



THE CATALOGUE

THE CATALOGUE FOR
MRO PROFESSIONALS
[MAINTENANCE,
REPAIR AND
OPERATIONS]

46



MACHINERY AND ACCESSORIES



CUTTING TOOLS



ABRASIVES



WORKSHOP EQUIPMENT



HARDWARE



GENERAL TOOLS



MEASURE



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1

CUSTOMER SERVICE

- Product prices and availability
- Orders management
- marketing information
- Dealers and representatives
- Quotes / offers
- General information

2

TECHNICAL DEPARTMENT

- Technical information
- After sales support
- Spare parts
- Warranty
- Repair estimate

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ENGLISH

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PRICES

VAT NOT INCLUDED







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









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**CAR AND MOTORCYCLE
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SOLDERING IRONS, PAINT STRIPPERS AND HEAT GLUE GUNS

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DYNAMOMETERS**

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FERVI ***THE SMART COMPANY***

Always at the forefront of innovation in anticipating the needs and wishes of our customers. This is Fervi: **leader in the MRO** (maintenance, repair and operations) sector and the perfect partner for all **professional and hobby requirements**, for the construction, maintenance and repair of absolutely any object.

Smart as a business philosophy, in customer and supplier relations, but above all in the supply of **high-performance products** through increasingly high-tech, dynamic and secure platforms.

We are a **solid, dependable and competitive company**, a reference point on the European scene for the research, design, production and distribution of **machine tools and tooling components** that conform to the highest requirements of quality and reliability, leading players in a market that is booming along with us.

The logo consists of a white square with a black circle inside, followed by the word "FERVI" in a bold, white, sans-serif font.

FERVI

FIT FOR YOU



VISION

To offer the most suitable, functional and safe products to workers in industry and the craft sector in order to concretely improve productivity and quality in their daily work.

MISSION

To **design and manufacture**, research and select, as well as distribute machine tools and tooling components that offer the **best value for money**, assuring quality standards of safety and service that are well above the average of our direct competitors.

Our passion for the **continuous upgrading** of products and services, our high regard for the work of our customers and our in-depth knowledge of the needs of our industry make us the **ideal partner** for all major projects or small-scale daily maintenance or repair work.

VALUES



*THE CUSTOMER AT THE
HEART OF EVERYTHING*



*CONTINUOUS
IMPROVEMENT*



*TRANSPARENCY
IN BEHAVIOUR*



*TEAM
SPIRIT*

FERVI GROUP

LOOKING AHEAD IS IN THE DNA OF THE INNOVATOR

The path embarked upon, and one that management is strongly committed to, is the growth of technical expertise and the digital transformation of services in order to offer its customers cutting-edge support that will back them up in their day-to-day business.

All this has been made possible by firmly uniting the professionalism and skills of all the companies that today make up the FERVI GROUP.

A synergy of key players in the MRO sector, ready to expand further, which today lays the foundations for a future that will be increasingly attuned to market developments and the protection of resources and people.



2012
3800 products



2014
4700 products



2016
5700 products



2018
6800 products

1991

Veprug evolved into the Fervi-branded business project.

2012

35,000 copies of the first Fervi catalogue were distributed.

2015

An expansion of Made in Italy, as Ri-flex Abrasives joined the Fervi family.

1978

Veprug Srl was founded and established itself as a wholesaler in the Modena area.

2011

The company ownership changed, and the company consolidated in its journey of expansion.

2013

Having achieved impact zero, Fervi's new offices became energy self-sufficient.

An increasingly comprehensive and reliable choice for you.

The development strategy adopted by the company has thus made it possible to achieve a connotation such as to be able to boast the title of the first Italian group in the MRO sector, allowing it to be alongside customers in every situation.



Founded in 1978, its range includes machine tools, hand tools and abrasives. More than 8,600 products are available for maintenance and repair professionals in the industrial, craft, automotive and advanced DIY sectors.



Since 1982, an Italian producer of high-quality abrasive flap discs using automatic machines designed and manufactured in-house. The automatic systems for the production of flap discs are sold worldwide.



Founded in 1949, it manufactures and sells high-end measuring instruments, marketed through local agents and a worldwide network of distributors.



It was in 1952 that Fervi's historic Spanish distributorship, based in Barcelona, was founded. Distribution is direct and via its own sales network.



Since 1973, Rivit has been the perfect partner for the production and distribution of fastening systems, bolting tools and machines for sheet metal working and assembly.



2020

8500+ products



2022

8600 products



2024

8600+ products

2019

100% of Vogel Germany & Co KG became part of the Fervi Group.

2022 **FERVI GROUP**

The FERVI GROUP was born: the identity of each company is a brick that goes towards building the bridge to the future of the MRO sector.

2018

Fervi celebrated its first 40 years in business by entering the stock market and acquiring 40% of Sitges Maquinas y Accesorios.

2021

Rivit, an Italian company specialising in the supply of fastening systems, joined the Fervi family.

2023

Fervi achieves ESG certification AA- rating.

EXTENSIVE COVERAGE. INTERNATIONAL CONFIDENCE.

Our distribution and customer support.

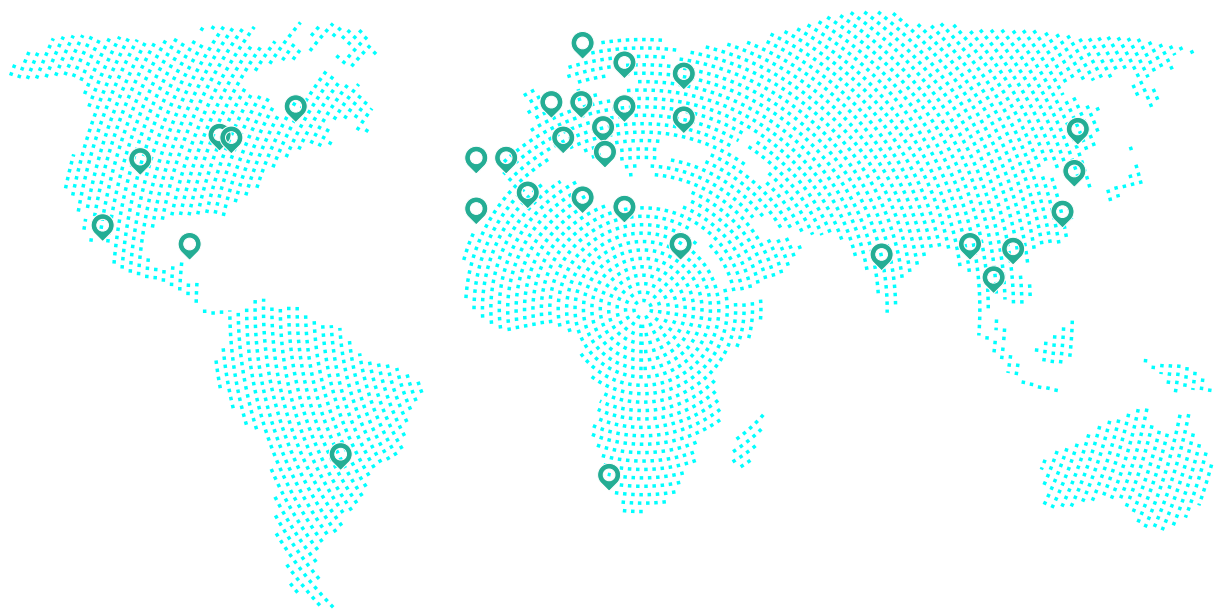
With over **4,500 points of sale in Italy, a presence in more than 50 countries around the world** and more than 8,000 customers, the Fervi Group has today assumed a clearly defined position: that of being ever closer to its customers, to guarantee them daily support for business development.

The Group is geared towards constant commercial expansion, always supported by excellent technical back-up to ensure that the complete range of products and services is available throughout the world.

Our highly skilled technicians offer support and an efficient in-house repair service as well as advice on equipment installation and maintenance.



FERVI GROUP



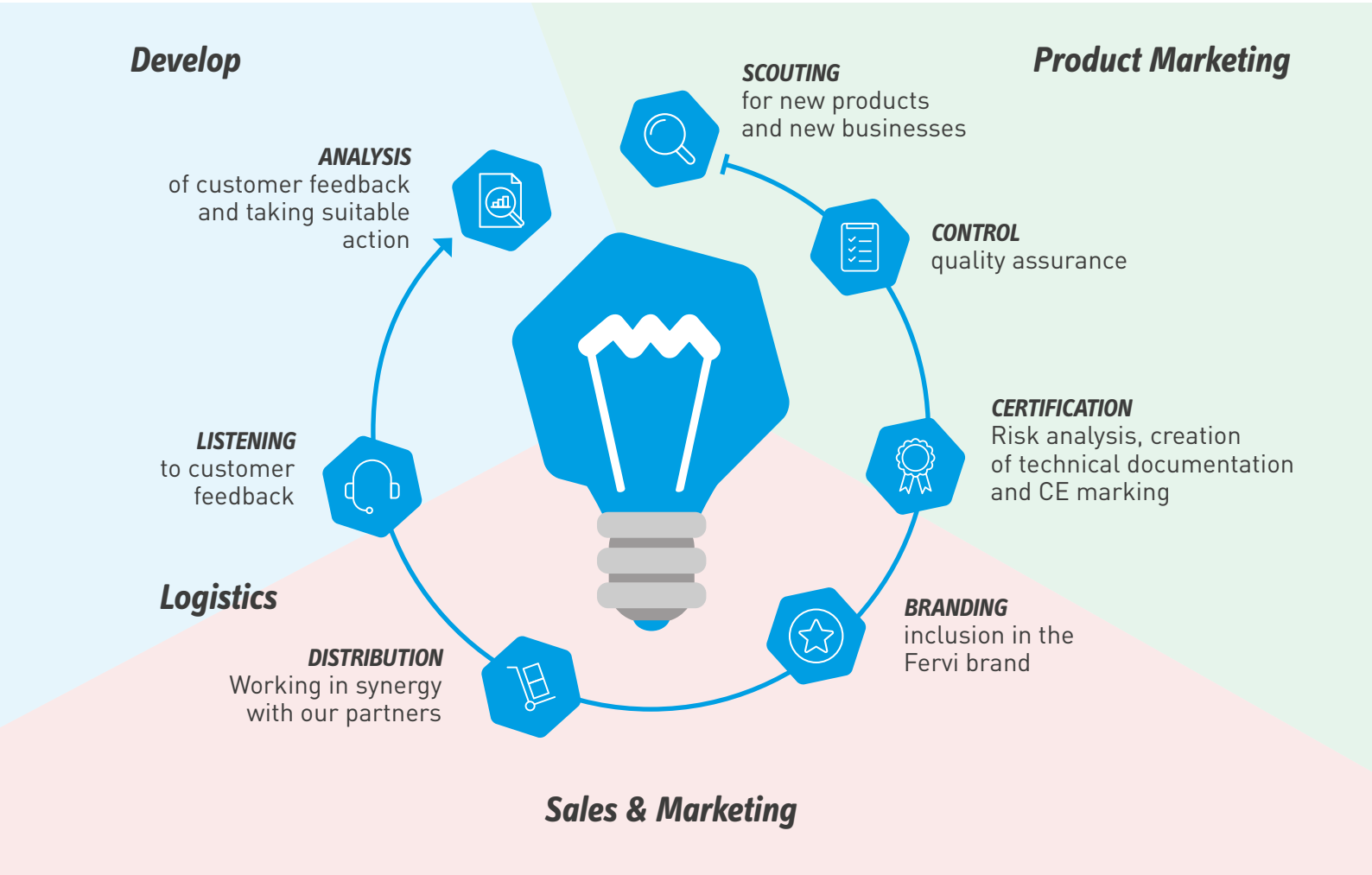
***A single address,
personalized solutions.***

The Group presents itself as One-Stop-Shop
able to keep the world working



Management, organization, method.

Quality the Fervi way.



Our figures

Spaces, people and horizons in the Fervi world.

1+1

SHOWROOM
PHYSICAL AND VIRTUAL

8600+

REFERENCES
IN THE CATALOG

3000+

SPARE PART
ITEMS

10000m²

OF WAREHOUSE
SPACE

200M

ITEMS ON THE
MARKET

3000+

ORDERS EVERY
MONTH

Our certifications

Our quality

Fervi's sense of social and commercial responsibility underpins every initiative and activity undertaken by the members of the Fervi Group and those involved in it.

Our coworkers

Our primary strength, safeguarded by processes and devices and certified to the very highest standards. A healthy and safe environment in which to work, distinguished by a robust and consolidated corporate welfare system.

Our customers

Each Fervi brand product epitomises everything we strive for every day. High quality, reliability and safety – always 100% guaranteed.

Our partners

Anyone who works with the Fervi Group can always count on its proven financial dependability. An extra gesture of trust to build up solid and productive relationships.

An environment for everyone

We have achieved energy self-sufficiency, thanks to the installation of state-of-the-art photovoltaic systems.

+ Eco-sustainability

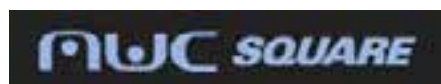


Our concern for environmental sustainability has prompted us to produce an eco-sustainable catalogue, using lighter and less treated PEFC paper, with a single goal in mind: to care for our planet by saving, in our own small way, as much CO2 as we possibly can.





FERVI FOR SPORT



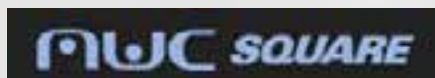


FERVI FOR THE UNIVERSITY





FERVI FOR SPORT



WELCOME TO THE TEAM

We're going to build something great. Together.

We support these organisations at every event – organisations in which we recognise our own values: a sense of belonging, respect for one's opponent, fairness and fierce competition.

WSBK



LBA



IHL



FERVI FOR THE UNIVERSITY

SKYWARD
Experimental Rocketry

 **DYNAMIS**
POLIMI REPARTO CORSE

DIGITAL FERVI

Quality for sharing

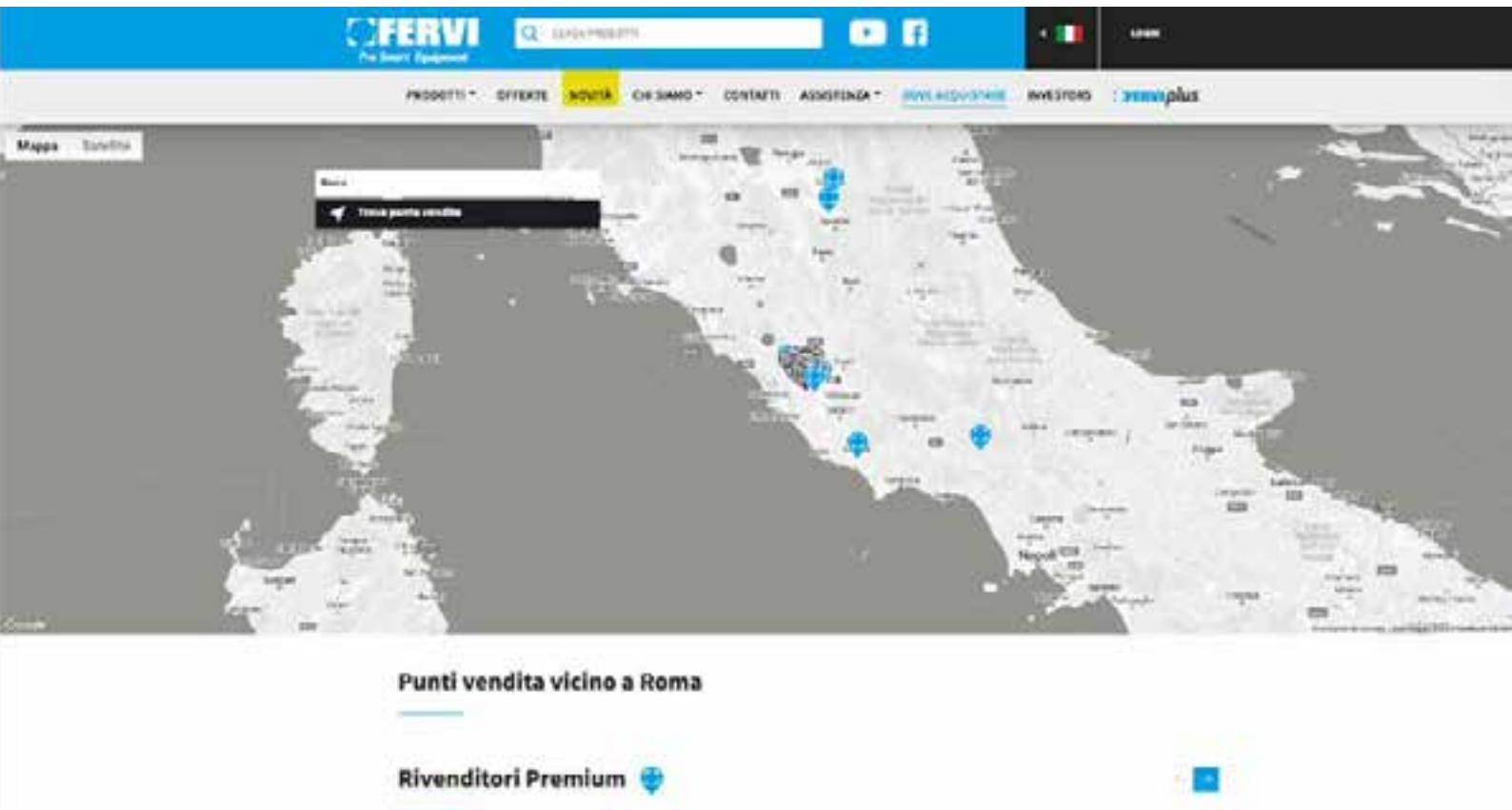
Fervi focuses more and more on digital and social platforms to showcase its products at their best and meet the needs of the community promptly, at any time of day.



The fervi.com website – speedy, dynamic, with new graphics and constantly updated with all the technical information you need to get to know more about each product.

Offers Section - Don't miss the opportunity to immediately discover the Promotions that FERVI reserves for its customers. Easy, fast and visible with any device.

Where to buy it – It's really easy to find a dealer where you can buy the products on the Fervi website. Just enter your location and there you go.





Virtual Show-Room – The perfect place to go on a virtual tour of the display shelves, and to see all the tools in the Fervi range.



Scan the QR Code with your smartphone or visit fervi.com and enter the Fervi Virtual Show Room.

Social – A page that is extremely active thanks to our community, but also Instagram and YouTube, to keep you constantly up-to-date and let you swap opinions on hobbies and the professional world.



FERVI SHOPFITTING

Display panels

Ideal for displaying manual tools



Sail banners

Perfect for displays featuring machine tools.
The sail banner identifies the FERVI display area.



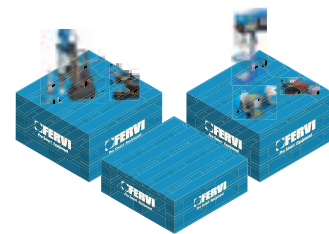
Gazebos

Ideal for indoor displays of machinery, workshop furniture and anything else that may require a covered, intimate space.



Pallet covers

In three different sizes (3, 4, 5 pallets) to create display islands (80x120) for small machines and bulky tools using existing pallets.



Countertop Displays

The perfect way to present best runners to your customers



Pallbox

To be placed in front of the counter or near the cash register to facilitate purchase



Create your own Showroom

An exclusive offer for authorised retailers.

Fervi sees to the shopfitting, you increase your turnover and yield per square metre. Over 800 customers have already decided to boost their business with FERVI Shopfitting solutions!

The blue kilometre

We are proud to say that to date more than 1,000 linear metres of display space have been installed for our customers, giving a clear picture of the broad range FERVI has to offer in terms of solutions.

The blue football pitch

As well as the linear kilometre, we mustn't forget the football pitch made up of FERVI gazebos installed at our retailers.

Now FERVI has increased its range of solutions, allowing you to customise your point of sale in line with your needs.









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LATHES

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MILLING MACHINES

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METAL WORKING MACHINERY

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










TABLES AND DIVIDERS

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


CHUCKS

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- p. 123  Spindles for drill bits and accessories
- p. 126  Collet holders
- p. 128  Combined milling spindles
- p. 129  Weldon milling spindles
- p. 130  Conical milling spindles
- p. 131  Tapping chucks
- p. 132  Boring head
- p. 133  Chuck holders and tool racks



LIVE CENTERS AND TOOL POSTS

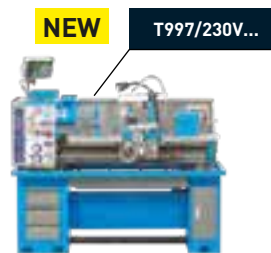
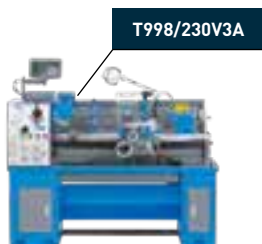
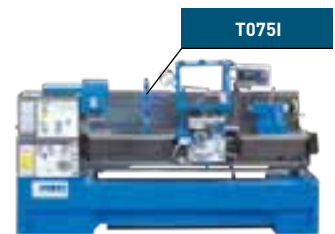
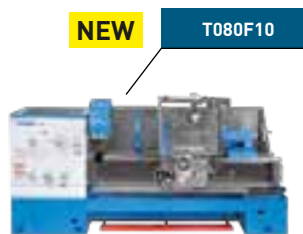
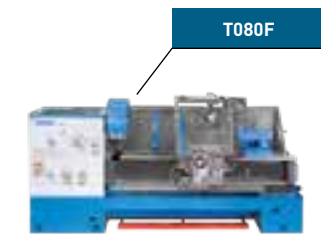
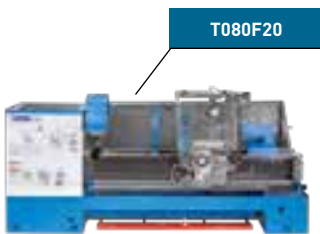
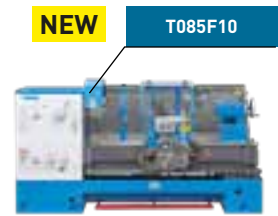
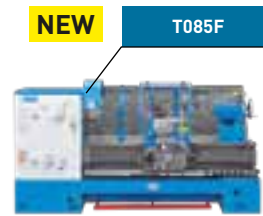
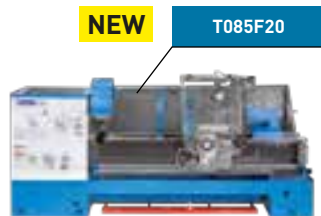
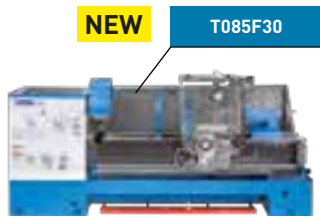
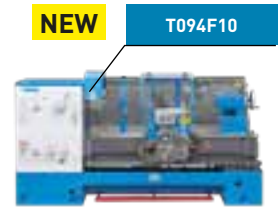
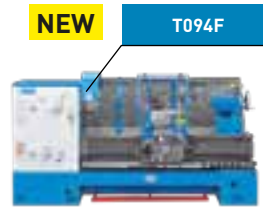
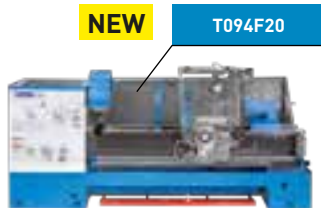
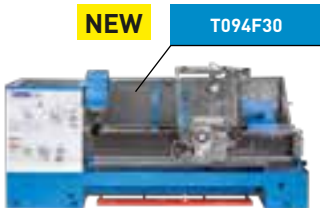
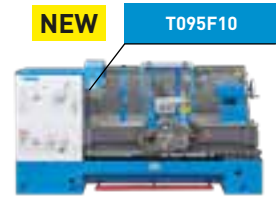
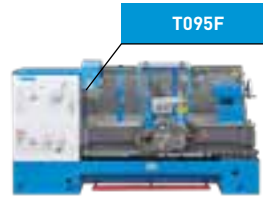
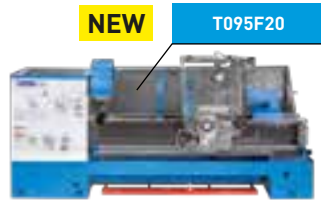
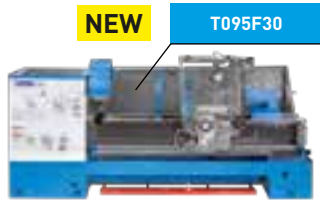
- p. 135  Live centers
- p. 136  Tool posts



MACHINERY ACCESSORIES

- p. 139  Pumps and accessories
- p. 140  Machine tool safety guards
- p. 141  Lamps

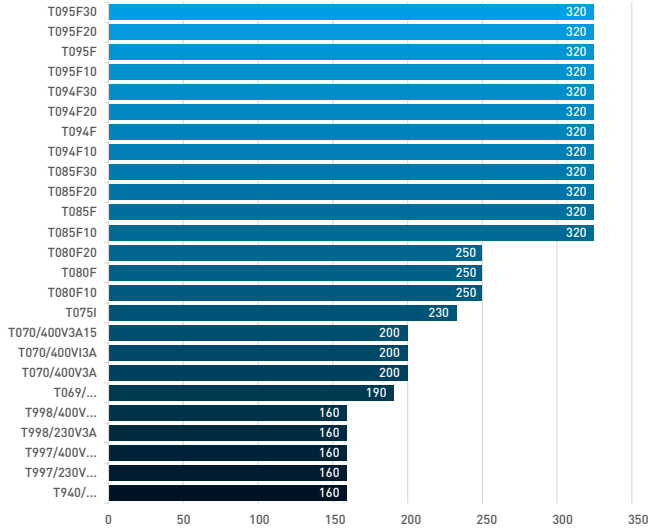
PROFESSIONAL LATHE



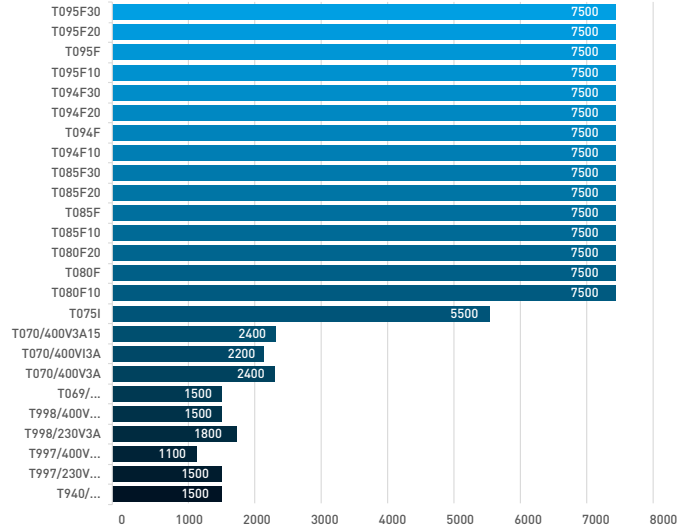


PROFESSIONAL LATHE

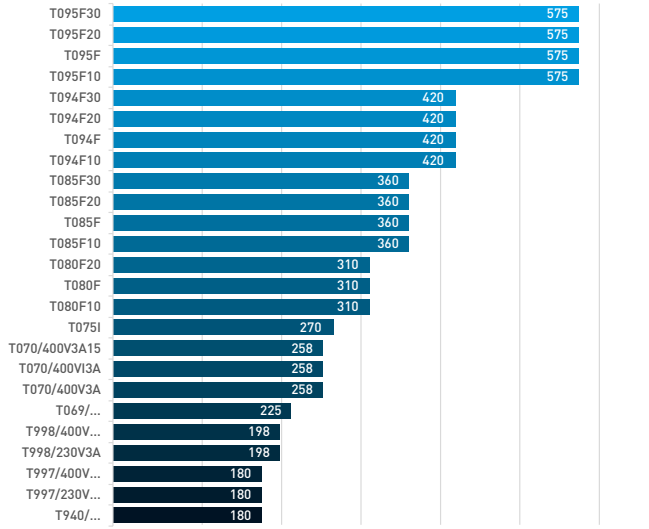
Spindle diameter (mm)



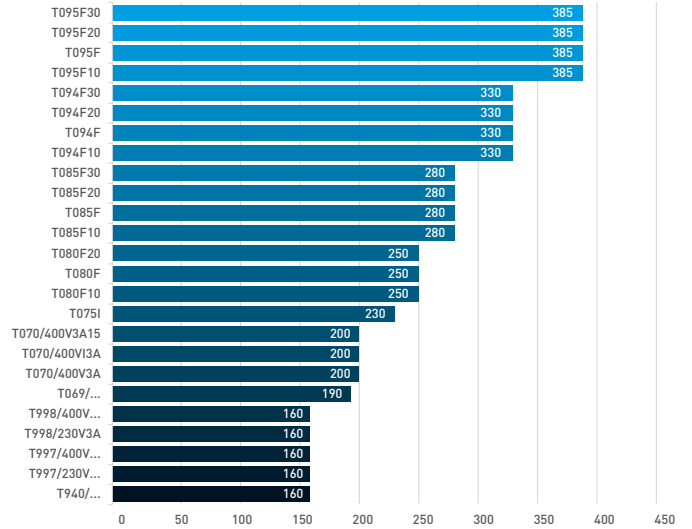
Power (W)



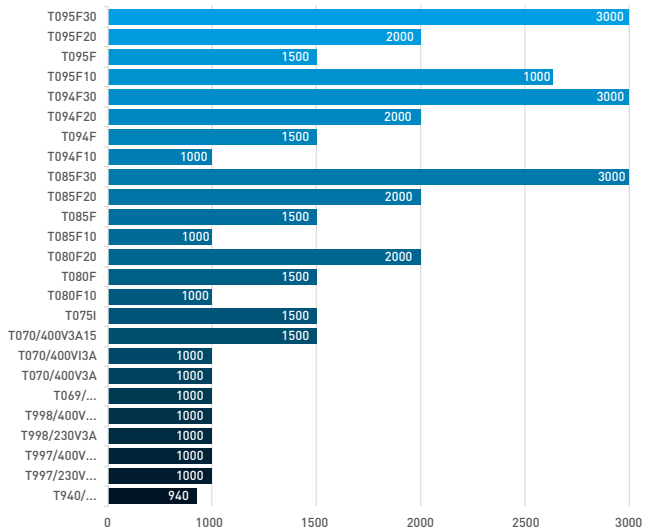
Max swing over the cross slide (mm)



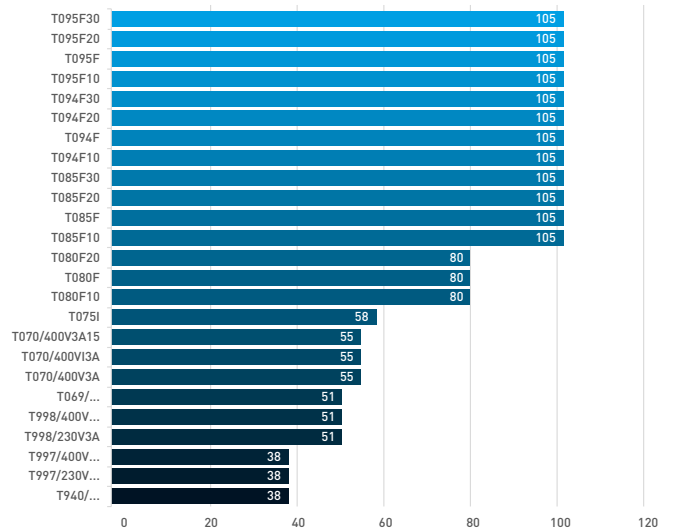
Centers height (mm)



Distance between centers (mm)



Spindle bore (mm)



T095Fx
NEW
GEAR HEAD LATHE WITH READOUT

With mechanical spindle clutch and 3 axis readout, semi norton gear box. Equipped with a joystick for the insertion of rapid advances. With cast iron monobloc base. Also available in 60 Hz version.



- | | |
|--|--|
| 1 <u>Self centering chuck 3+3</u> Ø 320 mm | 6 <u>Leadscrew hood</u> |
| 2 <u>Follow rest</u> | 7 <u>Tool post safeguard</u> |
| 3 <u>Steady rest</u> | 8 <u>Chuck safeguard</u> |
| 4 <u>Foot brake</u> | 9 <u>Full length splash guard</u> |
| 5 <u>3 Axis readout</u> | 10 <u>Quick change tool post</u> |
| | 11 <u>Working lamp</u> |
| | 12 <u>Cooling system</u> |

INCLUDED ACCESSORIES

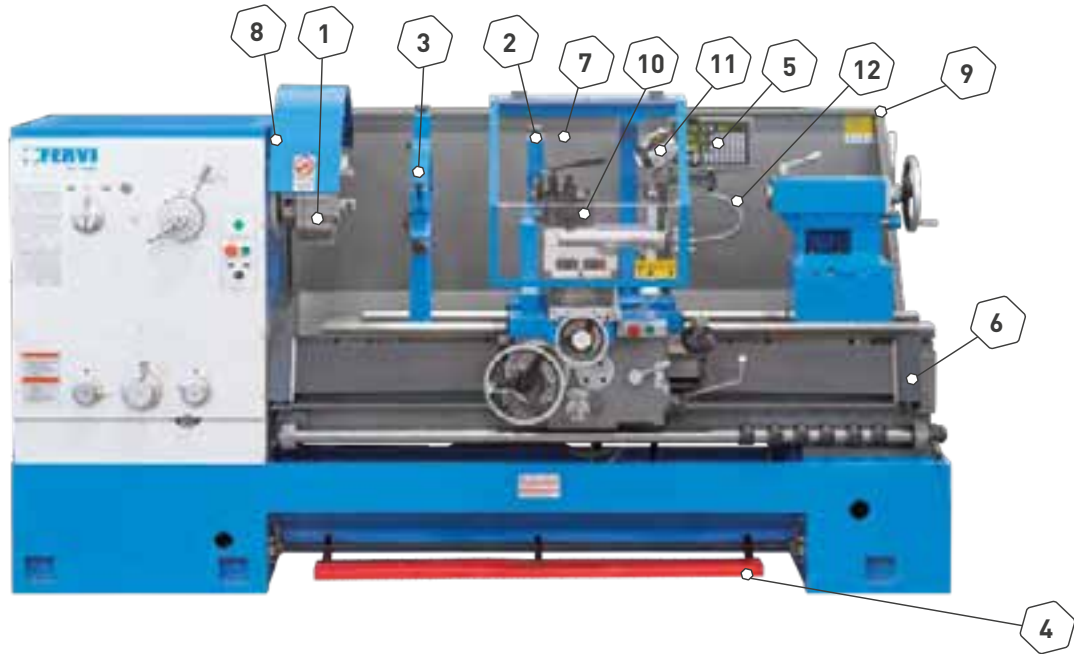
- 3 reversible jaw self centering chuck Ø 320 mm
- 4 independent jaw chuck Ø 400 mm
- Face plate Ø 600 mm
- Follow rest
- Steady rest
- Live center MT 5
- Thread dial
- Leadscrew hood
- Tool post guard
- Chuck safeguard
- Full length splash guard
- Italy style quick change tool post type C
- Working LED lamp
- Cooling system
- Electromechanical foot brake
- Tailstock carriage a quick locking
- Wagon gears in oil bath
- Adjustable leveling feet

| Art. | T095F10 NEW | T095F | T095F20 NEW | T095F30 NEW |
|--------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Centers height | 385 mm | 385 mm | 385 mm | 385 mm |
| Max swing over the bed | 770 mm | 770 mm | 770 mm | 770 mm |
| Max swing over the cross slide | 575 mm | 575 mm | 575 mm | 575 mm |
| Max swing over the gap | 1050 mm | 1050 mm | 1050 mm | 1050 mm |
| Tool height | 32 mm | 32 mm | 32 mm | 32 mm |
| Distance between centers | 1000 mm | 1500 mm | 2000 mm | 3000 mm |
| Spindle bore | 105 mm | 105 mm | 105 mm | 105 mm |
| Spindle nose Camlock | Camlock D1-8 | Camlock D1-8 | Camlock D1-8 | Camlock D1-8 |
| Spindle speed | (12) 36 ÷ 1600 rpm | (12) 36 ÷ 1600 rpm | (12) 36 ÷ 1600 rpm | (12) 36 ÷ 1600 rpm |
| Longitudinal feeds | 0,063 ÷ 2,52 mm/rev | 0,063 ÷ 2,52 mm/rev | 0,063 ÷ 2,52 mm/rev | 0,063 ÷ 2,52 mm/rev |
| Cross feeds | 0,027 ÷ 1,07 mm/rev | 0,027 ÷ 1,07 mm/rev | 0,027 ÷ 1,07 mm/rev | 0,027 ÷ 1,07 mm/rev |
| Metric threads | (22) 1 ÷ 14 mm | (22) 1 ÷ 14 mm | (22) 1 ÷ 14 mm | (22) 1 ÷ 14 mm |
| Inch threads | (26) 2 ÷ 28 TPI | (26) 2 ÷ 28 TPI | (26) 2 ÷ 28 TPI | (26) 2 ÷ 28 TPI |
| Tailstock taper MT | 5 | 5 | 5 | 5 |
| Motor | 400V 50/60 Hz 7,5 kW | 400V 50 Hz 7,5 kW | 400V 50/60 Hz 7,5 kW | 400V 50/60 Hz 7,5 kW |
| Cooling pump | 400V 50/60 Hz 90 W | 400V 50 Hz 90 W | 400V 50/60 Hz 90 W | 400V 50/60 Hz 90 W |
| Dimensions | 2500 x 1550 x 1700 mm | 3000 x 1550 x 1700 mm | 3500 x 1550 x 1700 mm | 4500 x 1550 x 1700 mm |
| Net weight | 3250 Kg | 3560 kg | 3950 Kg | 4050 Kg |



T094Fx
NEW
GEAR HEAD LATHE WITH READOUT

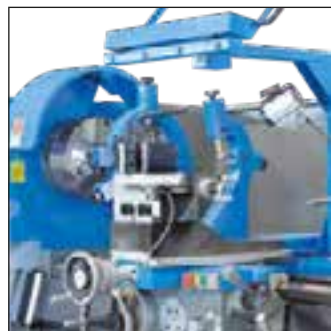
With mechanical spindle clutch and 3 axis readout, semi norton gear box. Equipped with a joystick for the insertion of rapid advances. With cast iron monobloc base. Also available in 60 Hz version.


1 Self centering chuck 3+3
 \varnothing 320 mm

2 Follow rest
3 Steady rest
4 Foot brake
5 3 Axis readout
6 Leadscrew hood
7 Tool post safeguard
8 Chuck safeguard
9 Full length splash guard
10 Quick change tool post
11 Working lamp
12 Cooling system
INCLUDED ACCESSORIES

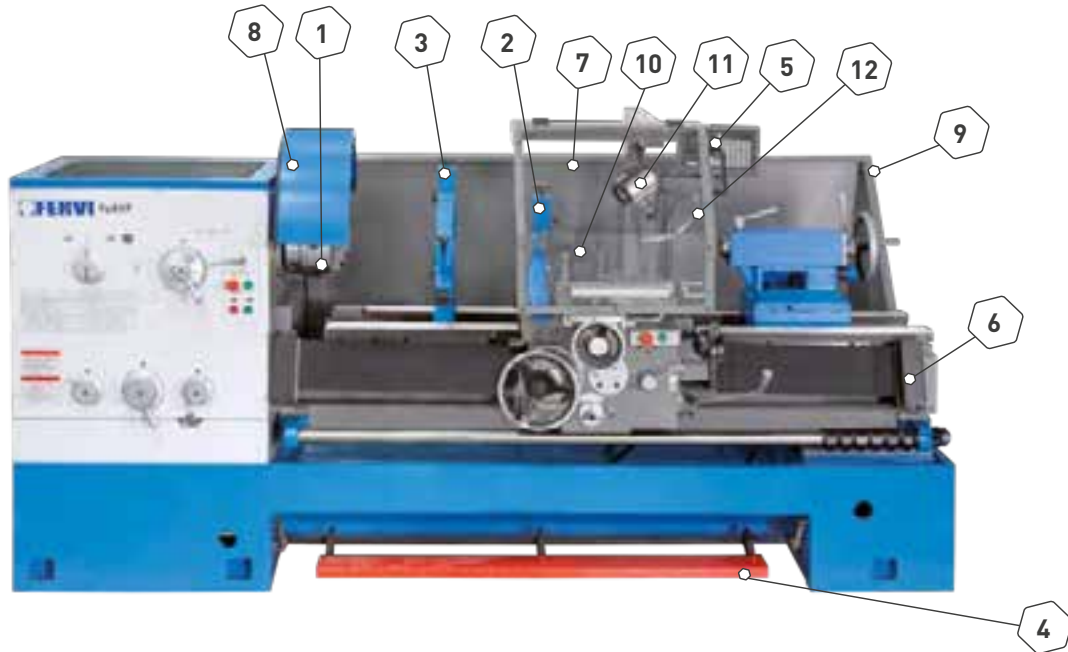
- 3 reversible jaw self centering chuck \varnothing 320 mm
- 4 independent jaw chuck \varnothing 400 mm
- Face plate \varnothing 600 mm
- Follow rest
- Follow rest
- Live center MT 5
- Thread dial
- Leadscrew hood
- Tool post guard
- Chuck safeguard
- Full length splash guard
- Italy style quick change tool post type C
- Working LED lamp
- Cooling system
- Electromechanical foot brake
- Tailstock carriage a quick locking
- Wagon gears in oil bath
- Adjustable leveling feet

| Art. | T094F10 | NEW | T094F | NEW | T094F20 | NEW | T094F30 | NEW |
|--------------------------------|-----------------------|-----|-----------------------|-----|-----------------------|-----|-----------------------|-----|
| Centers height | 330 mm | | 330 mm | | 330 mm | | 330 mm | |
| Max swing over the bed | 660 mm | | 660 mm | | 660 mm | | 660 mm | |
| Max swing over the cross slide | 420 mm | | 420 mm | | 420 mm | | 420 mm | |
| Max swing over the gap | 870 mm | | 870 mm | | 870 mm | | 870 mm | |
| Tool height | 32 mm | | 32 mm | | 32 mm | | 32 mm | |
| Distance between centers | 1000 mm | | 1500 mm | | 2000 mm | | 3000 mm | |
| Spindle bore | 105 mm | | 105 mm | | 105 mm | | 105 mm | |
| Spindle nose Camlock | Camlock D1-8 | | Camlock D1-8 | | Camlock D1-8 | | Camlock D1-8 | |
| Spindle speed | (12) 36 ÷ 1600 rpm | | (12) 36 ÷ 1600 rpm | | (12) 36 ÷ 1600 rpm | | (12) 36 ÷ 1600 rpm | |
| Longitudinal feeds | 0,063 ÷ 2,52 mm/giro | | 0,063 ÷ 2,52 mm/rev | | 0,063 ÷ 2,52 mm/giro | | 0,063 ÷ 2,52 mm/giro | |
| Cross feeds | 0,027 ÷ 1,07 mm/rev | | 0,027 ÷ 1,07 mm/rev | | 0,027 ÷ 1,07 mm/rev | | 0,027 ÷ 1,07 mm/rev | |
| Metric threads | (22) 1 ÷ 14 mm | | (22) 1 ÷ 14 mm | | (22) 1 ÷ 14 mm | | (22) 1 ÷ 14 mm | |
| Inch threads | (26) 2 ÷ 28 TPI | | (26) 2 ÷ 28 TPI | | (26) 2 ÷ 28 TPI | | (26) 2 ÷ 28 TPI | |
| Tailstock taper MT | 5 | | 5 | | 5 | | 5 | |
| Motor | 400V 50 Hz 7,5 kW | | 400V 50 Hz 7,5 kW | | 400V 50 Hz 7,5 kW | | 400V 50 Hz 7,5 kW | |
| Cooling pump | 400V 50 Hz 90 W | | 400V 50 Hz 90 W | | 400V 50 Hz 90 W | | 400V 50 Hz 90 W | |
| Dimensions | 2500 x 1400 x 1600 mm | | 3000 x 1400 x 1600 mm | | 3500 x 1400 x 1600 mm | | 4500 x 1400 x 1600 mm | |
| Net weight | 3040 Kg | | 3330 Kg | | 3700 Kg | | 3820 Kg | |



T085Fx
NEW
GEAR HEAD LATHE WITH READOUT

With mechanical spindle clutch and 3 axis readout, semi norton gear box. Equipped with a joystick for the insertion of rapid advances. With cast iron monobloc base. Also available in 60 Hz version.



- 1** Self centering chuck 3+3
Ø 320 mm
- 2** Follow rest
- 3** Steady rest
- 4** Foot brake
- 5** 3 Axis readout

- 6** Leadscrew hood
- 7** Tool post safeguard
- 8** Chuck safeguard
- 9** Full length splash guard
- 10** Quick change tool post
- 11** Working lamp
- 12** Cooling system

INCLUDED ACCESSORIES

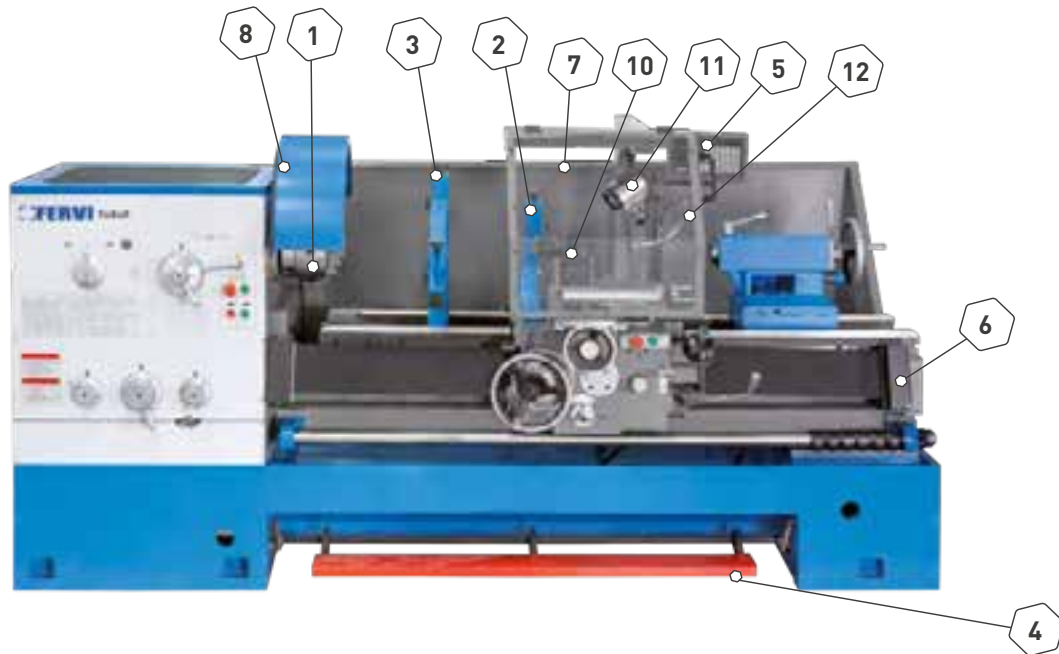
- 3 reversible jaw self centering chuck Ø 320 mm
- 4 independent jaw chuck Ø 400 mm
- Face plate Ø 600 mm
- Follow rest
- Steady rest
- Live center MT 5
- Thread dial
- Leadscrew hood
- Tool post guard
- Chuck safeguard
- Full length splash guard
- Italy style quick change tool post type C
- Working LED lamp
- Cooling system
- Electromechanical foot brake
- Tailstock carriage a quick locking
- Wagon gears in oil bath
- Adjustable leveling feet

| Art. | T085F10 | NEW | T085F | NEW | T085F20 | NEW | T085F30 | NEW |
|--------------------------------|-----------------------|-----|-----------------------|-----|-----------------------|-----|-----------------------|-----|
| Centers height | 280 mm | | 280 mm | | 280 mm | | 280 mm | |
| Max swing over the bed | 560 mm | | 560 mm | | 560 mm | | 560 mm | |
| Max swing over the cross slide | 360 mm | | 360 mm | | 360 mm | | 360 mm | |
| Max swing over the gap | 770 mm | | 770 mm | | 770 mm | | 770 mm | |
| Tool height | 32 mm | | 32 mm | | 32 mm | | 32 mm | |
| Distance between centers | 1000 mm | | 1500 mm | | 2000 mm | | 3000 mm | |
| Spindle bore | 105 mm | | 105 mm | | 105 mm | | 105 mm | |
| Spindle nose Camlock | Camlock D1-8 | | Camlock D1-8 | | Camlock D1-8 | | Camlock D1-8 | |
| Spindle speed | (12) 36 ÷ 1600 rpm | | (12) 36 ÷ 1600 rpm | | (12) 36 ÷ 1600 rpm | | (12) 36 ÷ 1600 rpm | |
| Longitudinal feeds | 0,063 ÷ 2,52 mm/rev | | 0,063 ÷ 2,52 mm/rev | | 0,063 ÷ 2,52 mm/rev | | 0,063 ÷ 2,52 mm/rev | |
| Cross feeds | 0,027 ÷ 1,07 mm/rev | | 0,027 ÷ 1,07 mm/rev | | 0,027 ÷ 1,07 mm/rev | | 0,027 ÷ 1,07 mm/rev | |
| Metric threads | (22) 1 ÷ 14 mm | | (22) 1 ÷ 14 mm | | (22) 1 ÷ 14 mm | | (22) 1 ÷ 14 mm | |
| Inch threads | (26) 2 ÷ 28 TPI | | (26) 2 ÷ 28 TPI | | (26) 2 ÷ 28 TPI | | (26) 2 ÷ 28 TPI | |
| Tailstock taper MT | 5 | | 5 | | 5 | | 5 | |
| Motor | 400V 50/60 Hz 7,5 kW | | 400V 50/60 Hz 7,5 kW | | 400V 50/60 Hz 7,5 kW | | 400V 50/60 Hz 7,5 kW | |
| Cooling pump | 400V 50/60 Hz 90 W | | 400V 50/60 Hz 90 W | | 400V 50/60 Hz 90 W | | 400V 50/60 Hz 90 W | |
| Dimensions | 2500 x 1400 x 1500 mm | | 3000 x 1400 x 1500 mm | | 3500 x 1400 x 1500 mm | | 4500 x 1400 x 1500 mm | |
| Net weight | 2920 Kg | | 3210 Kg | | 3580 Kg | | 3700 Kg | |



T080Fx
NEW
GEAR HEAD LATHE WITH READOUT

With mechanical spindle clutch and 3 axis readout, semi norton gear box. Equipped with a joystick for the insertion of rapid advances. With cast iron monobloc base. Also available in 60 Hz version.



- 1 **Self centering chuck 3+3**
Ø 250 mm
- 2 **Follow rest**
- 3 **Steady rest**
- 4 **Foot brake**
- 5 **3 Axis readout**

- 6 **Leadscrew hood**
- 7 **Tool post safeguard**
- 8 **Chuck safeguard**
- 9 **Full length splash guard**
- 10 **Quick change tool post**
- 11 **Working lamp**
- 12 **Cooling system**

INCLUDED ACCESSORIES

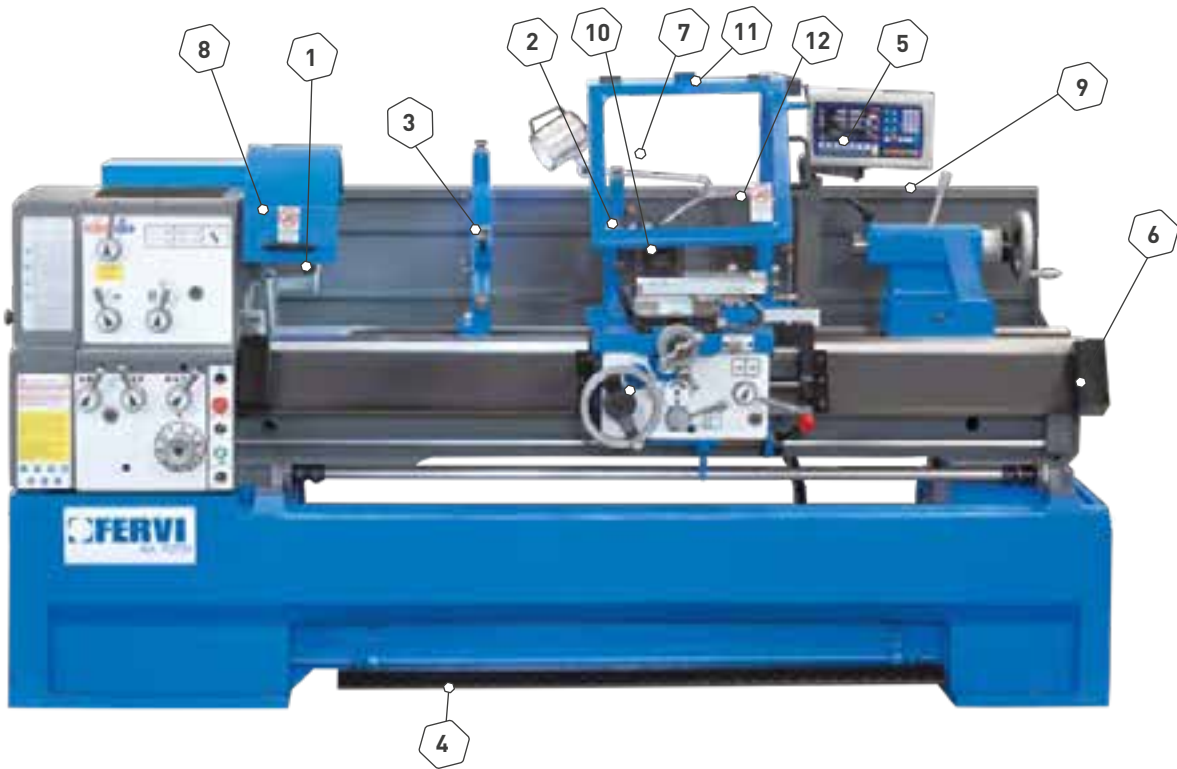
- 3 reversible jaw self centering chuck Ø 250 mm
- 4 independent jaw chuck Ø 320 mm
- Reduction sleeve MT 7/5
- Face plate Ø 400 mm
- Follow rest
- Steady rest
- 2 x Dead center MT 5
- Live center MT 5
- Thread dial
- Leadscrew hood
- Turret guard
- Chuck safeguard
- Full length splash guard
- Italy style quick change tool post type C
- Working LED lamp
- Cooling system
- Electromechanical foot brake
- Tailstock carriage a quick locking
- Wagon gears in oil bath
- Adjustable leveling feet

| Art. | T080F10 NEW | T080F | T080F20 |
|--------------------------------|-----------------------|-----------------------|-----------------------|
| Centers height | 250 mm | 250 mm | 250 mm |
| Max swing over the bed | 500 mm | 500 mm | 500 mm |
| Max swing over the cross slide | 310 mm | 310 mm | 310 mm |
| Max swing over the gap | 720 mm | 720 mm | 720 mm |
| Tool height | 32 mm | 32 mm | 32 mm |
| Distance between centers | 1000 mm | 1500 mm | 2000 mm |
| Spindle bore | 80 mm | 80 mm | 80 mm |
| Spindle nose Camlock | Camlock D1-8 | Camlock D1-8 | Camlock D1-8 |
| Spindle speed | (12) 36 ÷ 1600 rpm | (12) 36 ÷ 1600 rpm | (12) 36 ÷ 1600 rpm |
| Longitudinal feeds | 0,063 ÷ 2,52 mm/giro | 0,063 ÷ 2,52 mm/giro | 0,063 ÷ 2,52 mm/giro |
| Cross feeds | 0,063 ÷ 2,52 mm/rev | 0,027 ÷ 1,07 mm/rev | 0,027 ÷ 1,07 mm/rev |
| Metric threads | (22) 1 ÷ 14 mm | (22) 1 ÷ 14 mm | (22) 1 ÷ 14 mm |
| Inch threads | (26) 2 ÷ 28 TPI | (26) 2 ÷ 28 TPI | (26) 2 ÷ 28 TPI |
| Tailstock taper MT | 5 | 5 | 5 |
| Motor | 400V 50/60 Hz 7,5 kW | 400V 50/60 Hz 7,5 kW | 400V 50/60 Hz 7,5 kW |
| Cooling pump | 400V 50/60 Hz 90 W | 400V 50/60 Hz 90 W | 400V 50/60 Hz 90 W |
| Dimensions | 2500 x 1400 x 1500 mm | 3000 x 1400 x 1500 mm | 3500 x 1400 x 1500 mm |
| Net weight | 2840 Kg | 3080 kg | 3320 kg |



T075I
GEAR HEAD LATHE WITH INVERTER

3-axis display with speed variation control, semi norton gearbox. With cast iron monobloc base. The computer-viewer varies the rotation speed according to the turned diameter.



- 1** Self centering chuck 3+3 Ø 250 mm
- 2** Follow rest
- 3** Steady rest
- 4** Foot brake
- 5** 3 Axis readout
- 6** Leadscrew hood

- 7** Tool post safeguard
- 8** Chuck safeguard
- 9** Full length splash guard
- 10** Quick change tool post
- 11** Working lamp
- 12** Cooling system

| | |
|--------------------------------|-------------------------------|
| Centers height | 230 mm |
| Max swing over the bed | 460 mm |
| Max swing over the cross slide | 270 mm |
| Max swing over the gap | 690 mm |
| Tool height | 25 mm |
| Distance between centers | 1500 mm |
| Spindle bore | 58 mm |
| Spindle nose Camlock | Camlock D1-6 |
| Spindle bore taper MT | 6 |
| Variable spindle speed | (2) 30 ÷ 600 600 ÷ 2000 rpm |
| Longitudinal feeds | 0,014 ÷ 0,784 mm/rev |
| Cross feeds | 0,031 ÷ 1,7 mm/rev |
| Metric threads | 0,1 ÷ 14 mm |
| Inch threads | 2 ÷ 112 TPI |
| Tailstock taper MT | 4 |
| Motor | 400V 50/60 Hz 5,5 kW |
| Cooling pump | 400V 50 Hz 90 W |
| Net weight | 1970 kg |

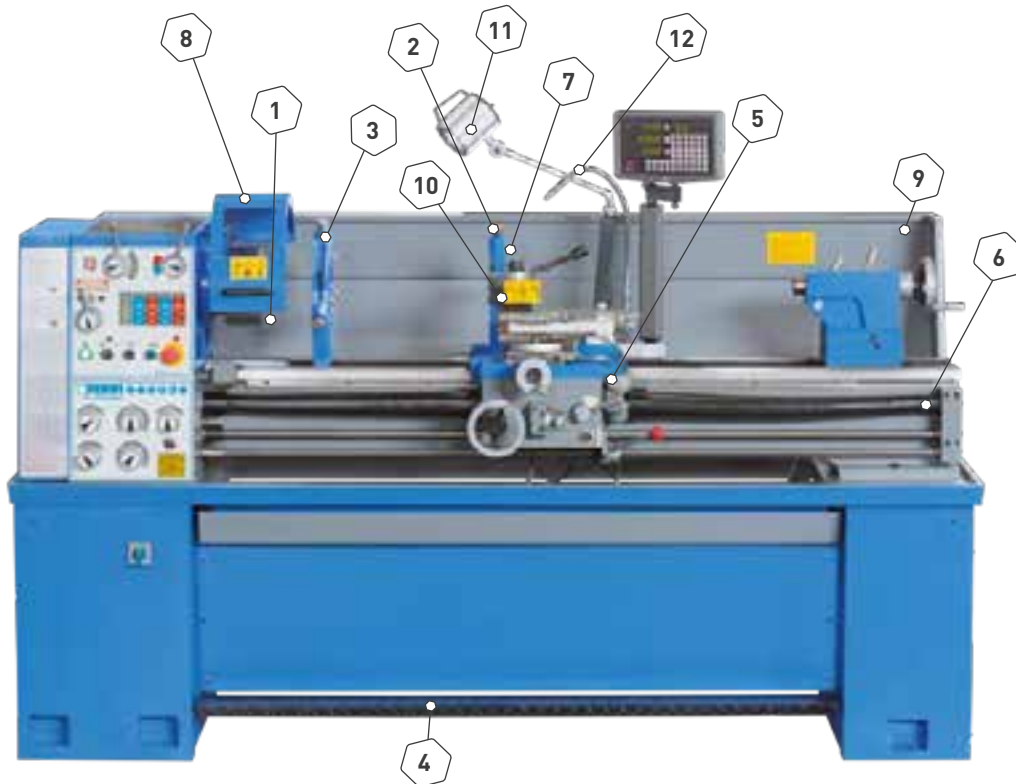
INCLUDED ACCESSORIES

- 3+3 jaw self centering chuck Ø 250 mm
- 4 independent jaw chuck Ø 250 mm
- Reduction sleeve MT 6/4
- Face plate Ø 350 mm
- Follow rest
- Steady rest
- 2 x Dead center MT 4
- Live center MT 4
- Thread dial
- Leadscrew hood
- Chuck safeguard
- Full length splash guard
- Quick change tool post type B
- Working lamp
- Cooling system
- Electro-mechanic foot brake
- Turret guard
- Quick locking tailstock carriage
- Wagon gears in oil bath



T070/400V3A15
GEAR HEAD LATHE WITH READOUT

With 2 speed motor and 3 axis readout, semi norton gear box. Turning bar with adjustable clutch.



- 1 Self centering chuck 3+3 Ø 200 mm
- 2 Follow rest
- 3 Steady rest
- 4 Foot brake
- 5 Thread dial
- 6 Leadscrew hood

- 7 Tool post safeguard
- 8 Chuck safeguard
- 9 Full length splash guard
- 10 TOAB quick change tool post
- 11 Working lamp
- 12 Cooling system

| | |
|--------------------------------|-------------------------|
| Centers height | 200 mm |
| Max swing over the bed | 400 mm |
| Max swing over the cross slide | 258 mm |
| Tool height | 20 mm |
| Distance between centers | 1500 mm |
| Spindle bore | 55 mm |
| Spindle bore | 50 mm |
| Spindle nose Camlock | Camlock D1-5 |
| Spindle bore taper MT | 6 |
| Spindle speed | [12] 45 ÷ 2000 rpm |
| Longitudinal feeds | 0,06 ÷ 2,78 mm/rev |
| Cross feeds | 0,01 ÷ 0,72 mm/rev |
| Metric threads | 0,8 ÷ 14 mm |
| Inch threads | 2 ÷ 28 TPI |
| Tailstock taper MT | 4 |
| Motor | 400V 50 Hz 1,5 / 2,4 kW |
| Dimensions | 2360 x 760 x 1600 h mm |
| Net weight | 850 kg |

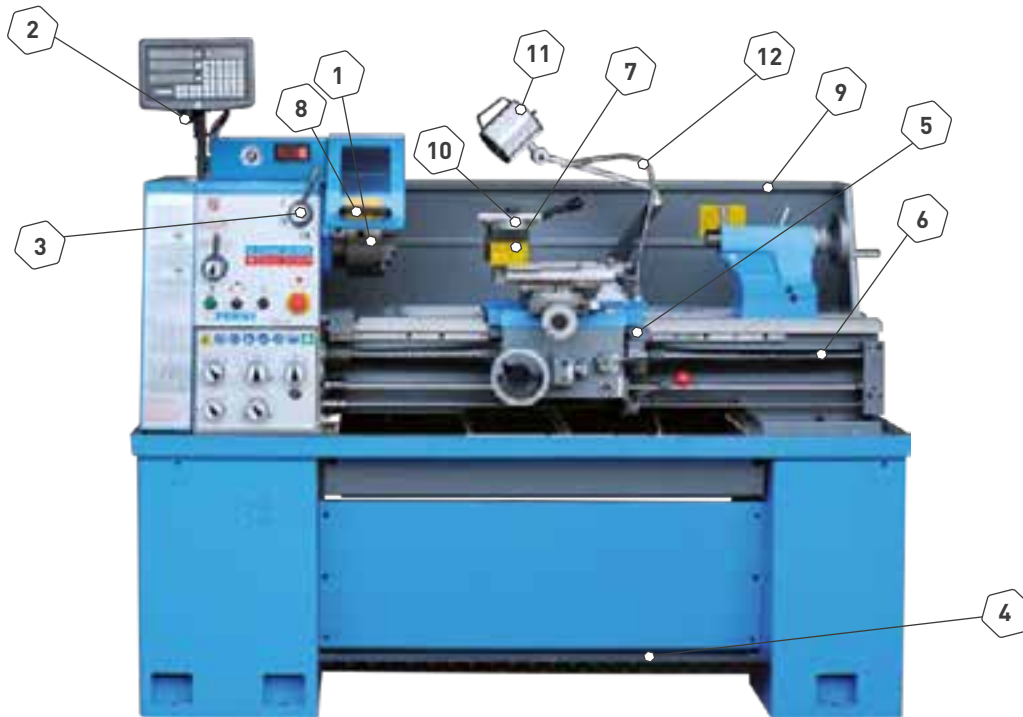
INCLUDED ACCESSORIES

- 3+3 jaw self centering chuck Ø 200 mm
- 4 independent jaw chuck Ø 200 mm
- Reduction sleeve MT 6/4
- Face plate Ø 320 mm
- Follow rest
- Steady rest
- 2 x Dead center MT 4
- Live center MT 4
- Thread dial
- Leadscrew hood
- Chuck safeguard
- Full length splash guard
- TOAB quick change tool post
- Working lamp
- Cooling system
- Foot brake
- Turret guard
- Clutch on turning bar
- Quick locking tailstock carriage
- Wagon gears in oil bath



T070/400VI3A
GEAR HEAD LATHE WITH INVERTER AND READOUT

3 axis readout and semi norton gear box. Turning bar with adjustable clutch and rotation speed display.



- 1 Self centering chuck 3+3 Ø 200 mm
- 2 3 Axis readout
- 3 Speed selector
- 4 Foot brake
- 5 Thread dial
- 6 Leadscrew hood

- 7 Tool post safeguard
- 8 Chuck safeguard
- 9 Full length splash guard
- 10 TOAB quick change tool post
- 11 Working lamp
- 12 Cooling system

| | |
|--------------------------------|-------------------------------|
| Centers height | 200 mm |
| Max swing over the bed | 400 mm |
| Max swing over the cross slide | 258 mm |
| Max swing over the gap | 550 mm |
| Tool height | 20 mm |
| Distance between centers | 1000 mm |
| Spindle bore | 55 mm |
| Spindle bore | 50 mm |
| Spindle nose Camlock | Camlock D1-5 |
| Spindle bore taper MT | 6 |
| Variable spindle speed | (2) 50 ÷ 1000 50 ÷ 2000 rpm |
| Longitudinal feeds | 0,06 ÷ 2,78 mm/rev |
| Cross feeds | 0,01 ÷ 0,72 mm/rev |
| Metric threads | 0,8 ÷ 14 mm |
| Inch threads | 2 ÷ 28 TPI |
| Tailstock taper MT | 4 |
| Motor | 400V 50 Hz 2,2 kW |
| Dimensions | 1860 x 900 x 1650 h mm |
| Net weight | 780 kg |

INCLUDED ACCESSORIES

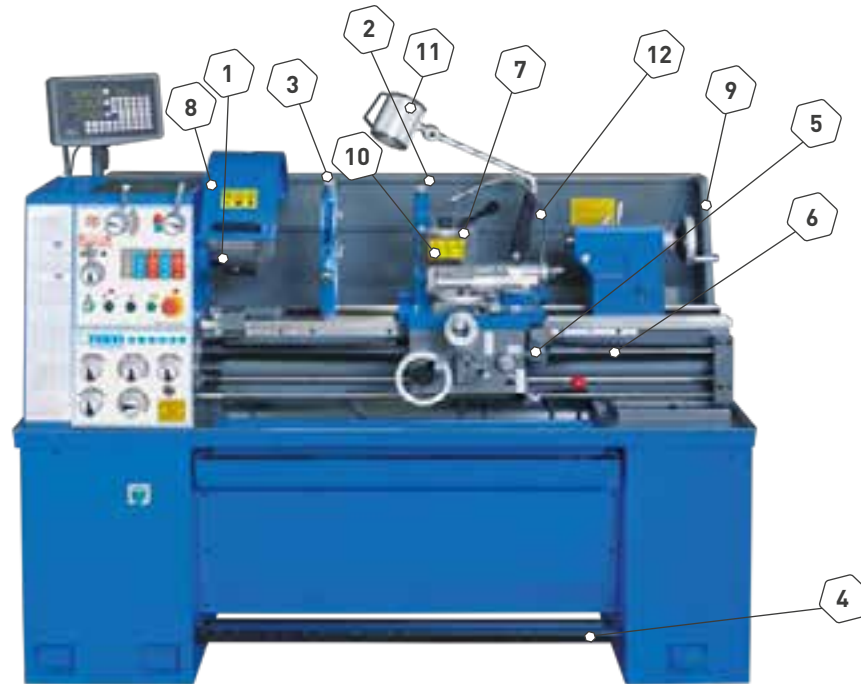
- 3+3 jaw self centering chuck Ø 200 mm
- 4 independent jaw chuck Ø 200 mm
- Reduction sleeve MT 6/4
- Face plate Ø 320 mm
- Follow rest
- Steady rest
- 2 x Dead center MT 4
- Live center MT 4
- Thread dial
- Leadscrew hood
- Turret guard
- Chuck safeguard
- TOAB quick change tool post
- Working lamp
- Cooling system
- Foot brake
- Full length splash guard
- Clutch on turning bar
- Wagon gears in oil bath
- Quick locking tailstock carriage



T070/400V3A

GEAR HEAD LATHE WITH READOUT

With 2 speed motor and 3 axis readout, semi norton gear box. Turning bar with adjustable clutch.



- 1 Self centering chuck 3+3 Ø 200 mm
- 2 Follow rest
- 3 Steady rest
- 4 Foot brake
- 5 Thread dial
- 6 Leadscrew hood

- 7 Tool post safeguard
- 8 Chuck safeguard
- 9 Full length splash guard
- 10 TOAB quick change tool post
- 11 Working lamp
- 12 Cooling system

| | |
|--------------------------------|-------------------------|
| Centers height | 200 mm |
| Max swing over the bed | 400 mm |
| Max swing over the cross slide | 258 mm |
| Max swing over the gap | 550 mm |
| Tool height | 20 mm |
| Distance between centers | 1000 mm |
| Spindle bore | 55 mm |
| Spindle bore | 50 mm |
| Spindle nose Camlock | Camlock D1-5 |
| Spindle bore taper MT | 6 |
| Spindle speed | [12] 45 ÷ 2000 rpm |
| Longitudinal feeds | 0,06 ÷ 2,78 mm/rev |
| Cross feeds | 0,01 ÷ 0,72 mm/rev |
| Metric threads | 0,8 ÷ 14 mm |
| Inch threads | 2 ÷ 28 TPI |
| Tailstock taper MT | 4 |
| Motor | 400V 50 Hz 1,5 / 2,4 kW |
| Dimensions | 1860 x 800 x 1600 h mm |
| Net weight | 760 kg |

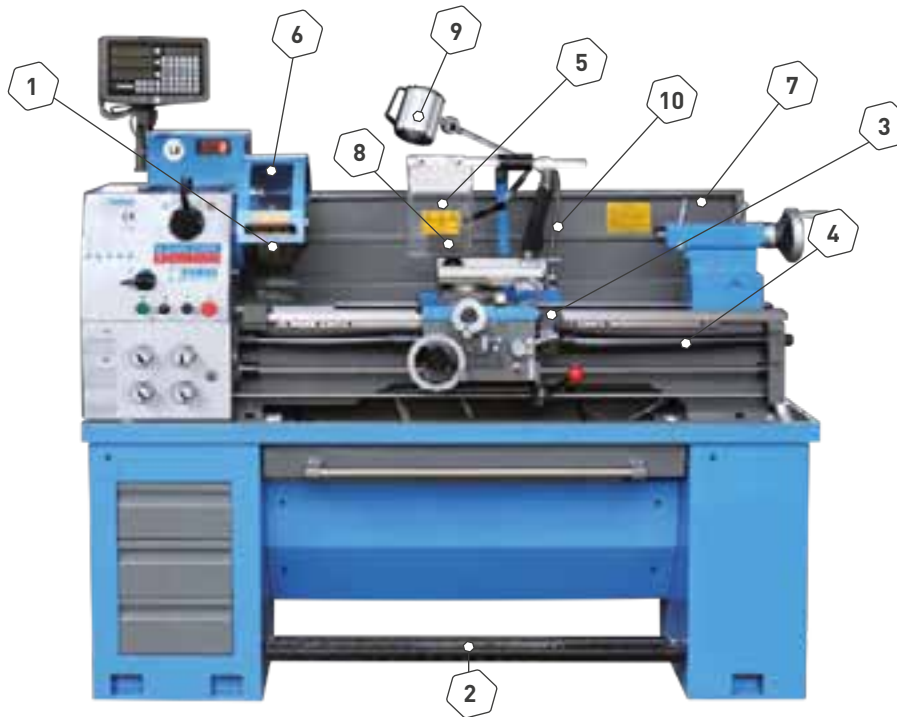
INCLUDED ACCESSORIES

- 3+3 jaw self centering chuck Ø 200 mm
- 4 independent jaw chuck Ø 200 mm
- Reduction sleeve MT 6/4
- Face plate Ø 320 mm
- Follow rest
- Steady rest
- 2 x Dead center MT 4
- Live center MT 4
- Thread dial
- Leadscrew hood
- Turret guard
- Chuck safeguard
- Full length splash guard
- TOAB quick change tool post
- Working lamp
- Cooling system
- Foot brake
- Clutch on turning bar
- Quick locking tailstock carriage
- Wagon gears in oil bath



T069/400VI3A
GEAR HEAD LATHE WITH INVERTER AND READOUT

3 axis readout and semi norton gear box. Turning bar with adjustable clutch and rotation speed display.



- 1 Self centering chuck 3+3 Ø 200 mm
- 2 Foot brake
- 3 Thread dial
- 4 Leadscrew hood
- 5 Tool post safeguard

- 6 Chuck safeguard
- 7 Full length splash guard
- 8 TOAE quick change tool post
- 9 Working lamp
- 10 Cooling system

| | |
|--------------------------------|------------------------------|
| Centers height | 190 mm |
| Max swing over the bed | 380 mm |
| Max swing over the cross slide | 225 mm |
| Max swing over the gap | 503 mm |
| Tool height | 20 mm |
| Distance between centers | 1000 mm |
| Spindle bore | 51 mm |
| Spindle nose Camlock | Camlock D1-5 |
| Spindle bore taper MT | 6 |
| Variable spindle speed | (2) 70 ÷ 400 50 ÷ 2000 rpm |
| Longitudinal feeds | 0,052 - 1,392 mm/rev |
| Cross feeds | 0,014 - 0,380 mm/rev |
| Metric threads | 0,4 - 7 mm |
| Inch threads | 4 - 56 TPI |
| Tailstock taper MT | 4 |
| Motor | 400V 50 Hz 1,5 kW |
| Dimensions | 1820 x 90 x 1650 h mm |
| Net weight | 645 kg |

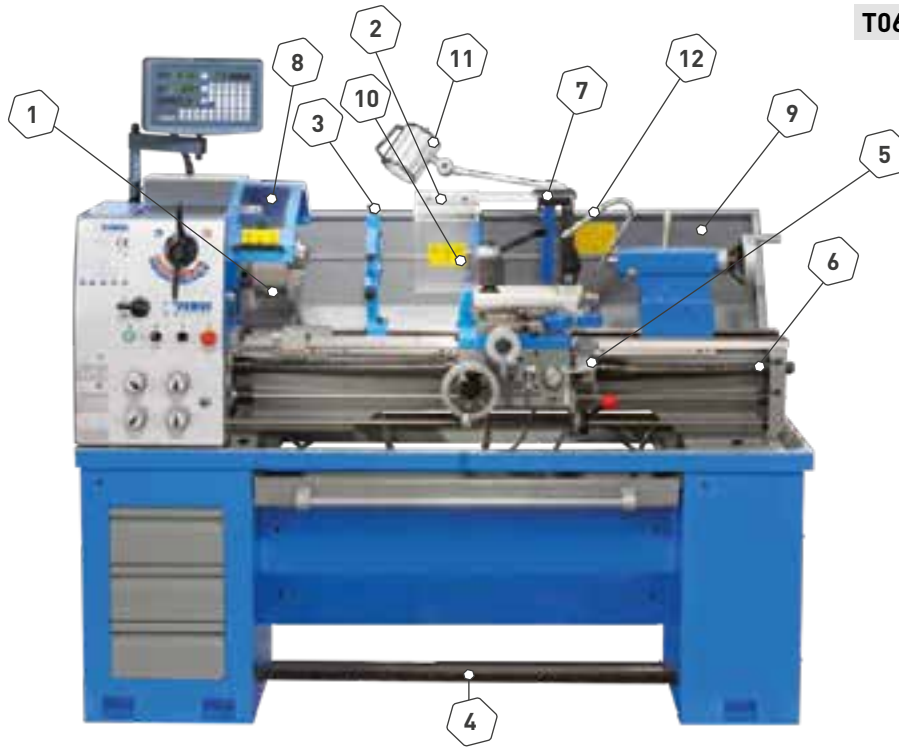
INCLUDED ACCESSORIES

- 3+3 jaw self centering chuck Ø 200 mm
- 4 Reversible independent jaws chuck Ø 200 mm
- Reduction sleeve MT 6/4
- Face plate Ø 320 mm
- Follow rest
- Steady rest
- 2 x Dead center MT 4
- Live center MT 4
- Thread dial
- Turret guard
- Leadscrew hood
- Chuck safeguard
- Full length splash guard
- TOAE quick change tool post
- Working lamp
- Cooling system
- Foot brake
- Clutch on turning bar
- Quick locking tailstock carriage
- Wagon gears in oil bath



T069/400V3A
GEAR HEAD LATHE WITH READOUT

3 axis readout and semi norton gear box. Turning bar with adjustable clutch.

T069/400V
WITHOUT READOUT


- 1** Self centering chuck 3+3 Ø 200 mm
- 2** Follow rest
- 3** Steady rest
- 4** Foot brake
- 5** Thread dial
- 6** Leadscrew hood

- 7** Tool post safeguard
- 8** Chuck safeguard
- 9** Full length splash guard
- 10** TOAE quick change tool post
- 11** Working lamp
- 12** Cooling system

| | |
|--------------------------------|-------------------------|
| Centers height | 200 mm |
| Max swing over the bed | 400 mm |
| Max swing over the cross slide | 258 mm |
| Max swing over the gap | 550 mm |
| Tool height | 20 mm |
| Distance between centers | 1000 mm |
| Spindle bore | 55 mm |
| Spindle bore | 50 mm |
| Spindle nose Camlock | Camlock D1-5 |
| Spindle bore taper MT | 6 |
| Spindle speed | (12) 45 ÷ 2000 rpm |
| Longitudinal feeds | 0,06 ÷ 2,78 mm/rev |
| Cross feeds | 0,01 ÷ 0,72 mm/rev |
| Metric threads | 0,8 ÷ 14 mm |
| Inch threads | 2 ÷ 28 TPI |
| Tailstock taper MT | 4 |
| Motor | 400V 50 Hz 1,5 / 2,4 kW |
| Dimensions | 1860 x 800 x 1600 h mm |
| Net weight | 760 kg |

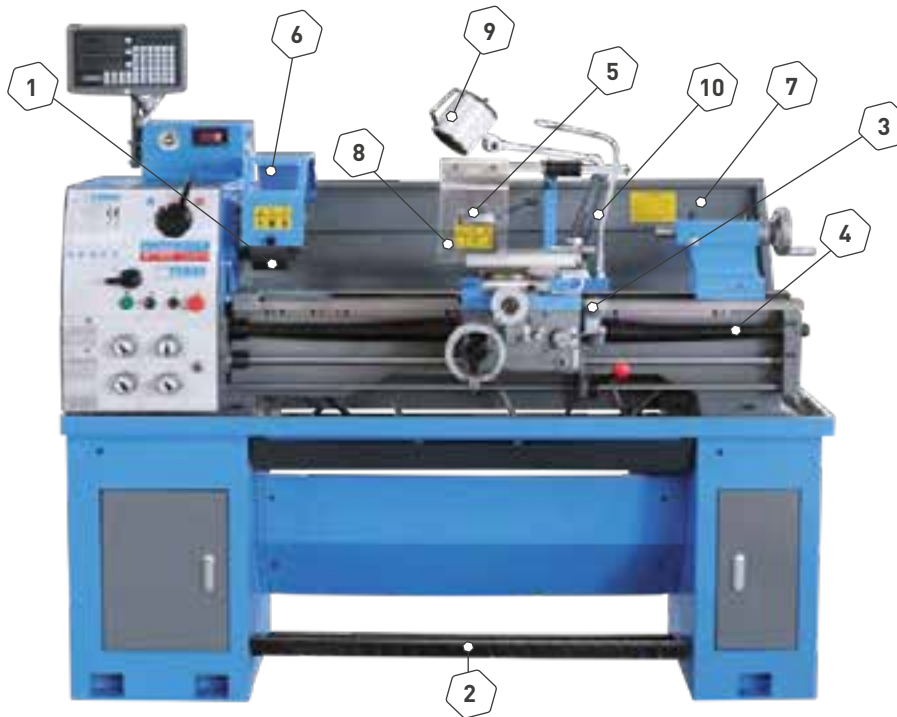
INCLUDED ACCESSORIES

- 3+3 jaw self centering chuck Ø 200 mm
- 4 Reversible independent jaws chuck Ø 200 mm
- Reduction sleeve MT 6/4
- Face plate Ø 320 mm
- Follow rest
- Steady rest
- 2 x Dead center MT 4
- Live center MT 4
- Thread dial
- Leadscrew hood
- Chuck safeguard
- Full length splash guard
- TOAE quick change tool post
- Working LED lamp
- Cooling system
- Turret guard
- Foot brake
- Clutch on turning bar
- Quick locking tailstock carriage
- Wagon gears in oil bath



T998/400VI3A
GEAR HEAD LATHE WITH INVERTER AND READOUT

3 axis readout and semi norton gear box. Turning bar with adjustable clutch and rotation speed display.



- 1** Self centering chuck 3+3 Ø 200 mm
- 2** Foot brake
- 3** Thread dial
- 4** Leadscrew hood
- 5** Tool post safeguard

- 6** Chuck safeguard
- 7** Full length splash guard
- 8** TOAE quick change tool post
- 9** Working lamp
- 10** Cooling system

| | |
|--------------------------------|-------------------------------|
| Centers height | 160 mm |
| Max swing over the bed | 320 mm |
| Max swing over the cross slide | 198 mm |
| Max swing over the gap | 470 mm |
| Tool height | 20 mm |
| Distance between centers | 1000 mm |
| Spindle bore | 51 mm |
| Spindle nose Camlock | Camlock D1-5 |
| Spindle bore taper MT | 5 |
| Variable spindle speed | (2) 70 ÷ 400 350 ÷ 2000 rpm |
| Longitudinal feeds | 0.052 ÷ 1.392 mm/rev |
| Cross feeds | 0.009 ÷ 0.253 mm/rev |
| Metric threads | 0,4 ÷ 7 mm |
| Inch threads | 4 ÷ 56 TPI |
| Tailstock taper MT | 3 |
| Motor | 400V 50 Hz 1,5 kW |
| Dimensions | 1820 x 900 x 1650 h mm |
| Net weight | 635 kg |

INCLUDED ACCESSORIES

- 3+3 jaw self centering chuck Ø 200 mm
- 4 Reversible independent jaws chuck Ø 200 mm
- Reduction sleeve MT 5/3
- Face plate Ø 250 mm
- Follow rest
- Steady rest
- Dead center MT 3
- Live center MT 3
- Foot brake
- Thread dial
- Leadscrew hood
- Chuck safeguard
- Full length splash guard
- TOAE quick change tool post
- Working lamp
- Cooling system
- Turret guard
- Clutch on turning bar
- Quick locking tailstock carriage
- Wagon gears in oil bath



T998/230V3A & T998/400V3A

GEAR HEAD LATHE WITH READOUT

3 axis readout, semi norton gear box. Turning bar with adjustable clutch.

T998/400V

WITHOUT READOUT



- 1 Self centering chuck 3+3 Ø 200 mm
- 2 Follow rest
- 3 Steady rest
- 4 Foot brake
- 5 Thread dial
- 6 Leadscrew hood

- 7 Tool post safeguard
- 8 Chuck safeguard
- 9 Full length splash guard
- 10 T0AE quick change tool post
- 11 Working lamp
- 12 Cooling system

| | |
|--------------------------------|------------------------|
| Centers height | 160 mm |
| Max swing over the bed | 320 mm |
| Max swing over the cross slide | 198 mm |
| Max swing over the gap | 470 mm |
| Tool height | 20 mm |
| Distance between centers | 1000 mm |
| Spindle bore | 51 mm |
| Spindle nose Camlock | Camlock D1-5 |
| Spindle bore taper MT | 5 |
| Spindle speed | (8) 70 ÷ 2000 rpm |
| Longitudinal feeds | 0.052 ÷ 1.392 mm/rev |
| Cross feeds | 0.009 ÷ 0.253 mm/rev |
| Metric threads | 0,4 ÷ 7 mm |
| Inch threads | 4 ÷ 56 TPI |
| Tailstock taper MT | 3 |
| Motor | 230 V 50 Hz 1,8 kW |
| Dimensions | 1820 x 800 x 1320 h mm |
| Net weight | 630 kg |

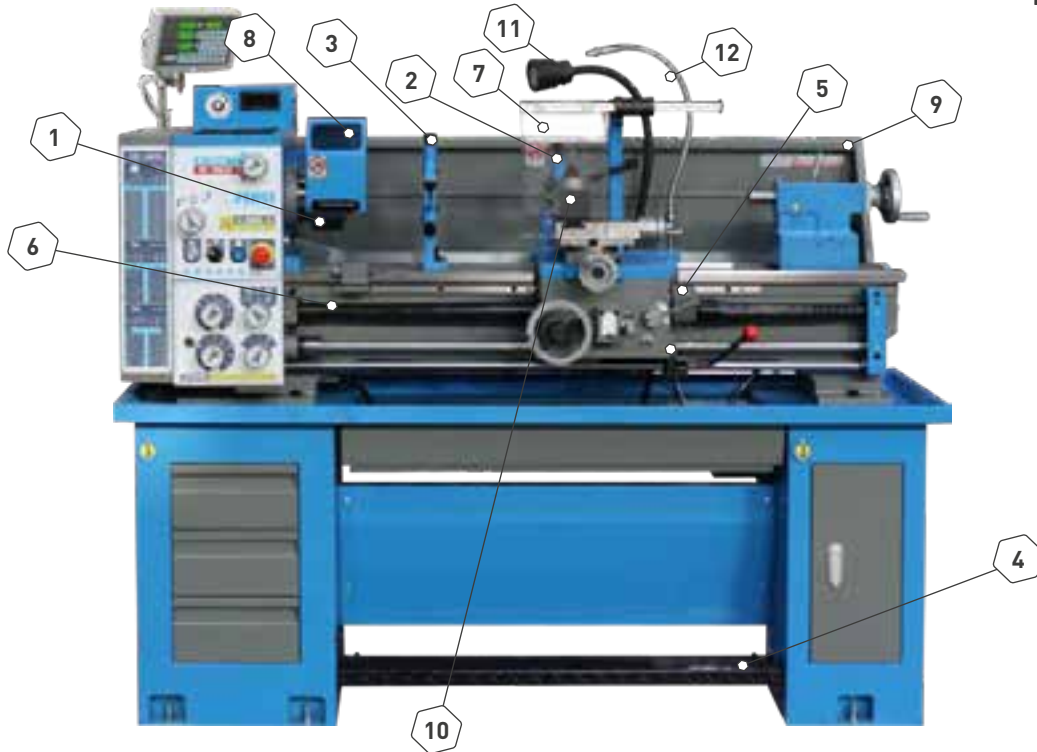
INCLUDED ACCESSORIES

- 3+3 jaw self centering chuck Ø 200 mm
- 4 Reversible independent jaws chuck Ø 200 mm
- Reduction sleeve MT 5/3
- Face plate Ø 250 mm
- Follow rest
- Steady rest
- 2 x Dead center MT 3
- Live center MT 3
- Foot brake
- Thread dial
- Leadscrew hood
- Turret protection
- Chuck safeguard
- Full length splash guard
- T0AE quick change tool post
- Working lamp
- Cooling system
- Clutch on turning bar
- Quick locking tailstock carriage
- Wagon gears in oil bath



T997/230VI3A
NEW
GEAR HEAD LATHE WITH INVERTER AND READOUT

3 axis readout and semi norton gear box. Turning bar with adjustable clutch and rotation speed display.

T997/230VI
WITHOUT READOUT


- 1** Self centering chuck 3+3 Ø 200 mm
- 2** Follow rest
- 3** Steady rest
- 4** Foot brake
- 5** Thread dial
- 6** Leadscrew hood

- 7** Tool post safeguard
- 8** Chuck safeguard
- 9** Full length splash guard
- 10** T0AE quick change tool post
- 11** Working lamp
- 12** Cooling system

| | |
|--------------------------------|---------------------------|
| Centers height | 160 mm |
| Max swing over the bed | 320 mm |
| Max swing over the cross slide | 180 mm |
| Tool height | 16 mm |
| Distance between centers | 1000 mm |
| Spindle bore taper MT | 5 |
| Spindle bore | 38 mm |
| Spindle nose Camlock | Camlock D1-4 |
| Spindle speed | (3) 60-1750 rpm |
| Longitudinal feeds | (40) 0,053 - 1,291 mm/rev |
| Cross feeds | (40) 0,011 - 0,275 mm/rev |
| Metric threads | (32) 0,4 - 7 mm |
| Inch threads | (36) 4 - 60 TPI |
| Tailstock taper MT | 3 |
| Motor | 230 V 50/60 Hz 1.5 kW |
| Dimensions | 1850 x 700 x 1550 mm |
| Net weight | 550 Kg |

INCLUDED ACCESSORIES

- 3+3 jaw self centering chuck Ø 160 mm
- 4 Reversible independent jaws chuck Ø 200 mm
- Face plate Ø 250 mm
- Follow rest
- Steady rest
- Reduction sleeve MT 5/3
- Dead center MT 3
- Dead center MT 5
- Live center MT 3
- Foot brake
- Thread dial
- Leadscrew protection
- Turret protection
- Chuck safeguard
- Full length splash guard
- T0AE quick change tool post
- Working lamp LED
- Quick locking tailstock carriage
- Cooling system
- Clutch on turning bar
- Wagon gears in oil bath



T997/400V3A & T997/230V3A

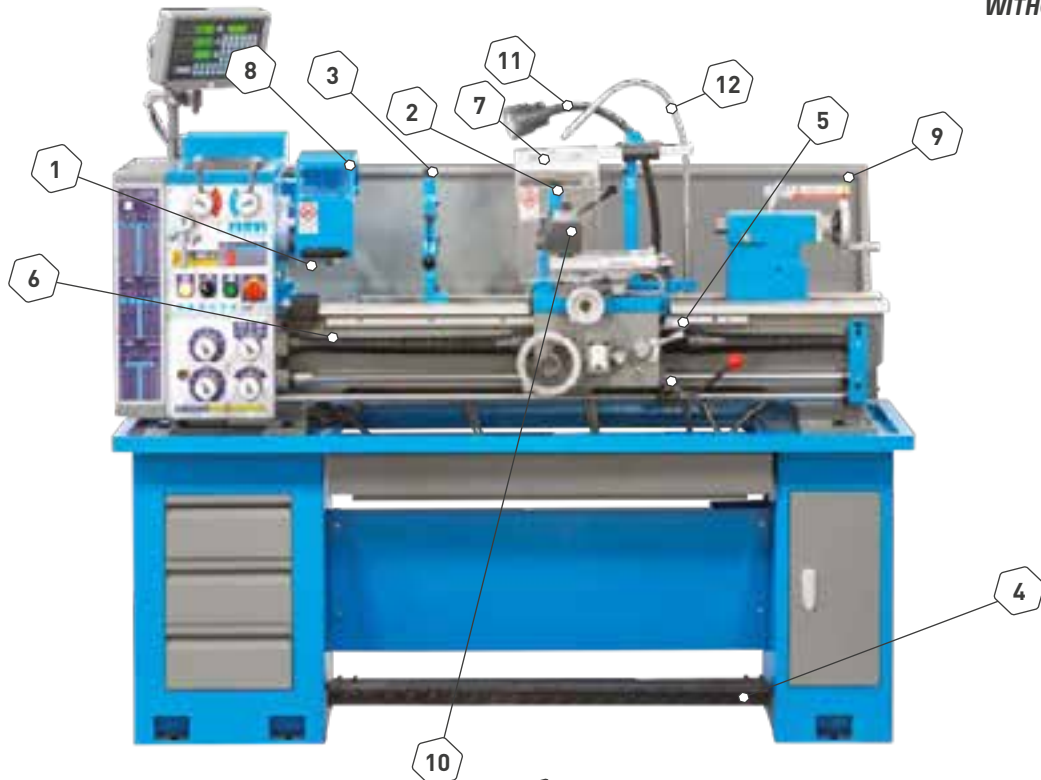
NEW

GEAR HEAD LATHE WITH READOUT

3 axis readout, semi norton gear box. Turning bar with adjustable clutch.

T997/400V & T997/230V

WITHOUT READOUT



- 1 Self centering chuck 3+3 Ø 160 mm
- 2 Follow rest
- 3 Steady rest
- 4 Foot brake
- 5 Thread dial
- 6 Leadscrew hood

- 7 Tool post safeguard
- 8 Chuck safeguard
- 9 Full length splash guard
- 10 T0AE quick change tool post
- 11 Working lamp
- 12 Cooling system

| | |
|--------------------------------|---------------------------|
| Centers height | 160 mm |
| Max swing over the bed | 320 mm |
| Max swing over the cross slide | 180 mm |
| Tool height | 16 mm |
| Distance between centers | 1000 mm |
| Spindle bore taper MT | 5 |
| Spindle bore | 38 mm |
| Spindle nose Camlock | Camlock D1-4 |
| Spindle speed | (18) 75-1800 rpm |
| Longitudinal feeds | (40) 0,053 - 1,291 mm/rev |
| Cross feeds | (40) 0,011 - 0,275 mm/rev |
| Metric threads | (32) 0,4 - 7 mm |
| Inch threads | (36) 4 - 60 TPI |
| Tailstock taper MT | 3 |
| Motor | 400 V 50/60 Hz 1.1 kW |
| Dimensions | 1850 x 700 x 1550 mm |
| Net weight | 550 Kg |

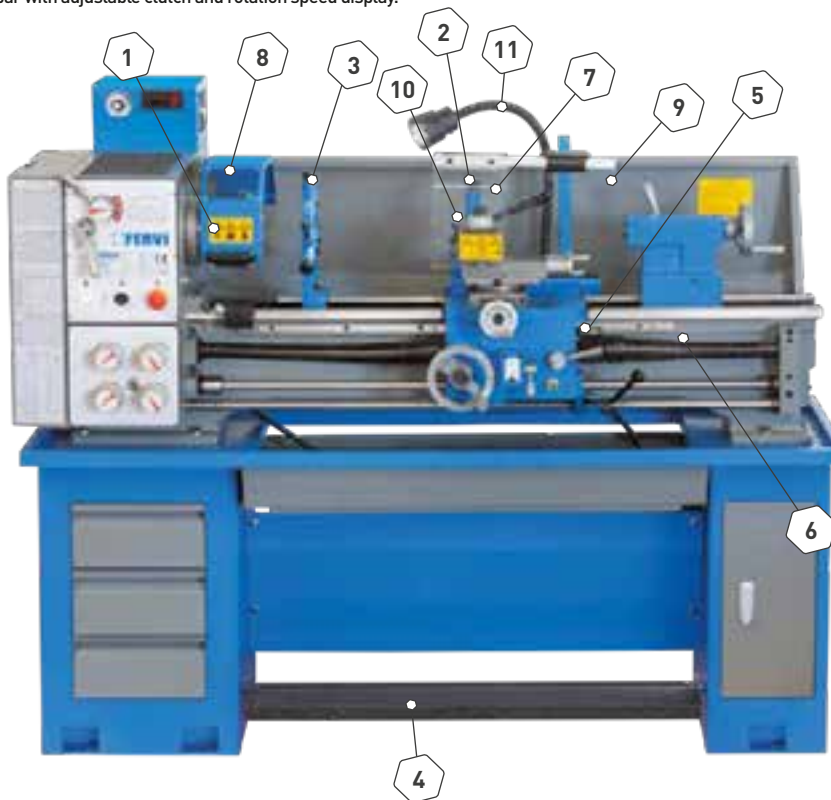
INCLUDED ACCESSORIES

- 3+3 jaw self centering chuck Ø 160 mm
- 4 Reversible independent jaws chuck Ø 200 mm
- Face plate Ø 250 mm
- Follow rest
- Steady rest
- Reduction sleeve MT 5/3
- Dead center MT 3
- Dead center MT 5
- Live center MT 3
- Foot brake
- Thread dial
- Leadscrew protection
- Turret protection
- Chuck safeguard
- Full length splash guard
- T0AE quick change tool post
- Working lamp LED
- Quick locking tailstock carriage
- Cooling system
- Clutch on turning bar
- Wagon gears in oil bath



T940/230VI
GEAR HEAD LATHE WITH INVERTER

Semi norton gear box. Turning bar with adjustable clutch and rotation speed display.



- 1 Self centering chuck 3+3 Ø 160 mm
- 2 Follow rest
- 3 Steady rest
- 4 Foot brake
- 5 Thread dial

- 6 Leadscrew hood
- 7 Tool post safeguard
- 8 Chuck safeguard
- 9 Full length splash guard
- 10 TOAE quick change tool post
- 11 Working lamp

| | |
|--------------------------------|-----------------------|
| Centers height | 160 mm |
| Max swing over the bed | 320 mm |
| Max swing over the cross slide | 180 mm |
| Tool height | 16 mm |
| Distance between centers | 940 mm |
| Spindle bore taper MT | 5 |
| Spindle bore | 38 mm |
| Spindle nose Camlock | Camlock D1-4 |
| Variable spindle speed | 65 ÷ 1750 rpm |
| Longitudinal feeds | 0,053 ÷ 1,291 mm/rev |
| Cross feeds | 0,011 ÷ 0,276 mm/rev |
| Metric threads | 0,4 ÷ 7 mm |
| Inch threads | 4 ÷ 60 TPI |
| Tailstock taper MT | 3 |
| Motor | 230 V 50/60 Hz 1.5 kW |
| Dimensions | 1770 x 1400 x 670 mm |
| Net weight | 525 kg |

INCLUDED ACCESSORIES

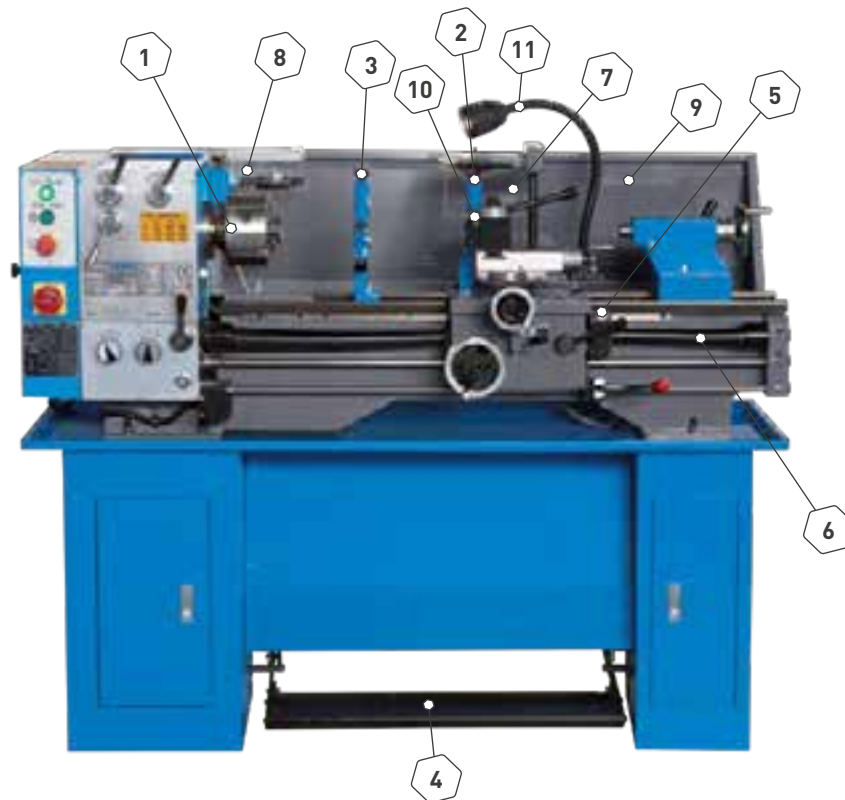
- 3+3 jaw self centering chuck Ø 160 mm
- 4 Reversible independent jaws chuck Ø 200 mm
- Reduction sleeve MT 5/3
- Face plate Ø 240 mm
- Face plate Ø 200 mm
- Follow rest
- Steady rest
- Dead center MT 3
- Dead center MT 5
- Live center MT 3

- Foot brake
- Thread dial
- Leadscrew hood
- Turret protection
- Chuck safeguard
- Full length splash guard
- TOAE quick change tool post
- Working lamp
- Quick locking tailstock carriage
- Wagon gears in oil bath



T940/230V
GEAR HEAD LATHE

Semi norton gear box.



- 1 Self centering chuck 3+3 Ø 160 mm
- 2 Follow rest
- 3 Steady rest
- 4 Foot brake
- 5 Thread dial

- 6 Leadscrew hood
- 7 Tool post safeguard
- 8 Chuck safeguard
- 9 Full length splash guard
- 10 TOAE quick change tool post
- 11 Working lamp

| | |
|--------------------------------|------------------------|
| Centers height | 150 mm |
| Max swing over the bed | 300 mm |
| Max swing over the gap | 480 mm |
| Max swing over the cross slide | 173 mm |
| Tool height | 16 mm |
| Distance between centers | 940 mm |
| Spindle bore | 38 mm |
| Spindle bore taper MT | 5 |
| Spindle speed | (9) 64 ÷ 1500 rpm |
| Longitudinal feeds | 0,051 ÷ 0,303 mm/rev |
| Cross feeds | 0,051 ÷ 0,303 mm/rev |
| Metric threads | 0,5 ÷ 3,5 mm |
| Inch threads | 7,5 ÷ 48 TPI |
| Tailstock taper MT | 3 |
| Motor | 230 V 50 Hz 1,5 kW |
| Dimensions | 600 x 1600 x 1270 h mm |
| Net weight | 520 kg |

INCLUDED ACCESSORIES

- 3+3 jaw self centering chuck Ø 160 mm
- 4 Reversible independent jaws chuck Ø 200 mm
- Reduction sleeve MT 5/3
- Face plate Ø 240 mm
- Face plate Ø 200 mm
- Follow rest
- Steady rest
- Dead center MT 3
- Dead center MT 5
- Live center MT 3

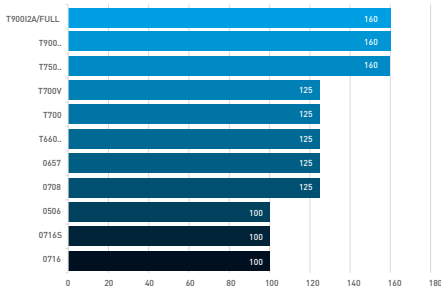
- Foot brake
- Thread dial
- Leadscrew hood
- Turret protection
- Chuck safeguard
- Full length splash guard
- TOAE quick change tool post
- LED Working lamp
- Quick locking tailstock carriage
- Wagon gears in oil bath



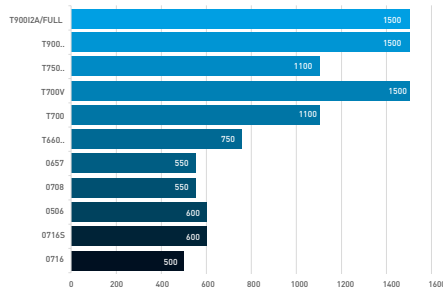
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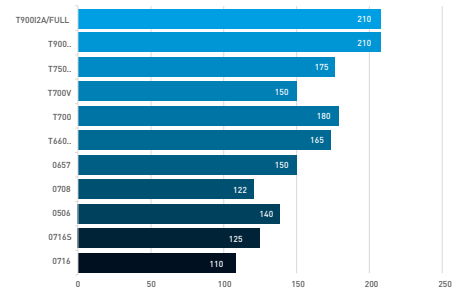
Spindle diameter (mm)



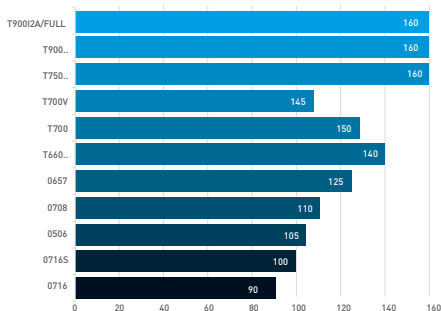
Power (W)



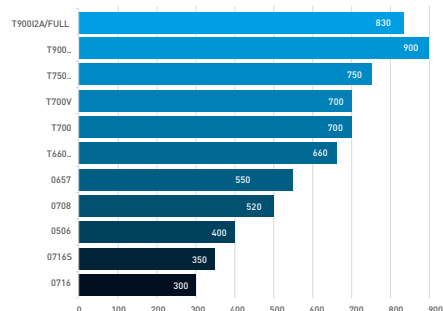
Max swing over the cross slide (mm)



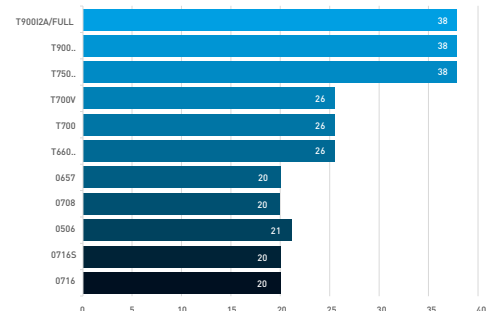
Centers height (mm)



Distance between centers (mm)



Spindle bore (mm)

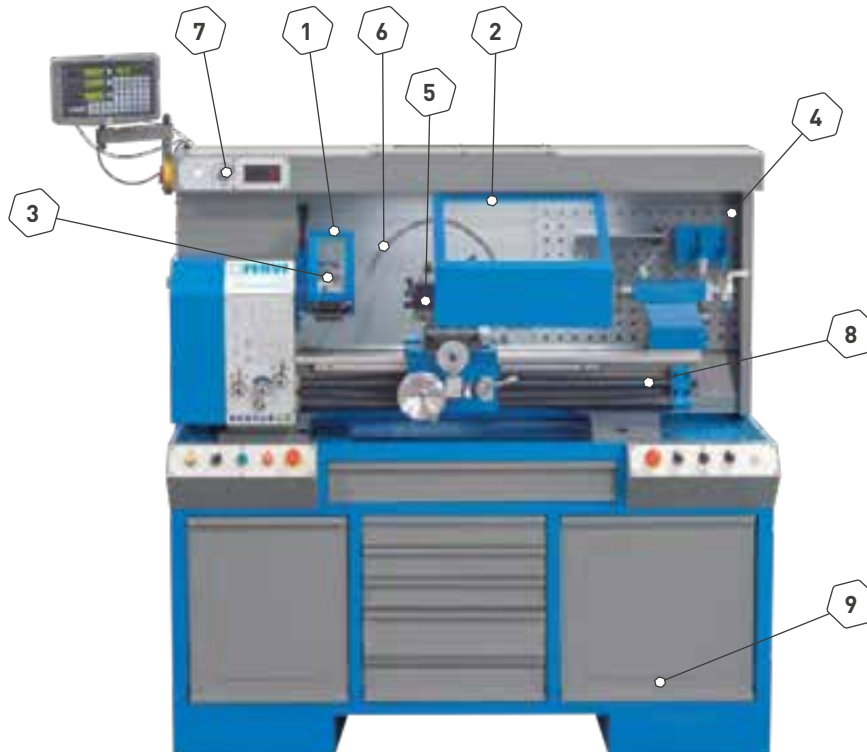


T90012A/FULL

NEW

GEAR HEAD LATHE WITH INVERTER AND READOUT

Bench lathe semi norton gear box and belt drive, longitudinal and cross feeds, turning, leadscrew, bench with drawers, cabinet and complete with accessories already included. Turning bar with adjustable clutch.



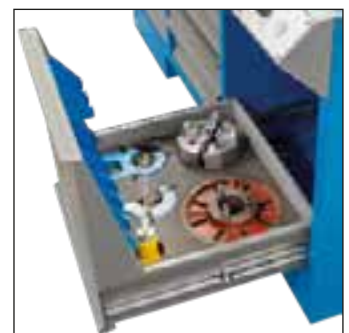
- 1 Chuck safeguard
- 2 Toolpost safeguard
- 3 Self centering chuck 3+3 Ø160mm
- 4 Full length splash guard
- 5 Tool post TOAE

- 6 Cooling system
- 7 Potentiometer
- 8 Leadscrew hood
- 9 Coolant pump seat

| | |
|--------------------------------|-------------------------|
| Centers height | 160 mm |
| Max swing over the bed | 320 mm |
| Max swing over the cross slide | 210 mm |
| Tool height | 20 mm |
| Distance between centers | 830 mm |
| Spindle bore | 38 mm |
| Spindle nose Camlock | Camlock D1-4 |
| Spindle bore taper MT | 5 |
| Variable spindle speed | 60 ÷ 1600 rpm |
| Longitudinal feeds | 0,085 ÷ 0,832 mm / giro |
| Cross feeds | 0,01 ÷ 0,10 mm/giro |
| Metric threads | (18) 0,2 ÷ 3,5 mm |
| Inch threads | (21) 8 ÷ 48 TPI |
| Tailstock taper MT | 3 |
| Motor | 230 V 50/60 Hz 1,5 kW |
| Dimensions | 1550 x 660 x 1790 mm |
| Net weight | 500 kg |

INCLUDED ACCESSORIES

- 3+3 jaw self centering chuck Ø 160 mm
- 4 Reversible independent jaws chuck Ø 160 mm
- Face plate Ø 240 mm
- Flange for 4-jaw chuck Ø 160 mm
- Follow rest
- Steady rest
- Dead center MT 3
- Dead center MT 5
- Live center MT 3
- Keyless chuck with MT 3 connection
- Clutch on turning bar
- Selector negative electro-brake
- Leadscrew hood
- Slidable turret safeguard
- Chuck safeguard with micro switch
- Full length splash guard
- Quick change tool post TOAE
- LED light
- Quick locking tailstock carriage
- Refrigeration system with pump in sliding drawer
- Drawers with sponge and accessories included
- Set 7 Pcs tools 20 mm with turning inserts



T9001

GEAR HEAD LATHE WITH INVERTER

Bench lathe semi norton gear box and belt drive, longitudinal and cross feeds, turning, leadscrew, partially assembled bench with 3 drawers, and cabinet. Turning bar with adjustable clutch.

INCLUDED ACCESSORIES

- 3+3 jaw self centering chuck Ø 160 mm
- 4 Reversible independent jaws chuck Ø 160 mm
- Face plate Ø 240 mm
- Flange for 4-jaw chuck Ø 160 mm
- Follow rest
- Steady rest
- Dead center MT 3
- Dead center MT 5
- Clutch on turning bar
- Thread dial
- Leadscrew hood
- Turret safeguard with micro switch
- Chuck safeguard with micro switch
- Full length splash guard
- Quick change tool post TOAE
- LED light
- Quick locking tailstock carriage 75 mm
- Wagon gears in oil bath

| | |
|--------------------------------|---------------------------|
| Centers height | 160 mm |
| Max swing over the bed | 320 mm |
| Max swing over the cross slide | 210 mm |
| Tool height | 16 mm |
| Distance between centers | 900 mm |
| Spindle bore | 38 mm |
| Spindle nose Camlock | Camlock D1-4 |
| Spindle bore taper MT | 5 |
| Variable spindle speed | 75 ÷ 500 300 ÷ 2000 rpm |
| Longitudinal feeds | 0,07 ÷ 1,0 mm/rev |
| Cross feeds | 0,0017 ÷ 0,25 mm/rev |
| Metric threads | (18) 0,2 ÷ 3,5 mm |
| Inch threads | (21) 8 ÷ 56 TPI |
| Tailstock taper MT | 3 |
| Motor | 230V 50/60 Hz 1.5 kW |
| Dimensions | 1600 x 750 x 1300 mm |
| Net weight | 360 kg |



T900

GEAR HEAD LATHE

Bench lathe semi norton gear box and belt speed, change, longitudinal and cross feeds, turning, leadscrew, partially assembled bench with 3 drawers, and cabinet. Turning bar with adjustable clutch.

INCLUDED ACCESSORIES

- 3+3 jaw self centering chuck Ø 160 mm
- 4 Reversible independent jaws chuck Ø 160 mm
- Face plate Ø 240 mm
- Flange for 4-jaw chuck Ø 160 mm
- Follow rest
- Steady rest
- Dead center MT 3
- Dead center MT 5
- Clutch on turning bar
- Thread dial
- Leadscrew hood
- Turret safeguard with micro switch
- Chuck safeguard with micro switch
- Full length splash guard
- Quick change tool post TOAE
- LED light
- Quick locking tailstock carriage 75 mm
- Wagon gears in oil bath

| | |
|--------------------------------|----------------------|
| Centers height | 160 mm |
| Max swing over the bed | 320 mm |
| Max swing over the cross slide | 210 mm |
| Tool height | 16 mm |
| Distance between centers | 900 mm |
| Spindle bore | 38 mm |
| Spindle nose Camlock | Camlock D1-4 |
| Spindle bore taper MT | 5 |
| Spindle speed | (6) 125 ÷ 2000 rpm |
| Longitudinal feeds | 0,07 ÷ 1,0 mm/rev |
| Cross feeds | 0,0017 ÷ 0,25 mm/rev |
| Metric threads | (18) 0,2 ÷ 3,5 mm |
| Inch threads | (21) 8 ÷ 56 TPI |
| Tailstock taper MT | 3 |
| Motor | 230 V 50 Hz 1,5 kW |
| Dimensions | 1600 x 750 x 1300 mm |
| Net weight | 330 kg |



T750I

GEAR HEAD LATHE WITH INVERTER

Bench lathe semi norton gear box and belt drive, change, longitudinal and cross feeds, turning, leadscrew, partially assembled bench with 3 drawers, and cabinet. Turning bar with adjustable clutch.

INCLUDED ACCESSORIES

- 3+3 jaw self centering chuck Ø 125 mm
- 4 Reversible independent jaws chuck Ø 160 mm
- Face plate Ø 200 mm
- Flange for 4-jaw chuck Ø 160 mm
- Follow rest
- Steady rest
- Dead center MT 3
- Dead center MT 5
- Clutch on turning bar
- Thread dial
- Leadscrew hood
- Turret safeguard with micro switch
- Chuck safeguard with micro switch
- Full length splash guard
- Quick change tool post T0AE
- LED light

| | |
|--------------------------------|---------------------------|
| Centers height | 160 mm |
| Max swing over the bed | 290 mm |
| Max swing over the cross slide | 175 mm |
| Tool height | 20 mm |
| Distance between centers | 750 mm |
| Spindle bore | 38 mm |
| Spindle bore taper MT | 5 |
| Variable spindle speed | 75 ÷ 500 / 300 ÷ 2000 rpm |
| Longitudinal feeds | 0,07 ÷ 1,0 mm/rev |
| Cross feeds | 0,0017 ÷ 0,25 mm/rev |
| Metric threads | (18) 0,2 ÷ 3,5 mm |
| Inch threads | (21) 8 ÷ 56 TPI |
| Tailstock taper MT | 3 |
| Motor | Three-phased 230 V 1.1 kW |
| Single-phase power supply | 230 V 50 / 60 Hz |
| Dimensions | 1450 x 720 x 1280 mm |
| Net weight | 310 kg |



T750

GEAR HEAD LATHE

Bench lathe semi norton gear box and belt speed, change, longitudinal and cross feeds, turning, leadscrew, partially assembled bench with 3 drawers, and cabinet. Turning bar with adjustable clutch.

INCLUDED ACCESSORIES

- 3+3 jaw self centering chuck Ø 125 mm
- 4 Reversible independent jaws chuck Ø 160 mm
- Face plate Ø 200 mm
- Flange for 4-jaw chuck Ø 160 mm
- Follow rest
- Steady rest
- Dead center MT 3
- Dead center MT 5
- Clutch on turning bar
- Thread dial
- Leadscrew hood
- Turret safeguard with micro switch
- Chuck safeguard with micro switch
- Full length splash guard
- Quick change tool post T0AE
- LED light
- Quick stop tailstock with a swing of 75 mm
- Saddle gears in oil

| | |
|--------------------------------|----------------------|
| Centers height | 160 mm |
| Max swing over the bed | 290 mm |
| Max swing over the cross slide | 175 mm |
| Tool height | 20 mm |
| Distance between centers | 750 mm |
| Spindle bore | 38 mm |
| Spindle bore taper MT | 5 |
| Spindle speed | (6) 125 ÷ 2000 rpm |
| Longitudinal feeds | 0,07 ÷ 1,0 mm/rev |
| Cross feeds | 0,0017 ÷ 0,25 mm/rev |
| Metric threads | (18) 0,2 ÷ 3,5 mm |
| Inch threads | (21) 8 ÷ 56 TPI |
| Tailstock taper MT | 3 |
| Motor | 230 V 50 Hz 1,5 kW |
| Dimensions | 1450 x 720 x 1280 mm |
| Net weight | 310 kg |



T700V

VARIABLE SPEED PARALLEL GEAR LATHE

Bench lathe semi norton gear box and variable speed, longitudinal and cross feeds, turning leadscrew, partially assembled bench with 3 drawers and cabinet. Turning bar with adjustable clutch.

INCLUDED ACCESSORIES

- 3+3 jaw self centering chuck Ø 125 mm
- 4 Reversible independent jaws chuck Ø 125 mm
- Face plate Ø 200 mm
- Flange for 4-jaw chuck Ø 125 mm
- Follow rest
- Steady rest
- Dead center MT 2
- Dead center MT 4
- Clutch on turning bar
- Thread dial
- Leadscrew hood
- Turret safeguard with micro switch
- Chuck safeguard
- Full length splash guard
- 4 side fix tool post 12 mm
- Quick stop tailstock with a swing
- Saddle gears in oil

| | |
|--------------------------------|---------------------------------|
| Centers height | 145 mm |
| Max swing over the bed | 290 mm |
| Max swing over the cross slide | 150 mm |
| Tool height | 12 mm |
| Distance between centers | 700 mm |
| Spindle bore | 26 mm |
| Spindle bore taper MT | 4 |
| Variable spindle speed | 50 ÷ 1000 rpm 1110 ÷ 2000 rpm |
| Longitudinal feeds | 0,07 ÷ 0,65 mm/rev |
| Cross feeds | 0,03 ÷ 0,12 mm/rev |
| Metric threads | 0,2 ÷ 3,5 mm |
| Inch threads | 8 ÷ 48 TPI |
| Tailstock taper MT | 2 |
| Motor | 230 V 50 Hz 1,5 kW |
| Dimensions | 1129 x 690 x 1127 mm |
| Net weight | 270 kg |



T700

GEAR HEAD LATHE

Bench lathe semi norton gear box and belt speed, change, longitudinal and cross feeds, turning, leadscrew, partially assembled bench with 3 drawers, and cabinet. Turning bar with adjustable clutch.

INCLUDED ACCESSORIES

- 3+3 jaw self centering chuck Ø 125 mm
- 4 Reversible independent jaws chuck Ø 125 mm
- Face plate Ø 200 mm
- Flange for 4-jaw chuck Ø 125 mm
- Follow rest
- Steady rest
- Dead center MT 2
- Dead center MT 4
- Clutch on turning bar
- Thread dial
- Leadscrew hood
- Turret safeguard with micro switch
- Chuck safeguard
- Full length splash guard
- 4 side fix tool post 12 mm
- Quick stop tailstock with a swing of 85 mm
- Saddle gears in oil

| | |
|--------------------------------|------------------------|
| Centers height | 150 mm |
| Max swing over the bed | 290 mm |
| Max swing over the cross slide | 180 mm |
| Tool height | 12 mm |
| Distance between centers | 700 mm |
| Spindle bore | 26 mm |
| Spindle bore taper MT | 4 |
| Spindle speed | (6) 150 ÷ 2000 rpm |
| Longitudinal feeds | 0,085 ÷ 0,832 mm / rev |
| Cross feeds | 0,01 ÷ 0,10 mm / rev |
| Metric threads | 0,2 ÷ 3,5 mm |
| Inch threads | 8 ÷ 48 TPI |
| Tailstock taper MT | 2 |
| Motor | 230 V 50 Hz 1.1 kW |
| Dimensions | 1270 x 610 x 1320 h mm |
| Net weight | 270 kg |



T660I

BENCH LATHE WITH VARIABLE SPEED INVERTER

Semi norton gear box, partially assembled bench.

INCLUDED ACCESSORIES

- 3+3 self centering chuck \varnothing 125 mm
- 4 Reversible independent jaw chuck \varnothing 160 mm
- Face plate \varnothing 200 mm
- Flange for 4-jaw chuck \varnothing 160 mm
- Follow rest
- Steady rest
- Dead center MT 2
- Dead center MT 4
- Live center MT 2
- Thread dial
- Leadscrew hood
- Turret safeguard
- Chuck safeguard
- Splash guard
- T0AA quick change tool post

| | |
|--------------------------------|------------------------|
| Centers height | 140 mm |
| Max swing over the bed | 280 mm |
| Max swing over the cross slide | 165 mm |
| Tool height | 14 mm |
| Distance between centers | 660 mm |
| Spindle bore | 26 mm |
| Spindle bore taper MT | 4 |
| Variable spindle speed | 100 ÷ 2000 rpm |
| Longitudinal feeds | 0,063 ÷ 0,35 mm/rev |
| Metric threads | 0,25 ÷ 3,5 mm |
| Inch threads | 8 ÷ 72 TPI |
| Tailstock taper MT | 2 |
| Motor | 230 V 50/60 Hz 0.75 kW |
| Dimensions | 1325 x 550 x 1230 mm |
| Net weight | 216 kg |



T660

BENCH LATHE

Semi norton gear box and belt speed change, partially assembled bench.

INCLUDED ACCESSORIES

- 3+3 self centering chuck \varnothing 125 mm
- 4 Reversible independent jaw chuck \varnothing 160 mm
- Face plate \varnothing 200 mm
- Flange for 4-jaw chuck \varnothing 160 mm
- Follow rest
- Steady rest
- Dead center MT 2
- Dead center MT 4
- Live center MT 2
- Thread dial
- Leadscrew hood
- Chuck safeguard
- Splash guard
- T0AA quick change tool post

| | |
|--------------------------------|----------------------|
| Centers height | 140 mm |
| Max swing over the bed | 280 mm |
| Max swing over the cross slide | 165 mm |
| Tool height | 14 mm |
| Distance between centers | 660 mm |
| Spindle bore | 26 mm |
| Spindle bore taper MT | 4 |
| Spindle speed | (6) 125 ÷ 2000 rpm |
| Longitudinal feeds | 0,063 ÷ 0,35 mm/rev |
| Metric threads | 0,25 ÷ 3,5 mm |
| Inch threads | 8 ÷ 72 TPI |
| Tailstock taper MT | 2 |
| Motor | 230 V 50 Hz 0,75 kW |
| Dimensions | 1325 x 550 x 1230 mm |
| Net weight | 216 kg |



0657
BENCH LATHE

With mill table device, belt speed change

INCLUDED ACCESSORIES

- 3+3 self centering chuck Ø 125 mm
- Dead center MT 2
- Dead center MT 3
- Leadscrew hood
- Turret safeguard
- Chuck safeguard
- Splash guard
- 4 side fix tool post 12 mm
- Quick stop tailstock



| | |
|--------------------------------|--------|
| Centers height | 125 mm |
| Max swing over the bed | 250 mm |
| Max swing over the cross slide | 150 mm |
| Tool height | 12 mm |
| Distance between centers | 550 mm |
| Spindle bore | 20 mm |
| Spindle bore taper MT | 3 |
| Tailstock taper MT | 2 |

| | |
|--------------------|----------------------|
| Spindle speed | {6} 125 ÷ 2000 rpm |
| Longitudinal feeds | 0,1 - 0,2 mm/rev |
| Metric threads | 0,4 ÷ 3,5 mm |
| Inch threads | 18 ÷ 44 TPI |
| Motor | 230 V 50 Hz 0,55 kW |
| Dimensions | 1120 x 480 x 460h mm |
| Net weight | 145 kg |

0708
GEAR BENCH LATHE

With speed change by gears, morse tapered spindle bearings, adjustable signs, leadscrew hood, chuck guard with microswitch

INCLUDED ACCESSORIES

- 3+3 jaw self centering chuck Ø 125 mm
- Follow rest
- Dead center MT2
- Dead center MT3
- Thread dial
- Leadscrew hood
- Turret safeguard with micro switch
- Chuck safeguard
- Full length splash guard
- 4 side fix tool post 12 mm



| | |
|--------------------------------|--------------------|
| Centers height | 110 mm |
| Max swing over the bed | 200 mm |
| Max swing over the cross slide | 122 mm |
| Tool height | 12 mm |
| Distance between centers | 520 mm |
| Spindle bore | 20 mm |
| Spindle bore taper MT | 3 |
| Spindle speed | {6} 170 ÷ 1950 rpm |

| | |
|--------------------|----------------------|
| Longitudinal feeds | 0,04 ÷ 0,20 mm/rev |
| Metric threads | 0,25 ÷ 3 mm |
| Inch threads | 8 ÷ 48 TPI |
| Tailstock taper MT | 2 |
| Motor | 230 V 50 Hz 0,55 kW |
| Dimensions | 1080 x 440 x 400h mm |
| Net weight | 130 kg |

0506
BENCH LATHE

Mini lathe with automatic longitudinal feeds and variable speed shown on digital display. With metal gears.

INCLUDED ACCESSORIES

- 3+3 jaw self centering chuck Ø 100 mm
- Follow rest
- Steady rest
- Dead center MT 2
- Live center MT 2
- Thread dial
- Turret safeguard
- Chuck safeguard
- Leadscrew hood
- Full length splash guard
- 4 side fix tool post 10 mm
- Quick stop tailstock



| | |
|--------------------------------|--------|
| Centers height | 105 mm |
| Max swing over the bed | 210 mm |
| Max swing over the cross slide | 140 mm |
| Tool height | 10 mm |
| Distance between centers | 400 mm |
| Spindle bore | 21 mm |
| Spindle bore taper MT | 3 |

| | |
|------------------------|--------------------------------|
| Variable spindle speed | 50 ÷ 1100 rpm 100 ÷ 2500 rpm |
| Longitudinal feeds | 0.083 ÷ 0.175 mm / giro |
| Metric threads | {9} 0,5 ÷ 2,5 mm |
| Tailstock taper MT | 2 |
| Motor | 230 V 50 Hz 0,6 kW |
| Dimensions | 780 x 300 x 340 h mm |
| Net weight | 49 kg |

0716S
MINI LATHE

Mini lathe with automatic longitudinal feeds and variable speed shown on digital display.

INCLUDED ACCESSORIES

- 3+3 jaw self centering chuck \varnothing 100 mm
- Flange \varnothing 160 mm
- Follow rest
- Steady rest
- Dead center MT 2
- Thread dial
- Turret safeguard
- Chuck safeguard
- Full length splash guard
- 4 side fix tool post 10 mm

| | |
|--------------------------------|---------------------------------|
| Centers height | 100 mm |
| Max swing over the bed | 170 mm |
| Max swing over the cross slide | 125 mm |
| Tool height | 10 mm |
| Distance between centers | 350 mm |
| Spindle bore | 20 mm |
| Spindle bore taper MT | 3 |
| Variable spindle speed | (2) 100 ÷ 1100 200 ÷ 2500 rpm |
| Metric threads | 0,5 ÷ 2,5 mm |
| Tailstock taper MT | 2 |
| Motor | 230 V 50 60 Hz 0,6 kW |
| Dimensions | 750 x 245 x 290 h mm |
| Net weight | 46 kg |


0716
MINI LATHE

With automatic longitudinal feeds and variable speed shown on digital display.

INCLUDED ACCESSORIES

- 3+3 jaw self centering chuck \varnothing 100 mm
- Flange \varnothing 160 mm
- Follow rest
- Steady rest
- Dead center MT 2
- Thread dial
- Turret safeguard
- Chuck safeguard
- Full length splash guard
- 4 side fix tool post 10 mm

| | |
|--------------------------------|---------------------------------|
| Centers height | 90 mm |
| Max swing over the bed | 170 mm |
| Max swing over the cross slide | 110 mm |
| Tool height | 10 mm |
| Distance between centers | 300 mm |
| Spindle bore | 20 mm |
| Spindle bore taper MT | 3 |
| Spindle speed | (2) 100 ÷ 1100 200 ÷ 2500 rpm |
| Metric threads | 0,5 ÷ 2,5 mm / giro |
| Tailstock taper MT | 2 |
| Motor | 230 V 50 60 Hz 0,5 kW |
| Dimensions | 730 x 290 x 280 h mm |
| Net weight | 40 kg |


0657/B
UNIVERSAL BENCH LATHE STAND

Not assembled bench lathe stand. Adjustable in three positions. In the case of special dimensions, it is possible to drill the plate. Provided with 2 small doors and 2 shelves. Suitable for lathes

UPGRADE


| | |
|------------|---|
| Dimensions | 90 ÷ 91.5 105 ÷ 106.5 118.5 ÷ 119.5 x 433 x 720h mm |
| Net weight | 37,5 kg |

0710
BENCH LATHE STAND

Partially assembled bench lathe stand.



| | |
|------------|----------------------|
| Dimensions | 1050 x 320 x 725h mm |
| Net weight | 21 kg |

0716/B
BENCH LATHE STAND

Completely made in sheet metal, bench lathe stand, locking without key, inner shelf.



| | |
|-----------------------|---------------------|
| Dimensions | 760 x 240 x 680h mm |
| Slot distance | 535 x 70 mm |
| Internal shelf height | 300 mm |
| Net weight | 23.50 kg |

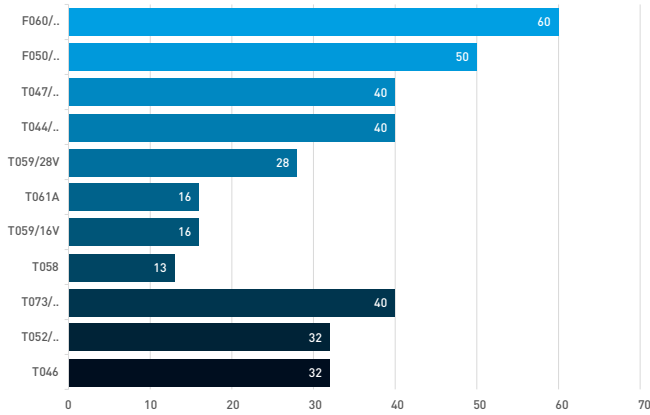
DRILLING MILLING MACHINES

F060/..**F050/..****T047/..****T044/..****T059/28V****T061A****T059/16V****T058****T073****T052/..****T046**

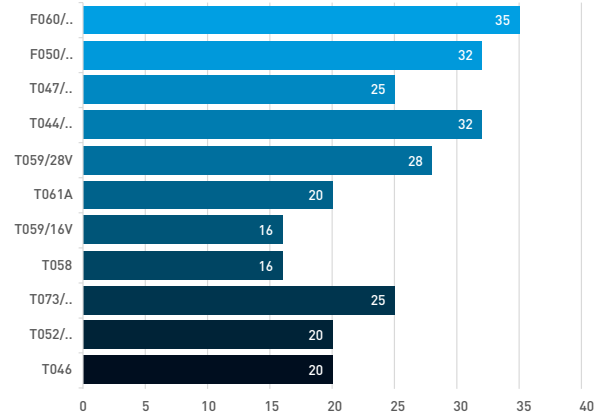


DRILLING MILLING MACHINES

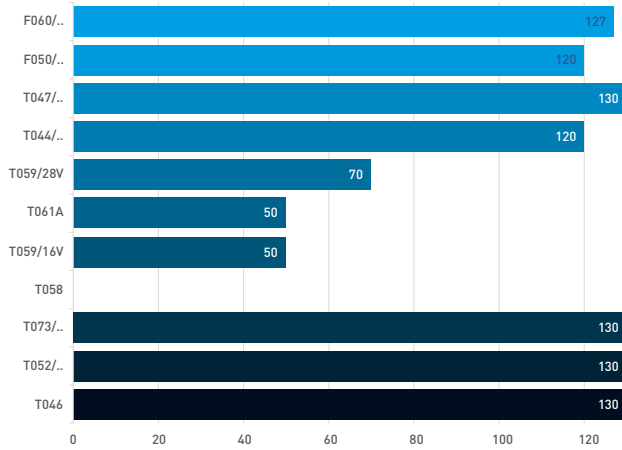
Max drilling capacity (mm)



End milling cutter max (mm)



Spindle travel (mm)



Junction

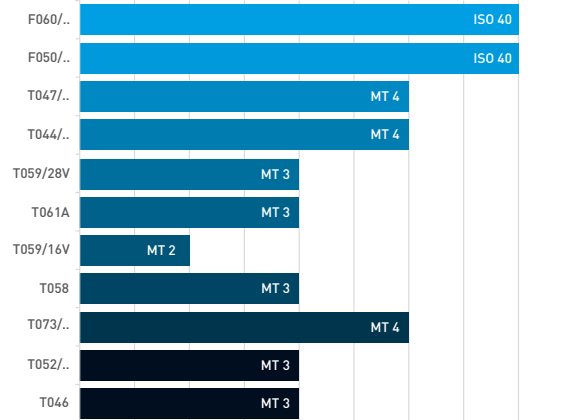
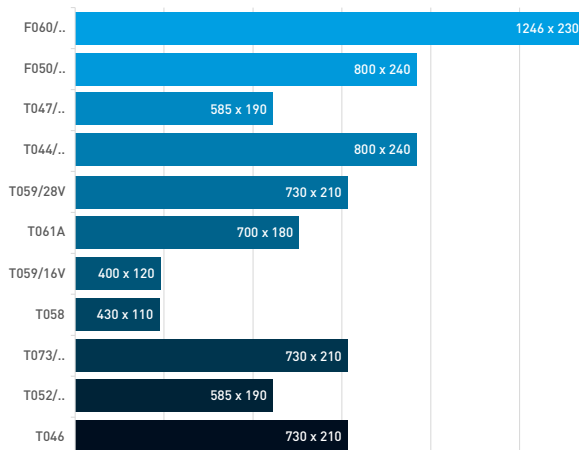
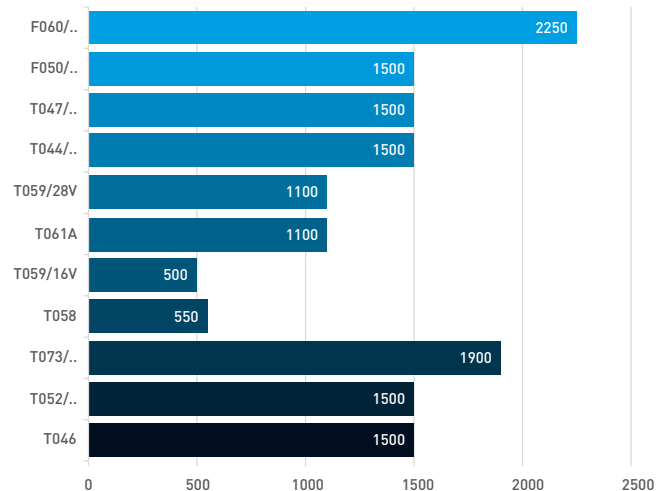


Table dimensions (mm)



Power (W)



F060I
INVERTER VERTICAL MILLING MACHINE

ISO 40, with automatic down feed, motorized cross table on all axes, 3 axis readout and japanese inverter.

INCLUDED ACCESSORIES

- Base with chip tank
- Refrigeration plant
- LED lamp
- Display for viewing the rotation speed
- 3-axis viewer
- Variable speed motorized axes with rapid function
- Round table flyers with neutral function
- Guide lubrication system with manual pump

| | |
|---|---|
| Face milling cutter max | 100 mm |
| End milling cutter max | 35 mm |
| Max drilling capacity on cast iron with pre-drilling hole | 60 mm |
| Max drilling capacity on steel with pre-drilling hole(s235jr) | 24 mm |
| Spindle nose Camlock | ISO 40 - DIN 2080 |
| Quill | 86 mm |
| Spindle travel | 127 mm |
| Head tilt left and right | ± 45° |
| Vertical head rotation | ± 90° |
| Head body rotation | ± 180° |
| Variable spindle speed | 60 ÷ 3600 rpm |
| Motor | 400 V 50 Hz 2.25 kW |
| Table movement motor | (X,Y) 400V 50 Hz 180 W (Z) 400V 50 Hz 100W |
| Cooling pump | 400V 50 Hz 90 W |
| Feed range | (3) 0.04 - 0.08 - 0.15 mm/rev |
| Surface speed | (X,Y) 42 - 76 - 164 - 262 mm/min (Z) 0 ÷ 457 mm/min |
| Distance between spindle nose and table | 45 - 395 mm |
| Distance spindle axis - column surface | 215-450 mm |
| Table dimensions | 1246 x 230 mm |
| Longitudinal axis | 850 mm |
| Cross axis | 310 mm |
| Slot | 16 mm |
| Maximum capacity | 400 kg |
| Dimensions | 1680 x 1500 x 2100 h mm |
| Net weight | 1000 kg |



F060V
VERTICAL MILLING MACHINE WITH MECHANICAL SPEED VARIATOR

Variable speed, ISO 40, with automatic down feed, motorized cross table on all axes, 3 axis readout.

INCLUDED ACCESSORIES

- Base with chip tray
- Coolant system
- LED Lamp
- Mechanical speed indicator
- 3 Axis DRO
- Variable speed motorized axes with rapid function
- Round table flyers with neutral function
- Guide lubrication system with manual pump

| | |
|---|---|
| Face milling cutter max | 100 mm |
| End milling cutter max | 35 mm |
| Max drilling capacity on cast iron with pre-drilling hole | 60 mm |
| Max drilling capacity on steel with pre-drilling hole(s235jr) | 24 mm |
| Spindle nose Camlock | ISO 40 - DIN 2080 |
| Quill | 86 mm |
| Spindle travel | 127 mm |
| Head tilt left and right | ± 45° |
| Vertical head rotation | ± 90° |
| Head body rotation | ± 180° |
| Vertical spindle speeds | (2) 60 ÷ 500 500 ÷ 3600 rpm |
| Motor | 400 V 50 Hz 2.25 kW |
| Table movement motor | (X,Y) 400V 50 Hz 180 W (Z) 400V 50 Hz 100W |
| Cooling pump | 400V 50 Hz 90 W |
| Feed range | (3) 0.04 - 0.08 - 0.15 mm/rev |
| Surface speed | (X,Y) 42 - 76 - 164 - 262 mm/min (Z) 0 ÷ 457 mm/min |
| Distance between spindle nose and table | 45 - 395 mm |
| Distance spindle axis - column surface | 215-450 mm |
| Table dimensions | 1246 x 230 mm |
| Longitudinal axis | 850 mm |
| Cross axis | 310 mm |
| Slot | 16 mm |
| Maximum capacity | 400 kg |
| Dimensions | 1680 x 1500 x 2100 h mm |
| Net weight | 1000 kg |




F060
VERTICAL MILLING MACHINE

ISO40, with automatic down feed, motorized cross table on all axes, 3 axis readout, belt gearbox.

INCLUDED ACCESSORIES

- Base with chip tank
- Coolant system
- LED Lamp
- 3 Axis DRO
- Variable speed motorized axes with rapid function
- Round table flyers with neutral function
- Guide lubrication system with manual pump

| | |
|--|---|
| Face milling cutter max | 100 mm |
| End milling cutter max | 35 mm |
| Max drilling capacity on cast iron with pre-drilling hole | 60 mm |
| Max drilling capacity on steel with pre-drilling holes(s235jr) | 24 mm |
| Spindle nose Camlock | ISO 40 - DIN 2080 |
| Quill | 86 mm |
| Spindle travel | 127 mm |
| Head tilt left and right | ± 45° |
| Vertical head rotation | ± 90° |
| Head body rotation | ± 180° |
| Vertical spindle speeds | [16] 80 ÷ 650 660 ÷ 5440 rpm |
| Motor | 400 V 50 Hz 2,25 kW |
| Table movement motor | [X,Y] 400V 50 Hz 180 W [Z] 400V 50 Hz 100W |
| Cooling pump | 400V 50 Hz 90 W |
| Feed range | [3] 0.04 - 0.08 - 0.15 mm/rev |
| Surface speed | [X,Y] 42 - 76 - 164 - 262 mm/min [Z] 0 ÷ 457 mm/min |
| Distance between spindle nose and table | 45 - 395 mm |
| Distance spindle axis - column surface | 215-450 mm |
| Table dimensions | 1246 x 230 mm |
| Longitudinal axis | 850 mm |
| Cross axis | 310 mm |
| Slot | 16 mm |
| Maximum capacity | 400 kg |
| Dimensions | 1680 x 1500 x 2100 h mm |
| Net weight | 1000 kg |


UPGRADE

F050U
UNIVERSAL MILLING MACHINE

Vertical and horizontal milling machine, ISO 40, motorized one axis cross table, 3 axis readout. Gear transmission for vertical spindle and belt transmission for horizontal spindle.

INCLUDED ACCESSORIES

- Base with chip tray
- Coolant system
- LED Lamp
- 3 Axis DRO
- Machine vise 160 mm
- ISO40 ER32 8 Pcs Collet Chuck Set
- Reduction Sleeve ISO40 MT 3
- Key Type Drill Chuck 3-16 mm B18
- Drill Arbor ISO40 B18
- Horizontal Milling Arbors 2 Pcs
- Draw Bars M16 ISO40 2 Pcs
- Motorized longitudinal axis with gears with quick movements
- Round table flyers with neutral function

| | |
|---|---------------------------|
| Face milling cutter max | 100 mm |
| End milling cutter max | 32 mm |
| Max drilling capacity on cast iron with pre-drilling hole | 50 mm |
| Max drilling capacity on steel with pre-drilling hole(s235jr) | 30 mm |
| Spindle nose Camlock | ISO40 DIN2080 |
| Quill | 90 mm |
| Spindle travel | 120 mm |
| Vertical head rotation | ± 45° |
| Head body rotation | ± 180° |
| Vertical spindle speeds | [8] 115 ÷ 1750 rpm |
| Horizontal spindle speeds | [9] 60 ÷ 1350 rpm |
| Motor | 400 V 50 Hz 0.85 - 1.5 kW |
| Table movement motor | 400V 50Hz 0.325 KW |
| Base dimensions | 510 x 900 mm |
| Cooling pump | 400V 50 Hz 0.4 KW |
| Distance between spindle nose and table | 60 - 360 mm |
| Distance spindle axis - column surface | 250 - 650 mm |
| Table dimensions | 800 x 240 mm |
| Longitudinal axis | 380 mm |
| Cross axis | 220 mm |
| Slot | 14 mm |
| Maximum capacity | 300 kg |
| Dimensions | 1380 x 1200 x 2100 h mm |
| Net weight | 930 kg |



F050I
INVERTER MILLING MACHINE

Japanese inverter, vertical milling machine, ISO 40, motorized one axis cross table, 3 axis readout.

INCLUDED ACCESSORIES

- Base with chip tray
- Coolant system
- LED Lamp
- 3 Axis DRO
- Machine vise 160 mm
- ISO40 ER32 8Pcs Collet Chuck Set
- Reduction Sleeve ISO40 MT3
- Key Type Drill Chuck 3-16 mm/B18
- Drill Arbor ISO40 B18
- Draw Bars M16 2 pcs
- Motorized longitudinal axis with gears with quick movements
- Round table flyers with neutral function

| | |
|---|--------------------|
| Face milling cutter max | 100 mm |
| End milling cutter max | 32 mm |
| Max drilling capacity on cast iron with pre-drilling hole | 50 mm |
| Max drilling capacity on steel with pre-drilling hole(s235jr) | 30 mm |
| Spindle nose Camlock | ISO40 DIN2080 |
| Quill | 90 mm |
| Spindle travel | 120 mm |
| Vertical head rotation | ± 180° |
| Head body rotation | ± 90° |
| Variable spindle speed | 100 ÷ 2000 rpm |
| Motor | 400 V 50 Hz 2,2 kW |
| Table movement motor | 400V 50Hz 0.325 KW |
| Base dimensions | 510 x 900 mm |
| Cooling pump | 400V 50 Hz 0.4 KW |
| Distance spindle axis - column surface | 60 - 360 mm |
| Distance between spindle nose and table | 250 - 650 mm |
| Table dimensions | 800 x 240 mm |
| Longitudinal axis | 380 mm |
| Cross axis | 220 mm |
| Slot | 16 mm |
| Maximum capacity | 300 kg |
| Dimensions | 1380 x 1200 x 2100 |
| Net weight | 930 kg |


F050
MILLING MACHINE

Vertical milling machine, ISO 40, motorized one axis cross table, 3 axis readout.

INCLUDED ACCESSORIES

- Base with chip tray
- Coolant system
- LED Lamp
- 3 Axis DRO
- Machine vise 160 mm
- ISO40 ER32 8Pcs Collet Chuck Set
- Reduction Sleeve ISO40 MT3
- Key Type Drill Chuck 3-16 mm/B18
- Drill Arbor ISO40 B18
- Draw Bars M16 ISO40 2 Pcs
- Motorized longitudinal axis with gears with quick movements
- Round table flyers with neutral function

| | |
|---|---------------------------|
| Face milling cutter max | 100 mm |
| End milling cutter max | 32 mm |
| Max drilling capacity on cast iron with pre-drilling hole | 50 mm |
| Max drilling capacity on steel with pre-drilling hole(s235jr) | 30 mm |
| Spindle nose Camlock | ISO40 DIN2080 |
| Quill | 90 mm |
| Spindle travel | 120 mm |
| Vertical head rotation | ± 45° |
| Head body rotation | ± 180° |
| Variable spindle speed | {8} 115 ÷ 1750 rpm |
| Motor | 400 V 50 Hz 0,85 - 1,5 kW |
| Table movement motor | 400V 50Hz 0.325 KW |
| Base dimensions | 510 x 900 mm |
| Cooling pump | 400V 50 Hz 0.4 KW |
| Distance between spindle nose and table | 60 - 360 mm |
| Distance spindle axis - column surface | 250 - 650 mm |
| Table dimensions | 800 x 240 mm |
| Longitudinal axis | 380 mm |
| Cross axis | 220 mm |
| Slot | 14 mm |
| Maximum capacity | 300 kg |
| Dimensions | 1380 x 1200 x 2100 |
| Net weight | 930 kg |



F050B
NEW
MILLING MACHINE

Vertical milling, ISO 40, motorized variable one axis cross table

INCLUDED ACCESSORIES

- Base with chip tray
- Coolant system
- LED Lamp
- ISO40 ER32 8Pcs Collet Chuck Set
- Reduction Sleeve ISO40 MT3
- Key Type Drill Chuck 3-16 mm/B18
- Drill Arbor ISO40 B18
- Draw Bar M16 ISO40 2 Pcs
- Variable speed motorized axis with rapid function
- Round table flyers with neutral function

| | |
|---|---------------------------|
| Face milling cutter max | 100 mm |
| End milling cutter max | 32 mm |
| Max drilling capacity on cast iron with pre-drilling hole | 50 mm |
| Max drilling capacity on steel with pre-drilling hole(s235jr) | 30 mm |
| Spindle nose Camlock | ISO40 DIN2080 |
| Quill | 90 mm |
| Spindle travel | 120 mm |
| Vertical head rotation | ± 45° |
| Head body rotation | ± 180° |
| Variable spindle speed | {8} 115 ÷ 1750 rpm |
| Motor | 400 V 50 Hz 0,85 - 1,5 kW |
| Table movement motor | 110V 50Hz 300W |
| Base dimensions | 510 x 900 mm |
| Cooling pump | 400 V 50 Hz 40W |
| Distance between spindle nose and table | 45 - 395 mm |
| Distance spindle axis - column surface | 215 - 450 mm |
| Table dimensions | 800 x 240 mm |
| Longitudinal axis | 380 mm |
| Cross axis | 220 mm |
| Slot | 14 mm |
| Maximum capacity | 400 Kg |
| Dimensions | 1680 x 1500 x 2100 h mm |
| Net weight | 1000 Kg |


T047/400VDA
GEARED MILLING DRILLING MACHINE

Reversible geared milling drilling machine, with automatic down feed, coolant system and reverse rotation.

INCLUDED ACCESSORIES

- Self-locking chuck 1 ÷ 16 B16
- Keyed chuck 1 ÷ 13 B16
- Drill chuck shank MT 4 B16
- Spindle taper shank MT 4 Ø 27 mm
- Reduction sleeve MT 4/3
- Reduction sleeve MT 3/2
- Oilers
- Tie rod M16
- Service keys

| | |
|---|----------------------------|
| Max drilling capacity on cast iron with pre-drilling hole | Ø 40 mm |
| Drilling capacity:Steel C60 | Ø 32 mm |
| Face milling cutter max | Ø 80 mm |
| End milling cutter max | Ø 25 mm |
| Tapping capacity | Ø 22 mm |
| Spindle taper | MT 4 |
| Spindle speed | {12} 75 ÷ 3200 rpm |
| Spindle travel | 130 mm |
| Spindle rotation | Dx - Sx |
| Quill | Ø 76 mm |
| Column | Ø 115 mm |
| Head tilt left and right | ± 60° |
| Manual vertical feed division | 0.02 mm |
| Feed range | {3} 0,1 - 0,18 - 0,26 mm/g |
| Distance between spindle nose and table | 715 mm |
| Distance spindle axis - column surface | 260 mm |
| Table dimensions | 585 x 190 mm |
| Table slots | 12 mm |
| Longitudinal travel | 360 mm |
| Cross travel | 250 mm |
| Longitudinal axis | 360 mm |
| Cross axis | 250 mm |
| Base dimensions | 648 x 412 mm |
| Base slot | 14 mm |
| Motor | 400 V 50 Hz 1,1 - 1,5 kW |
| Dimensions | 740 x 790 x 1960 h mm |
| Net weight | 365 kg |



T047/230V & T047/400V

GEARED MILLING DRILLING MACHINE

Reversible with coolant system and temporised tapping.

INCLUDED ACCESSORIES

- Self-locking chuck 1 ÷ 16 B16
- Keyed chuck 1 ÷ 13 B16
- Drill chuck shank MT 4 B16
- Spindle taper shank MT 4 Ø 27 mm
- Reduction sleeve MT 4/3
- Reduction sleeve MT 3/2
- Oilers
- Tie rod M16
- Service keys

| | |
|---|----------------------|
| Max drilling capacity on cast iron with pre-drilling hole | Ø 40 mm |
| Drilling capacity:Steel C60 | Ø 32 mm |
| Face milling cutter max | Ø 80 mm |
| End milling capacity | Ø 25 mm |
| Tapping capacity | Ø 22 mm |
| Spindle taper | MT 4 |
| Spindle speed | (6) 75 ÷ 1600 rpm |
| Spindle travel | 130 mm |
| Spindle rotation | Dx - Sx |
| Quill | Ø 76 mm |
| Column | Ø 115 mm |
| Head tilt left and right | ± 60° |
| Manual vertical feed division | 0.02 mm |
| Distance spindle axis - column surface | 260 mm |
| Distance between spindle nose and table | 715 mm |
| Table dimensions | 585 x 190 mm |
| Table slots | 12 mm |
| Longitudinal axis | 360 mm |
| Cross axis | 250 mm |
| Base dimensions | 648 x 412 mm |
| Base slot | 14 mm |
| Motor | 230 V 50 Hz 1,5 kW |
| Cooling pump | 230v 50 Hz 0.4 KW |
| Dimensions | 740 x 790 x 1960h mm |
| Net weight | 355 kg |



T044/230V & T044/400V

GEARED DRILLING MILLING MACHINE

Square column and dovetail guides, timed reversing, tapping.

INCLUDED ACCESSORIES

- Chuck with key 1 ÷ 16 B16
- Drill chuck shank MT 4 B16
- Spindle taper shank MT 4 Ø 27 mm
- Reduction sleeve MT 4/3
- Reduction sleeve MT 3/2
- Oilers
- Tie rod M16
- Service keys

| | |
|---|--------------------|
| Max drilling capacity on cast iron with pre-drilling hole | Ø 40 mm |
| Max drilling capacity on steel with pre-drilling hole(s235jr) | Ø 45 mm |
| Face milling cutter max | Ø 80 mm |
| End milling capacity | Ø 32 mm |
| Tapping capacity | Ø 22 mm |
| Spindle taper | MT 4 |
| Chuck sizes | 1 - 13 mm B16 |
| Spindle speed | (6) 95 ÷ 1600 rpm |
| Spindle travel | 120 mm |
| Spindle rotation | Dx - Sx |
| Quill | Ø 75 mm |
| Head tilt left and right | ± 60° |
| Manual vertical feed division | 0,02 mm |
| Distance spindle axis - column surface | 240 mm |
| Max distance spindle nose - table | 460 mm |
| Table dimensions | 800 x 240 mm |
| Slot | 14 mm |
| Longitudinal axis | 560 mm |
| Cross axis | 190 mm |
| Base dimensions | 405 x 630 mm |
| Motor | 230 V 50 Hz 1,5 kW |
| Net weight | 300 kg |



T059/28V
GEARED DRILLING MILLING MACHINE

Variable speed, with digital display of spindle speed and digital display of depth.

INCLUDED ACCESSORIES

- Drill chuck with key 3 ÷ 16 mm B16
- Spindle drilled MT 3
- Oilcan
- Draw bar M12
- Service wrenches



| | |
|--|---------------------|
| Max drilling capacity on steel with pre-drilling holes(s235jr) | Ø 28 mm |
| Face milling cutter max | Ø 63 mm |
| End milling capacity | Ø 28 mm |
| Spindle taper | MT 3 |
| Chuck sizes | 3 - 16 mm B16 |
| Spindle speed | 100 ÷ 2500 rpm ±10% |
| Spindle rotation | L - R |
| Spindle stroke | 70 mm |
| Quill | 70 mm |
| Headstock travel | 380 mm |
| Head tilt left and right | ±90° |
| Table dimensions | 730 x 210 mm |
| Slot | 14 mm |
| Longitudinal axis | 190 mm |
| Cross axis | 440 mm |
| Motor | 230 V 50 Hz 1,1 kW |
| Net weight | 270 kg |


T061A
GEARED DRILLING MILLING MACHINE

Variable speed, equipped with light system, chuck speed digital display, depth's digital display.

INCLUDED ACCESSORIES

- Drill chuck with key 1 ÷ 16 mm B16
- Drill chuck shank with hole MT 3
- Oilcan
- Draw bar M12
- Service wrenches



| | |
|--|---|
| Max drilling capacity on steel with pre-drilling holes(s235jr) | Ø 16 mm |
| Face milling cutter max | Ø 63 mm |
| End milling capacity | Ø 20 mm |
| Spindle taper | MT 3 |
| Chuck sizes | 1 - 16 mm B16 |
| Variable spindle speed | I 30 ÷ 1650 rpm ±10% II 2° 40 ÷ 2850 rpm ±10% |
| Spindle stroke | 50 mm |
| Spindle rotation | Dx - Sx |
| Quill | 60 mm |
| Headstock travel | 290 mm |
| Head tilt left and right | ±90° |
| Distance between spindle nose and table | 350 mm |
| Table dimensions | 700 x 180 mm |
| Slot | 12 mm |
| Longitudinal axis | 175 mm |
| Cross axis | 490 mm |
| Motor | 230 V 50 60 Hz 1,1 kW |
| Net weight | 120 kg |



T059/16V
GEARED DRILLING MILLING MACHINE

With variable speed.

INCLUDED ACCESSORIES

- Drill chuck with key 1 ÷ 13 mm B16
- Drill chuck shank with hole MT 2 B16
- Oilcan
- Draw bar M10
- Service wrenches



| | |
|---|--|
| Max drilling capacity on steel with pre-drilling hole(≤235jr) | Ø 16 mm |
| Face milling cutter max | Ø 50 mm |
| End milling capacity | Ø 16 mm |
| Spindle taper | MT 2 |
| Chuck sizes | 1 - 13 mm B16 |
| Spindle speed | I 100 ÷ 1500 rpm ±10% II 200 ÷ 3000 rpm ±10% |
| Spindle stroke | 50 mm |
| Spindle rotation | Dx |
| Headstock travel | 210 mm |
| Head tilt left and right | ±90° |
| Table dimensions | 400 x 120 mm |
| Slot | 10 mm |
| Longitudinal axis | 160 mm |
| Cross axis | 220 mm |
| Motor | 230 V 50 Hz 500 W |
| Net weight | 72 kg |


T058
GEARED DRILLING MILLING MACHINE

With variable speed.

INCLUDED ACCESSORIES

- Drill chuck with key 3 ÷ 16 mm B16
- Drill chuck shank with hole MT 3
- Oilcan
- Tie rod M12
- Service wrenches



| | |
|---|---|
| Max drilling capacity on steel with pre-drilling hole(≤235jr) | Ø 13 mm |
| Face milling cutter max | Ø 30 mm |
| End milling capacity | Ø 16 mm |
| Spindle taper | MT 3 |
| Chuck sizes | 3 - 16 mm B16 |
| Spindle speed | I 50 ÷ 1100 rpm ±10% II 120 ÷ 2500 rpm ±10% |
| Spindle rotation | Dx |
| Headstock travel | 210 mm |
| Head tilt left and right | ±45° |
| Table dimensions | 430 x 110 mm |
| Distance between spindle nose and table | 290 mm |
| Slot | 12 mm |
| Longitudinal axis | 130 mm |
| Cross axis | 250 mm |
| Motor | 230 V 50 Hz 0,55 kW |
| Net weight | 70 kg |



T073DA
FLOOR DRILLING MILLING MACHINE

With belt drive, down speed, reversible, cooling system.

INCLUDED ACCESSORIES

- Drill chuck with key 1 ÷ 13 mm B16
- Drill chuck shank MT 4 B16
- Spindle taper shank MT 4 Ø 27 mm
- Reduction sleeve MT 4/3
- Reduction sleeve MT 3/2
- Coolant system
- Tie rod M16
- Service keys

| | |
|---|-----------------------------|
| Max drilling capacity on cast iron with pre-drilling hole | 40 mm |
| Max drilling capacity on steel with pre-drilling hole(s235jr) | 32 mm |
| Face milling cutter max | 80 mm |
| End milling cutter max | 25 mm |
| Tapping capacity | 24 mm |
| Spindle taper | MT 4 |
| Chuck sizes | 1 - 13 mm B16 |
| Spindle speed | 100 - 2200 rpm |
| Spindle travel | 90 mm |
| Spindle rotation | Dx - Sx |
| Quill | 75 mm |
| Column | 123 mm |
| Manual vertical feed division | 0,05 mm |
| Feed range | {3} 0,05 - 0,1 - 0,2 mm/rev |
| Distance spindle axis - column surface | 300 mm |
| Distance between spindle nose and table | 125 ÷ 525 mm |
| Table dimensions | 730 x 210 mm |
| Slot | 14 mm |
| Longitudinal axis | 480 mm |
| Cross axis | 220 mm |
| Base dimensions | 470 x 680 mm |
| Motor | 400 V 50 Hz 1,1 / 1,9 kW |
| Cooling pump | 400 V 50 Hz 75 W |
| Dimensions | 850 x 1100 x 1900h mm |
| Net weight | 420 kg |


T073
FLOOR DRILLING MILLING MACHINE

With belt drive, reversible, cooling system.

INCLUDED ACCESSORIES

- Drill chuck with key 1 ÷ 13 mm B16
- Drill chuck shank MT 4 B16
- Spindle taper shank MT 4 Ø 27 mm
- Reduction sleeve MT 4/3
- Reduction sleeve MT 3/2
- Coolant system
- Tie rod M16
- Service keys

| | |
|---|------------------------|
| Max drilling capacity on cast iron with pre-drilling hole | 40 mm |
| Max drilling capacity on steel with pre-drilling hole(s235jr) | 32 mm |
| Face milling cutter max | 80 mm |
| End milling cutter max | 25 mm |
| Tapping capacity | 24 mm |
| Spindle taper | MT 4 |
| Chuck sizes | 1 - 13 mm B16 |
| Spindle speed | 100 - 2200 rpm |
| Spindle travel | 130 mm |
| Spindle rotation | Dx - Sx |
| Quill | 75 mm |
| Column | 123 mm |
| Manual vertical feed division | 0,05 mm |
| Distance spindle axis - column surface | 300 mm |
| Distance between spindle nose and table | 125 ÷ 525 mm |
| Table dimensions | 730 x 210 mm |
| Slot | 14 mm |
| Longitudinal axis | 480 mm |
| Cross axis | 220 mm |
| Base dimensions | 470 x 680 mm |
| Motor | 400 V 50 Hz 1,1/1,9 kW |
| Cooling pump | 400 V 50 Hz 75 W |
| Dimensions | 850 x 1100 x 1900h mm |
| Net weight | 410 kg |



T052/400VDA
FLOOR DRILLING MILLING MACHINE

With down feed, rotation selection and drive belt.

INCLUDED ACCESSORIES

- Drill chuck with key 1 ÷ 16 B16
- Spindle drilled MT 3
- Spindle taper shank MT 3 Ø 27 mm
- Reduction sleeve MT 3/2
- Coolant system
- Oilers
- Tie rod M12
- Service keys

| | |
|---|-------------------------|
| Max drilling capacity on steel with pre-drilling hole(s235jr) | 32 mm |
| Face milling cutter max | 80 mm |
| End milling cutter max | 20 mm |
| Spindle taper | MT 3 |
| Chuck sizes | 1 - 13 mm B16 |
| Spindle speed | 100 ÷ 2080 rpm |
| Spindle travel | 130 mm |
| Spindle rotation | Dx - Sx |
| Quill | 75 mm |
| Column | 115 mm |
| Headstock travel | 405 mm |
| Manual vertical feed division | 0,05 mm |
| Feed range | 0,12 - 0,18 - 0,25 mm/g |
| Distance spindle axis - column surface | 197 mm |
| Distance between spindle nose and table | 600 mm |
| Table dimensions | 585 x 190 mm |
| Slot | 12 mm |
| Longitudinal axis | 180 mm |
| Cross axis | 380 mm |
| Base dimensions | 470 x 670 mm |
| Motor | 400 V 50 Hz 1,5 kW |
| Cooling pump | 400v 50 Hz 0.4 KW |
| Dimensions | 928 x 910 x 1700h mm |
| Net weight | 310 kg |


T052/400V
FLOOR DRILLING MILLING MACHINE

With rotation selection and drive belt.

INCLUDED ACCESSORIES

- Drill chuck with key 1 ÷ 13 B16
- Spindle drilled MT 3 B16
- Reduction sleeve MT 3/2
- Coolant system
- Oilers
- Tie rod M12
- Service keys

| | |
|---|----------------------|
| Max drilling capacity on steel with pre-drilling hole(s235jr) | 32 mm |
| Face milling cutter max | 80 mm |
| End milling cutter max | 20 mm |
| Spindle taper | MT 3 |
| Chuck sizes | 1 - 13 mm B16 |
| Spindle speed | 100 ÷ 2080 rpm |
| Spindle travel | 130 mm |
| Spindle rotation | Dx - Sx |
| Column | 115 mm |
| Quill | 75 mm |
| Headstock travel | 405 mm |
| Manual vertical feed division | 0,05 mm |
| Distance spindle axis - column surface | 197 mm |
| Distance between spindle nose and table | 600 mm |
| Table dimensions | 585 x 190 mm |
| Slot | 12 mm |
| Longitudinal axis | 180 mm |
| Cross axis | 380 mm |
| Base dimensions | 470 x 670 mm |
| Motor | 400 V 50 Hz 1,5 kW |
| Cooling pump | 400v 50 Hz 0.4 KW |
| Dimensions | 928 x 910 x 1700h mm |
| Net weight | 300 kg |



T046
DRILLING MILLING MACHINE

With rotation selection and drive belt.

INCLUDED ACCESSORIES

- Drill chuck with key 1 ÷ 13 B16
- Spindle drilled MT 3 B16
- Spindle taper shank MT 3 Ø 27 mm
- Reduction sleeve MT 3/2
- Oilers
- Tie rod M12
- Service keys

| | |
|---|--------------------|
| Max drilling capacity on steel with pre-drilling hole(s235jr) | 32 mm |
| Face milling cutter max | 80 mm |
| End milling cutter max | 20 mm |
| Spindle taper | MT 3 |
| Chuck sizes | 1 - 13 mm B16 |
| Spindle speed | 100 ÷ 2080 rpm |
| Spindle travel | 130 mm |
| Spindle rotation | Dx - Sx |
| Quill | Ø 75 mm |
| Column | Ø 115 mm |
| Headstock travel | 405 mm |
| Manual vertical feed division | 0,05 mm |
| Distance spindle axis - column surface | 200 mm |
| Distance between spindle nose and table | 457 mm |
| Table dimensions | 730 x 210 mm |
| Slot | 14 mm |
| Longitudinal axis | 175 mm |
| Cross axis | 500 mm |
| Motor | 230 V 50 Hz 1,5 kW |
| Base dimensions | 400 x 600 mm |
| Net weight | 250 kg |


0599
UNIVERSAL BENCH FOR DRILLING MILLING MACHINES

With tool compartment and lock.



| | |
|----------------------------|---------------------|
| Base dimensions | 415 x 625 x 750h mm |
| Chip pan dimensions | 615 x 820 x 30h mm |
| Bottom Chip pan dimensions | 530 x 735 mm |
| Capacity | 400 kg |
| Net weight | 59 kg |

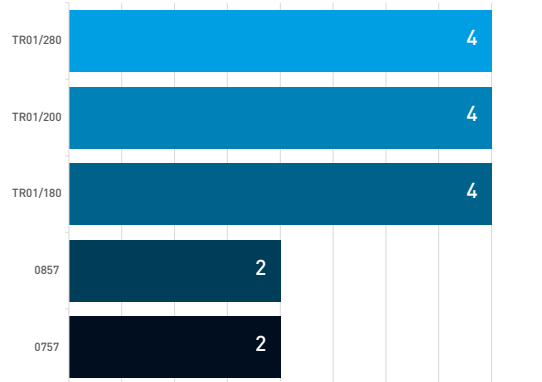
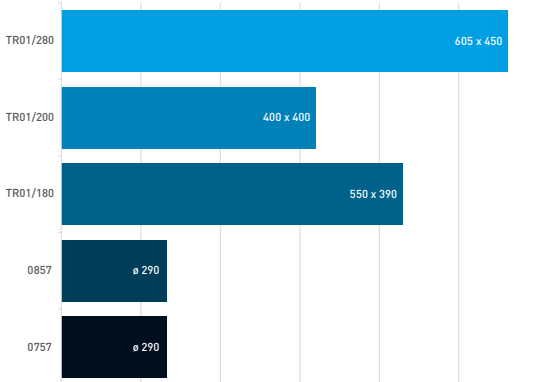


RADIAL DRILLING MACHINE



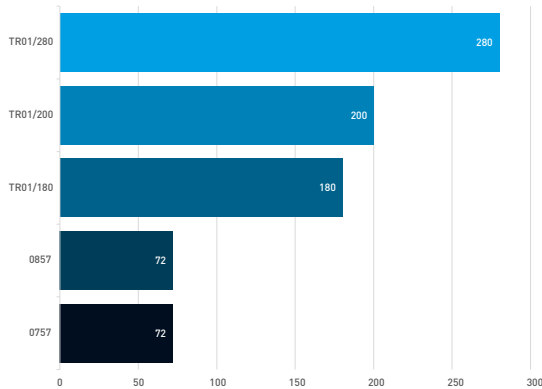
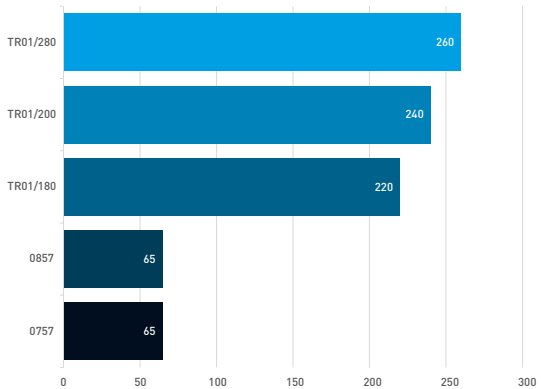
Table dimensions (mm)

MT



Spindle travel (mm)

Column diameter (mm)



TR01/280
RADIAL DRILLING MACHINE

Hydraulic locking between arm and column, reversible, with automatic feeding, coolant system, equipped with Led light. With gear speed change.

- 1 **Automatic ascent**
- 2 **Working lamp**
- 3 **Bloc**
- 4 **Automatic feeding**

INCLUDED ACCESSORIES

- Drill chuck with key 3 ÷ 13 mm B18
- Spindle drilled MT 4 B18
- Reduction sleeve MT 4/3
- Reduction sleeve MT 3/2
- LED Lamp
- Coolant system
- Base cube

| | |
|---|------------------------|
| Max drilling capacity on cast iron with pre-drilling hole | Ø 50 mm |
| Max drilling capacity on steel with pre-drilling hole(s235jr) | Ø 40 mm |
| Continuous drilling capacity | Ø 40 mm |
| Spindle taper | MT 4 |
| Chuck | |
| Spindle speed | (12) 40 ÷ 1896 rpm |
| Spindle travel | 260 mm |
| Quill | Ø 67 mm |
| Column | 280 mm |
| Distance spindle axis - column surface | 1370 mm |
| Distance between spindle nose and table | 840 mm |
| Distance between spindle nose and base | 1210 mm |
| Feed range | (4) 0.13 ÷ 0.54 mm/rev |
| Cube dimensions | 610 x 460 x 370 mm |
| Slot | 16 mm 20 mm |
| Base dimensions | 1960 x 800 mm |
| Motor | 400 V 50 Hz 3,0 kW |
| Lifting motor radial arm | 400 V 50 Hz 0,75 kW |
| Cooling pump | 400 V 50 Hz 90 W |
| Dimensions | 2050 x 820 x 2480 mm |
| Net weight | 2100 kg |



TR01/200
RADIAL DRILLING MACHINE

Reversible, with automatic feeding, coolant system, equipped with Led light. With gear speed change.

- 1** Automatic ascent
- 2** Working lamp
- 3** Bloc
- 4** Automatic feeding

INCLUDED ACCESSORIES

- Drill chuck with key 3 ÷ 13 mm B18
- Spindle drilled MT 4 B18
- Reduction sleeve MT 4/3
- Reduction sleeve MT 3/2
- LED Lamp
- Coolant system
- Base cube

| | |
|---|------------------------------|
| Max drilling capacity on cast iron with pre-drilling hole | 50 mm |
| Max drilling capacity on steel with pre-drilling hole(s235jr) | 40 mm |
| Continuous drilling capacity | 36 mm |
| Spindle taper | MT 4 |
| Chuck sizes | 3 ÷ 13 mm B18 |
| Spindle speed | (6) 75 ÷ 1220 rpm |
| Spindle travel | 240 mm |
| Quill | 70 mm |
| Column | 200 mm |
| Distance spindle axis - column surface | 1020 mm |
| Distance between spindle nose and table | 860 mm |
| Distance between spindle nose and base | 1210 mm |
| Feed range | (3) 0,1 - 0,16 - 0,25 mm/rev |
| Cube dimensions | 400 x 400 x 350 mm |
| Slot | 18 mm |
| Base dimensions | 1370 x 700 mm |
| Motor | 400 V 50 Hz 1,5 kW |
| Lifting motor radial arm | 400 V 50 Hz 0,75 kW |
| Cooling pump | 400 V 50 Hz 90 W |
| Dimensions | 1760 x 770 x 2100h mm |
| Net weight | 1250 kg |



TR01/180
RADIAL DRILLING MACHINE

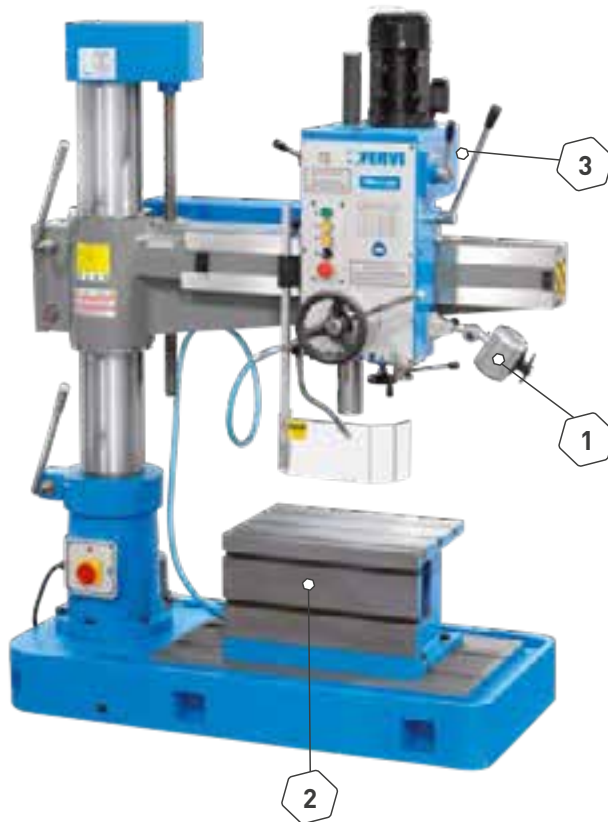
Reversible, with automatic feeding, coolant system, equipped with Led light. With gear speed change.

- 1 Working lamp
- 2 Bloc
- 3 Automatic feeding

INCLUDED ACCESSORIES

- Drill chuck with key 3 ÷ 16 mm B16
- Spindle drilled MT 4 B16
- Reduction sleeve MT 4/3
- LED Lamp
- Coolant system
- Base cube

| | |
|---|------------------------------|
| Max drilling capacity on cast iron with pre-drilling hole | 40 mm |
| Max drilling capacity on steel with pre-drilling hole(s235jr) | 32 mm |
| Continuous drilling capacity | 28 mm |
| Spindle taper | MT 4 |
| Chuck sizes | 3 ÷ 16 mm B16 |
| Spindle speed | {6} 75 ÷ 1220 rpm |
| Spindle travel | 220 mm |
| Quill | 65 mm |
| Column | 180 mm |
| Distance spindle axis - column surface | 350 ÷ 870 mm |
| Distance between spindle nose and table | 0 ÷ 640 mm |
| Distance between spindle nose and base | 310 ÷ 980 mm |
| Feed range | {3} 0,1 – 0,16 – 0,25 mm/rev |
| Cube dimensions | 550 x 390 x 350 mm |
| Slot | 18 mm |
| Base dimensions | 1300 x 650 mm |
| Motor | 400 V 50 Hz 1,5 kW |
| Lifting motor radial arm | 400V 50 Hz 0,55 kW |
| Cooling pump | 400V 50 Hz 0,40 kW |
| Dimensions | 1400 x 650 x 1900 h mm |
| Net weight | 1050 kg |



0857
RADIAL FLOOR DRILL PRESS WITH DRIVE BELT

Rotating and tilting table with double arm, tilting head, electrical system with separate 24V circuit for on-board machine controls.

INCLUDED ACCESSORIES

- Keyless chuck $\varnothing 16$ mm B16
- Chuck mount MT 2



| | |
|---|----------------------|
| Max drilling capacity on cast iron with pre-drilling hole | $\varnothing 20$ mm |
| Max drilling capacity on steel with pre-drilling hole(s235jr) | $\varnothing 16$ mm |
| Continuous drilling capacity | $\varnothing 12$ mm |
| Spindle taper | MT 2 |
| Chuck sizes | 1 - 16 mm B16 |
| Spindle speed | (12) 300 ÷ 2550 rpm |
| Spindle travel | 65 mm |
| Quill | $\varnothing 40$ mm |
| Column | $\varnothing 72$ mm |
| Sliding travel | 280 mm |
| Head tilt left and right | 90° L ; 45° R |
| Height | 1600 mm |
| Distance spindle axis - column surface | 375 mm |
| Distance between spindle nose and base | 1290 mm |
| Table dimensions | $\varnothing 290$ mm |
| Motor | 230 V 50 Hz 0,375 kW |
| Dimensions | 950 x 300 x 1600 mm |
| Net weight | 60 kg |


0757
RADIAL DRILL PRESS WITH DRIVE BELT

Rotating and tilting table with double arm, tilting head, electrical system with separate 24V circuit for on-board machine controls.

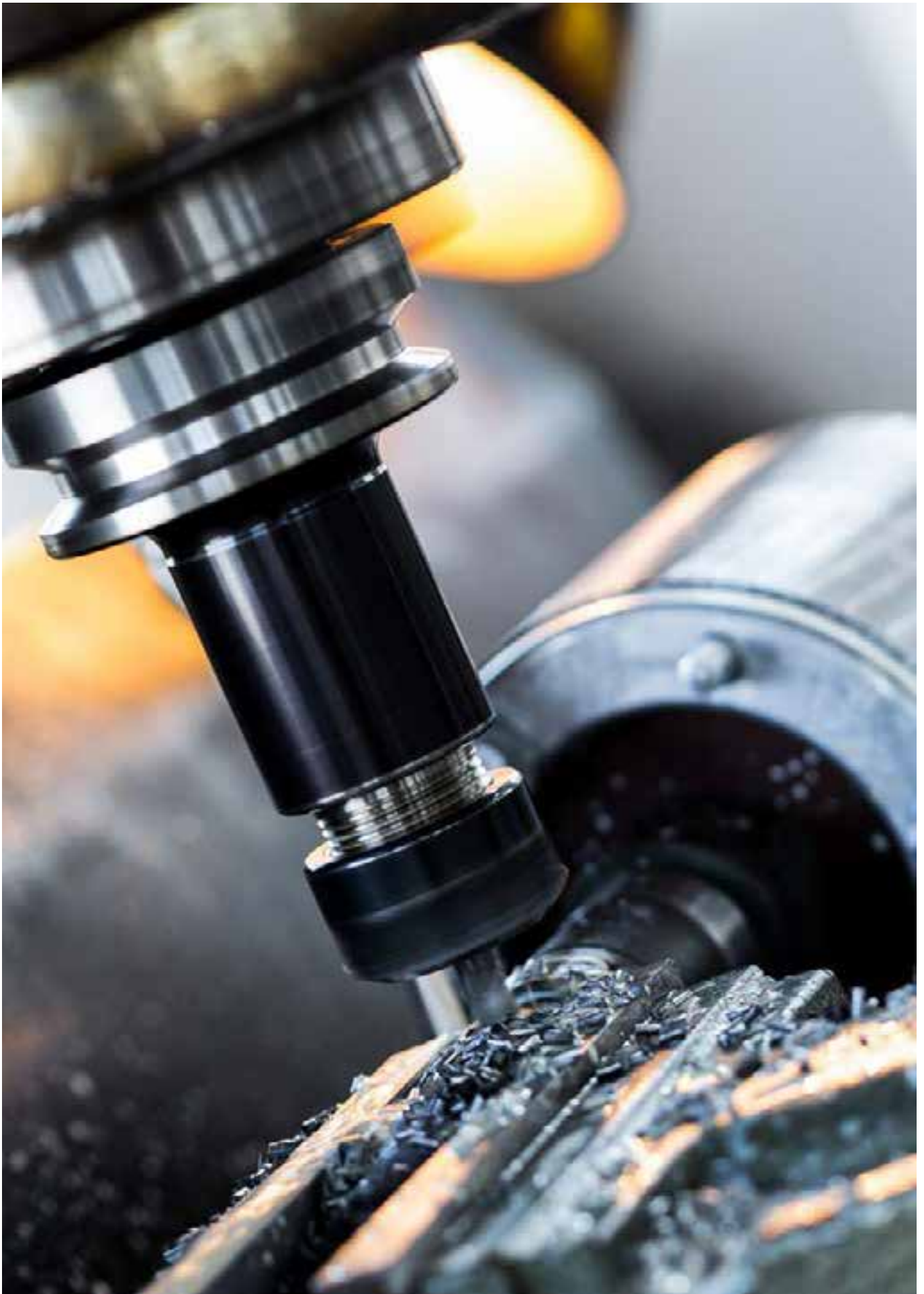
INCLUDED ACCESSORIES

- Keyless chuck 1 ÷ 16 B16
- Drill chuck shank MT 2



| | |
|---|-------------------------|
| Max drilling capacity on cast iron with pre-drilling hole | $\varnothing 20$ mm |
| Max drilling capacity on steel with pre-drilling hole(s235jr) | $\varnothing 16$ mm |
| Continuous drilling capacity | $\varnothing 12$ mm |
| Spindle taper | MT 2 |
| Chuck sizes | 2 - $\varnothing 16$ mm |
| Spindle speed | (12) 300 ÷ 2550 rpm |
| Spindle travel | 65 mm |
| Quill | $\varnothing 40$ mm |
| Column | $\varnothing 72$ mm |
| Sliding travel | 280 mm |
| Head tilt left and right | 90° L ; 45° R |
| Height | 810 mm |
| Distance spindle axis - column surface | 375 mm |
| Distance between spindle nose and base | 505 mm |
| Table dimensions | $\varnothing 290$ mm |
| Tilting table | $\pm 45^\circ$ |
| Motor | 230 V 50 Hz 0,375 kW |
| Dimensions | 950 x 300 x 810h mm |
| Net weight | 46 kg |





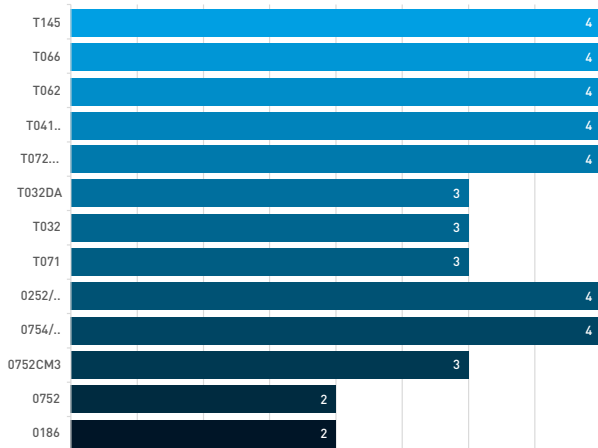
FLOOR DRILL PRESSES

T145**T066****T062****T041/..****T072...****T032DA****T032****T071****0252/...****0754/...****0752CM3****0752****0186**

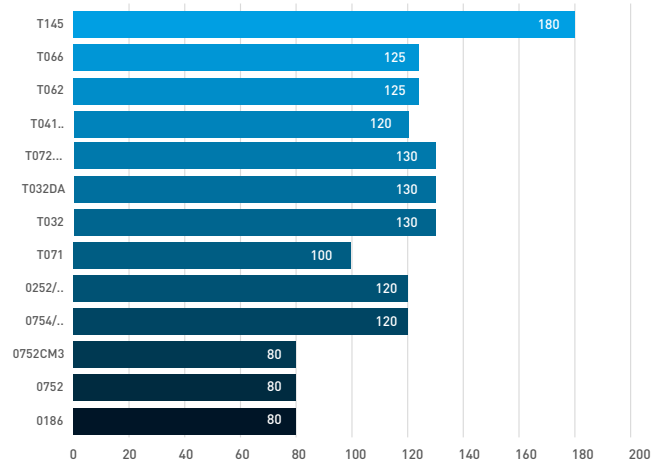


FLOOR DRILL PRESSES

MT



Spindle travel (mm)



Column diameter (mm)

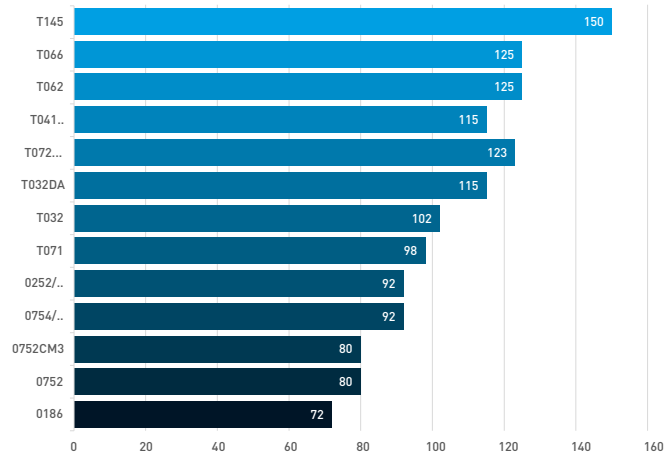
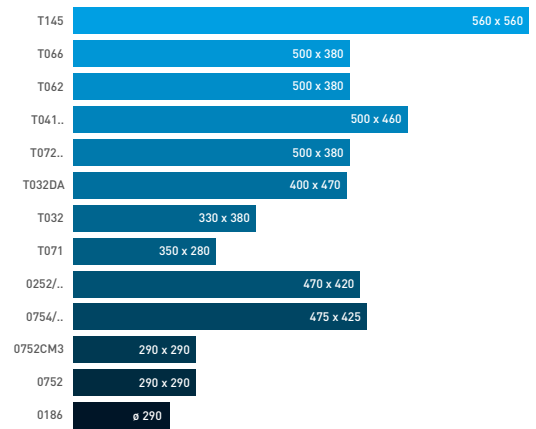


Table dimensions (mm)



T145
GEARED DRILLING MACHINE

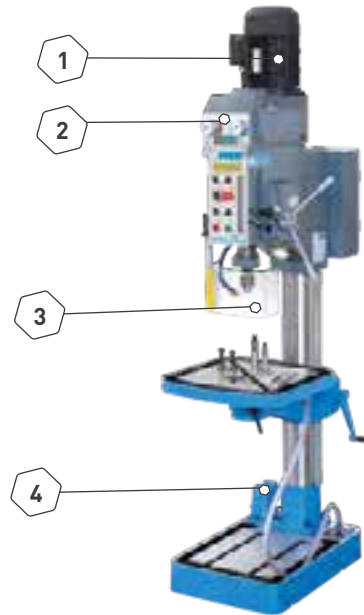
Reversible, with automatic feeding, coolant system and equipped with light, partially rotating table.

- 1** Induction motor
- 2** Gearbox levers
- 3** Chuck safeguard
- 4** Cooling pump

INCLUDED ACCESSORIES

- Key type drill chuck 1- 13 mm B16
- Drill chuck arbor MT4 B16
- Reduction sleeve MT 4/3
- Reduction sleeve MT 3/2

| | |
|---|--------------------------|
| Max drilling capacity on cast iron with pre-drilling hole | Ø 45 mm |
| Max drilling capacity on steel with pre-drilling hole(s235jr) | Ø 40 mm |
| Continuous drilling capacity | Ø 35 mm |
| Spindle taper | MT 4 |
| Chuck sizes | 1 ÷ 13 mm B16 |
| Spindle speed | (18) 50 ÷ 1450 rpm |
| Spindle travel | 180 mm |
| Spindle rotation | Dx - Sx |
| Quill | Ø 75 mm |
| Column | Ø 150 mm |
| Feed range | (2) 0,1 - 0,20 mm/g |
| Distance spindle axis - column surface | 350 mm |
| Distance between spindle nose and table | 780 mm |
| Distance between spindle nose and base | 1320 mm |
| Table dimensions | 560 x 560 mm |
| Slot | 18 mm |
| Tilting table | ±90° |
| Base dimensions | 500 x 730 mm |
| Motor | 400 V 50 Hz 1,5 / 2,4 kW |
| Cooling pump | 400 V 50 Hz 40 W |
| Dimensions | 935 x 530 x 2280 mm |
| Net weight | 550 kg |


T066
GEARED DRILLING MACHINE

Reversible, with automatic feeding, coolant system, reversible table with 145 mm vice included, equipped with light.

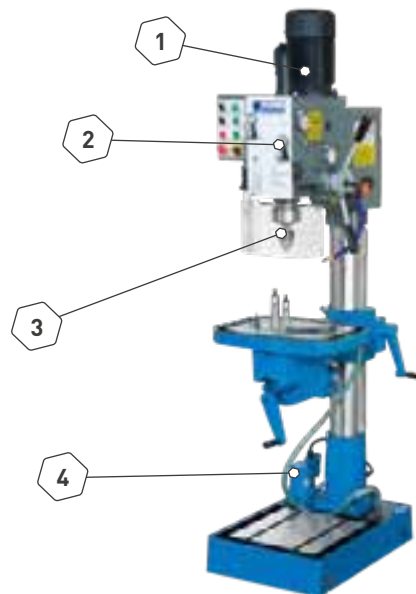
- 1** Induction motor
- 2** Gearbox levers
- 3** Chuck safeguard
- 4** Cooling pump

INCLUDED ACCESSORIES

- Drill chuck with key 1 ÷ 13 mm B16
- Spindle drilled MT 4 B16
- Reduction sleeve MT 4/3
- Reduction sleeve MT 3/2



| | |
|---|----------------------------|
| Max drilling capacity on cast iron with pre-drilling hole | Ø 40 mm |
| Max drilling capacity on steel with pre-drilling hole(s235jr) | Ø 35 mm |
| Continuous drilling capacity | Ø 30 mm |
| Spindle taper | MT 4 |
| Chuck sizes | 1 ÷ 13 mm B16 |
| Spindle speed | (12) 75 ÷ 3200 rpm |
| Spindle travel | 125 mm |
| Spindle rotation | Dx - Sx |
| Quill | Ø 75 mm |
| Column | Ø 125 mm |
| Feed range | (3) 0,1 - 0,18 - 0,26 mm/g |
| Distance spindle axis - column surface | 320 mm |
| Distance between spindle nose and table | 80-680 mm |
| Distance between spindle nose and base | 1140 mm |
| Table dimensions | 500 x 380 mm |
| Slot | 14 mm |
| Tilting table | ±90° |
| Vice | 125 mm |
| Base dimensions | 470 x 670 mm |
| Motor | 400 V 50 Hz 1,1/1,5 kW |
| Cooling pump | 400 V 50 Hz 75 W |
| Dimensions | 500 x 750 x 2000 mm |
| Net weight | 400 kg |



T062
GEARED DRILLING MACHINE

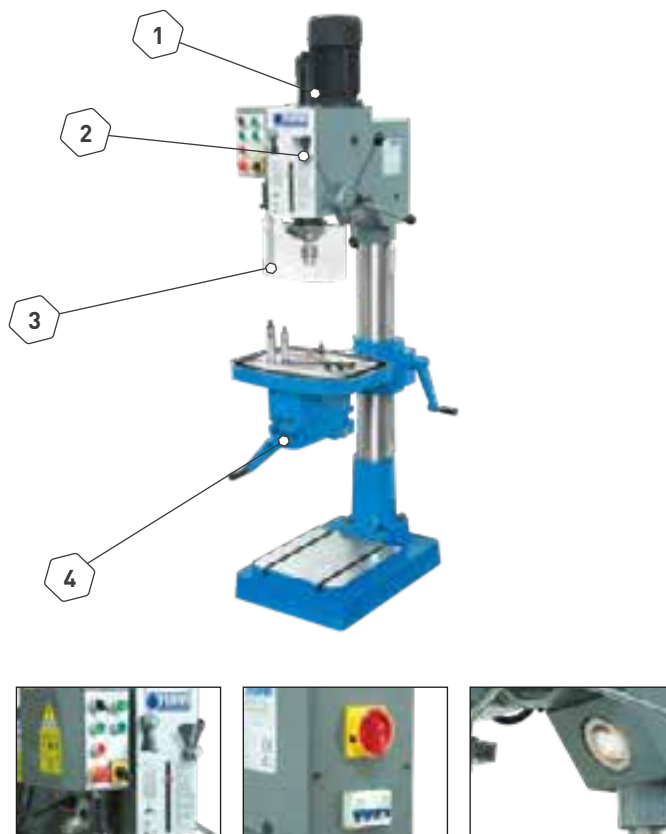
Reversible, table reversible with 145 mm vice, equipped with light.

- 1** Induction motor
- 2** Gearbox levers
- 3** Chuck safeguard
- 4** Tilting table with vice included

INCLUDED ACCESSORIES

- Drill chuck with key 1 ÷ 13 mm B16
- Spindle drilled MT 4 B16
- Reduction sleeve MT 4/3
- Reduction sleeve MT 3/2

| | |
|--|------------------------|
| Max drilling capacity on cast iron with pre-drilling hole | Ø 40 mm |
| Max drilling capacity on steel with pre-drilling holes(s235jr) | Ø 35 mm |
| Continuous drilling capacity | Ø 30 mm |
| Spindle taper | MT 4 |
| Chuck sizes | 1 ÷ 13 mm B16 |
| Spindle speed | (12) 75 ÷ 3200 rpm |
| Spindle travel | 125 mm |
| Spindle rotation | Dx - Sx |
| Quill | Ø 75 mm |
| Column | Ø 125 mm |
| Distance spindle axis - column surface | 320 mm |
| Distance between spindle nose and table | 80 ÷ 680 mm |
| Distance between spindle nose and base | 1140 mm |
| Table dimensions | 500 x 380 mm |
| Slot | 14 mm |
| Tilting table | ±90° |
| Vice | 125 mm |
| Base dimensions | 460 x 650 mm |
| Motor | 400 V 50 Hz 1,1/1,5 kW |
| Dimensions | 500 x 750 x 2000 mm |
| Net weight | 350 kg |


T041DA
GEARED DRILLING MACHINE

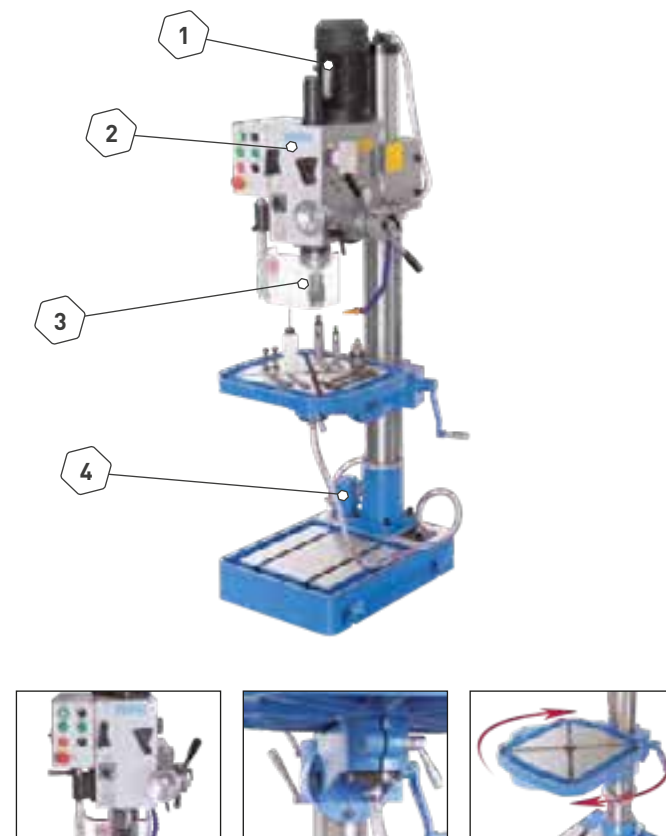
Reversible, tilting head, cooling system, timed tapping and automatic down feed, rotating table.

- 1** Induction motor
- 2** Gearbox levers
- 3** Chuck safeguard
- 4** Cooling pump

INCLUDED ACCESSORIES

- Keyless chuck 1 ÷ 16 B16
- Drill chuck shank MT 4
- Reduction sleeve MT 4/3
- Reduction sleeve MT 3/2

| | |
|--|----------------------------|
| Max drilling capacity on cast iron with pre-drilling hole | Ø 40 mm |
| Max drilling capacity on steel with pre-drilling holes(s235jr) | Ø 35 mm |
| Continuous drilling capacity | Ø 30 mm |
| Tapping capacity | 22 mm |
| Spindle taper | MT 4 |
| Chuck sizes | 1 ÷ 16 B16 |
| Spindle speed | (12) 75 ÷ 3200 rpm |
| Spindle travel | 120 mm |
| Spindle rotation | Dx - Sx |
| Head tilt left and right | ±60° |
| Quill | Ø 76 mm |
| Column | Ø 115 mm |
| Feed range | (3) 0,1 - 0,18 - 0,26 mm/g |
| Distance spindle axis - column surface | 297 mm |
| Distance between spindle nose and table | 715 mm |
| Distance between spindle nose and base | 1180 mm |
| Table dimensions | 500 x 460 mm |
| Slot | 14 mm |
| Base dimensions | 470 x 670 mm |
| Motor | 400 V 50 Hz 1,1/1,5 kW |
| Dimensions | 700 x 480 x 1850 mm |
| Net weight | 340 kg |



T041
GEARED DRILLING MACHINE

Reversible, tilting head and timed tapping, partially rotating table

1 Induction motor

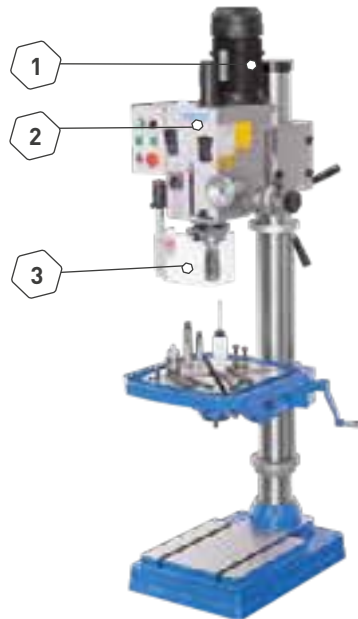
3 Included vice

2 Gearbox levers

INCLUDED ACCESSORIES

- Keyless chuck 1 ÷ 16 B16
- Drill chuck shank MT 4
- Reduction sleeve MT 4/3

| | |
|---|------------------------|
| Max drilling capacity on cast iron with pre-drilling hole | Ø 40 mm |
| Max drilling capacity on steel with pre-drilling hole(s235jr) | Ø 35 mm |
| Continuous drilling capacity | Ø 30 mm |
| Tapping capacity | 22 mm |
| Spindle taper | MT 4 |
| Chuck sizes | 1 ÷ 16 B16 |
| Spindle speed | (12) 75 ÷ 3200 rpm |
| Spindle travel | 120 mm |
| Spindle rotation | Dx - Sx |
| Head tilt left and right | ±60° |
| Quill | Ø 76 mm |
| Column | Ø 115 mm |
| Distance spindle axis - column surface | 297 mm |
| Distance between spindle nose and table | 715 mm |
| Distance between spindle nose and base | 1180 mm |
| Table dimensions | 500 x 460 mm |
| Slot | 14 mm |
| Base dimensions | 650 x 450 x 80 mm |
| Motor | 400 V 50 Hz 1,1/1,5 kW |
| Dimensions | 700 x 480 x 1820 mm |
| Net weight | 330 kg |


T072DA
FLOOR DRILLING MACHINE WITH DRIVE BELT

Reversible, with automatic feeding, coolant system, reversible table with 140 mm vice.

1 Induction motor

3 Tilting table with vice included

2 Chuck safeguard

INCLUDED ACCESSORIES

- Drill chuck with key 1 ÷ 13 mm B16
- Drill chuck shank MT 4 B16
- Morse taper reduction sleeve MT 4/3

| | |
|---|-----------------------------|
| Max drilling capacity on cast iron with pre-drilling hole | Ø 38 mm |
| Max drilling capacity on steel with pre-drilling hole(s235jr) | Ø 32 mm |
| Continuous drilling capacity | Ø 28 mm |
| Spindle taper | MT 4 |
| Chuck sizes | 1 ÷ 13 B16 |
| Spindle speed | 100 ÷ 2200 rpm |
| Spindle travel | 130 mm |
| Quill | 75 mm |
| Column | 123 mm |
| Manual vertical feed division | 0,05 mm |
| Feed range | (3) 0,05 - 0,1 - 0,2 mm/rev |
| Distance between spindle nose and table | 300 mm |
| Distance between spindle nose and base | 1220 mm |
| Table dimensions | 500 x 380 mm |
| Slot | 14 mm |
| Tilting table | ±90° |
| Vice | 125 mm |
| Base dimensions | 460 x 670 mm |
| Motor | 400 V 50 Hz 1,1/1,9 kW |
| Cooling pump | 400 V 50 Hz 75 W |
| Dimensions | 700 x 1100 x 1900 mm |
| Net weight | 385 kg |



T072
FLOOR DRILLING MACHINE WITH BELT DRIVE

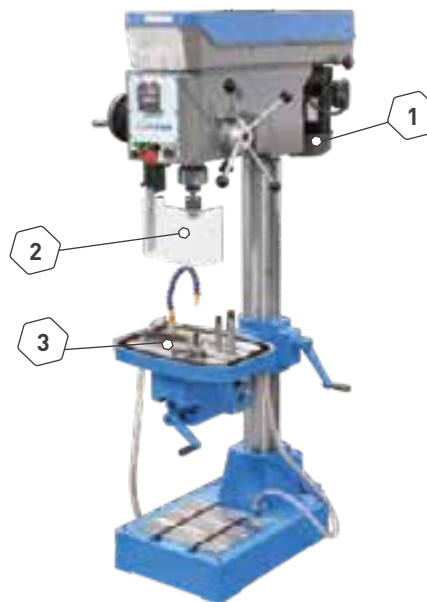
Reversible, table reversible with 140 mm vice, cooling system.

- 1 **Induction motor**
- 2 **Chuck safeguard**
- 3 **Tilting table with vice included**

INCLUDED ACCESSORIES

- Drill chuck with key 1 ÷ 13 mm B16
- Drill chuck shank MT 4 B16
- Morse taper reduction sleeve MT 4/3
- Morse taper reduction sleeve MT 3/2

| | |
|---|--------------------------|
| Max drilling capacity on cast iron with pre-drilling hole | Ø 38 mm |
| Drilling capacity:Steel C60 | Ø 32 mm |
| Continuous drilling capacity | Ø 28 mm |
| Spindle taper | MT 4 |
| Chuck sizes | 1 ÷ 13 mm B16 |
| Spindle speed | 100 - 2200 rpm |
| Spindle travel | 130 mm |
| Quill | 75 mm |
| Column | 123 mm |
| Manual vertical feed division | 0,05 mm |
| Distance spindle axis - column surface | 300 mm |
| Distance between spindle nose and table | 50 ÷ 800 mm |
| Distance between spindle nose and base | 1220 mm |
| Table dimensions | 500 x 380 mm |
| Slot | 14 mm |
| Tilting table | ±90° |
| Vice | 125 mm |
| Base dimensions | 610 x 670 mm |
| Motor | 400 V 50 Hz 1,1 - 1,9 kW |
| Cooling pump | 400 V 50 Hz 75 W |
| Dimensions | 700 x 1100 x 1900 mm |
| Net weight | 375 kg |


T032DA
FLOOR DRILL PRESS WITH DRIVE BELT

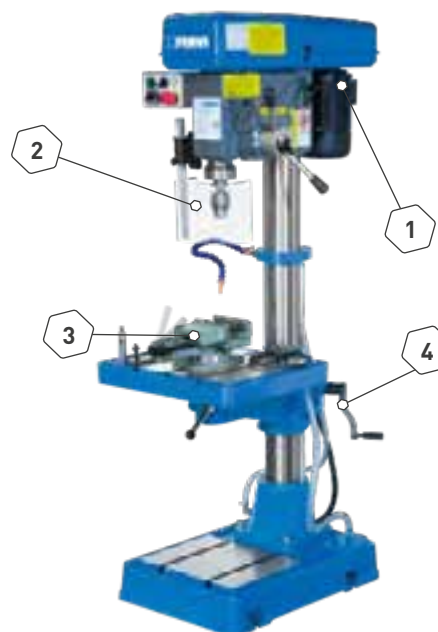
With autofee, coolant system, partially rotating table, with 125 mm vice.

- 1 **Induction motor**
- 2 **Chuck safeguard**
- 3 **Included vice**
- 4 **Adjustable table**

INCLUDED ACCESSORIES

- Drill chuck with key 1 ÷ 16 B18
- Spindle drilled MT 3
- Reduction sleeve MT 3/2

| | |
|---|------------------------------|
| Max drilling capacity on cast iron with pre-drilling hole | Ø 31,75 mm |
| Max drilling capacity on steel with pre-drilling hole(s235jr) | Ø 31,75 mm |
| Continuous drilling capacity | Ø 25 mm |
| Spindle taper | MT 3 |
| Chuck sizes | 1 ÷ 16 B18 |
| Spindle speed | (8) 160 ÷ 2200 rpm |
| Spindle travel | 130 mm |
| Column | Ø 115 mm |
| Feed range | 0,1 - 0,16 - 0,26 mm/giro |
| Distance spindle axis - column surface | 223 mm |
| Distance between spindle nose and table | 696 mm |
| Distance between spindle nose and base | 1135 mm |
| Table dimensions | 400 x 470 mm |
| Travel of table | 510 mm |
| Slot | 14 mm |
| Base dimensions | 400 x 310 mm |
| Motor | 400 V 50 Hz 0,85 kW / 1,1 kW |
| Cooling pump | 400 V 50 Hz 40 W |
| Dimensions | 900 x 545 x 1765 mm |
| Net weight | 340 kg |



T032
FLOOR DRILL PRESS WITH DRIVE BELT

Partially rotating table, with 125 mm vice.

- 1** Induction motor
- 2** Gearbox levers
- 3** Induction motor
- 4** Chuck safeguard

INCLUDED ACCESSORIES

- Drill chuck with key 1 ÷ 16 B18
- Spindle drilled MT 3
- Reduction sleeve MT 3/2

| | |
|---|---------------------|
| Max drilling capacity on cast iron with pre-drilling hole | Ø 31,75 mm |
| Max drilling capacity on steel with pre-drilling hole(s235jr) | Ø 31,75 mm |
| Spindle taper | MT 3 |
| Continuous drilling capacity | Ø 25 mm |
| Chuck sizes | 1 ÷ 16 B18 |
| Spindle speed | (9) 160 ÷ 1880 rpm |
| Spindle travel | 130 mm |
| Column | Ø 102 mm |
| Distance spindle axis - column surface | 230 mm |
| Distance between spindle nose and table | 700 mm |
| Distance between spindle nose and base | 1175 mm |
| Table dimensions | 330 x 380 mm |
| Travel of table | 670 mm |
| Slot | 14 mm |
| Base dimensions | 300 x 325 mm |
| Motor | 400V 50Hz 1,5 kW |
| Dimensions | 900 x 430 x 1760 mm |
| Net weight | 280 kg |


T071
FLOOR DRILLING MACHINE WITH DRIVE BELT

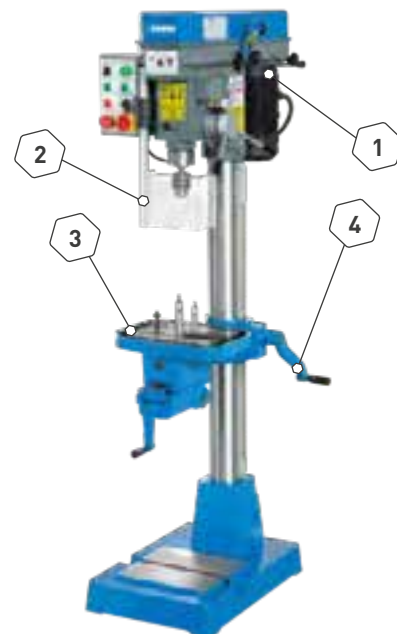
Reversible, with tapping function, reversible table with 120 mm vice.

- 1** Induction motor
- 2** Gearbox levers
- 3** Tilting table with vice included
- 4** Chuck safeguard

INCLUDED ACCESSORIES

- Drill chuck with key 1 ÷ 13 mm B16
- Drill chuck shank MT 3 B16
- Morse taper reduction sleeve MT 3/2
- Morse taper reduction sleeve MT 2/1

| | |
|---|------------------------|
| Max drilling capacity on cast iron with pre-drilling hole | Ø 30 mm |
| Max drilling capacity on steel with pre-drilling hole(s235jr) | Ø 28 mm |
| Continuous drilling capacity | Ø 25 mm |
| Spindle taper | MT 3 |
| Chuck sizes | 1 ÷ 16 mm B18 |
| Spindle speed | (16) 127 ÷ 2380 rpm |
| Spindle travel | 100 mm |
| Quill | Ø 62 mm |
| Column | Ø 98 mm |
| Distance spindle axis - column surface | 203 mm |
| Distance between spindle nose and table | 145-895 mm |
| Distance between spindle nose and base | 1200 mm |
| Table dimensions | 350 x 280 mm |
| Slot | 12 mm |
| Tilting table | ±90° |
| Vice | 90 mm |
| Base dimensions | 410 x 560 mm |
| Motor | 400 V 50 Hz 0,5 / 1 kW |
| Dimensions | 530 x 820 x 1700 mm |
| Net weight | 200 kg |



0252/230V & 0252/400V
FLOOR DRILL PRESS WITH DRIVE BELT

New belt tension device, reversible table with integrated sliding vice, drilling depth readout, Led light included.

- 1 Working light
- 2 Table lifting wheel
- 3 Casted head
- 4 Tilting base with integrated sliding vice

INCLUDED ACCESSORIES

- Keyless chuck 1 ÷ 16 B18
- Drill chuck shank MT 4

| | |
|---|---------------------|
| Max drilling capacity on cast iron with pre-drilling hole | Ø 32 mm |
| Max drilling capacity on steel with pre-drilling hole(s235jr) | Ø 28 mm |
| Continuous drilling capacity | Ø 20 mm |
| Spindle taper | MT 4 |
| Chuck sizes | 1 - 16 mm B18 |
| Spindle speed | (12) 150 ÷ 2450 rpm |
| Spindle travel | 120 mm |
| Quill | ø 62 mm |
| Column | ø 92 mm |
| Height | 1720 mm |
| Distance spindle axis - column surface | 255 mm |
| Distance between spindle nose and table | 700 mm |
| Table dimensions | 460 x 425 mm |
| Distance between spindle nose and base | 1220 mm |
| Slot | 14 mm |
| Vice | 210 x 165 mm |
| Motor | 230 V 50 Hz 1,5 kW |
| Net weight | 135 kg |


0754/230V & 0754/400V
FLOOR DRILL PRESS WITH DRIVE BELT

Inclination table. Electrical system with separate 24V circuit for on-board machine controls.

- 1 Induction motor
- 2 Table lifting wheel
- 3 Casted head
- 4 Tilting base

INCLUDED ACCESSORIES

- Keyless chuck 5 - 20 mm B22
- Drill chuck shank MT 4

| | |
|---|---------------------|
| Max drilling capacity on cast iron with pre-drilling hole | Ø 32 mm |
| Max drilling capacity on steel with pre-drilling hole(s235jr) | Ø 28 mm |
| Continuous drilling capacity | Ø 20 mm |
| Spindle taper | MT 4 |
| Chuck sizes | 5 - 20 mm B22 |
| Spindle speed | (12) 150 ÷ 2450 rpm |
| Spindle travel | 120 mm |
| Quill | ø 62 mm |
| Column | ø 92 mm |
| Height | 1710 mm |
| Distance spindle axis - column surface | 260 mm |
| Table dimensions | 460 x 425 mm |
| Slot | 14 mm |
| Tilting table | ± 45° |
| Motor | 230 V 50 Hz 1,5 kW |
| Net weight | 125 kg |



0752CM3
FLOOR DRILL PRESS WITH DRIVE BELT

Rotating and inclinable table. Electrical system with separate 24V circuit for on-board machine controls.

INCLUDED ACCESSORIES

- Keyless chuck 1 ÷ 16 B18
- Drill chuck shank MT 3
- Cones remover
- Allen keys



| | |
|---|----------------------|
| Max drilling capacity on cast iron with pre-drilling hole | Ø 25 mm |
| Max drilling capacity on steel with pre-drilling hole(s235jr) | Ø 20 mm |
| Continuous drilling capacity | Ø 16 mm |
| Spindle taper | MT 3 |
| Chuck sizes | 1 - 16 mm B18 |
| Spindle speed | (16) 220 ÷ 2840 rpm |
| Spindle travel | 80 mm |
| Quill | Ø 47 mm |
| Column | Ø 80 mm |
| Height | 1630 mm |
| Distance spindle axis - column surface | 175 mm |
| Distance between spindle nose and table | 420 mm |
| Distance between spindle nose and base | 1190 mm |
| Table dimensions | 290 x 290 mm |
| Slot | 16 mm |
| Tilting table | ± 45° |
| Turning table | Yes |
| Base dimensions | 460 x 275 mm |
| Motor | 230 V 50 Hz 0,75 kW |
| Dimensions | 300 X 630 X 1630h mm |
| Net weight | 62 kg |

0752
VERSION MT2 Ø 16 mm

0186
FLOOR DRILL PRESS WITH DRIVE BELT

Inclinable and rotating table. Electrical system with separate 24V circuit for on-board machine controls.

INCLUDED ACCESSORIES

- Keyless chuck 1 ÷ 16 B16
- Drill chuck shank MT 2



| | |
|---|---------------------|
| Max drilling capacity on cast iron with pre-drilling hole | Ø 20 mm |
| Max drilling capacity on steel with pre-drilling hole(s235jr) | Ø 16 mm |
| Continuous drilling capacity | Ø 12 mm |
| Spindle taper | MT 2 |
| Chuck sizes | 1 - 16 mm B16 |
| Spindle speed | (12) 280 ÷ 2380 rpm |
| Spindle travel | 80 mm |
| Quill | Ø 40 mm |
| Column | Ø 72 mm |
| Height | 1580 mm |
| Distance spindle axis - column surface | 160 mm |
| Distance between spindle nose and base | 1110 mm |
| Table dimensions | Ø 290 mm |
| Tilting table | ± 45° |
| Motor | 230 V 50 Hz 0,65 kW |
| Net weight | 50 kg |



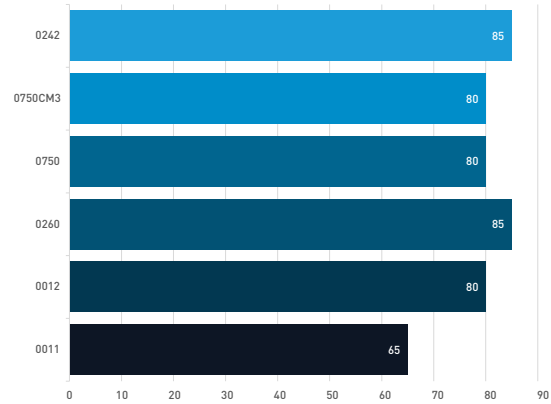


BENCH DRILL PRESSES



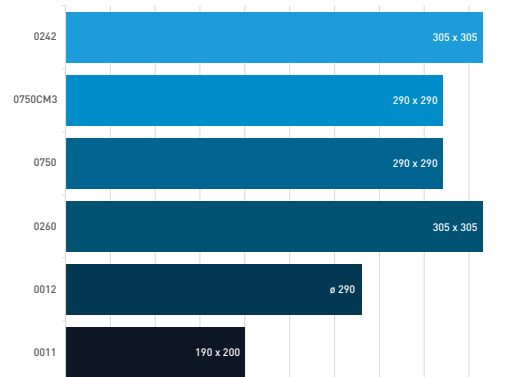
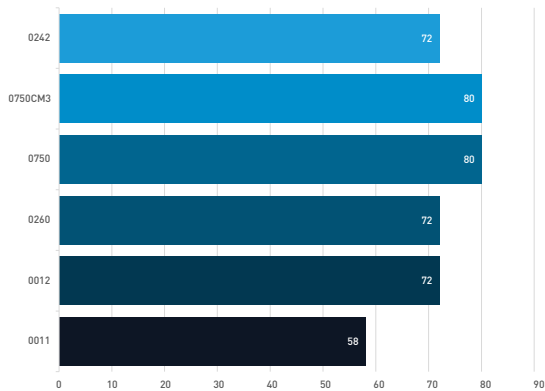
MT

Spindle travel (mm)



Column diameter (mm)

Table dimensions (mm)



0242
DRILL PRESS WITH DRIVE BELT

New belt tension device, drilling depth readout, Led light included, rotating and inclinable table. Electrical system with separate 24V circuit for on-board machine controls.

- 1 Induction motor
- 2 Table lifting wheel
- 3 Working lamp
- 4 Tilting base

INCLUDED ACCESSORIES

- Keyless chuck 1 ÷ 16 B18
- Drill chuck shank MT 2

| | |
|---|---------------------|
| Max drilling capacity on cast iron with pre-drilling hole | Ø 25 mm |
| Max drilling capacity on steel with pre-drilling hole(s235jr) | Ø 20 mm |
| Continuous drilling capacity | Ø 16 mm |
| Spindle taper | MT 2 |
| Chuck sizes | 1 - 16 mm B18 |
| Spindle speed | (16) 180 ÷ 2770 rpm |
| Spindle travel | 85 mm |
| Quill | ø 47 mm |
| Column | ø 72 mm |
| Height | 990 mm |
| Distance spindle axis - column surface | 180 mm |
| Distance between spindle nose and table | 420 mm |
| Distance between spindle nose and base | 600 mm |
| Table dimensions | 305 x 305 mm |
| Slot | 16 mm |
| Tilting table | ± 45° |
| Motor | 230 V 50 Hz 0,75 kW |
| Net weight | 60 kg |


0750CM3
DRILL PRESS WITH DRIVE BELT

Rotating and inclinable table. Electrical system with separate 24V circuit for on-board machine controls.

- 1 Induction motor
- 2 Table lifting wheel
- 3 Tilting base

INCLUDED ACCESSORIES

- Keyless chuck 1 ÷ 16 B18
- Drill chuck shank MT 3
- Cones remover
- Allen keys

| | |
|---|---------------------|
| Max drilling capacity on cast iron with pre-drilling hole | Ø 25 mm |
| Max drilling capacity on steel with pre-drilling hole(s235jr) | Ø 20 mm |
| Continuous drilling capacity | Ø 16 mm |
| Spindle taper | MT 3 |
| Chuck sizes | 1 - 16 mm B18 |
| Spindle speed | (16) 220 ÷ 2840 rpm |
| Spindle travel | 80 mm |
| Quill | Ø 47 mm |
| Column | Ø 80 mm |
| Height | 990 mm |
| Distance spindle axis - column surface | 175 mm |
| Distance between spindle nose and table | 420 mm |
| Distance between spindle nose and base | 600 mm |
| Table dimensions | 290 x 290 mm |
| Slot | 14 mm |
| Tilting table | ± 45° |
| Turning table | Yes |
| Base dimensions | 460 x 275 mm |
| Motor | 230 V 50 Hz 0,75 kW |
| Dimensions | 300 X 630 X 990h mm |
| Net weight | 57 kg |

0750
VERSION MT2 Ø 16 mm


0260
DRILL PRESS WITH DRIVE BELT

New belt tension device, drilling depth readout, Led light included, rotating and inclinable table. Electrical system with separate 24V circuit for on-board machine controls.

- 1 **Induction motor**
- 2 **Table lifting wheel**
- 3 **Working lamp**
- 4 **Tilting and swivel base**

INCLUDED ACCESSORIES

- Keyless chuck 1 ÷ 13 B16
- Drill chuck shank MT 2

| | |
|---|---------------------|
| Max drilling capacity on cast iron with pre-drilling hole | ø 20 mm |
| Max drilling capacity on steel with pre-drilling hole(s235jr) | Ø 16 mm |
| Continuous drilling capacity | Ø 12 mm |
| Spindle taper | MT 2 |
| Chuck sizes | 1 - 13 mm B16 |
| Spindle speed | (16) 180 ÷ 2770 rpm |
| Spindle travel | 85 mm |
| Quill | ø 40 mm |
| Column | ø 72 mm |
| Height | 980 mm |
| Distance spindle axis - column surface | 160 mm |
| Distance between spindle nose and table | 435 mm |
| Distance between spindle nose and base | 625 mm |
| Table dimensions | 305 x 305 mm |
| Slot | 16 mm |
| Tilting table | ± 45° |
| Motor | 230 V 50 Hz 0,55 kW |
| Net weight | 50 kg |


0012
DRILL PRESS WITH DRIVE BELT

Inclinable and rotating table. Electrical system with separate 24V circuit for on-board machine controls.

- 1 **Induction motor**
- 2 **Table lifting wheel**
- 3 **Casted head**
- 4 **Tilting and swivel base**

INCLUDED ACCESSORIES

- Keyless chuck 1 - 16 mm B16
- Drill chuck arbor MT 2 B16

| | |
|---|---------------------|
| Max drilling capacity on cast iron with pre-drilling hole | Ø 20 mm |
| Max drilling capacity on steel with pre-drilling hole(s235jr) | Ø 16 mm |
| Continuous drilling capacity | Ø 12 mm |
| Chuck sizes | 1 - 16 mm B16 |
| Spindle speed | (12) 280 ÷ 2380 rpm |
| Spindle travel | 80 mm |
| Quill | ø 40 mm |
| Column | ø 72 mm |
| Height | 990 mm |
| Distance spindle axis - column surface | 160 mm |
| Distance between spindle nose and table | 435 mm |
| Distance between spindle nose and base | 650 mm |
| Table dimensions | ø 290 mm |
| Motor | 230 V 50 Hz 0,65 kW |
| Net weight | 48 kg |





0011

DRILL PRESS WITH DRIVE BELT

Vertical movement of the table with rack, tilting table. Electrical system with separate 24V circuit for on-board machine controls.

INCLUDED ACCESSORIES

- Keyless chuck 1 - 13 mm B16



| | |
|---|----------------------|
| Max drilling capacity on cast iron with pre-drilling hole | Ø 13 mm |
| Max drilling capacity on steel with pre-drilling hole(s)235jr | Ø 10 mm |
| Chuck sizes | 1 - 13 mm B16 |
| Spindle speed | (5) 620 ÷ 2620 rpm |
| Spindle travel | 65 mm |
| Quill | ø 40 mm |
| Column | ø 58 mm |
| Height | 690 mm |
| Distance spindle axis - column surface | 130 mm |
| Distance between spindle nose and base | 330 mm |
| Table dimensions | 190 x 200 mm |
| Tilting table | ± 45° |
| Motor | 230 V 50 Hz 0,375 kW |
| Dimensions | 315 x 530 x 690h mm |
| Net weight | 25 kg |



0518/20
MAGNETIC DRILL

With coolant system for core drills until 20 mm with weldon shank \varnothing 19.05 mm and straight shank drills until \varnothing 20 mm with reduced shank \varnothing 13 mm.



| | |
|------------------------------|-------------------------------|
| Continuous drilling capacity | \varnothing 20 mm |
| Key chuck | \varnothing 13 mm |
| Arbor | Weldon \varnothing 19,05 mm |
| Spindle travel | 165 mm |
| Max working capacity | \varnothing 20 mm |
| Max. magnetic force | 8500 N |
| Spindle speed | 650 rpm |
| Motor | 230 V 50 Hz 0.9 kW |
| Dimensions | 300 x 260 x 450 mm |
| BMC | 442 x 395 x 175 mm |
| Net weight | 15 kg |

0518/30
MAGNETIC DRILL

With coolant system for core drills until 30 mm with weldon shank \varnothing 19.05 mm and straight shank drills until \varnothing 20 mm with reduced shank \varnothing 13 - 16 mm.



| | |
|------------------------------|-------------------------------|
| Continuous drilling capacity | \varnothing 20 mm |
| Key chuck | \varnothing 16 mm |
| Arbor | Weldon \varnothing 19,05 mm |
| Spindle travel | 175 mm |
| Max working capacity | \varnothing 30 mm |
| Max. magnetic force | 11000 N |
| Spindle speed | 450 rpm |
| Base dimensions | 170 x 90 mm |
| Motor | 230 V 50 Hz 1.1 kW |
| Dimensions | 360 x 280 x 490 mm |
| BMC | 527 x 472 x 242 mm |
| Net weight | 23 kg |

0518/50
MAGNETIC DRILL

With coolant system for core drills until 50 mm with weldon shank \varnothing 19.05 mm, morse taper shank drills mt 3 and straight shank drills until \varnothing 20 mm with reduced shank \varnothing 13 - 16 mm.



| | |
|------------------------------|-------------------------------|
| Continuous drilling capacity | \varnothing 20 mm |
| Key chuck | \varnothing 16 mm |
| Spindle taper MT | 3 |
| Arbor | Weldon \varnothing 19,05 mm |
| Spindle travel | 220 mm |
| Max working capacity | \varnothing 50 mm |
| Max. magnetic force | 15000 N |
| Spindle speed | 400 - 600 rpm |
| Base dimensions | 205 x 110 mm |
| Motor | 230 V 50 Hz 1.5 kW |
| Dimensions | 400 x 310 x 475 mm |
| BMC | 587 x 489 x 265 mm |
| Net weight | 35 kg |

0518/38M
MAGNETIC TAPPING/DRILL

With coolant system for core drills until 38 mm with weldon shank \varnothing 19.05 mm and conical drill bits until \varnothing 20 mm. Tapping capacity M4 - M16.

| | |
|------------------------------|-------------------------------|
| Continuous drilling capacity | \varnothing 20 mm |
| Spindle taper MT | 2 |
| Arbor | Weldon \varnothing 19,05 mm |
| Spindle travel | 180 mm |
| Max working capacity | \varnothing 38 mm |
| Tapping capacity | M4 ÷ M16 |
| Max. magnetic force | 12000 N |
| Spindle speed | 0 ÷ 500 0 ÷ 800 rpm |
| Motor | 230 V 50 Hz 1.05 kW |
| Base dimensions | 205 x 105 mm |
| Dimensions | 280 x 320 x 510h mm |
| Net weight | 20 kg |


0518/55H
HORIZONTAL MAGNETIC DRILL

For core drills until 55 mm with weldon shank \varnothing 19.05 mm.

| | |
|----------------------|-------------------------------|
| Arbor | Weldon \varnothing 19,05 mm |
| Spindle travel | 55 mm |
| Max working capacity | \varnothing 55 mm |
| Max. magnetic force | 15500 N |
| Spindle speed | 640 rpm |
| Motor | 230 V 50 Hz 1,9 kW |
| Base dimensions | 165 x 80 mm |
| Dimensions | 290 x 170 x 185 h mm |
| BMC | 400 x 335 x 165 mm |
| Net weight | 8.5 kg |


0518/80
MAGNETIC DRILL

With coolant system for core drills until 80 mm with weldon shank \varnothing 19.05 mm, morse taper shank drills mt 3 and straight shank drills until \varnothing 20 mm with reduced shank \varnothing 13 - 16 mm.

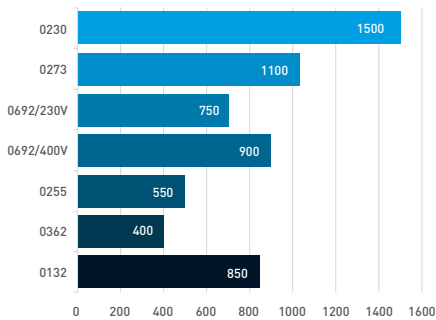
| | |
|------------------------------|-------------------------------|
| Continuous drilling capacity | \varnothing 20 mm |
| Spindle taper MT | 3 |
| Arbor | Weldon \varnothing 19,05 mm |
| Spindle travel | 280 mm |
| Max. magnetic force | 20000 N |
| Spindle speed | 230 ÷ 770 rpm |
| Motor | 230 V 50 Hz 1.8 kW |
| Base dimensions | 215 x 110 mm |
| Dimensions | 290 x 410 x 550h mm |
| Net weight | 35 kg |



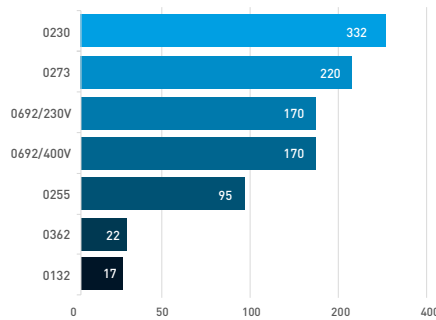
CUTTING BAND SAWS



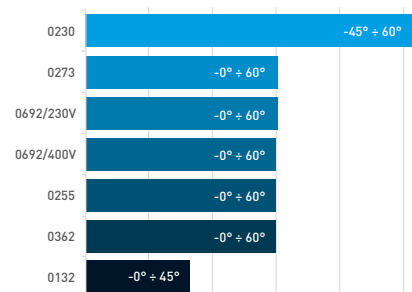
Power (kW)



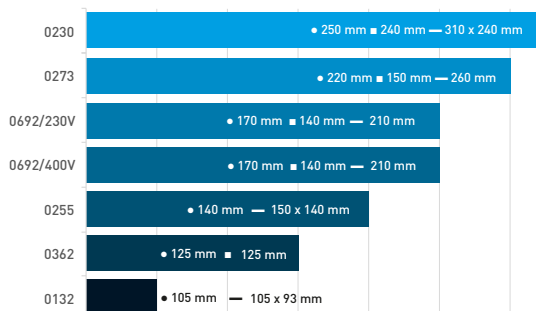
Net weight (Kg)



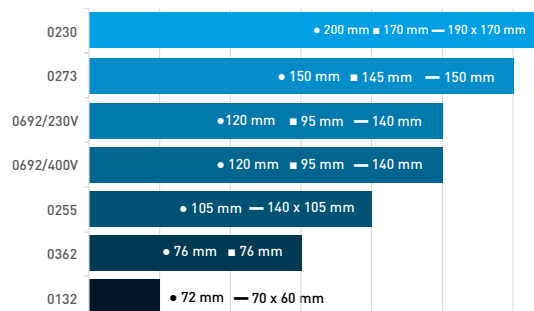
Cut range



Cutting depth at 90°



Cutting depth at 45°



0230

NEW

METAL BAND SAW WITH MANUAL AND HYDRAULIC FEED

With blade tension regulation tool, coolant system, quick vice.

INCLUDED ACCESSORIES

- Blade tension gauge
- Coolant pump
- Quick vice



| | |
|----------------------|----------------------------------|
| Blade dimensions | 2715 x 27 x 0,9 mm |
| Motor | 400V 50 Hz 0.75 / 1,5 kW |
| Cutting speed | 36 - 72 m/min |
| Cut range | -45° ÷ 60° |
| Cutting depth at 90° | • 250 mm ■ 240 mm — 310 x 240 mm |
| Cutting depth at 45° | • 200 mm ■ 170 mm — 190 x 170 mm |
| Jaws | 145 x 120h mm |
| Lateral stroke | 380 mm |
| Vice opening | 306 mm |
| Dimensions | 1500 x 670 x 1520 mm |
| Net weight | 332 Kg |



0273

METAL BAND SAW WITH MANUAL AND HYDRAULIC FEED

With blade tension regulation tool, coolant system, quick vice.

INCLUDED ACCESSORIES

- Blade tension gauge
- Coolant pump
- Quick vice



| | |
|----------------------|----------------------------|
| Blade dimensions | 2450 x 27 x 0,9 mm |
| Three-phase motor | 400V 50 HZ 0,59 / 1,1 kW |
| Cutting speed | 36 - 72 m/min |
| Cut range | 0° ÷ 60° |
| Cutting depth at 90° | • 220 mm ■ 150 mm — 260 mm |
| Cutting depth at 45° | • 150 mm ■ 145 mm — 150 mm |
| Jaws | 150 x 120 h mm |
| Vice opening | 260 mm |
| Dimensions | 1720 x 880 x 1810 h mm |
| Net weight | 220 kg |



0692/230V & 0692/400V
METAL BAND SAW WITH MANUAL AND HYDRAULIC FEED

With blade tension regulation tool, coolant system, quick vice.

INCLUDED ACCESSORIES

- Blade tension gauge
- Coolant pump
- Quick vice



| | |
|----------------------|---|
| Blade dimensions | 2100 x 20 x 0,9 mm |
| Motor | 230V 50 Hz 0,75 kW 400V 50 HZ 0,55 / 0,9 kW |
| Cutting speed | 65 m/min |
| Cut range | 0° ÷ 60° |
| Cutting depth at 90° | • 170 mm ■ 140 mm — 210 mm |
| Cutting depth at 45° | • 120 mm ■ 95 mm — 140 mm |
| Vice opening | 260 mm |
| Dimensions | 1500 x 800 x 1620 h mm |
| Net weight | 170 kg |


0255
METAL BAND SAW

With coolant system, quick vice, base with cabinet tools.

INCLUDED ACCESSORIES

- Blade tension gauge
- Coolant pump
- Quick vice



| | |
|----------------------|-------------------------|
| Blade dimensions | 1735 x 13 x 0,65 mm |
| Motor | 230 V 50 Hz 0,55 kW |
| Cut range | 0 ÷ 60° |
| Cutting speed | 34 m / min |
| Cutting depth at 90° | — 150 x 140 mm • 140 mm |
| Cutting depth at 45° | — 140 x 105 mm • 105 mm |
| Base dimensions | 470 x 700 mm |
| Dimensions | 530 x 1000 x 1260h mm |
| Net weight | 95 kg |



0362

ELECTRONIC CUTTING BAND SAW FOR BENCH

With inverter motor.



| | |
|----------------------|-------------------------|
| Blade dimensions | 1435 x 12,7 x 0,65 mm |
| Motor | 230 V 50 60 Hz 0,4 kW |
| Cutting speed | 35 ÷ 80 m/min |
| Cut range | 0° ÷ 60° |
| Cutting depth at 90° | • 125 mm ■ 125 mm |
| Cutting depth at 45° | • 76 mm ■ 76 mm |
| Dimensions | 700 x 360 x 450h mm |
| Net weight | 22 kg |



0132

CUTTING BAND SAW

Bench type, easy to carry, with two cutting speed.



| | |
|----------------------|------------------------|
| Blade dimensions | 1335 x 12,7 x 0,65 mm |
| Speed | {2} 60 80 m / min |
| Cut range | 0° ÷ 45° |
| Motor | 230 V 50 Hz 0,850 kW |
| Cutting depth at 90° | • 105 mm — 105 x 93 mm |
| Cutting depth at 45° | • 72 mm — 70 x 60 mm |
| Net weight | 17 kg |



0522

FOLDING STAND

Sturdy and resistant frame, adjustable height.



| | |
|------------------|--------------------------------------|
| Capacity | 150 kg |
| Plate Dimensions | 820 x 460 mm |
| Working height | 600 - 715 - 745 - 770 - 795 - 820 mm |
| Rollers distance | 870 - 1070 - 1350 mm |
| Rollers height | 37 ÷ 470 mm |
| Net weight | 17 kg |

0133

ROLLER STAND



| | |
|-----------------------|---------------|
| Roller shaft diameter | Ø 52 x 350 mm |
| Height | 690 / 1200 mm |
| Maximum capacity | 800 kg |
| Net weight | 15 kg |

R003/09
PANTOGRAPH ROLLER CONVEYOR


| | |
|-----------------|-----------------------|
| Capacity | 130 kg |
| Roller diameter | 50 mm |
| Length | 485 ÷ 1400 mm |
| Height | 610 ÷ 950 mm |
| Size | 1460 x 660 x 950 h mm |
| Net weight | 31 kg |

R001-
ADJUSTABLE HEIGHT ROLLER STAND

With independent height adjustment feet.



| Art. | Dimensions | Rollers distance | Roller dimensions | Height | Maximum capacity | Net weight |
|---------|---------------|------------------|-------------------|---------------|------------------|------------|
| R001/04 | 1000 x 460 mm | 260 mm | Ø 60 x 360 mm M12 | 580 / 1030 mm | 400 kg | 23 kg |
| R001/07 | 2000 x 450 mm | 250 mm | Ø 60 x 360 mm M12 | 590 / 1050 mm | 400 kg | 37 kg |

0642
CUT-OFF MACHINE

For dry cutting of metals, with disc protection guard.

| | |
|------------------|---|
| Motor | 230 V 50 Hz 2 kW |
| Disc dimensions | 355 x 3.0 x 25.4 mm |
| Disc speed | 3800 rpm |
| Cut range | ± 45° |
| Cutting capacity | ■ 100 x 100 mm - ■ 200 x 40 mm - o 100 mm |
| Vice opening | 155 mm - 190 mm - 230 mm |
| Net weight | 19 kg |



0565**FLEXIBLE SHAFT GRINDER**

With foot speed variator.



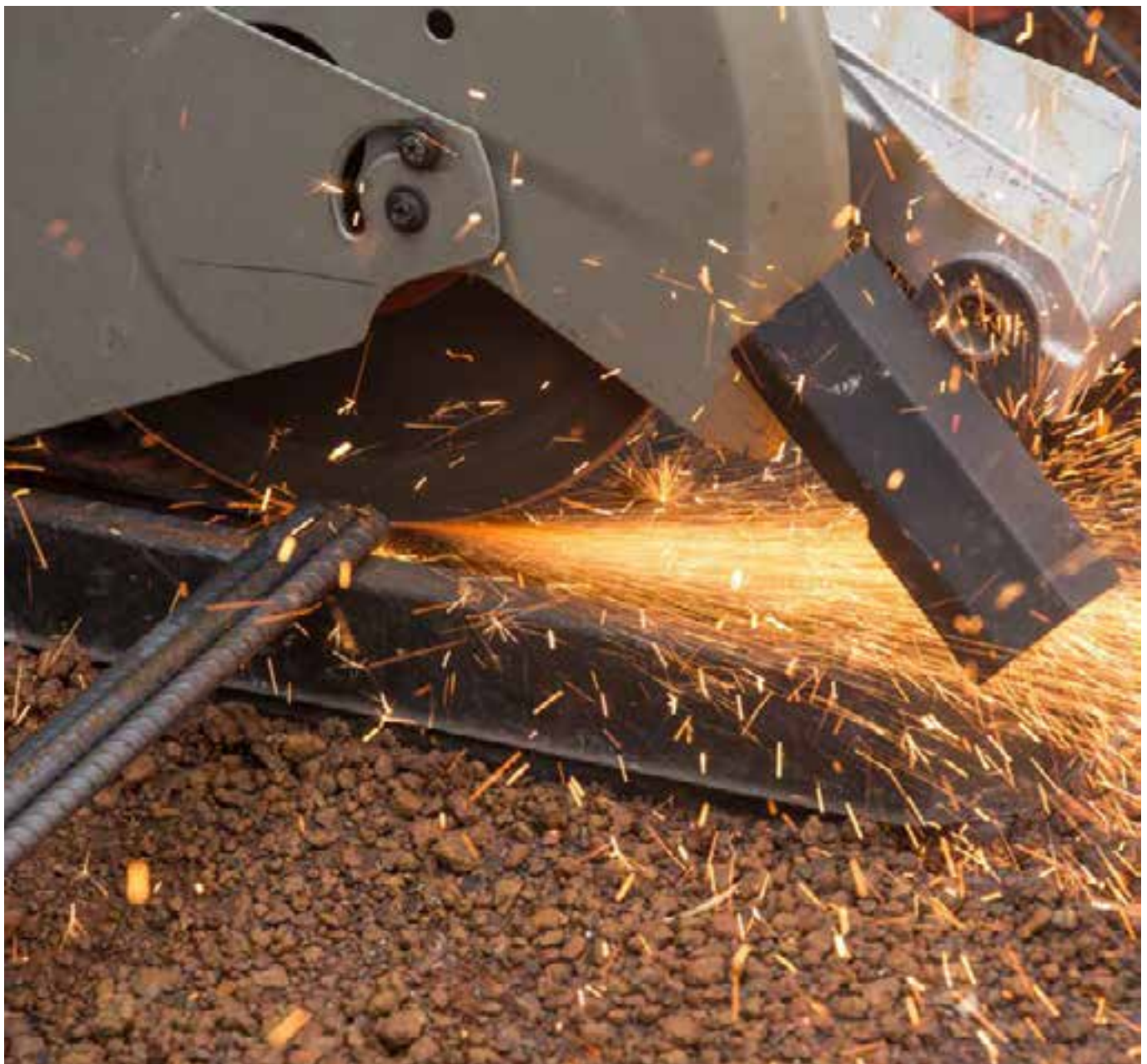
| | |
|--------------------------|-------------------|
| Precision key type chuck | 0 - 4 mm |
| Variable speed | 500 ÷ 22000 rpm |
| Flexible shaft length | 900 mm |
| Motor | 230 V 50 Hz 185 W |

0568**MULTI CUTTING POWER TOOLS SET**

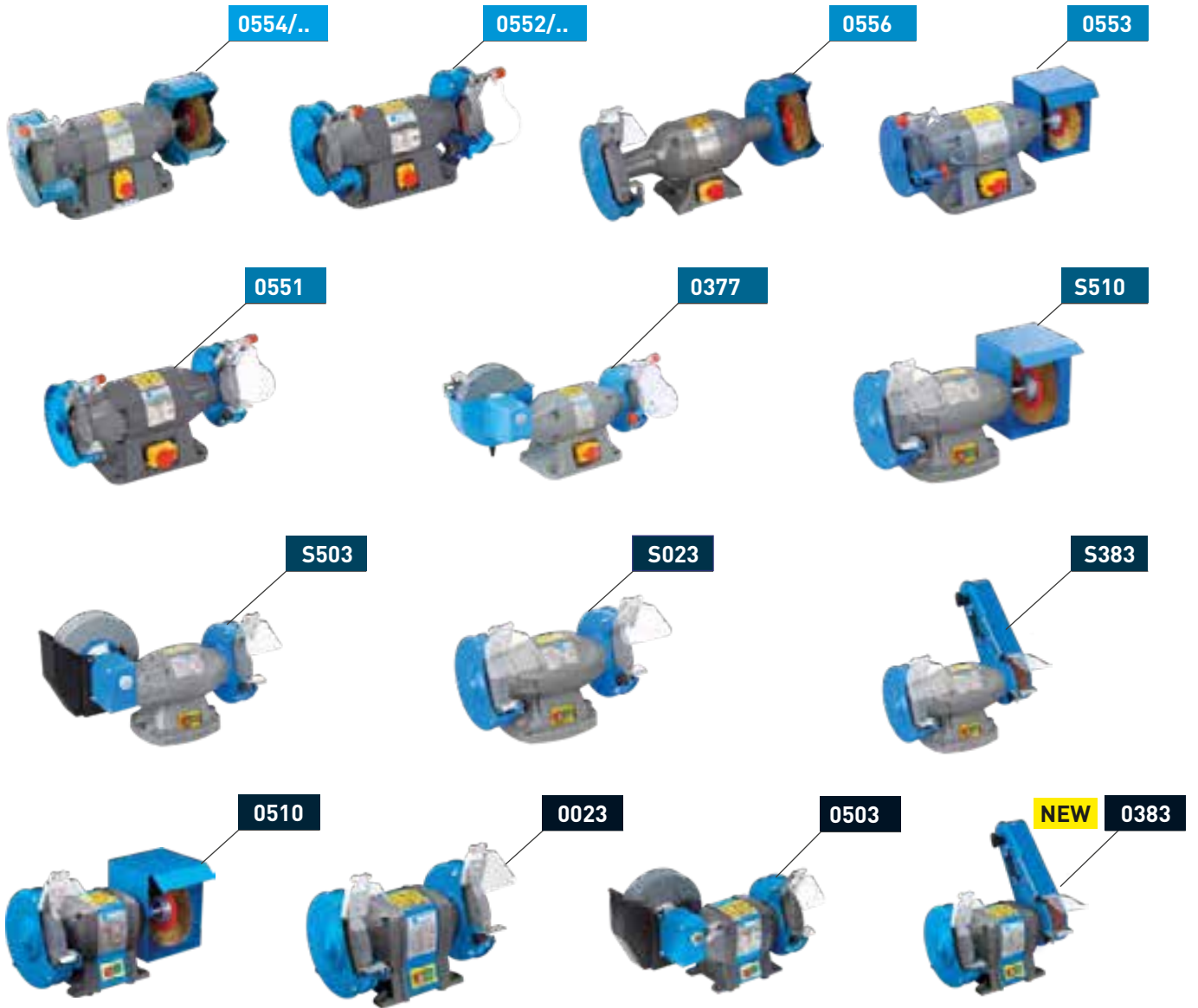
With adjustable stand and flexible shaft grinder.



| | |
|--------------------------|-------------------|
| Precision key type chuck | Ø 3 mm |
| Variable speed | 8000 ÷ 32500 rpm |
| Flexible shaft length | 1000 mm |
| Stand height | 650 mm |
| Clamp capacity | 65 mm |
| Motor | 230 V 50 Hz 135 W |

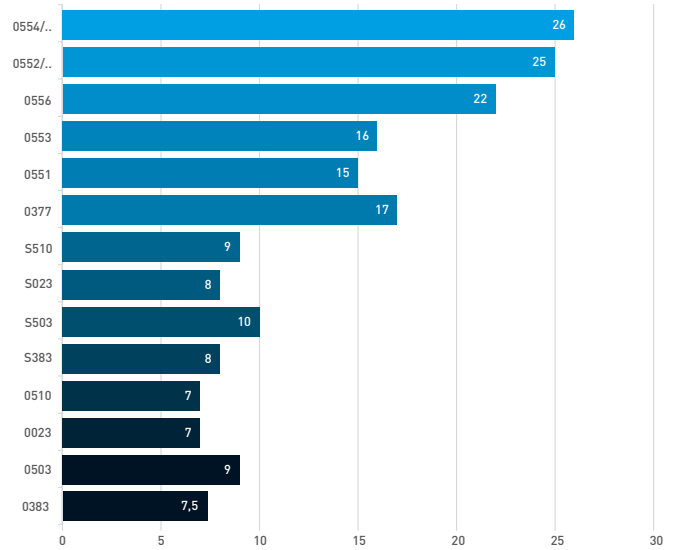
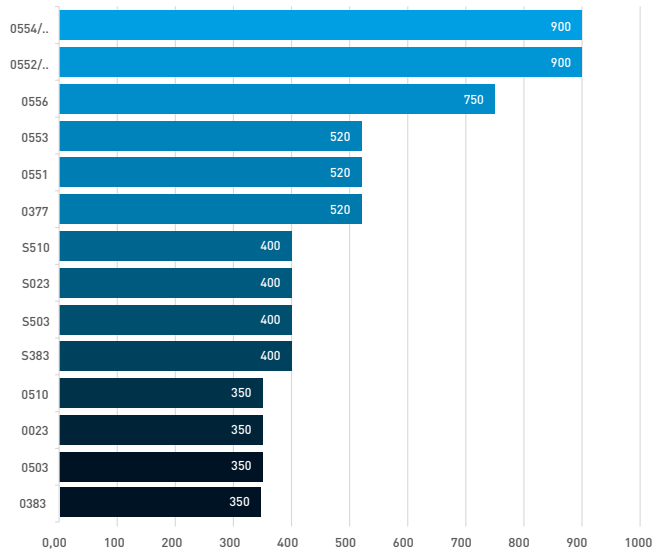


GRINDERS



Power (kW)

Weight (Kg)



0554 & 0554/400V

PROFESSIONAL COMBINED BENCH GRINDER

Grinding wheel guard. Workpiece support square.



| | |
|--------------------|---------------------------------------|
| Brush | 2950 rpm - Ø 200 x 25 x 20 mm |
| Dry grinding wheel | 2950 rpm - Ø 200 x 25 x 20 mm GR36 |
| Motor | 230V 50 Hz 0,9 kW 400V 50 Hz 0,9 kW |
| Usage type | S2 - 10 min |
| Net weight | 26 kg |

0552 & 0552/400V

PROFESSIONAL BENCH GRINDER

Grinding wheel guards. Workpiece support square.



| | |
|--------------------|---|
| Dry grinding wheel | 2950 rpm - Ø 200 x 25 x 20 mm GR36 - GR80 |
| Motor | 230V 50Hz 0,9 kW 400V 50 Hz 0,9 kW |
| Usage type | S2 - 10 min |
| Net weight | 25 kg |

0556

PROFESSIONAL COMBINED BENCH GRINDER WITH LONG ARMS

Professional combined grinder with long shafts.



| | |
|-------------------------|------------------------------------|
| Brush | 2950 rpm - Ø 200 x 25 x 20 mm |
| Dry grinding wheel | 2950 rpm - Ø 200 x 25 x 20 mm GR36 |
| Motor | 230 V 50 Hz 0,75 kW |
| Usage type | S2 - 10 min |
| Distance between wheels | 510 mm |
| Net weight | 22 kg |

0553

PROFESSIONAL COMBINED BENCH GRINDER

Robust and reliable, wheel protection devices, workpiece support bracket.



| | |
|--------------------|------------------------------------|
| Brush | 2950 rpm - Ø 150 x 20 x 16 mm |
| Dry grinding wheel | 2950 rpm - Ø 150 x 20 x 16 mm GR36 |
| Motor | 230 V 50 Hz 0,52 kW |
| Usage type | S2 - 10 min |
| Dimensions | 440 x 170 x 225 mm |
| Net weight | 16 kg |

0551

PROFESSIONAL BENCH GRINDER



| | |
|--------------------|---|
| Dry grinding wheel | 2950 rpm - Ø 150 x 20 x 16 mm GR36 - GR80 |
| Motor | 230 V 50 Hz 0,52 kW |
| Usage type | S2 - 10 min |
| Dimensions | 440 x 170 x 225 mm |
| Net weight | 15 kg |

0377

COMBINED BENCH GRINDER



| | |
|--------------------|------------------------------------|
| Dry grinding wheel | 2950 rpm - Ø 150 x 20 x 16 mm GR80 |
| Wet grinding wheel | 130 rpm - Ø 200 x 40 x 20 mm GR80 |
| Motor | 230 V 50 Hz 0,52 kW |
| Usage type | S2 - 10 min |
| Net weight | 17 kg |

S503
WET DRY BENCH GRINDER

With wet grinding wheel and dry grinding wheel.



| | |
|--------------------|------------------------------------|
| Dry grinding wheel | 2950 rpm - Ø 150 x 20 x 16 mm GR80 |
| Wet grinding wheel | 130 rpm - Ø 200 x 40 x 20 mm GR80 |
| Motor | 230 V 50 Hz 0,40 kW |
| Usage type | S2 - 10 min |
| Net weight | 10 kg |

S510
BENCH GRINDER WITH BRUSH

With brush and grinding wheel.



| | |
|--------------------|------------------------------------|
| Brush | 2950 rpm - Ø 150 x 20 x 16 mm |
| Dry grinding wheel | 2950 rpm - Ø 150 x 20 x 16 mm GR36 |
| Motor | 230 V 50 Hz 0,40 kW |
| Usage type | S2 - 10 min |
| Net weight | 9 kg |

S023
BENCH GRINDER

With two grinding wheels of different grain.



| | |
|--------------------|---|
| Dry grinding wheel | 2950 rpm - Ø 150 x 20 x 16 mm GR36 - GR80 |
| Motor | 230 V 50 Hz 0,40 kW |
| Usage type | S2 - 10 min |
| Net weight | 8 kg |

S383
BENCH GRINDER WITH BELT

Strong and reliable



| | |
|--------------------|----------------------------------|
| Dry grinding wheel | 2950 rpm Ø 150 x 20 x 16 mm GR36 |
| Belt | 50 x 686 mm GR100 |
| Motor | 230 V 50 Hz 0,40 kW |
| Usage type | S2 - 10 min |
| Net weight | 8 kg |

0510
BENCH GRINDER WITH BRUSH

With grinding wheel and brush. Bracket for supporting pieces. Holes for fixing on the bench.



| | |
|--------------------|--------------------------------------|
| Brush | 2950 rpm - Ø 150 x 20 x 12,7 mm |
| Dry grinding wheel | 2950 rpm - Ø 150 x 20 x 12,7 mm GR36 |
| Motor | 230 V 50 Hz 0,35 kW |
| Usage type | S2 - 10 min |
| Net weight | 7 kg |

0023
BENCH GRINDER

Grinding wheel protection screens. Bracket for piece support.



| | |
|--------------------|---|
| Dry grinding wheel | 2950 rpm - Ø 150 x 20 x 12,7 mm GR36 - GR80 |
| Motor | 230 V 50 Hz 0,35 kW |
| Usage type | S2 - 10 min |
| Net weight | 7 kg |

0503

WET DRY BENCH GRINDER

With water grinding wheel and dry grinding wheel.



| | |
|--------------------|--------------------------------------|
| Dry grinding wheel | 2950 rpm - Ø 150 x 20 x 12,7 mm GR80 |
| Wet grinding wheel | 130 rpm - Ø 200 x 40 x 20 mm GR80 |
| Motor | 230 V 50 Hz 0,35 kW |
| Usage type | S2 - 10 min |
| Net weight | 9 kg |

0383

BENCH GRINDER WITH BELT

NEW



| | |
|--------------------|------------------------------------|
| Dry grinding wheel | 2950 rpm Ø150 X 20 X Ø12.7 mm GR36 |
| Belt | 50 x 686 mm GR100 |
| Motor | 230 V 50Hz 0,35kW |
| Usage type | S2 - 10 min |
| Net weight | 7,5 kg |

0555

GRINDING WHEEL STAND



| | |
|------------------|--------------|
| Height | 760 mm |
| Column | Ø 75 mm |
| Table dimensions | 320 x 210 mm |
| Net weight | 13,5 kg |

0106

GRINDING WHEEL STAND

Light duty.



| | |
|------------------|--------------|
| Height | 760 mm |
| Column | Ø 75 mm |
| Table dimensions | 320 x 210 mm |
| Net weight | 11 kg |

0316

POWER CHAINSAW SHARPENER

With chain feed lever. Grinding wheel protection screen.



| | |
|---------------------|---|
| Pink grinding wheel | Ø 145 x 4,7 x 22,3 mm Ø 145 x 3,2 x 22,3 mm |
| Sharpening | +30° / -35° |
| For chains | 1/4" - 3/25" - 3/8" - 404" - 3/4" |
| Motor | 230 V 50 Hz 0,23 kW |
| Net weight | 5 kg |

0502

POWER CHAINSAW SHARPENER

With chain feed lever. Grinding wheel protection screen.



| | |
|---------------------|-------------------------------|
| Pink grinding wheel | Ø 100 x 4,5 x 10 mm |
| Sharpening | +35° / -35° |
| For chains | 1/4" - 0,325" / 3/8" - 0,404" |
| Motor | 230 V 50 Hz 0,25 kW |
| Speed | 7500 rpm |
| Usage type | intermittent S2 |


A003/32
TWIST DRILL GRINDING MACHINE

With ER collets for the twist drills and inclination device of the cutting edges, thinning of the core for greater precision. Possibility of sharpening carbide twist drills with optional grinding wheel.

A003/13A
TWIST DRILL GRINDING MACHINE

With ER collets for the twist drills and inclination device of the cutting edges, thinning of the core for greater precision. Possibility of sharpening carbide twist drills with optional grinding wheel.



| | |
|-------------------|-------------------------|
| Grinding capacity | 3 ÷ 32 mm |
| Tilting tip | 95° ÷ 135° / 85° ÷ 140° |
| Speed | 4400 rpm |
| Motor | 230 V 50 Hz 250 W |
| Dimensions | 400 x 260 x 300 mm |
| Net weight | 36 kg |

| | |
|-------------------|--------------------|
| Grinding capacity | 3 ÷ 13 mm |
| Tilting tip | 95° ÷ 135° |
| Speed | 4400 rpm |
| Motor | 230 V 50 Hz 120 W |
| Dimensions | 320 x 180 x 190 mm |
| Net weight | 8,5 kg |

A0132A

TWIST DRILL GRINDING MACHINE



| | |
|-------------------|--------------------|
| Grinding capacity | 3 ÷ 20 mm |
| Tilting tip | 90° ÷ 140° |
| Speed | 7000 rpm |
| Motor | 230 V 50 Hz 0,6 kW |
| Dimensions | 500 x 230 x 250 mm |
| Net weight | 21 kg |

A004/14

END MILL GRINDING MACHINE

With ER collets, suitable for sharpening mills with 2, 3 and 4 cutting edges. Possibility to sharpen hard metal millis with optional grinding wheel.



| | |
|-------------------|--------------------|
| Grinding capacity | 4 ÷ 14 mm |
| Speed | 4400 rpm |
| Motor | 230 V 50 Hz 200 W |
| Dimensions | 350 x 230 x 240 mm |
| Net weight | 12,6 kg |

A004/20

END MILL GRINDING MACHINE

With ER collets, suitable for sharpening mills with 2, 3 and 4 cutting edges. Possibility to sharpen hard metal millis with optional grinding wheel.



| | |
|-------------------|--------------------|
| Grinding capacity | 4 ÷ 20 mm |
| Speed | 4400 rpm |
| Motor | 230 V 50 Hz 200 W |
| Dimensions | 350 x 230 x 240 mm |
| Net weight | 16 kg |

0804

MANUAL GRINDER FOR SAW BLADE



| | |
|-------------------|---------------------|
| Grinding capacity | Ø 80 ÷ 700 mm |
| Speed | 2850 rpm |
| Motor | 230 V 50 Hz 0,25 kW |
| Net weight | 29 kg |

A003/32CBN
CBN WHEEL

For HSS twist drills from 13.1 to 32 mm.



Dimensions 125 x 20 x 19 mm

A003/32SDC
SDC WHEEL

For hard metal twist drills from 13.1mm to 32 mm.



Dimensions 125 x 20 x 19 mm

A003/13ACBN
CBN WHEEL

For HSS twist drills from 3 to 13 mm.



Dimensions 78,50 x 10 x 12,7 mm

A003/13ASDC
SDC WHEEL

For hard metal twist drills from 3 to 13 mm.



Dimensions 78,50 x 10 x 12,7 mm

A013/26M
DIAMOND WHEEL

In CBN material for HSS twist drills.



Dimensions 85,3 x 22,8 x 25 mm

A0132A/MR
PINK GRINDING WHEEL

Thread m8, ø 40 x 38 mm inner ø 26 mm.


A0132A/MB
WHITE GRINDING WHEEL

Thread M8, ø 40 x 38 mm inner ø 26 mm.


0804/MD
DIAMOND WHEEL

125 x 10 x F32 x 8 mm.



Dimensions 125 x 10 x 8 x 32 mm

A059/M
GRINDER SET

A004/14CBN
CBN WHEEL

For HSS end mills from 4 to 14 mm.


A004/14SDC
SDC WHEEL

For hard metal end mills from 4 to 14 mm.


A004/20CBN
SET OF 2 CBN WHEELS

For HSS end mills from 4 to 20 mm.


A004/20SDC
SET OF 2 SDC WHEELS

For hard metal end mills from 4 to 20 mm.



0691/400V

TILTING BELT SANDER

The rubberized rollers and graphite support bearings provide an even torque throughout use and guarantee the belt's alignment, which can be corrected if necessary using the adjustment knob. The belt is easy to replace via the quick-change mechanism, avoiding unnecessary wasted time. The sander can be tilted quickly thanks to the quick-release lever, allowing you to carry out complex work in comfort.



| | |
|-------------------|--------------------|
| Belt dimensions | 2000 x 150 mm |
| Speed | (2) 18 / 37 mm/sec |
| Three-phase motor | 400 V 50 Hz 4 kW |
| Net weight | 110 kg |



0701

TILTING BELT SANDER

The rubberized rollers and graphite support bearings provide an even torque throughout use and guarantee the belt's alignment, which can be corrected if necessary using the adjustment knob. The belt is easy to replace via the quick-change mechanism, avoiding unnecessary wasted time. The sander can be tilted quickly thanks to the quick-release lever, allowing you to carry out complex work in comfort.



| | |
|-----------------|---------------------------|
| Belt dimensions | 2000 x 150 mm GR80 |
| Speed | (2) 15 / 30 mm/sec |
| Motor | 400 V 50 Hz 1,8kW / 2,4kW |
| Dimensions | 1000 x 540 x 610h mm |
| Net weight | 84 Kg |

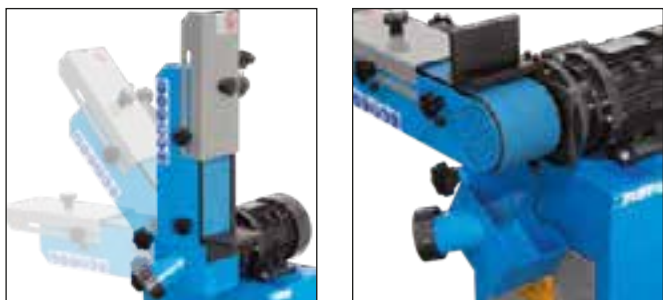


NEW

0667/100

TILTING BELT SANDER

With bench, for horizontal and vertical operations



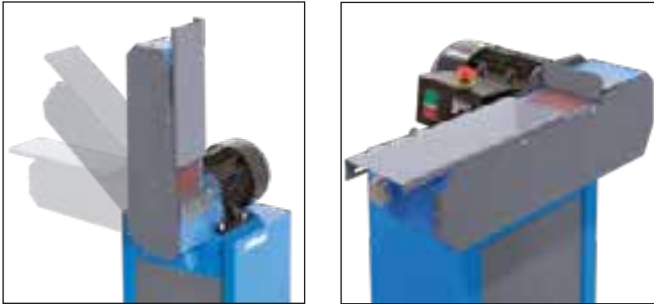
| | |
|-------------------|--------------------------|
| Belt dimensions | 1000 x 100 mm |
| Speed | (2) 9 / 18 m/sec |
| Three-phase motor | 400 V 50 Hz 1,8 - 1,3 kW |
| Dimensions | 690 x 525 x 960h mm |
| Net weight | 70 kg |



NEW

0667/150
NEW
TILTING BELT SANDER

With bench, for horizontal and vertical operations



| | |
|-------------------|---------------------------|
| Belt dimensions | 1500 x 120 mm |
| Speed | (2) 9 / 18 m/sec |
| Three-phase motor | 400 V 50 Hz 0,85 / 1,1 kW |
| Dimensions | 790 x 580 x 960h mm |
| Net weight | 85 kg |

0662
TILTING BELT SANDER WITH BENCH

Bench to be assembled.



| | |
|--------------------------|----------------------|
| Belt dimensions | 1219 x 152 mm |
| Disc diameter | Ø 230 mm |
| Working table dimensions | 330 x 152 mm |
| Belt speed | 330 m/min |
| Disc speed | 1400 m/min |
| Dimensions | 710 x 510 x 1000h mm |
| Motor | 230 V 50 Hz 0,75 kW |
| Net weight | 54 kg |



0560

BENCH CHAMFERING MACHINE



SPUN13P
SPARE PART INSERT



| | |
|------------------|---------------------|
| Chamfer | 45° 0 - 5 mm |
| Speed | 2800 rpm |
| Motor | 230 V 50 Hz 0,25 kW |
| Table dimensions | 2 - 400 x 50 mm |
| Mill size | Ø 80 mm - Z 8 |
| Insert | SPUN13P |
| Net weight | 21 kg |

0022

PORTABLE CHAMFERING MACHINE



SPUN13P
SPARE PART INSERT



| | |
|------------------|---------------------|
| Chamfer | 15° - 45° 0 - 5 mm |
| Speed | 2950 rpm |
| Motor | 230 V 50 Hz 0,25 kW |
| Table dimensions | 2 - 200 x 50 mm |
| Mill size | Ø 80 mm - Z 8 |
| Insert | SPUN13P |
| Net weight | 11,5 kg |

0285/75

ELECTRIC SLIP ROLLING MACHINE

With 3 steel rollers with hardness HRC52, safety rope with 3 functions micro switch, mobile controls with double control pedals forward/backward and mushroom emergency switch.



| | |
|-------------------|---------------------|
| Bed length | 1300 mm |
| Max thickness | 1.5 mm |
| Roller diameter | 75 mm |
| Three-phase motor | 400 V 50 Hz 0.75 kW |
| Net weight | 375 kg |

0334/0750

SHEAR PRESS BRAKE AND SLIP ROLL

Versatile and strong machine, suitable for making prototypes.



| | |
|---|--------------------|
| Bed length | 750 mm |
| Max shearing, bending and rolling thickness | 1,0 mm |
| Bending angle | 90° |
| Min. rolling Ø | 44 mm |
| Dimensions | 980 x 370 x 550 mm |
| Net weight | 260 kg |

0334/1000

SHEAR PRESS BRAKE AND SLIP ROLL

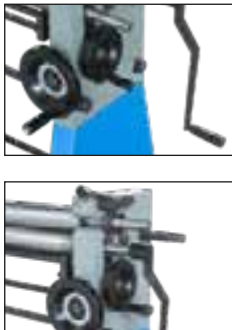
Versatile and strong machine, suitable for making prototypes.



| | |
|---|---------------------|
| Bed length | 1000 mm |
| Max shearing, bending and rolling thickness | 1,0 mm |
| Bending angle | 90° |
| Min. rolling Ø | 48 mm |
| Dimensions | 1335 x 455 x 620 mm |
| Net weight | 317 kg |

C022/100
ROLL FORMING MACHINE

With 3 rollers, removable central roller to create complete tubes.



| | |
|-----------------|---------|
| Max length | 1000 mm |
| Max thickness | 2 mm |
| Roller diameter | 60 mm |
| Net weight | 200 kg |

0776
ROLL FORMING MACHINE

With 3 rollers, with bench equipped with a shelf, removable central roller to create complete tubes.



| | |
|-----------------|---------|
| Max length | 1000 mm |
| Max thickness | 0,8 mm |
| Roller diameter | 50 mm |
| Net weight | 105 kg |

0776/610
ROLL FORMING MACHINE

3-roller, bench-top, removable central roller to create complete tubes.



| | |
|-----------------|--------|
| Max length | 610 mm |
| Max thickness | 0.8 mm |
| Roller diameter | 38 mm |
| Net weight | 37 kg |

0235
MINI HAND ROLL FORMING MACHINE

With 3 rollers, vice not included.



| | |
|-----------------|--------|
| Max length | 300 mm |
| Max thickness | 2,5 mm |
| Roller diameter | 30 mm |
| Net weight | 10 kg |

P008/102
BENDING MACHINE

High efficiency due to top segmented knife, strong and reliable structure.



| | |
|-------------------------|---------|
| Max length | 1020 mm |
| Max. shearing thickness | 2 mm |
| Max bending angle | 135° |
| Net weight | 334 kg |



**0775****BENDING MACHINE**

| | |
|-------------------------|---------|
| Max length | 1000 mm |
| Max. shearing thickness | 1,2 mm |
| Max bending angle | 140° |
| Net weight | 130 kg |

0483**MINI HAND BRAKE**

Interchangeable blade, max bending width on handle side 50 mm, vice not included.



| | |
|-------------------------|--------|
| Working length | 270 mm |
| Max. shearing thickness | 2,5 mm |
| Net weight | 10 kg |

T034/105**SHEAR MACHINE WITH STAND**

With integrated goniometer, adjustable cutting end stop and bench in assembly kit



| | |
|----------------------------------|-----------------------|
| Bed length | 1050 mm |
| Max. bending thickness | 1,25 mm |
| Cutting capacity with adjustment | 0 ÷ 500 mm |
| Dimensions | 1290 x 1300 x 1080 mm |
| Net weight | 220 kg |

T034/065**SHEAR MACHINE BENCH TYPE**

With integrated goniometer and adjustable cutting end stop



| | |
|----------------------------------|---------------------|
| Bed length | 650 mm |
| Max. bending thickness | 1,5 mm |
| Cutting capacity with adjustment | 0 ÷ 500 mm |
| Dimensions | 890 x 1300 x 450 mm |
| Net weight | 145 kg |

0773-**HAND SHEAR****0773/10L****BLADE SET****0773/05L****BLADE SET**

| Art. | Dimensions | Base dimensions | Handle length | Blade length | Flat bar | Plate thicknesser | Round | Net weight |
|---------|--------------------|-----------------|---------------|--------------|-----------|-------------------|--------|------------|
| 0773/05 | 290 x 120 x 240 mm | 240 x 90 mm | 410 mm | 130 mm | 38 x 3 mm | 0,5 ÷ 3 mm | Ø 6 mm | 10 kg |
| 0773/10 | 420 x 120 x 390 mm | 400 x 90 mm | 800 mm | 250 mm | 70 x 3 mm | 0,5 ÷ 3 mm | Ø 6 mm | 19 kg |

0892
MINI HAND SHEAR BRAKE

Interchangeable blade, vice not included.



| | |
|-------------------------|--------|
| Working length | 200 mm |
| Max. bending thickness | 1 mm |
| Max. shearing thickness | 1 mm |
| Net weight | 17 kg |

C076/30
MOTORIZED 3 ROLL PIPE & PROFILE BENDING MACHINES

Horizontal and vertical operation for pipes, profiles and bars.



| | |
|------------------------|----------------------|
| Shaft diameter | 30 mm |
| Upper roller diameter | 148 mm |
| Lower rollers diameter | 148 mm |
| Round speed | 4.8 ÷ 7.2 m/min |
| Three-phase motor | 400 V 50 Hz 1,1 kW |
| Dimensions | 620 x 1100 x 1360 mm |
| Net weight | 230 kg |

0197
UNIVERSAL BENDER

For cold bending, with blocks to speed up and standardize operations, with ergonomic handle.



| | |
|------------|--|
| Round bar | Steel, Copper 16 mm Wrought Iron 12 mm Aluminum 18 mm |
| Flat bar | 30 x 8 mm |
| Square | Steel, Copper 13 x 13 mm Wrought iron 10 x 10 mm Aluminum 15 x 15 mm |
| Net weight | 22 kg |

0668
FORGING FURNACE

Easy to use, quick ignition, no injurious emissions, rear door to heat the iron bar center. Isolation chamber in fibreceramics. Regulator, non-return valve and thermocouple equipped.



| | |
|----------------------|---------------------|
| Working temperature | 1300 °C ÷ 1400 °C |
| Max working capacity | Ø 70 mm / ■ 50 mm |
| Power | G.P.L. |
| Consumption | 0,05 - 1,5 kg / h |
| Internal dimensions | 280 x 210 x 100h mm |
| External Dimensions | 400 x 260 x 250h mm |
| Net weight | 25 kg |

0721
MANUAL SPIRAL IRON BENDER

For cold bending, with blocks to speed up and standardize operations. Length-adjustable lever, with rollers for rods and plates already included to make different radii of curvature. Possibility of creating both dry folds and curves and use with pipes.



| | |
|-----------------|---|
| Roller diameter | 2x Ø 24, 30, 37, 43, 49, 62, 75 mm |
| Round bar | Steel, Aluminum, Copper Ø16 mm Stainless Steel Ø14 mm |
| Flat bar | 10 x 50 mm Sharp edge 6 x 50 mm |
| Square | 14 x 14 mm |
| Round pipe | G 3/4" |
| Handle length | 1000 mm Max |
| Net weight | 30 kg |

0102
IRON BENDER

For cold and hot bending. with blocks to speed up and standardize operations and ergonomic handle.



| | |
|------------|---------------------------------------|
| Round bar | Cold 22 mm Heated 27 mm |
| Square | Cold 20 mm Heated 25 mm |
| Flat bar | Steel 100 x 8 mm Copper 100 x 15 mm |
| Net weight | 30 kg |



0113

SPIRAL BENDER

For cold bending with piece stop and ergonomic handle.

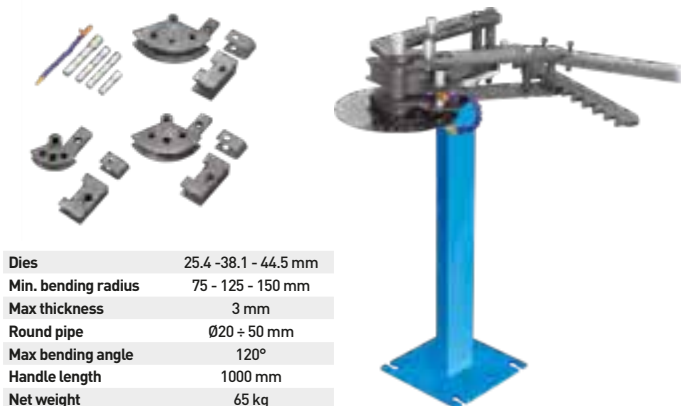


| | |
|------------|-------------------------|
| Iron | Cold |
| Round bar | 10 mm |
| Flat bar | 10 x 30 mm |
| Square | 10 mm |
| Dies | 80 mm 125 mm 200 mm |
| Net weight | 25 kg |

0722

MANUAL PIPE BENDER

For cold bending, for large pipes, with a system that avoids the collapse of the pipe, for the creation of simple or complex curves, with indication of the bend angle, lever included. Ratchet operation to exert maximum force.



| | |
|---------------------|-----------------------|
| Dies | 25.4 - 38.1 - 44.5 mm |
| Min. bending radius | 75 - 125 - 150 mm |
| Max thickness | 3 mm |
| Round pipe | Ø20 ÷ 50 mm |
| Max bending angle | 120° |
| Handle length | 1000 mm |
| Net weight | 65 kg |

0723

PORTABLE MANUAL PIPE BENDER

For cold bending, with a system that avoids the collapse of the pipe, for the creation of simple or complex curves.



| | |
|-------------------|--|
| Dies | 8 |
| Round pipe | 3/8" - 1/2" - 9/16" - 5/8" - 3/4" - 7/8" |
| Square pipe | 3/4" - 1" |
| Thickness | 0.8 ÷ 1.2 mm |
| Max bending angle | 180° |
| Handle length | 420 ÷ 600 mm |
| Net weight | 25 kg |

0893

HYDRAULIC PIPE BENDER 1 1/2" - 2"

With 2 speeds pump.



| | |
|------------|-----------------------------------|
| Dies | 1/2" 3/4" 1" 1-1/4" 1-1/2" 2" gas |
| Capacity | 10 tons N |
| Ram stroke | 250 mm |
| Net weight | 48 kg |

0719

MANUAL PIPE BENDER

For cold bending, with a system that avoids the collapse of the pipe, for the creation of simple or complex curves, with blocks to speed up and standardize operations.



| | |
|---------------------|---|
| Dies | 14 - 16 - 18 - 20 - 22 - 25 mm |
| Min. bending radius | 4x pipe Ø, 56-100 mm |
| Max thickness | 2 mm |
| Round pipe | steel, aluminum, copper Ø25 mm stainless steel Ø22 mm |
| Square | 20 x 20 mm |
| Net weight | 46 kg |

0292-

COPPER PIPE BENDER



| Art. | Sizes |
|---------|------------------|
| 0292 | Ø 8 - 10 - 12 mm |
| 0292/14 | Ø 14 mm |
| 0292/16 | Ø 16 mm |

0758
WOOD LATHE

With rotating head, variable speed drive belt and cast iron bench.

INCLUDED ACCESSORIES

- Live center MT 2
- Headstock spur drive center MT 2
- Backing pad Ø 150 mm
- Ejector
- Service keys



| | |
|--------------------------|---------------------|
| Distance between centers | 1100 mm |
| Centers height | 185 mm |
| Maximum turning diameter | 370 mm |
| Thread | 1" - 8 TPI |
| Tailstock | MT 2 |
| Motor | 230 V 50 Hz 0,75 kW |
| Spindle speed | 500 ÷ 2000 rpm |
| Net weight | 120 kg |

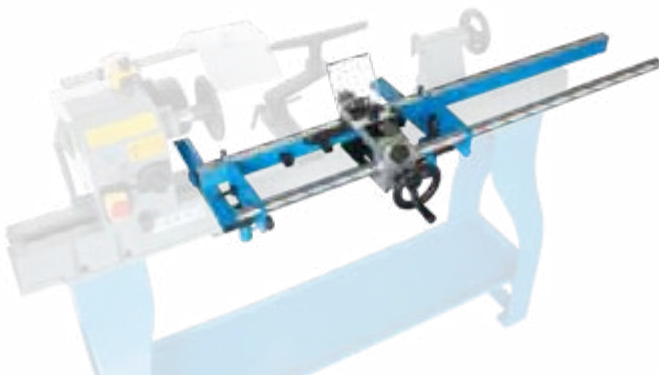

0751
WOOD LATHE

With rotating head, variable speed drive belt and steel sheet bench.


INCLUDED ACCESSORIES

- Live center MT 2
- Headstock spur drive center MT 2
- Backing pad Ø150 mm
- Ejector
- Service Key

| | |
|--------------------------|---------------------|
| Distance between centers | 900 mm |
| Centers height | 155 mm |
| Maximum turning diameter | 310 mm |
| Thread | 1" - 8 TPI |
| Tailstock | MT 2 |
| Motor | 230 V 50 Hz 0,37 kW |
| Spindle speed | 500 ÷ 2000 rpm |
| Net weight | 75 kg |


0758/C
COPY DEVICE FOR WOOD LATHE


| | |
|--------------------------|---------|
| Distance between centers | 1000 mm |
|--------------------------|---------|

**0648****WOOD LATHE WITH COPY DEVICE**

with lever to adjust the speed and processing area protected with interlocked mobile plexiglass guard.



| | |
|--------------------------|-----------------------|
| Distance between centers | 1000 mm |
| Centers height | 175 mm |
| Maximum turning diameter | 350 mm |
| Thread | 1" - 8 TPI |
| Tailstock | MT 2 |
| Motor | 230 V 50 Hz 0,75 kW |
| Spindle speed | 500 ÷ 2000 rpm |
| Dimensions | 1400 x 500 x 1300h mm |
| Net weight | 68 kg |

**0497-****12" WOOD LATHE**

With belt speed change.

**INCLUDED ACCESSORIES**

- Live center MT 2
- Headstock spur drive center MT 2
- Backing pad Ø 80 mm
- Ejector
- Service keys



| Art. | Distance between centers | Centers height | Maximum turning diameter | Motor | Spindle speed | Thread | Tailstock | Net weight |
|----------|--------------------------|----------------|--------------------------|---------------------|--------------------|------------|-----------|------------|
| 0497/250 | 457 mm | 125 mm | 250 mm | 230 V 50 Hz 0.37 kW | (5) 700 - 3000 rpm | 1" - 8 TPI | MT 2 | 33 kg |
| 0497/300 | 457 mm | 150 mm | 300 mm | 230 V 50 Hz 0.55 kW | (5) 700 - 3000 rpm | 1" - 8 TPI | MT 2 | 33 kg |



0498
8 FUNCTIONS COMBINE MACHINE

Bench saw, sliding carriage, scoring blade, spindle moulder, surface planer, thickness planer, mortising unit and sanding drum at 1500rpm.



| | |
|--------------------|------------------------|
| Overall dimensions | 1880 x 1500 x 1050 mm |
| Single-phase motor | 3 x 230 V 50 Hz 2.2 kW |
| Weight | 445 kg |
| Packing dimensions | 1600 x 1300 x 1010 mm |


BENCH SAW

| | |
|-----------------------|------------------------|
| Main table dimensions | 1045 x 800 mm |
| Blade dimensions | 254 x 3,2 x 30 mm 24 Z |
| Blade speed | 4050 rpm |
| Cut height | 65 mm 90° - 45 mm 45° |


PLANER THICKNESSER

| | |
|--------------------|---------------|
| Table dimensions | 1285 x 310 mm |
| Arbor size | Ø 75 mm |
| Inlet size | Ø 100 mm |
| Knives | 3 |
| Planer capacity | 310 x 5 mm |
| Thickness capacity | 310 x 180 mm |
| Cutter arbor speed | 4000 rpm |


SLIDING CARRIAGE

| | |
|-----------------------------------|---------------|
| Max cutting length with saw bench | 1370 mm |
| Sliding table | 1500 x 840 mm |

SCORING BLADE

| | |
|------------------|------------------------|
| Blade dimensions | Ø 80 x 3,2 x 20 mm 8 Z |
| Blade speed | 6300 rpm |


MORTISER

| | |
|---------------------|--------------|
| Table dimensions | 150 x 365 mm |
| Vertical stroke | 0 ÷ 80 mm |
| Longitudinal travel | 0 ÷ 85 mm |
| Cross travel | 0 ÷ 140 mm |
| Cutter arbor speed | 4000 rpm |


SPINDLE MOULDER

| | |
|--------------------|------------------------|
| Arbor size | Ø 30 mm |
| Spindle travel | 130 mm |
| Cutter arbor speed | 1500 / 4000 / 6000 rpm |


SANDING DRUM

| | |
|---------------|-----------------|
| Dimensions | Ø 100 x 100h mm |
| Spindle speed | 1500 rpm |



0499

12" PLANER & THICKNESSER

With mortise option.



| | |
|--------------------|----------------------|
| Overall dimensions | 1290 x 550 x 1000 mm |
| Tables height | 810 mm |
| Table dimensions | 310 x 1285 mm |
| Arbor size | Ø 75 mm |
| Blade | 3 |
| Thickness capacity | 310 x 2,5 x 180h mm |
| Spindle speed | 4000 rpm |
| Motor | 230 V 50 Hz 2.2 kW |
| Net weight | 179 kg |



0749

COMBINED PLANER AND THICKNESSER

With cast iron tables.



| | |
|--------------------|-----------------------|
| Dimensions | 1050 x 485 x 800h mm |
| Tables height | 810 mm |
| Table dimensions | 1050 x 250 mm |
| Arbor | Ø 75 mm |
| Blade | N° 3 |
| Planer capacity | 250 x 2 mm |
| Thickness capacity | 250 x 1,2 180h mm |
| Spindle speed | 4000 rpm |
| Motor | 230 V - 50Hz - 1,5 kW |
| Net weight | 155 kg |



0517A

THICKNESSER

With working plate made of granite.



| | |
|--------------------------|--------------------|
| Dimensions | 710 x 640 x 400 mm |
| Working table dimensions | 330 x 238 mm |
| Arbor | Ø 51.5 mm |
| Blade | 2 |
| Thickness capacity | 330 x 2,4 x 152 mm |
| Spindle speed | 8500 rpm |
| Motor | 230 V 50 Hz 1.5 kW |
| Net weight | 35 kg |



0686/200
COMBINED PLANER AND THICKNESSER

With aluminum working tables.



| | |
|--------------------|---------------------|
| Dimensions | 770 x 430 x 450h mm |
| Tables height | 360 mm |
| Table dimensions | 737 x 210 mm |
| Arbor | Ø 50 mm |
| Blade | N° 2 |
| Planer capacity | 204 x 2 mm |
| Thickness capacity | 204 x 2 x 120h mm |
| Spindle speed | 8000 rpm |
| Motor | 230 V 50 Hz 1,25 kW |
| Net weight | 25 kg |

0749/M
MORTISING MACHINE

With cast iron working tables.



| | |
|------------------|--------------|
| Chuck sizes | Ø 16 mm |
| Table dimensions | 370 x 150 mm |
| Vertical stroke | 0 - 80 mm |
| Lateral stroke | 0 - 140 mm |
| Slot distance | 3 x 165 mm |
| Net weight | 26 kg |

0749/MC
WESTCOTT CHUCK


| | |
|-----------------|---------------------|
| Capacity | 16 mm |
| Female junction | M20 x 1,5 Sx / Left |
| Sizes | Ø 55 x 68,5 mm |

M057/16
"WESTCOTT" CHUCK


| | |
|-----------------|--------------|
| Capacity | 16 mm |
| Female junction | B18 |
| Sizes | Ø 60 x 65 mm |

0697
SET MAGNETIC QUICK PLANER KNIFE SETTING JIG


For planer blade with cutter arbor Ø 75 ÷ 125 mm

0499/C
KNIVES SET

For planer and thicknesser.



Sizes 310 x 30 x 3 mm

0749/C
SET OF KNIVES FOR PLANER

For thickness planer.



Sizes 250 x 30 x 3 mm

0517/59
KNIFE SET FOR THICKNESSER


Sizes 335 x 12 x 1.5 mm

0686/200C
SET OF KNIVES FOR PLANER

For thickness planer.



Sizes 210 x 22 x 2 mm

0559
2 IN 1 SPINDLE MOULDER AND SPINDLE SANDER

For milling and drilling in wood, sanding by mounting sandpaper.



| | |
|---------------------------------------|------------------------|
| Motor | 230V 50Hz 1,5kW |
| Spindle speed | 1500 / 4000 / 6000 rpm |
| Spindle diameter | 30 mm |
| Spindle travel | 105 mm |
| Table well diameter | 160 mm |
| Cast iron working tables | 600 x 400 mm |
| Cast iron sliding carriage | 400 x 250 mm |
| Sliding carriage guide | 700 mm |
| Tables height | 850 mm |
| Dimensions | 74 x 66 x 98 cm |
| Sound pressure at operator's position | 85.3 ± 2.94 dB(A) |
| Acoustic power level | 98.3 ± 2.94 dB(A) |
| Net weight | 110 kg |

0559/T
SANDING DRUM

Abrasive belt not included


0504
PANEL SAW MOULDER

Bench saw, sliding carriage, scoring blade, spindle moulder, and sanding drum at 1500rpm.

| | |
|-----------------------------------|--------------------------|
| Tables height | 840 mm |
| Overall dimensions | 1670 x 1200 x 1050 mm |
| BENCH SAW | |
| Main table dimensions | 1045 x 800 mm |
| Blade dimensions | Ø 254 x 3.2 x 30 mm 24 Z |
| Blade speed | 4050 rpm |
| Cut height | 65 mm 90° - 45 mm 45° |
| SLIDING CARRIAGE | |
| Max cutting length with saw bench | 1070 mm |
| Sliding table | 1200 x 840 mm |
| SCORING BLADE | |
| Blade dimensions | Ø 80 x 3.2 x 20 mm 8 Z |
| Blade speed | 6300 rpm |
| SPINDLE MOULDER | |
| Arbor size | Ø 30 mm |
| Spindle travel | 130 mm |
| Spindle speed | 1500 / 4000 / 6000 rpm |
| SANDING DRUM | |
| Dimensions | Ø 100 x 100h mm |
| Spindle speed | 1500 rpm |
| Motor | 2 x 230 V 50 Hz 2.2 kW |
| Net weight | 250 kg |


0665
PARTIALLY ASSEMBLED PANEL SAW


| | |
|-----------------------------------|------------------------|
| Blade | 250 x 3 x 30 mm Z 40 |
| Blade speed | 2800 rpm |
| Main table dimensions | 800 x 560 mm |
| Extension table dimensions | 800 x 305 mm |
| Working height | 860 mm |
| Max cut depth at 45° | 60 mm |
| Max cut depth at 90° | 75 mm |
| Sliding table | 500 x 600 mm |
| Overall dimensions | 1860 x 2030 x 1070h mm |
| Motor | 230 V 50 Hz 2,2 kW |
| Max cutting length with saw bench | 1460 mm |
| Net weight | 230 kg |



0656/254
PANEL SAW

Capacity 254 mm, partially assembled.



| | |
|-----------------------------------|------------------------|
| Blade dimensions | 254 x 30 x 3,2 mm 40 T |
| Blade speed | 4000 rpm |
| Main table dimensions | 790 x 350 mm |
| Extension table dimensions | 350 x 350 mm |
| Working height | 850 mm |
| Cutting depth at 90° | 80 mm |
| Cutting depth at 45° | 56 mm |
| Sliding table | 1320 x 238 mm |
| Motor | 230 V 50 Hz 2,2 kW |
| Max cutting length with saw bench | 1250 mm |
| Net weight | 150 kg |


0656/310
PANEL SAW

Capacity 315 mm, partially assembled.



| | |
|-----------------------------------|------------------------|
| Blade dimensions | 315 x 30 x 3,2 mm 40 T |
| Blade speed | 4000 rpm |
| Main table dimensions | 790 x 350 mm |
| Extension table dimensions | 350 x 350 mm |
| Working height | 850 mm |
| Cutting depth at 90° | 100 mm |
| Cutting depth at 45° | 70 mm |
| Sliding table | 1320 x 238 mm |
| Motor | 230 V 50 Hz 2,2 kW |
| Max cutting length with saw bench | 1400 mm |
| Net weight | 175 kg |


0280
CIRCULAR SAW BENCH

Professionale, equipped with hard metal blade with blade guards, piece guide, mobile table, wheels for moving.

| | |
|-----------------------|----------------------|
| Table dimensions | 800 x 550 mm |
| Table extension | 800 x 550 mm |
| Working height | 810 mm |
| Steel thickness | 2 mm |
| Cutting depth at 90° | 90 mm |
| Cutting depth at 45° | 50 mm |
| Blade dimensions | 315 x 3 x 30 mm Z 36 |
| Tilting saw blade | 45° |
| Sliding carriage | 1160 mm |
| Sliding carriage dim. | 230 x 230 mm |
| Motor speed | 2800 rpm |
| Motor | 230 V 50 Hz 2,2 kW |
| Net weight | 60 kg |



0871

SLIDE COMPOUND MITRE SAW

With laser beam indicator of the cutting line.



| | |
|--------------------------------|--------------------------|
| Saw blade | Ø 305 x 30 x 3,2 mm Z 40 |
| Max cutting capacity 0° - 90° | 340 x 100 mm |
| Max cutting capacity 45° - 90° | 240 x 100 mm |
| Sliding travel | 215 mm |
| Motor | 230 V 50 Hz 2 kW |
| Motor speed | 4500 rpm |
| Net weight | 25 kg |



0870/250

MITRE SAW

With upper table for usage as saw bench



| | |
|-----------------------------------|--------------------------|
| Saw blade | Ø 250 x 30 x 2,5 mm Z 36 |
| Max cutting capacity 0° - 90° | 75 x 130 mm |
| Max cutting capacity 45° - 45° | 75 x 50 mm |
| Max cutting capacity 45° - 90° | 75 x 90 mm |
| Max cutting capacity 0° - 45° | 50 x 130 mm |
| Max cutting capacity, upper table | 40 mm |
| Motor | 230 V 50 Hz 1,8 kW |
| Motor speed | 4500 rpm |
| Peripheral speed disc | 59 m/s |
| Net weight | 15,5 kg |



0365

PORTABLE UNIVERSAL MITRE SAW STAND

Foldable.

| | |
|------------------------------------|-----------------------|
| Working height | 945 mm |
| Extension height | 1030 - 1180 mm |
| Stand length | 1360 mm |
| Extensions height operation length | 1360 - 3040 mm |
| Clamp size | 505 x 35 x 90 mm |
| Dimensions | 1620 x 825 x 1075h mm |
| Capacity | 220 kg |
| Net weight | 17,5 kg |



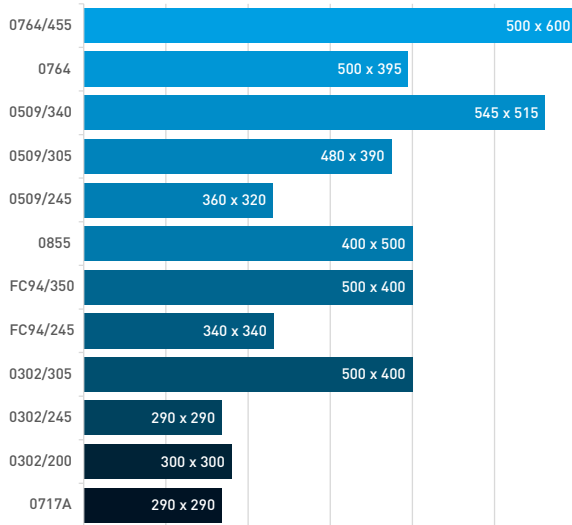
WOOD BAND SAW

0764/455**0764****0509/340****0509/305****0509/245****0855****FC94/350****FC94/245****0302/305****0302/245****0302/200****0717A**

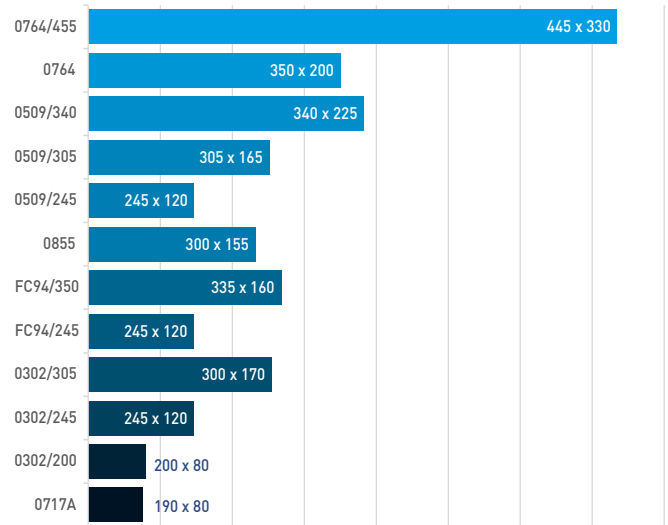


WOOD BAND SAW

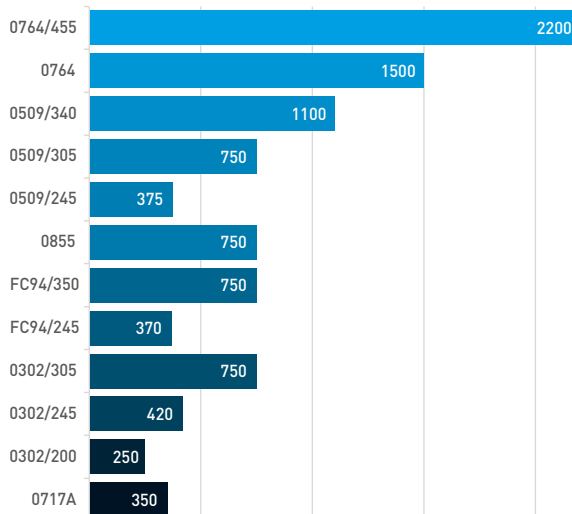
Table dimensions (mm)



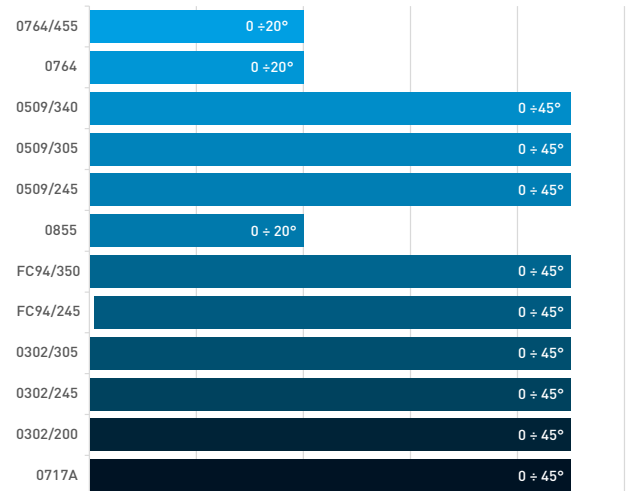
Cutting capacity (mm)



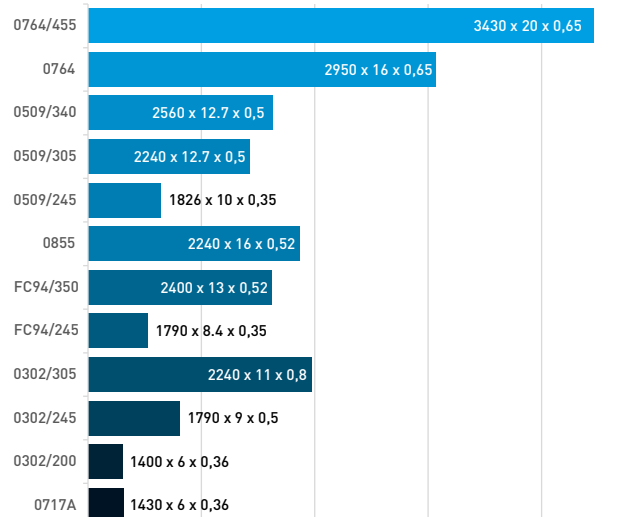
Power (W)



Tilting table



Blade dimensions



0764/455
WOOD BAND SAW

With adjustable work table and protractor for high precision. Blade protection device.



| | |
|------------------|------------------------|
| Saw wheel | Ø 455 mm |
| Cutting capacity | 445 x 330h mm |
| Blade | 3430 x 20 x 0,65 mm T4 |
| Table dimensions | 500 x 600 x 40h mm |
| Cutting speed | 10 m/s |
| Tilting table | 0 ÷ 20° |
| Working height | 950 mm |
| Dimensions | 1000 x 900 x 1860h mm |
| Motor | 230 V 50 Hz 2,2 kW |
| Net weight | 200 kg |

0764
WOOD BAND SAW

With adjustable work table and protractor for high precision. Blade protection device.



| | |
|------------------|------------------------|
| Saw wheel | Ø 405 mm |
| Cutting capacity | 350 x 200h mm |
| Blade | 2950 x 16 x 0,65 mm T4 |
| Table dimensions | 500 x 395 mm |
| Cutting speed | 10 m/s |
| Tilting table | 0 ÷ 20° |
| Working height | 995 mm |
| Motor | 230 V 50 Hz 1,5 kW |
| Dimensions | 750 x 650 x 1710 h mm |
| Net weight | 130 kg |

0509/340**WOOD BAND SAW**

With accessory for circular cutting, Led lamp and sawdust collector drawer.



| | |
|------------------|-------------------------|
| Saw wheel | Ø 347 mm |
| Cutting capacity | 340 x 225 mm |
| Blade | 2560 x 12.7 x 0.5 mm T4 |
| Table dimensions | 545 x 515 mm |
| Cutting speed | 6-12 m/s |
| Tilting table | 0-45° |
| Working height | 1010 mm |
| Motor | 230 V 50 Hz 1.1 kW |
| Dimensions | 900 x 670 x 1720 h mm |
| Net weight | 70 kg |

**0509/305****WOOD BAND SAW**

With accessory for circular cutting, Led lamp and sawdust collector drawer.



| | |
|------------------|-------------------------|
| Saw wheel | Ø 314 mm |
| Cutting capacity | 305 x 165 mm |
| Blade | 2240 x 12.7 x 0.5 mm T4 |
| Table dimensions | 480 x 390 mm |
| Cutting speed | 6-12 m/s |
| Tilting table | 0 ÷ 45° |
| Working height | 990 mm |
| Motor | 230 V 50 Hz 0.75 kW |
| Dimensions | 700 x 600 x 1585 h mm |
| Net weight | 62 kg |

**0509/245****WOOD BAND SAW**

With accessory for circular cutting, Led lamp and sawdust collector drawer.



| | |
|------------------|------------------------|
| Saw wheel | Ø 254 mm |
| Cutting capacity | 245 x 100 mm |
| Blade | 1826 x 10 x 0.35 mm T6 |
| Table dimensions | 360 x 320 mm |
| Cutting speed | 6.7 ÷ 13.3 m/s |
| Tilting table | 0 ÷ 45° |
| Working height | 925 mm |
| Motor | 230V 50Hz 0.375kW |
| Dimensions | 750 x 480 x 1420 mm |
| Net weight | 37 kg |

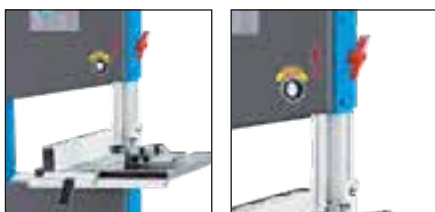


0855
WOOD BAND SAW


| | |
|------------------|----------------------------|
| Saw wheel | Ø 315 mm |
| Blade | 2240 x 16 x 0,52 mm T4 |
| Cutting capacity | 300 x 155 mm |
| Table dimensions | 400 x 500 mm |
| Cutting speed | 6 - 12 m/s 370 - 800 rpm |
| Tilting table | 0 ÷ 20° |
| Working height | 1010 mm |
| Motor | 230 V 50 Hz 0,75 kW |
| Dimensions | 650 x 650 x 1610 h mm |
| Net weight | 75 kg |


FC94/350
14" WOOD BAND SAW


| | |
|------------------|------------------------|
| Saw wheel | Ø 350 mm |
| Cutting capacity | 335 x 160 mm |
| Blade | 2400 x 13 x 0.52 mm T4 |
| Table dimensions | 500 x 400 mm |
| Cutting speed | 10 ÷ 12 m/s |
| Tilting table | 0 ÷ 45° |
| Working height | 1015 mm |
| Motor | 230 V 50 Hz 0.75 kW |
| Dimensions | 730 x 620 x 1540 h mm |
| Net weight | 79 kg |


FC94/245
10" WOOD BAND SAW


| | |
|------------------|-------------------------|
| Saw wheel | Ø 255 mm |
| Cutting capacity | 245 x 120 mm |
| Blade | 1790 x 8.4 x 0.35 mm T6 |
| Table dimensions | 340 x 340 mm |
| Cutting speed | 11 ÷ 16 m/s |
| Tilting table | 0 ÷ 45° |
| Working height | 1000 mm |
| Motor | 230 V 50 Hz 0.37 kW |
| Dimensions | 420 x 250 x 800 h mm |
| Net weight | 29 kg |



**0302/305****WOOD BAND SAW**

With aluminium table.



| | |
|------------------|-----------------------|
| Saw wheel | ø 315 mm |
| Cutting capacity | 300 x 170 mm |
| Blade | 2240 x 11 x 0.8 mm T6 |
| Table dimensions | 500 x 400 mm |
| Cutting speed | 6 ÷ 12 m/s |
| Tilting table | 0° ÷ 45° |
| Working height | 960 mm |
| Motor | 230 V 50 Hz 0.75 kW |
| Dimensions | 800 x 500 x 1580 h mm |
| Net weight | 58 kg |

0302/245**WOOD BAND SAW**

With aluminium table.



| | |
|------------------|-----------------------|
| Saw wheel | Ø 255 mm |
| Cutting capacity | 245 x 120 mm |
| Blade | 1790 x 9 x 0.5 mm T6 |
| Table dimensions | 290 x 290 mm |
| Cutting speed | 11 ÷ 16 m/s |
| Tilting table | 0° ÷ 45° |
| Working height | 1000 mm |
| Motor | 230 V 50 Hz 0.42 kW |
| Dimensions | 600 x 400 x 1480 h mm |
| Net weight | 28 kg |

0302/200**WOOD BAND SAW**

With steel table.



| | |
|------------------|-----------------------|
| Saw wheel | Ø 210 mm |
| Cutting capacity | 200 x 80h mm |
| Blade | 1400 x 6 x 0,36 mm T6 |
| Table dimensions | 300 x 300 mm |
| Cutting speed | 15 m/s |
| Tilting table | 0 ÷ 45° |
| Dimensions | 450 x 390 x 680 h mm |
| Motor | 230 V 50 Hz 0,25 kW |
| Net weight | 17 kg |

0717A**WOOD BAND SAW**

With adjustable work table and protractor for high precision. Blade protection device.



| | |
|------------------|-----------------------|
| Saw wheel | Ø 200 mm |
| Blade | 1430 x 6 x 0,36 mm T6 |
| Cutting capacity | 190 x 80h mm |
| Table dimensions | 290 x 290 mm |
| Cutting speed | 13,7 m/s |
| Tilting table | 0 ÷ 45° |
| Motor | 230 V 50 Hz 0,35 kW |
| Dimensions | 430 x 355 x 665 h mm |
| Net weight | 17 kg |

0523
TILTING BENCH BELT SANDER

Can be used with sanding belt horizontally or vertically. With workpiece holder, abrasive belt and disc. Tilting work table in cast aluminum. Trailed aluminum roller on bearings. Heavy base suitable for heavy work. To be used exclusively for working with wood and plastic materials.



| | |
|------------------|--------------------|
| Dimensions | 530 x 430 x 330 mm |
| Motor | 230V 50Hz 375 W |
| Belt | 914 x 100 mm |
| Belt speed | 336 m/min |
| Grit belt | 80 |
| Disc diameter | Ø 150 mm |
| Grit Disc | 80 |
| Round speed | 1850 rpm |
| Tilting table | 0 ÷ 45° |
| Table dimensions | 176 x 136 mm |
| Net weight | 19.5 kg |


0505
TILTING BENCH BELT SANDER

Can be used with sanding belt horizontally or vertically. With workpiece holder, abrasive belt and disc. Tilting work table in cast aluminum. Trailed aluminum roller on bearings. To be used exclusively for working with wood and plastic materials.



| | |
|---------------|---------------------|
| Dimensions | 460 x 380 x 270h mm |
| Motor | 230V 50 Hz 500 W |
| Belt | 914 x 100 mm |
| Belt speed | 420 m/min |
| Grit belt | 80 |
| Disc diameter | Ø 150 mm |

| | |
|------------------|--------------|
| Grit Disc | 80 |
| Round speed | 2850 rpm |
| Tilting table | 0 ÷ 45° |
| Table dimensions | 225 x 155 mm |
| Net weight | 18 kg |


0564
TILTING BENCH BELT SANDER

Can be used with sanding belt horizontally or vertically. With workpiece holder, abrasive belt and disc. Tilting work table in extruded aluminum. Quick belt change system. Trailed plastic roller on bearings. To be used exclusively for working with wood and plastic materials.



| | |
|------------------|--------------------|
| Dimensions | 470 x 360 x 290 mm |
| Motor | 230V 50 Hz 370 W |
| Belt | 914 x 100 mm |
| Belt speed | 450 m/min |
| Grit belt | 80 |
| Disc diameter | Ø 150 mm |
| Grit Disc | 80 |
| Round speed | 2980 rpm |
| Tilting table | 0 ÷ 45° |
| Table dimensions | 226 x 160 mm |
| Net weight | 16,5 kg |



0138

TILTING BENCH BELT SANDER

With tilting tables.



| | |
|-----------------------|------------------------------|
| Dimensions | 630 x 370 x 495h mm |
| Belt | 25 x 1075 mm |
| Belt speed | 8,5 m/s |
| Disc diameter | 200 mm |
| Motor | 230 V 50 Hz 0,45 kW 1450 rpm |
| Table dimensions band | 180 x 150 mm |
| Table dimensions disc | 250 x 120 mm |
| Net weight | 26 kg |

0765

SCROLL SAW VARIABLE SPEED

Strong body, tilting table, suitable to cut balsa and plywood.

0753/L

BLADES SET



0753/A

BLADE ADAPTER



| | |
|---------------------|---------------------|
| Cutting capacity | 400 x 50h mm |
| Blade length | 127 mm |
| Oscillations | 800 ÷ 1400 rpm |
| Plate Dimensions | 410 x 250 mm |
| Tilting table | 0 ÷ 45° sx |
| Base dimensions | 230 x 390 mm |
| Motor | 230 V 50 Hz 0,12 kW |
| Working temperature | from -5°C to +50°C |
| Net weight | 14 kg |

0144

SCROLL SAW VARIABLE SPEED

With Led lamp. Strong body, tilting table, suitable to cut balsa, plywood, soft woods, plastic and no ferrous metal.

0753/L

BLADES SET



0753/A

BLADE ADAPTER



| | |
|------------------|---------------------|
| Cutting capacity | 457 x 50h mm |
| Blade length | 127 mm |
| Oscillations | 550 ÷ 1650 rpm |
| Plate Dimensions | 480 x 250 mm |
| Tilting table | 0 ÷ 45° sx |
| Base dimensions | 220 x 420 mm |
| Motor | 230 V 50 Hz 0,12 kW |
| Net weight | 16 kg |

0720

PRECISION MITRE SAW

With depth of cut adjustment, corner selection lever.

0720/L

BLADE



| | |
|------------------|-------------|
| Cut height | 110 mm |
| Cut width | 120 mm |
| Cutting tilting | 0° ± 45° |
| Base | 400 x 80 mm |
| Blade dimensions | 550 x 45 mm |
| Net weight | 4 kg |

S015

MANUAL LOG SPLITTER

Foot operated, to split logs into small parts to light fire.



| | |
|---------------------|----------------|
| Log capacity | Ø 254 x 460 mm |
| Max splitting force | 1,2 ton |
| Blade dimensions | 100 x 80h mm |
| Net weight | 8,5 kg |

S009

VERTICAL HEAVY DUTY LOG SPLITTER

7 ton, with cross log splitter.



| | |
|-------------------------|------------------|
| Height working capacity | 120 ÷ 540 mm |
| Log capacity | Ø 50 ÷ 320 mm |
| Max splitting force | 7 ton |
| Motor | 230 V 50 Hz 3 kW |
| No-load speed | 2950 rpm |
| Net weight | 120 kg |



0496

DUST COLLECTOR



| | |
|------------|-------------------------|
| Inlet size | 3 x Ø 100 mm |
| Air flow | 3900 m ³ / h |
| Motor | 230 V 50 Hz 2.2 kW |
| Cloth bag | Ø 510 mm |
| Dimensions | 1450 x 800 x 2000 mm |
| Net weight | 48 kg |



0759

DUST COLLECTOR

Partially assembled.



| | |
|-----------------|-------------------------|
| Inlet size | 2 x Ø 100 mm |
| Air flow | 2500 m ³ / h |
| Filtration rate | 5 micron |
| Cloth bag | Ø 510 mm |
| Motor speed | 2950 rpm |
| Vacuum suction | 1.95 kPa |
| Motor | 230 V 50 Hz 1.5 kW |
| Dimensions | 840 x 560 x 1800 h mm |
| Net weight | 40 kg |



0756

DUST COLLECTOR

Partially assembled.



| | |
|-----------------|------------------------|
| Inlet size | 100 mm |
| Air flow | 850 m ³ / h |
| Filtration rate | 5 micron |
| Cloth bag | Ø 370 mm |
| Motor speed | 2950 rpm |
| Vacuum suction | 1.08 kPa |
| Motor | 230 V 50 Hz 0.75 kW |
| Dimensions | 500 x 600 x 1700 h mm |
| Net weight | 23 kg |



0507

DUST COLLECTOR

Partially assembled.



| | |
|-----------------|------------------------|
| Inlet size | 100 mm |
| Air flow | 900 m ³ / h |
| Filtration rate | 5 micron |
| Cloth bag | Ø 320 mm |
| Motor speed | 2840 rpm |
| Vacuum suction | 0.70 kPa |
| Motor | 230 V 50 Hz 0.55 kW |
| Dimensions | 500 x 600 x 1700 h mm |
| Net weight | 18 kg |



0495

PORTABLE DUST COLLECTOR

With wheels for wood band saw and mitre saw.



| | |
|------------|------------------------|
| Inlet size | 100 mm |
| Air flow | 830 m ³ / h |
| Cloth bag | Ø 380 mm |
| Motor | 230 V 50 Hz 0.75 kW |
| Dimensions | 395 x 325 x 350 mm |
| Net weight | 14 kg |

0759/F
FILTER BAG



Dimensions \varnothing 510 mm x 855h mm

0759/S
PLASTIC BAG SET



10 Pcs



Dimensions \varnothing 510 mm x 855h mm

0756/F
FILTER BAG



Dimensions \varnothing 370 mm x 590h mm

0756/S
PLASTIC BAG SET



10 Pcs



Dimensions \varnothing 370 mm x 590h mm

0756/T
PLASTIC HOSE FITTING
With metal core.



Max length 2 m
Diameter 100 mm

0756/Y
Y FITTING



Diameter 100 mm

0507/Y
Y FITTING



Dimensions 150 x 110 x 170h mm
Inlet size 2 x \varnothing 35 mm
Diameter 100 mm

0507/14
PLASTIC BAG SET



10 Pcs



Dimensions \varnothing 330 mm x 500h mm

0507/15
FILTER BAG



Dimensions \varnothing 320 mm x 590h mm

0507/07
PLASTIC HOSE FITTING
With metal core.



Length 2 m mm
Diameter 100 mm

0507/4R
FITTING WITH 4 DIAMETERS

Reduction from hose of 100 mm to: 70 mm
50 mm 40 mm 35 mm.



Diameter 100 mm

0495/24
FILTER BAG

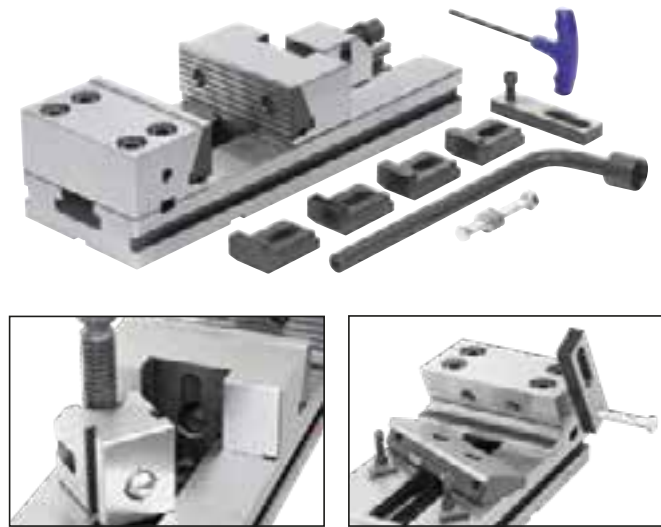
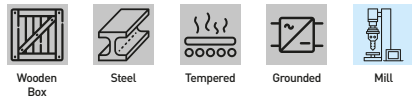
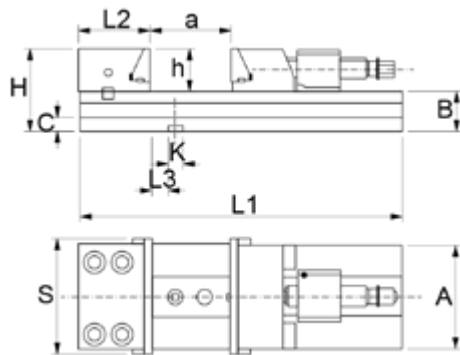


Dimensions \varnothing 380 mm x 530h mm

M011-

HIGH PRECISION MODULAR VICE

Suitable for jobs where precision, reliability, availability and secure locking are required. Suitable for precision milling and grinding work on both manual machines and CNC machining centers. Ground sliding surfaces. Equipped with prismatic descending jaws when tightening. With fasteners and adjustment keys. Accuracy 0.02 mm and hardness 57-62 HRC.

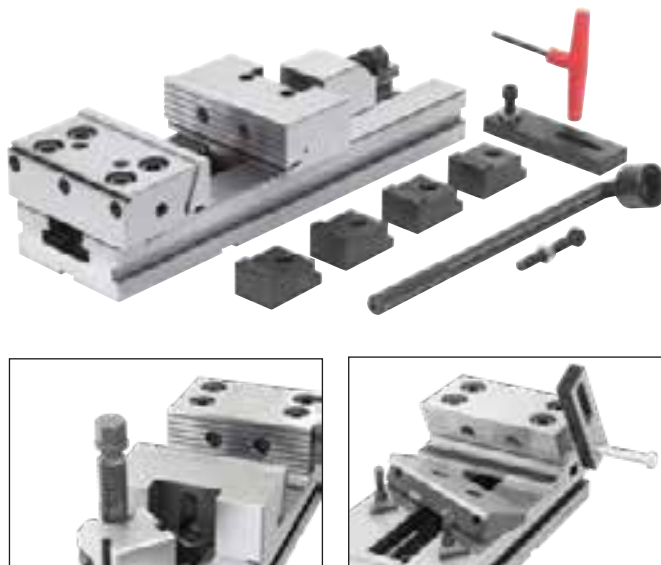
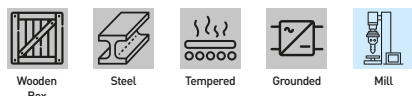
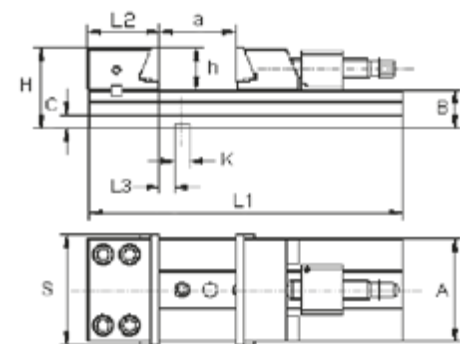


| Art. | Jaw dimensions | S | A | B | C | H | L1 | L2 | L3 | h | Kh7 | a | Net weight |
|--------------|----------------|--------|--------|-------|-------|--------|--------|-------|---------|-------|-------|--------|------------|
| M011/125/150 | 125 x 50h mm | 125 mm | 125 mm | 40 mm | 15 mm | 90 mm | 350 mm | 80 mm | 25,6 mm | 50 mm | 16 mm | 150 mm | 19 kg |
| M011/150/210 | 150 x 60h mm | 150 mm | 150 mm | 50 mm | 20 mm | 110 mm | 435 mm | 93 mm | 25,6 mm | 60 mm | 16 mm | 210 mm | 35 kg |
| M011/150/300 | 150 x 60h mm | 150 mm | 150 mm | 50 mm | 20 mm | 110 mm | 525 mm | 93 mm | 25,6 mm | 60 mm | 16 mm | 300 mm | 35 kg |

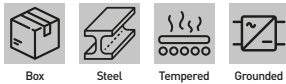
M028-

HIGH PRECISION MODULAR VICE

Suitable for jobs where precision, reliability, availability and secure locking are required. Suitable for precision milling and grinding work on both manual machines and CNC machining centers. Ground sliding surfaces. Equipped with prismatic descending jaws when tightening. With fasteners and adjustment keys. Accuracy 0.02 mm and hardness 57-62 HRC.



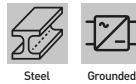
| Art. | Jaw dimensions | S | A | B | C | H | L1 | L2 | L3 | h | Kh7 | a | Net weight |
|--------------|----------------|--------|--------|-------|-------|--------|--------|----------|---------|-------|-------|--------|------------|
| M028/100/100 | 100 x 30h mm | 100 mm | 75 mm | 35 mm | 15 mm | 65 mm | 270 mm | 77,9 mm | 25,6 mm | 30 mm | 16 mm | 100 mm | 7 kg |
| M028/125/150 | 125 x 40h mm | 125 mm | 95 mm | 40 mm | 15 mm | 80 mm | 345 mm | 77,9 mm | 25,6 mm | 40 mm | 16 mm | 150 mm | 13 kg |
| M028/150/200 | 150 x 50h mm | 150 mm | 125 mm | 50 mm | 20 mm | 100 mm | 420 mm | 89,4 mm | 25,6 mm | 50 mm | 16 mm | 200 mm | 26 kg |
| M028/150/300 | 150 x 50h mm | 150 mm | 125 mm | 50 mm | 20 mm | 100 mm | 520 mm | 89,4 mm | 25,6 mm | 50 mm | 16 mm | 300 mm | 30 kg |
| M028/150/400 | 150 x 50h mm | 150 mm | 125 mm | 50 mm | 20 mm | 100 mm | 620 mm | 89,4 mm | 25,6 mm | 50 mm | 16 mm | 400 mm | 34 kg |
| M028/175/200 | 175 x 60h mm | 175 mm | 145 mm | 58 mm | 20 mm | 118 mm | 455 mm | 96,9 mm | 25,6 mm | 60 mm | 16 mm | 200 mm | 40 kg |
| M028/175/300 | 175 x 60h mm | 175 mm | 145 mm | 58 mm | 20 mm | 118 mm | 555 mm | 96,9 mm | 25,6 mm | 60 mm | 16 mm | 300 mm | 43 kg |
| M028/175/400 | 175 x 60h mm | 175 mm | 145 mm | 58 mm | 20 mm | 118 mm | 655 mm | 96,9 mm | 25,6 mm | 60 mm | 16 mm | 400 mm | 50 kg |
| M028/175/500 | 175 x 60h mm | 175 mm | 145 mm | 58 mm | 20 mm | 118 mm | 755 mm | 96,9 mm | 25,6 mm | 60 mm | 16 mm | 500 mm | 50 kg |
| M028/200/300 | 200 x 65h mm | 200 mm | 170 mm | 70 mm | 26 mm | 135 mm | 595 mm | 113,4 mm | 25,6 mm | 65 mm | 16 mm | 300 mm | 69 kg |
| M028/200/400 | 200 x 65h mm | 200 mm | 170 mm | 70 mm | 26 mm | 135 mm | 695 mm | 113,4 mm | 25,6 mm | 65 mm | 16 mm | 400 mm | 74 kg |
| M028/200/500 | 200 x 65h mm | 200 mm | 170 mm | 70 mm | 26 mm | 135 mm | 795 mm | 113,4 mm | 25,6 mm | 65 mm | 16 mm | 500 mm | 79 kg |
| M028/200/600 | 200 x 65h mm | 200 mm | 170 mm | 70 mm | 26 mm | 135 mm | 895 mm | 113,4 mm | 25,6 mm | 65 mm | 16 mm | 600 mm | 84 kg |

M011-xG
SPARE PART JAWS


| Art. | Description | Jaw dimensions |
|------------|----------------------|----------------|
| M011/125GP | Prismatic jaw | 125 x 40h mm |
| M011/125GR | Pair of striped jaws | 125 x 40h mm |
| M011/150GP | Prismatic jaw | 150 x 45h mm |
| M011/150GR | Pair of striped jaws | 150 x 45h mm |


M028-xG
SPARE PRISMATIC JAWS

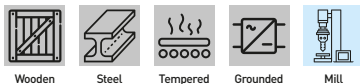

| Art. | Dimensions |
|----------------|----------------|
| M028/100GP | 100 x 24,5h mm |
| M028M029/125GP | 125 x 32h mm |
| M028M029/150GP | 150 x 40h mm |
| M028/175GP | 175 x 43h mm |
| M028/200GP | 200 x 53h mm |

M028-xGR
SPARE RIBBED JAWS


| Art. | Jaw dimensions |
|------------|----------------|
| M028/100GR | 100 x 30h mm |
| M028/125GR | 125 x 40h mm |
| M028/150GR | 150 x 50h mm |
| M028/175GR | 175 x 60h mm |
| M028/200GR | 200 x 65h mm |

M061
ANGLE PRECISION VICE

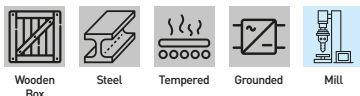
With screw closure, sine-bar with longitudinal opening. Couplings ground with high precision. Accuracy indicated on parallelism and quadrature. Ideal for grinding, EDM, milling and measuring systems.



| | |
|----------------------|--------------|
| Length | 235 mm |
| Jaw dimensions | 88 x 40 h mm |
| Pins center distance | 100 mm |
| Opening | 120 mm |
| Accuracy | 0,005 mm |
| Tilting | 0° ÷ 45° |
| Net weight | 12,5 kg |


M012-
PRECISION MEASURING MILLING VICE

Quick-release. Couplings ground with high precision. Accuracy indicated on parallelism and quadrature. Ideal for grinding, EDM, milling and measuring systems.

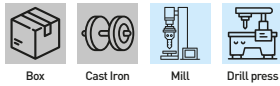
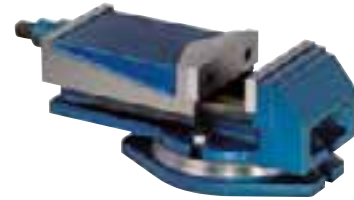


| Art. | Dimensions | Opening | Jaw height | Accuracy |
|----------|--------------------|---------|------------|----------|
| M012/038 | 38 x 105 x 45h mm | 44 mm | 25 mm | 0,005 mm |
| M012/050 | 50 x 140 x 50h mm | 65 mm | 25 mm | 0,005 mm |
| M012/080 | 73 x 190 x 67h mm | 110 mm | 35 mm | 0,005 mm |
| M012/100 | 100 x 245 x 90h mm | 125 mm | 45 mm | 0,005 mm |



M023-
MILLING MACHINE VICE WITH 360° SWIVEL BASE

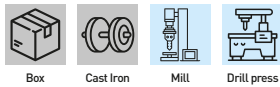
With interchangeable jaws in hardened and ground steel. Sliding parts ground. Fully covered screw. With crank.



| Art. | Jaws | Opening | Dimensions | Base dimensions | Slot distance | Slot | Net weight |
|----------|-------------|---------|---------------------|-----------------|---------------|-------|------------|
| M023/100 | 100 x 35 mm | 80 mm | 310 x 165 x 130h mm | 215 x 165 mm | 195 mm | 14 mm | 11 kg |
| M023/125 | 125 x 40 mm | 100 mm | 355 x 190 x 127h mm | 215 x 165 mm | 195 mm | 14 mm | 15 kg |
| M023/160 | 160 x 50 mm | 125 mm | 422 x 235 x 162h mm | 300 x 235 mm | 275 mm | 18 mm | 30 kg |
| M023/200 | 200 x 61 mm | 160 mm | 490 x 270 x 175h mm | 360 x 280 mm | 315 mm | 18 mm | 47 kg |

M014-
MILLING MACHINE VICE WITH 360° SWIVEL BASE

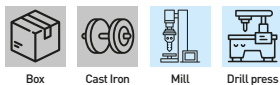
With interchangeable jaws in hardened and ground steel. Sliding parts ground. Fully covered screw. With crank.



| Art. | Jaws | Opening | Dimensions | Base dimensions | Slot distance | Slot | Net weight |
|----------|-------------|---------|---------------------|-----------------|---------------|-------|------------|
| M014/080 | 80 x 30 mm | 60 mm | 195 x 110 x 91h mm | 110 x 154 mm | 130 mm | 14 mm | 4,5 kg |
| M014/100 | 100 x 35 mm | 75 mm | 242 x 129 x 106h mm | 135 x 186 mm | 160 mm | 14 mm | 9 kg |
| M014/125 | 125 x 40 mm | 95 mm | 285 x 166 x 126h mm | 166 x 210 mm | 185 mm | 14 mm | 14 kg |
| M014/160 | 160 x 52 mm | 120 mm | 390 x 218 x 166h mm | 218 x 275 mm | 245 mm | 18 mm | 28 kg |
| M014/200 | 200 x 63 mm | 150 mm | 440 x 239 x 183h mm | 239 x 315 mm | 275 mm | 18 mm | 40 kg |

M024-
MILLING MACHINE VICE WITH 360° SWIVEL BASE

With interchangeable jaws in hardened and ground steel. Sliding parts ground. Uncovered vine. With crank and fixing screws.

M024/250


| Art. | Jaws | Opening | Dimensions | Base dimensions | Slot distance | Slot | Net weight |
|----------|-------------|---------|---------------------|-----------------|---------------|-------|------------|
| M024/136 | 136 x 32 mm | 170 mm | 375 x 162 x 123h mm | 223 x 165 mm | 200 mm | 14 mm | 14 kg |
| M024/160 | 160 x 50 mm | 180 mm | 402 x 182 x 142h mm | 252 x 182 mm | 225 mm | 14 mm | 23 kg |
| M024/200 | 200 x 63 mm | 220 mm | 470 x 234 x 172h mm | 290 x 222 mm | 260 mm | 18 mm | 33 kg |
| M024/250 | 250 x 45 mm | 320 mm | 612 x 280 x 186h mm | 290 x 270 mm | 245 mm | 18 mm | 50 kg |

M530-
TILTING MILLING MACHINE VICE WITH 360° SWIVEL BASE

With interchangeable jaws in hardened and ground steel. Sliding parts ground. Fully covered screw. With crank and fixing screws.



| Art. | Jaws | Opening | Tilting | Dimensions | Base dimensions | Slot distance | Slot | Net weight |
|----------|-------------|---------|----------|---------------------|-----------------|---------------|-------|------------|
| M530/100 | 100 x 32 mm | 90 mm | 0° - 90° | 325 x 180 x 150h mm | 250 x 180 mm | 230 mm | 14 mm | 15 kg |
| M530/125 | 125 x 40 mm | 100 mm | 0° - 90° | 360 x 206 x 165h mm | 290 x 226 mm | 260 mm | 18 mm | 24 kg |
| M530/160 | 160 x 50 mm | 125 mm | 0° - 90° | 443 x 270 x 194h mm | 325 x 250 mm | 300 mm | 18 mm | 35 kg |

M017-
NEW
DRILL PRESS VICE HEAVY DUTY

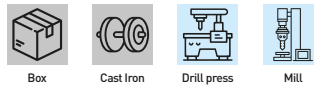
Equipped with prismatic jaws, with screw protection from dust and other residues.



| Art. | Jaws | Jaw height | Opening | Base dimensions | Net weight |
|----------|--------|------------|---------|-----------------|------------|
| M017/080 | 80 mm | 25 mm | 87 mm | 185 x 155 mm | 4,3 Kg |
| M017/100 | 100 mm | 32 mm | 100 mm | 230 x 200 mm | 7,8 Kg |

M027-
DRILL PRESS VICE

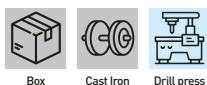
Equipped with scraped guides for greater precision and better sliding.



| Art. | Jaws | Opening | Base dimensions | Net weight |
|----------|-------------|---------|-----------------|------------|
| M027/100 | 100 x 40 mm | 100 mm | 290 x 170 mm | 8 kg |
| M027/140 | 140 x 50 mm | 140 mm | 375 x 230 mm | 12 kg |
| M027/200 | 200 x 60 mm | 200 mm | 485 x 295 mm | 25 kg |

M016-
NEW
MACHINE VICE HORIZONTAL - VERTICAL

Equipped with a prismatic and a smooth jaw, constant overall length thanks to the screw inserted in the handle. Adjusted to 3 positions so that it can be fixed in horizontal, vertical and lateral positions.



| Art. | Jaws | Jaw height | Opening | Base dimensions | Net weight |
|----------|--------|------------|---------|-----------------|------------|
| M016/075 | 75 mm | 30 mm | 70 mm | 150 x 142 mm | 3 Kg |
| M016/100 | 100 mm | 30 mm | 95 mm | 175 x 160 mm | 4,3 Kg |

M001-
DRILL PRESS VICE

Equipped with a prismatic jaw and a smooth jaw. Constant overall length thanks to the screw inserted in the handle.



| Art. | Jaws | Opening | Base dimensions | Net weight |
|----------|--------|---------|-----------------|------------|
| M001/100 | 100 mm | 80 mm | 182 x 156 mm | 4 kg |
| M001/120 | 120 mm | 110 mm | 200 x 175 mm | 5 kg |
| M001/150 | 150 mm | 135 mm | 230 x 195 mm | 7 kg |

0142-
DRILL PRESS VICE

Equipped with a prismatic jaw and a smooth jaw.



| Art. | Jaws | Opening | Base dimensions | Net weight |
|----------|---------------|---------|-----------------|------------|
| 0142/75 | 75 X 24 mm | 55 mm | 123 x 115 mm | 1,5 kg |
| 0142/100 | 100 x 25,5 mm | 85 mm | 160 x 155 mm | 2,5 kg |
| 0142/125 | 125 x 30 mm | 100 mm | 182 x 182 mm | 4 kg |

0698/100

TILTING VICE

Ideal for drilling with any angle of attack.



| | |
|---------------|----------------------------|
| Jaws | 105 x 47 mm |
| Opening | 105 mm |
| Tilting | 0°-15°-30°-45°-60°-75°-90° |
| Base | 192 x 185 mm |
| Slot distance | 160 mm |
| Dimensions | 192 x 185 x 115h mm |
| Net weight | 8 kg |

M034/120

QUICK ACTING DRILL PRESS VICE

With prismatic jaw and swivel base.



| | |
|-----------------|--------------|
| Jaws | 120 x 40 mm |
| Opening | 120 mm |
| Base dimensions | 220 x 130 mm |
| Slot | 14 mm |
| Net weight | 7 kg |

0188-

2 - WAY CROSS VICE

Useful for performing precision drilling or tapping operations thanks to the longitudinal and lateral movement without removing the piece from the vice.



| Art. | Jaws | Opening | Base dimensions | Height | Longitudinal travel | Cross travel | Net weight |
|----------|-------------|---------|-----------------|--------|---------------------|--------------|------------|
| 0188/100 | 100 x 25 mm | 90 mm | 240 x 140 mm | 140 mm | 130 mm | 110 mm | 7,5 kg |
| 0188/125 | 125 x 40 mm | 110 mm | 255 x 160 mm | 150 mm | 170 mm | 130 mm | 13 kg |
| 0188/150 | 150 x 40 mm | 145 mm | 280 x 170 mm | 160 mm | 160 mm | 180 mm | 14,5 kg |

0188-xG

2 - WAY CROSS VICE WITH SWIVEL BASE

Useful for performing precision drilling or tapping operations thanks to the longitudinal and lateral movement without removing the piece from the vice. Equipped with a swivel base.



| Art. | Jaws | Opening | Base dimensions | Height | Longitudinal travel | Cross travel | Slot | Net weight |
|-----------|-------------|---------|-----------------|--------|---------------------|--------------|-------|------------|
| 0188/100G | 100 X 25 mm | 90 mm | 210 x 150 mm | 175 mm | 130 mm | 110 mm | 18 mm | 11,5 kg |
| 0188/125G | 125 X 40 mm | 120 mm | 230 x 175 mm | 180 mm | 150 mm | 120 mm | 20 mm | 14,5 kg |
| 0188/150G | 150 X 45 mm | 150 mm | 235 x 195 mm | 190 mm | 170 mm | 115 mm | 20 mm | 19,5 kg |

0766-
NEW
MAGNETIC PARALLEL SERIES

Ground in pairs. Used as workpiece shims in a wide variety of machining operations, ensuring parallel clamping. Thanks to the magnetic coupling, clamping times are reduced.



| Art. | Dimensions | Hardness | Accuracy |
|----------|---------------------------------|----------|------------|
| 0766/090 | 90 x 2,5 x (15-22-25-30-32) mm | HRC 60 | ± 0,005 mm |
| 0766/125 | 125 x 2,5 x (15-30-35-37-39) mm | HRC 60 | ± 0,005 mm |
| 0766/150 | 150 x 2,5 x (25-35-40-45-47) mm | HRC 60 | ± 0,005 mm |

P014
PARALLEL COUPLE SET

Ground in pairs. Used as part shims in wide variety of machining operations, ensuring parallel clamping.



| | |
|-------------------|---|
| Dimensions | 150 x 10 x (14-16-18-20-22-24-26-28-30-32-35-40-45-50) mm |
| Hardness | HRC 60 |
| Accuracy | ± 0,005 mm |

P015
PARALLEL COUPLE SET

Ground in pairs. Used as part shims in wide variety of machining operations, ensuring parallel clamping.



| | |
|-------------------|---|
| Dimensions | 160 x 4 x (10-14-18-22-26-30-34-38-42) mm |
| Hardness | HRC 60 |
| Accuracy | ± 0,005 mm |

P017
PARALLEL COUPLE SET

Ground in pairs. Used as part shims in wide variety of machining operations, ensuring parallel clamping.



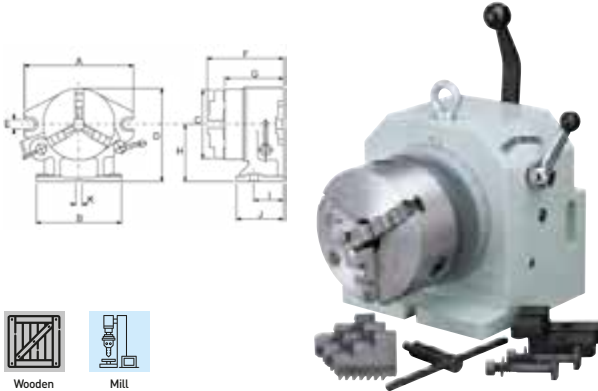
| | |
|-------------------|---|
| Dimensions | 150 x 8 x (14-16-20-24-30-32-36-40-44) mm |
| Hardness | HRC 45 |
| Accuracy | ± 0,005 mm |



D023

HORIZONTAL AND VERTICAL RATCHET DIVIDING HEAD

It allows you to have various types of divisions based on the type of disc mounted. Division is done automatically using the feed lever. Complete with locking brackets.

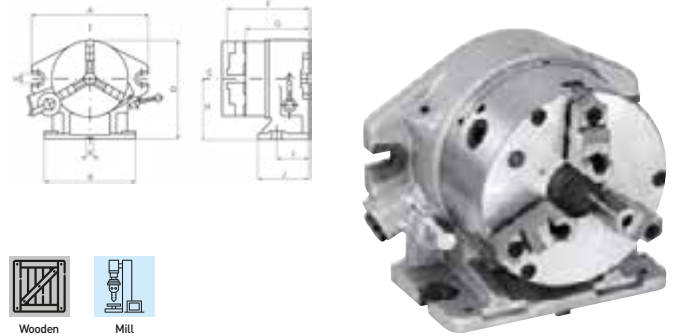


| | |
|----------------------|-----------------------------|
| Dividing | 2 - 3 - 4 - 6 - 8 - 12 - 24 |
| A | 230 mm |
| B | 230 mm |
| C | 160 mm |
| D | 236 mm |
| E | 18 mm |
| F | 320 mm |
| G | 285 mm |
| H | 125 mm |
| I | - mm |
| J | 210 mm |
| K | 18 mm |
| Hole | 30 mm |
| Hor. max load | 50 kg |
| Ver. max load | 10 kg |
| Net weight | 66,5 kg |

D003

HORIZONTAL AND VERTICAL DIRECT DIVIDING HEAD

It allows you to have various types of divisions based on the type of disc mounted. Division is done automatically using the feed lever. Possibility of manual division from degree to degree 0° - 360°.

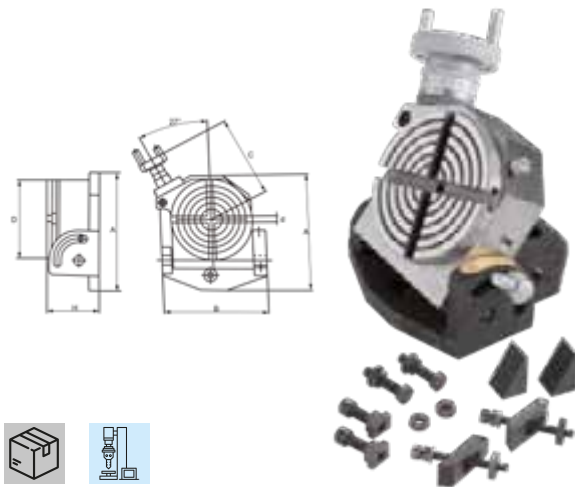


| | |
|----------------------|-----------------------------|
| Dividing | 2 - 3 - 4 - 6 - 8 - 12 - 24 |
| A | 310 mm |
| B | 255 mm |
| C | 210 mm |
| D | 259,25 mm |
| E | 18 mm |
| F | 214 mm |
| G | 171,5 mm |
| H | 149,25 mm |
| I | 80 mm |
| J | 130 mm |
| K | 16 mm |
| Hole | 62 mm |
| Hor. max load | 50 kg |
| Ver. max load | 10 kg |
| Net weight | 52 kg |

T016/100

TILTING ROTARY TABLE

For precise positioning of both rotation and inclination thanks to the graduations on the handwheel and on tilt locking lever. Complete with locking brackets.

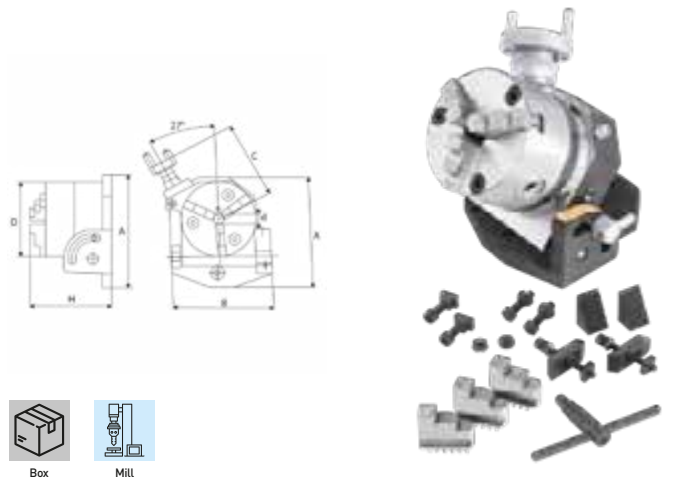


| | |
|--------------------------|---------------------|
| A | 143 mm |
| B | 130 mm |
| C | 105 mm |
| D | 102 mm |
| d | 18 mm |
| H | 68 mm |
| Revolution | 360° |
| Tilting table | 90° |
| Ratio | 1:36 |
| Slots | 4 x 6.35 mm 5/16" |
| Horizontal height | 102 mm |
| Net weight | 5 kg |

T017/100

TILTING ROTARY TABLE WITH CHUCK

For precise positioning of both rotation and inclination thanks to the graduations on the handwheel and on tilt locking lever. Complete with locking brackets.

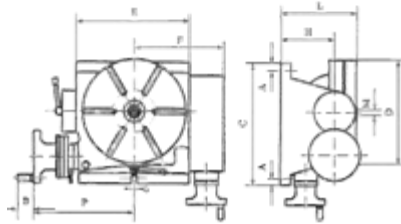
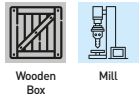


| | |
|--------------------------|----------|
| Chuck sizes | 100 mm |
| A | 143 mm |
| B | 130 mm |
| C | 105 mm |
| D | 100 mm |
| d | 20 mm |
| H | 160 mm |
| Revolution | 360° |
| Tilting table | 90° |
| Ratio | 1:36 |
| Slots | 4 x 8 mm |
| Horizontal height | 102 mm |
| Net weight | 11 kg |

T001-

0° ÷ 90° TILTING ROTARY TABLE

Equipped with micrometric adjustment and oil bath gears.



| Art. | A | B | C | D | E | F | G | H | L | MT | Ratio | Slots | Hor. max load | Ver. max load | Net weight |
|----------|-------|-------|--------|--------|--------|--------|-------|--------|--------|----|-------|--------------|---------------|---------------|------------|
| T001/250 | 14 mm | 40 mm | 310 mm | 250 mm | 252 mm | 199 mm | 14 mm | 140 mm | 205 mm | 3 | 1:90 | 6/12 N° / mm | 200 kg | 100 kg | 78 kg |
| T001/320 | 16 mm | 40 mm | 380 mm | 320 mm | 322 mm | 241 mm | 18 mm | 185 mm | 257 mm | 4 | 1:90 | 6/14 N° / mm | 250 kg | 125 kg | 133 kg |

D005-

DIVIDING PLATES FOR ROTARY TABLE

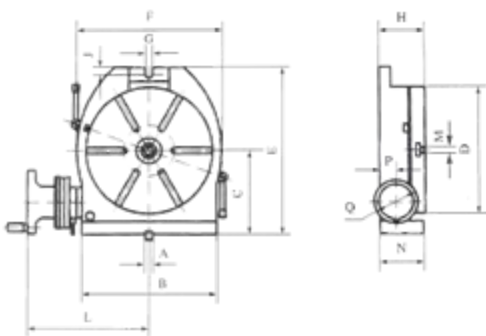
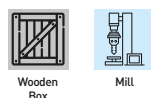


| Art. | For rotary table | Ratio | Plates holes | Hole | External |
|----------|--------------------------------|-------|--|-------|----------|
| D005 | T001/250 - 320, T002/160 - 320 | 1:90 | A: 34-37-38-39-41-43-44-50-52-56-6, B: 46-47-49-51-53-54-57-58-59-62-64 | 38 mm | 130 mm |
| D005/400 | T002/400 | 1:90 | A: 34-37-38-39-41-43-44-50-52-56-61, B: 46-47-49-51-53-54-57-58-59-62-64 | 53 mm | 170 mm |
| D005/500 | T012/500 T012/630 | 1:120 | A: 33-34-37-38-39-41-43-44-50-52-56-61, B: 46-47-49-51-53-54-57-58-59-62-63-64 | 53 mm | 170 mm |

T002-

HORIZONTAL AND VERTICAL ROTARY TABLE

Equipped with micrometric adjustment and oil bath gears.

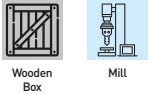


| Art. | A | B | C | D | E | F | G | H | J | L | N | P | Q | MT | Ratio | Slots | Hor. max load | Ver. max load | Net weight |
|----------|-------|--------|--------|--------|--------|--------|-------|--------|-------|--------|--------|-------|--------|----|-------|--------------|---------------|---------------|------------|
| T002/160 | 12 mm | 186 mm | 125 mm | 160 mm | 242 mm | 196 mm | 12 mm | 85 mm | 12 mm | 194 mm | 82 mm | 37 mm | 125 mm | 2 | 1:90 | 4/10 N° / mm | 100 kg | 50 kg | 23 kg |
| T002/200 | 14 mm | 208 mm | 150 mm | 200 mm | 285 mm | 236 mm | 14 mm | 100 mm | 15 mm | 211 mm | 99 mm | 48 mm | 125 mm | 3 | 1:90 | 4/12 N° / mm | 150 kg | 75 kg | 30 kg |
| T002/250 | 14 mm | 253 mm | 170 mm | 250 mm | 328 mm | 286 mm | 14 mm | 110 mm | 16 mm | 241 mm | 106 mm | 48 mm | 125 mm | 4 | 1:90 | 6/12 N° / mm | 200 kg | 100 kg | 44 kg |
| T002/320 | 18 mm | 321 mm | 210 mm | 320 mm | 410 mm | 360 mm | 18 mm | 120 mm | 16 mm | 273 mm | 118 mm | 48 mm | 125 mm | 4 | 1:90 | 6/14 N° / mm | 250 kg | 125 kg | 75 kg |
| T002/400 | 18 mm | 400 mm | 260 mm | 400 mm | 525 mm | 450 mm | 18 mm | 150 mm | 16 mm | 337 mm | 145 mm | 70 mm | 160 mm | 4 | 1:90 | 6/14 N° / mm | 300 kg | 150 kg | 174 kg |



C054

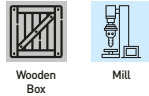
ADJUSTABLE TAILSTOCK



| | |
|------------------|-------------|
| For rotary table | T002/160 |
| Centers height | 95 - 150 mm |
| Net weight | 9 kg |

C051

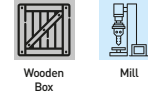
ADJUSTABLE TAILSTOCK



| | |
|------------------|--------------------------------|
| For rotary table | T001/250 - T002/200 - T002/250 |
| MT | 2 |
| Centers height | 140 - 180 mm |
| Net weight | 18 kg |

C052

ADJUSTABLE TAILSTOCK

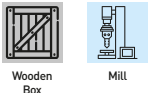
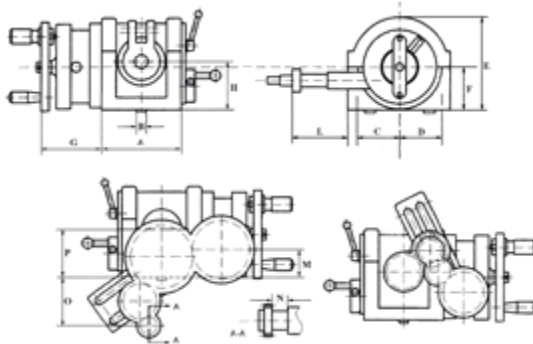


| | |
|------------------|---------------------|
| For rotary table | T002/320 - T001/320 |
| MT | 2 |
| Centers height | 180 - 224 mm |
| Net weight | 20 kg |

D004-

UNIVERSAL DIVIDING HEAD WITH TAILSTOCK, CHUCK AND DIVIDING PLATES

Equipped with hardened and ground worm screw and precision tapered roller bearings. Allows the operator to perform exactly determined angular rotations, such as are required for the divisions of a circumference into a certain number of equal parts.

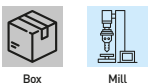
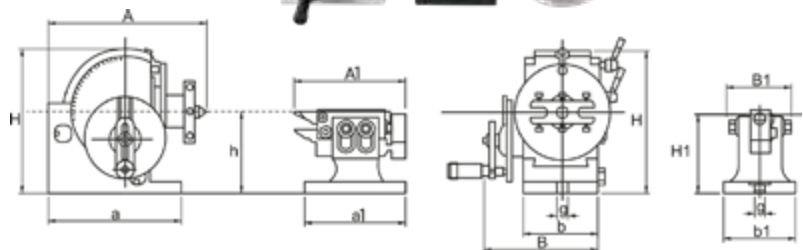


| Art. | A | B | C | D | E | F | G | H | L | MT | N | P | Chuck sizes | Ratio | Capacity | Plates holes | Net weight |
|-----------|--------|-------|--------|-------|--------|--------|--------|--------|--------|----|---------|--------|-------------|-------|----------|---|------------|
| D004/125L | 209 mm | 18 mm | 116 mm | 98 mm | 224 mm | 117 mm | 120 mm | 125 mm | 103 mm | 4 | 34,5 mm | 100 mm | Ø 160 mm | 1:40 | 130 kg | 24 - 25 - 28 - 30 - 34 - 37 - 38 - 39 - 41 - 42 - 43 - 46 - 47 - 49 - 51 - 53 - 54 - 57 - 58 - 59 - 62 - 66 | 119 kg |
| D004/160L | 209 mm | 18 mm | 116 mm | 98 mm | 259 mm | 152 mm | 120 mm | 160 mm | 103 mm | 4 | 34,5 mm | 100 mm | Ø 200 mm | 1:40 | 130 kg | 24 - 25 - 28 - 30 - 34 - 37 - 38 - 39 - 41 - 42 - 43 - 46 - 47 - 49 - 51 - 53 - 54 - 57 - 58 - 59 - 62 - 66 | 125 kg |

D006-

SEMI UNIVERSAL DIVIDING HEAD WITH TAILSTOCK AND DIVIDING PLATES

Chuck not included, equipped with hardened and ground worm screw and precision tapered roller bearings. Allows the operator to perform exactly determined angular rotations, such as are required for the divisions of a circumference into a certain number of equal parts.

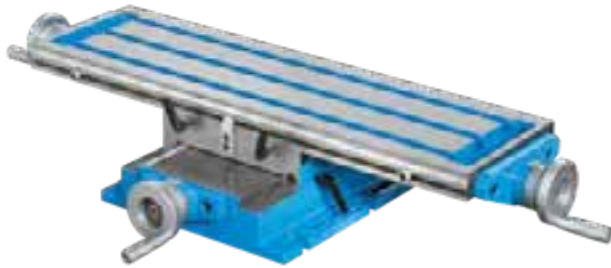


| Art. | A | B | H | h | a | b | G | A1 | B1 | H1 | h1 | a1 | b1 | Suitable chuck | g1 | Hole | MT | Ratio | Head tilt left and right | Plates holes | Net weight |
|----------|--------|--------|--------|--------|--------|--------|-------|--------|-------|--------|--------|--------|--------|----------------|-------|---------|----|-------|--------------------------|---|------------|
| D006/100 | 193 mm | 131 mm | 173 mm | 100 mm | 166 mm | 90 mm | 16 mm | 175 mm | 87 mm | 102 mm | 100 mm | 130 mm | 82 mm | Ø 125 mm | 16 mm | Ø 18 mm | 2 | 1:40 | -10° - 90° | 15-16-17-18-19-20-21-23-27-29-31-33-37-39-41-43-47-49 | 16 kg |
| D006/128 | 242 mm | 168 mm | 220 mm | 128 mm | 206 mm | 113 mm | 16 mm | 183 mm | 87 mm | 137 mm | 128 mm | 158 mm | 110 mm | Ø 160 mm | 16 mm | Ø 20 mm | 3 | 1:40 | -10° - 90° | 15-16-17-18-19-20-21-23-27-29-31-33-37-39-41-43-47-49 | 30 kg |

T013

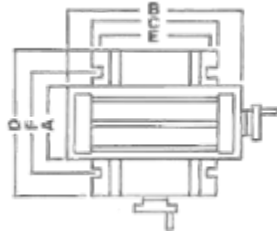
CROSS WORKING TABLE

With coolant channels. Adjustable handwheel graduation.



Wooden Box
Cast Iron
Mill

| | |
|------------|--------------|
| A | 210 mm |
| B | 730 mm |
| C | 315 mm |
| D | 395 mm |
| E | 240 mm |
| F | 300 mm |
| Slot | 14 mm |
| Height | 155 mm |
| Travels | 160 x 360 mm |
| Reading | 0,05 mm |
| Net weight | 70 kg |



T014G

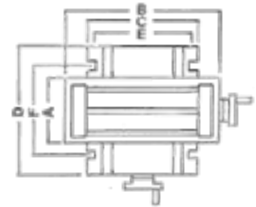
SWIVELING CROSS WORKING TABLE

Equipped with a swivel base. With coolant channels. Adjustable handwheel graduation.



Wooden Box
Cast Iron
Mill

| | |
|------------|--------------|
| A | 240 mm |
| B | 600 mm |
| C | 280 mm |
| D | 340 mm |
| E | 260 mm |
| F | 250 mm |
| Slot | 12 mm |
| Height | 160 mm |
| Travels | 155 x 370 mm |
| Reading | 0,02 mm |
| Net weight | 60 kg |



T015

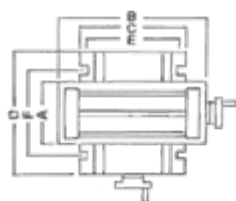
CROSS WORKING TABLE

With adjustable graduation of the handwheel. Equipped with conical gib with screw on the head and scraped guides for greater precision and better sliding.



Box
Cast Iron
Mill

| | |
|------------|------------|
| A | 100 mm |
| B | 185 mm |
| C | 130 mm |
| D | 170 mm |
| E | 104 mm |
| F | 103 mm |
| Slot | 10 mm |
| Height | 100 mm |
| Travels | 50 x 80 mm |
| Reading | 0,01 mm |
| Net weight | 10 kg |



T015/E

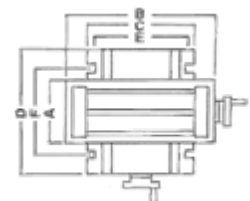
CROSS WORKING TABLE

With adjustable graduation of the handwheel.



Box
Cast Iron
Mill

| | |
|------------|------------|
| A | 100 mm |
| b | 185 mm |
| C | 130 mm |
| D | 173 mm |
| E | 102 mm |
| F | 100 mm |
| Slot | 10 mm |
| Height | 104 mm |
| Travels | 50 x 80 mm |
| Reading | 0,01 mm |
| Net weight | 10 kg |



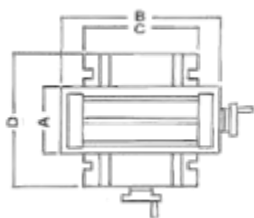


T008

CROSS WORKING TABLE



| | |
|--------------------|--------------|
| A | 153 mm |
| B | 475 mm |
| C | 200 mm |
| D | 270 mm |
| Slot | 16 mm |
| Slot distance | 75 mm |
| Height | 130 mm |
| Travels | 120 x 325 mm |
| Base locating slot | 162 mm |
| Net weight | 23 kg |



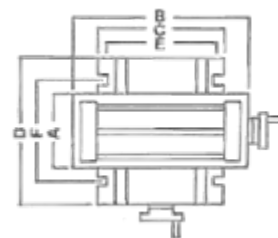
T018/350

CROSS WORKING TABLE

With fixed millimeter scale for longitudinal table movements.



| | |
|--------------------|--------------|
| A | 100 mm |
| B | 350 mm |
| C | 160 mm |
| D | 190 mm |
| Height | 120 mm |
| Slot | 8 mm |
| Slot distance | 36 mm |
| Travels | 177 x 50 mm |
| Reading | 0.05 mm |
| Overall dimensions | 415 x 255 mm |
| Net weight | 6 kg |



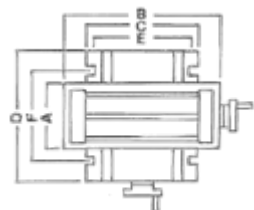
T018/330

CROSS WORKING TABLE

With fixed millimeter scale for longitudinal table movements.



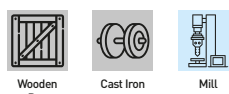
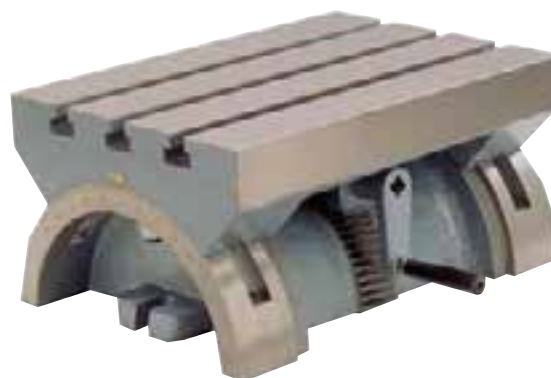
| | |
|--------------------|--------------|
| A | 95 mm |
| B | 330 mm |
| C | 125 mm |
| D | 145 mm |
| Height | 82 mm |
| Slot | 8 mm |
| Slot distance | 36 mm |
| Travels | 190 x 65 mm |
| Reading | 0,05 mm |
| Overall dimensions | 395 x 210 mm |
| Net weight | 2,5 kg |



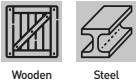
T004-

ADJUSTABLE ANGLE PLATE

With tilting regulation on both sides.



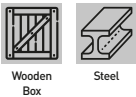
| Art. | Dimensions | Slot | Tilting | Net weight |
|----------|---------------------|-------|---------|------------|
| T004/250 | 255 x 180 x 135h mm | 12 mm | ± 36° | 15 kg |
| T004/380 | 380 x 250 x 180h mm | 16 mm | ± 36° | 45 kg |
| T004/600 | 610 x 305 x 253h mm | 16 mm | ± 36° | 105 kg |

P077-
PERMANENT MAGNETIC CHUCK


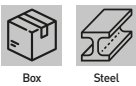
| Art. | Dimensions | Magnetic force | Pole pitch | Net weight |
|-----------|-------------------|-----------------------|------------|------------|
| P077/1525 | 250 x 150 x 60 mm | 180 N/cm ² | 3 + 12 mm | 17 Kg |
| P077/1530 | 300 x 150 x 60 mm | 180 N/cm ² | 3 + 12 mm | 20 Kg |
| P077/2040 | 400 x 200 x 60 mm | 180 N/cm ² | 3 + 12 mm | 37 Kg |
| P077/3050 | 500 x 300 x 60 mm | 180 N/cm ² | 3 + 12 mm | 65 Kg |
| P077/3060 | 600 x 300 x 60 mm | 180 N/cm ² | 3 + 12 mm | 80 Kg |


P078-
PERMANENT MAGNETIC CHUCK

With fixed polarity. It allows the machining of small and low thickness pieces due to fine pitch.



| Art. | Dimensions | Magnetic force | Pole pitch | Net weight |
|-----------|-------------------|-----------------------|--------------|------------|
| P078/1525 | 250 x 150 x 48 mm | 120 N/cm ² | 0,5 + 1,5 mm | 16 Kg |
| P078/1530 | 300 x 150 x 48 mm | 120 N/cm ² | 0,5 + 1,5 mm | 17 Kg |
| P078/1535 | 350 x 150 x 48 mm | 120 N/cm ² | 0,5 + 1,5 mm | 20 Kg |
| P078/1540 | 400 x 150 x 51 mm | 120 N/cm ² | 0,5 + 1,5 mm | 24 Kg |
| P078/1545 | 450 x 150 x 51 mm | 120 N/cm ² | 0,5 + 1,5 mm | 27 Kg |
| P078/2045 | 450 x 200 x 51 mm | 120 N/cm ² | 0,5 + 1,5 mm | 38 Kg |
| P078/2050 | 500 x 200 x 58 mm | 120 N/cm ² | 0,5 + 1,5 mm | 57 Kg |
| P078/2060 | 600 x 200 x 58 mm | 120 N/cm ² | 0,5 + 1,5 mm | 55 Kg |


P079-
MAGNETIC TOP WITH BREAST BAR


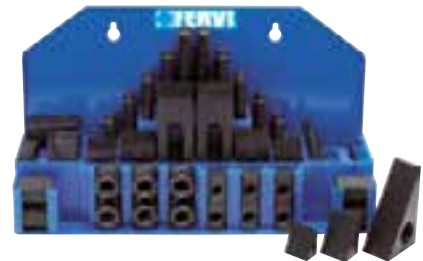
| Art. | Dimensions | Magnetic force | Pole pitch | Tilting | Net weight |
|-----------|-------------------|-----------------------|--------------|----------|------------|
| P079/1515 | 150 x 150 x 86 mm | 120 N/cm ² | 0,5 + 1,5 mm | 0° - 60° | 17 Kg |
| P079/1530 | 150 x 300 x 86 mm | 120 N/cm ² | 0,5 + 1,5 mm | 0° - 60° | 32 Kg |


K001-
CLAMPING KIT

Consisting of: 24 tie rods, 6 T-nuts, 6 low nuts, 4 joint sleeves, 6 simple brackets, 12 stair supports, practical wall support.



| Art. | Slot | Thread |
|---------|-------|--------|
| K001/12 | 12 mm | M10 |
| K001/14 | 14 mm | M12 |
| K001/16 | 16 mm | M14 |
| K001/18 | 18 mm | M16 |


K002-
CLAMPING SET

Consisting of 2 stepped supports, 2 tie rods and 2 T-head bolts and flanged nuts. To fix the elements to be milled on boards.



| Art. | 2 Step blocks | 2 Clamp | 2 Studs with Tee nuts | Slot |
|---------|-----------------|------------------|-----------------------|-------|
| K002/08 | 25 x 25 x 42 mm | 90 x 25 x 12 mm | M6 x 100 mm | 8 mm |
| K002/10 | 25 x 25 x 42 mm | 100 x 25 x 15 mm | M8 x 100 mm | 10 mm |
| K002/12 | 25 x 25 x 42 mm | 100 x 25 x 15 mm | M10 x 100 mm | 12 mm |
| K002/14 | 25 x 25 x 42 mm | 100 x 31 x 19 mm | M12 x 100 mm | 14 mm |





NEW FERVI SPINDLE RANGE

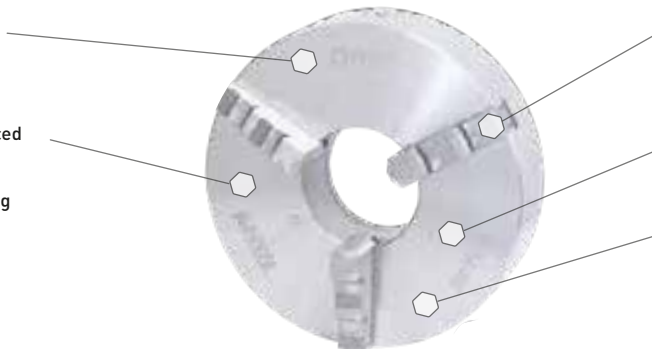


MAIN FEATURES

The new spindle line is compatible with all Fervi lathes.

Laser engraving with logo, model, and maximum RPM (revolutions per minute) number.

Single interchangeable body, balanced and well-balanced, made of heavy spheroidal cast iron with excellent rigidity, allowing for optimal gripping tolerance.



Durable jaws made of hardened, tempered, and ground steel.

Handy grease gun(s) for lubricating various parts.

The new Fervi chuck range allows for interchangeability of parts among items of the same size and with the same number of jaws.

FLANGE MOUNT

This range of spindles is designed for attachment by flange. Mechanical machining may be required to couple the spindle with the flange. They can also be applied to other mechanical parts (such as dividing tables or dividers), subject to mechanical adjustment.



INTEGRATED CAMLOCK ATTACHMENT

Camlock couplings allow faster changeover and, most importantly, prevent accidental unscrewing of the spindle. It does not require any preliminary machining for mounting on the machine.



SPINDLE SELECTION GUIDE

The choice of spindle is related to the type of machining to be performed.

3-JAW CHUCK (SELF CENTERING)



They allow solid circular or tubular, polygonal workpieces with a number of sides divisible by 3 to be clamped, centering them, by means of straight or reverse jaws.

4-JAW CHUCK (SELF-CENTERING)



They are used for fastening solid circular or tubular workpieces, with irregular or polygonal cross-section with a number of sides divisible by 4, by means of straight or reverse jaws.

INDEPENDENT JAW CHUCK



In this type of chuck, each jaw has independent movement in order to be able to clamp the workpiece with its axis off-center in the case of particular types of machining.

BASED ON THE LATHE



CENTER HEIGHT

This parameter indicates the height between the center of the spindle and the lathe bed. The tip height determines the maximum radius that can be machined on the bench. Multiplying the value by 2 will give us the maximum diameter that can be machined on the bench.

SPINDLE BORE

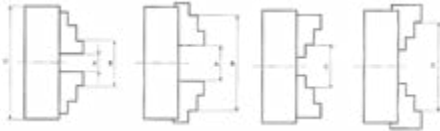
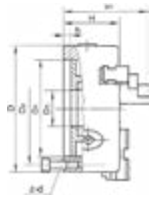
This is the diameter of the through-hole present on the lathe to be able to thread long bars to be turned by threading and clamping them between the jaws of the chuck.

SPINDLE NOSE CAMLOCK

Determined by the diameter of the lathe head flange pins or if available from machine technical data.

**M075A-****NEW****PRECISION SELF-CENTERING CHUCK 3 + 3 + 3 JAWS**

Single guide. Integral jaws, concentric clamping, equipped with: 1 series consisting of 3 internal jaws, 1 series consisting of 3 external jaws and tightening key and 1 series consisting of 3 solid soft jaws. Metal's rear cover for Ø250 mm, Ø320 mm and Ø400 mm chucks



Box

Wooden
Box

Cast Iron

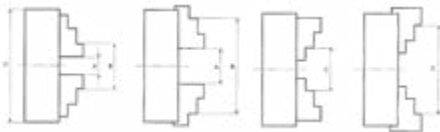
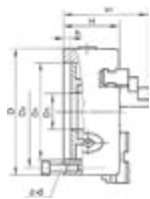


Lathe

| Art. | D1 | D2 | D3 | H1 | H | h | z-d | Spanner square | A - A1 | B - B1 | C - C1 | Net weight |
|-----------|--------|--------|--------|----------|----------|-------|-------|-------------------|---------------|--------------|--------------|---------------|
| M075A/080 | 55 mm | 66 mm | 16 mm | 66 mm | 50 mm | 4 mm | 3-M6 | 8 mm | 2 - 22 mm | 25 - 70 mm | 22 - 63 mm | 1,9 kg |
| M075A/100 | 72 mm | 84 mm | 22 mm | 74,5 mm | 55 mm | 4 mm | 3-M8 | 8 mm | 2 - 30 mm | 30 - 90 mm | 30 - 80 mm | 3,2 kg |
| M075A/125 | 95 mm | 108 mm | 30 mm | 84 mm | 58 mm | 4 mm | 3-M8 | 10 mm | 2,5 - 40 mm | 38 - 125 mm | 38 - 110 mm | 5 kg |
| M075A/160 | 130 mm | 142 mm | 45 mm | 95 mm | 65 mm | 5 mm | 3-M8 | 10 mm | 3 - 55 mm | 50 - 160 mm | 55 - 145 mm | 8,8 kg |
| M075A/200 | 165 mm | 180 mm | 65 mm | 109 mm | 75 mm | 6 mm | 3-M10 | 12 mm | 4 - 85 mm | 65 - 200 mm | 65 - 200 mm | 15,5 kg |
| M075A/250 | 206 mm | 226 mm | 80 mm | 120 mm | 80 mm | 5 mm | 3-M12 | 12 mm | 6 - 110 mm | 80 - 250 mm | 90 - 250 mm | 25,7 kg |
| M075A/320 | 270 mm | 290 mm | 100 mm | 143,5 mm | 95 mm | 11 mm | 3-M16 | 13 mm | 11,5 - 145 mm | 95 - 320 mm | 110 - 320 mm | 47,5 kg |
| M075A/400 | 340 mm | 368 mm | 145 mm | 155 mm | 101,5 mm | 7 mm | 3-M16 | 14 mm | 15 - 210 mm | 120 - 400 mm | 120 - 400 mm | 71 kg |

M076A-**NEW****PRECISION SELF-CENTERING CHUCK 4+4+4 JAWS**

Single guide. Integral jaws, concentric clamping, equipped with 1 series consisting of 4 internal jaws, 1 series consisting of 4 external jaws and tightening key and 1 series consisting of 4 solid soft jaws.



Box

Wooden
Box

Cast Iron

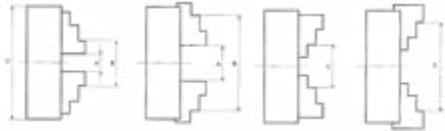
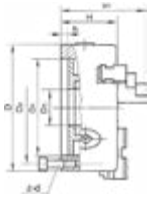


Lathe

| Art. | D1 | D2 | D3 | H1 | H | h | z-d | Spanner square | A - A1 | B - B1 | C - C1 | Net weight |
|-----------|--------|--------|--------|----------|----------|--------|-------|-------------------|---------------|--------------|--------------|---------------|
| M076A/080 | 55 mm | 66 mm | 16 mm | 66 mm | 50 mm | 4 mm | 3-M6 | 8 mm | 2 - 22 mm | 25 - 70 mm | 22 - 63 mm | 2,1 kg |
| M076A/100 | 72 mm | 84 mm | 22 mm | 75 mm | 55 mm | 4 mm | 3-M8 | 8 mm | 2 - 30 mm | 30 - 90 mm | 30 - 80 mm | 3,63 kg |
| M076A/125 | 95 mm | 108 mm | 30 mm | 84 mm | 58 mm | 4,5 mm | 3-M8 | 10 mm | 2,5 - 40 mm | 38 - 125 mm | 38 - 110 mm | 5,9 kg |
| M076A/160 | 130 mm | 142 mm | 45 mm | 95 mm | 65 mm | 5 mm | 3-M8 | 10 mm | 3 - 55 mm | 50 - 160 mm | 55 - 145 mm | 9,7 kg |
| M076A/200 | 165 mm | 180 mm | 65 mm | 113 mm | 75 mm | 6 mm | 3-M10 | 12 mm | 4 - 85 mm | 65 - 200 mm | 65 - 200 mm | 20,3 kg |
| M076A/250 | 206 mm | 226 mm | 80 mm | 124 mm | 80 mm | 5 mm | 3-M12 | 12 mm | 6 - 110 mm | 80 - 250 mm | 90 - 250 mm | 28,3 kg |
| M076A/320 | 270 mm | 290 mm | 100 mm | 148,5 mm | 95 mm | 11 mm | 3-M16 | 13 mm | 11,5 - 145 mm | 95 - 320 mm | 110 - 320 mm | 67 kg |
| M076A/400 | 340 mm | 368 mm | 145 mm | 155 mm | 101,5 mm | 7 mm | 3-M16 | 14 mm | 15 - 210 mm | 120 - 400 mm | 120 - 400 mm | 94 kg |

M049A-
NEW
PRECISION SELF-CENTERING 3+3 JAWS CHUCK

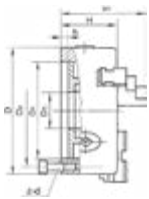
Single guide. Integral jaws, concentric clamping, equipped with 1 series consisting of 3 internal jaws, 1 series consisting of 3 external jaws and tightening key. Metal's rear cover for $\varnothing 250$ mm, $\varnothing 320$ mm and $\varnothing 400$ mm chucks



| Art. | D1 | D2 | D3 | H1 | H | h | z-d | Spanner square | A - A1 | B - B1 | C - C1 | Net weight |
|-----------|--------|--------|--------|----------|--------|--------|-------|----------------|---------------|--------------|--------------|------------|
| M049A/080 | 55 mm | 66 mm | 16 mm | 66 mm | 50 mm | 4 mm | 3-M6 | 8 mm | 2 - 22 mm | 25 - 70 mm | 22 - 63 mm | 1,71 kg |
| M049A/100 | 72 mm | 84 mm | 22 mm | 74,5 mm | 55 mm | 4 mm | 3-M8 | 8 mm | 2 - 30 mm | 30 - 90 mm | 30 - 80 mm | 2,94 kg |
| M049A/125 | 95 mm | 108 mm | 30 mm | 84 mm | 58 mm | 5 mm | 3-M8 | 10 mm | 2,5 - 40 mm | 38 - 125 mm | 38 - 110 mm | 4,74 kg |
| M049A/160 | 130 mm | 142 mm | 45 mm | 95 mm | 65 mm | 6 mm | 3-M8 | 10 mm | 3 - 55 mm | 50 - 160 mm | 55 - 145 mm | 8,1 kg |
| M049A/200 | 165 mm | 180 mm | 65 mm | 114 mm | 75 mm | 6,5 mm | 3-M10 | 12 mm | 4 - 85 mm | 65 - 200 mm | 65 - 200 mm | 14,42 kg |
| M049A/250 | 206 mm | 226 mm | 80 mm | 125 mm | 80 mm | 5 mm | 3-M12 | 12 mm | 6 - 110 mm | 80 - 250 mm | 90 - 250 mm | 25,6 kg |
| M049A/320 | 270 mm | 290 mm | 100 mm | 143,5 mm | 95 mm | 11 mm | 3-M16 | 13 mm | 11,5 - 145 mm | 95 - 320 mm | 110 - 320 mm | 47,4 kg |
| M049A/400 | 340 mm | 368 mm | 145 mm | 155 mm | 104 mm | 6 mm | 3-M16 | 14 mm | 15 - 210 mm | 120 - 400 mm | 120 - 400 mm | 78 kg |

M449A-
NEW
PRECISION SELF-CENTERING 4+4 JAWS CHUCK

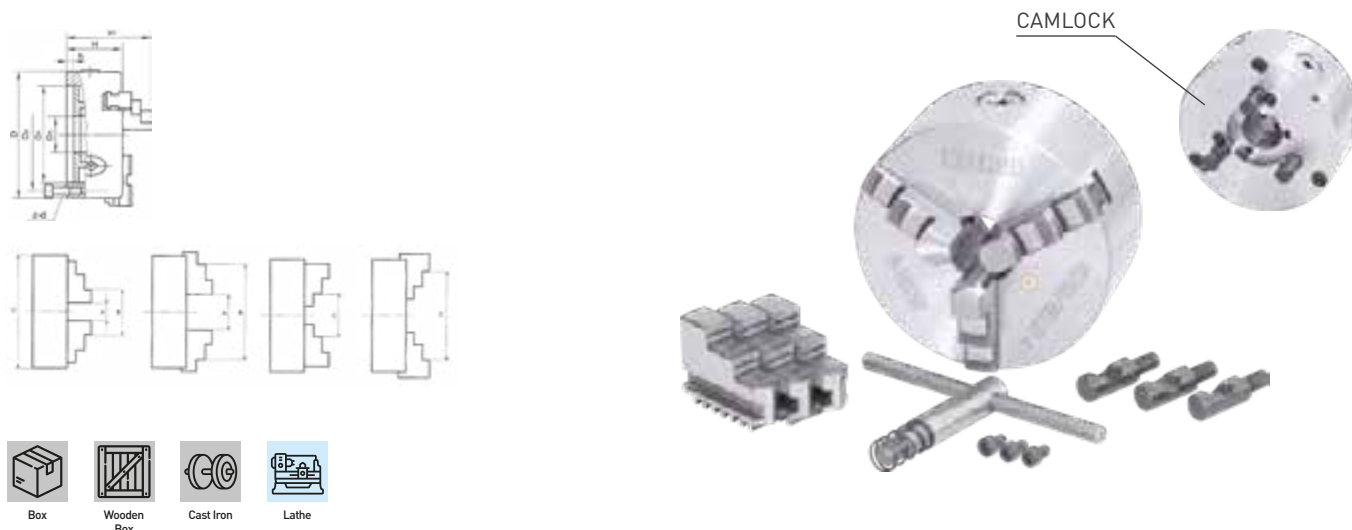
Single guide. Integral jaws, concentric clamping, equipped with 1 series consisting of 4 internal jaws, 1 series consisting of 4 external jaws and tightening key. Metal back cover for size $\varnothing 250$ mm, $\varnothing 300$ mm and $\varnothing 400$ mm.



| Art. | D1 | D2 | D3 | H1 | H | h | z-d | Spanner square | A - A1 | B - B1 | C - C1 | Net weight |
|-----------|--------|--------|--------|----------|----------|-------|-------|----------------|---------------|--------------|--------------|------------|
| M449A/080 | 55 mm | 66 mm | 16 mm | 66 mm | 50 mm | 4 mm | 3-M6 | 8 mm | 2 - 22 mm | 25 - 70 mm | 22 - 63 mm | 1,8 kg |
| M449A/100 | 72 mm | 84 mm | 22 mm | 75 mm | 55 mm | 4 mm | 3-M8 | 8 mm | 2,5 - 30 mm | 30 - 90 mm | 30 - 80 mm | 3,1 kg |
| M449A/125 | 95 mm | 108 mm | 30 mm | 84 mm | 58 mm | 4 mm | 3-M8 | 10 mm | 2,5 - 40 mm | 38 - 125 mm | 38 - 110 mm | 4,9 kg |
| M449A/160 | 130 mm | 142 mm | 45 mm | 95 mm | 65 mm | 5 mm | 3-M8 | 10 mm | 3 - 55 mm | 50 - 160 mm | 55 - 145 mm | 8,6 kg |
| M449A/200 | 165 mm | 180 mm | 65 mm | 113 mm | 75 mm | 6 mm | 3-M10 | 12 mm | 4 - 85 mm | 65 - 200 mm | 65 - 200 mm | 15,3 kg |
| M449A/250 | 206 mm | 226 mm | 80 mm | 124 mm | 80 mm | 5 mm | 3-M12 | 12 mm | 6 - 110 mm | 80 - 250 mm | 90 - 250 mm | 27,2 kg |
| M449A/320 | 270 mm | 290 mm | 100 mm | 148,5 mm | 95 mm | 11 mm | 3-M16 | 13 mm | 11,5 - 145 mm | 95 - 320 mm | 110 - 320 mm | 52,3 kg |
| M449A/400 | 340 mm | 368 mm | 145 mm | 155 mm | 101,5 mm | 7 mm | 3-M16 | 14 mm | 15 - 210 mm | 120 - 400 mm | 120 - 400 mm | 78,1 kg |

**M078A-****NEW****PRECISION SELF-CENTERING 3+3 JAWS CHUCK CAMLOCK**

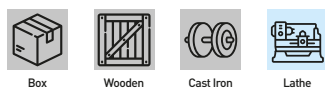
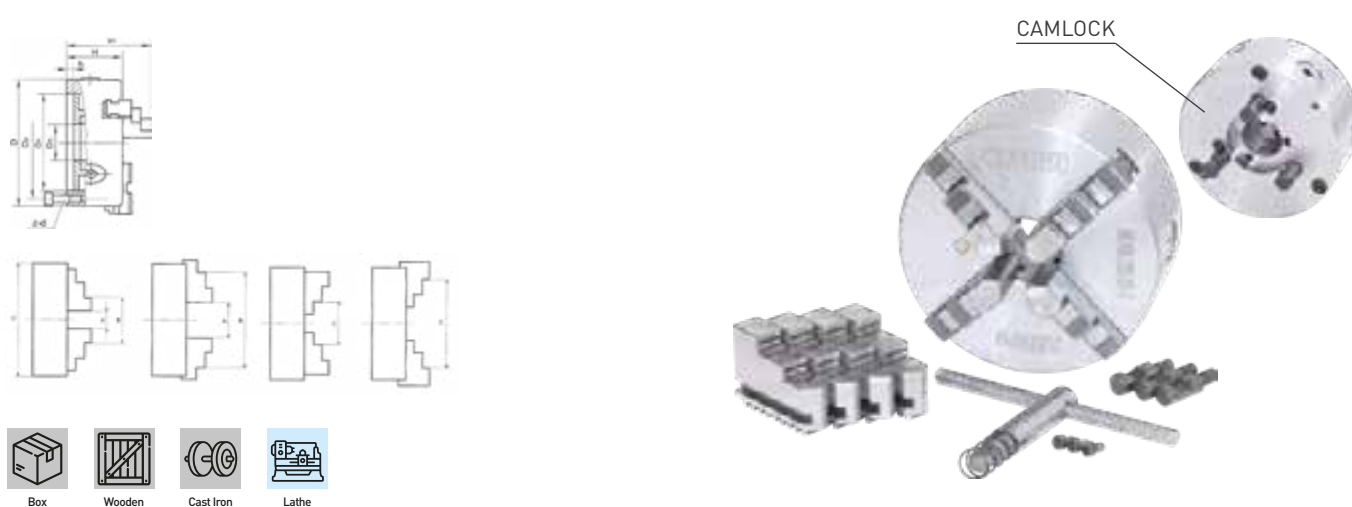
Single guide. Integral jaws, concentric clamping, equipped with 1 series consisting of 3 internal jaws, 1 series consisting of 3 external jaws and tightening key.



| Art. | D1 | D2 | D3 | H1 | H | h | z-d | Spanner square | A - A1 | B - B1 | C - C1 | Net weight |
|----------------|------------|----------|--------|----------|----------|-------|-------|----------------|---------------|--------------|--------------|------------|
| M078A/160/D1-4 | 63,513 mm | 82,6 mm | 40 mm | 100,5 mm | 71 mm | 13 mm | 3-M10 | 10 mm | 3 - 55 mm | 50 - 160 mm | 55 - 145 mm | 10,6 kg |
| M078A/200/D1-4 | 63,513 mm | 82,6 mm | 50 mm | 124 mm | 86 mm | 13 mm | 3-M10 | 12 mm | 4 - 85 mm | 65 - 200 mm | 65 - 200 mm | 17 kg |
| M078A/200/D1-5 | 82,563 mm | 104,8 mm | 50 mm | 124 mm | 86 mm | 15 mm | 6-M12 | 12 mm | 4 - 85 mm | 65 - 200 mm | 65 - 200 mm | 20,1 kg |
| M078A/250/D1-5 | 82,563 mm | 104,8 mm | 70 mm | 139 mm | 95 mm | 15 mm | 6-M12 | 12 mm | 6 - 110 mm | 80 - 250 mm | 90 - 250 mm | 32 kg |
| M078A/250/D1-6 | 106,375 mm | 133,4 mm | 80 mm | 142 mm | 98 mm | 16 mm | 6-M16 | 12 mm | 6 - 110 mm | 80 - 250 mm | 90 - 250 mm | 32 kg |
| M078A/250/D1-8 | 139,719 mm | 171,4 mm | 80 mm | 142 mm | 98 mm | 18 mm | 6-M20 | 12 mm | 6 - 110 mm | 80 - 250 mm | 90 - 250 mm | 32 kg |
| M078A/320/D1-6 | 106,375 mm | 133,4 mm | 102 mm | 158 mm | 103,5 mm | 16 mm | 6-M16 | 13 mm | 11,5 - 145 mm | 95 - 320 mm | 110 - 320 mm | 51 kg |
| M078A/320/D1-8 | 139,719 mm | 171,4 mm | 102 mm | 158 mm | 103,5 mm | 18 mm | 6-M20 | 13 mm | 11,5 - 145 mm | 95 - 320 mm | 110 - 320 mm | 51 kg |
| M078A/400/D1-8 | 139,719 mm | 171,4 mm | 130 mm | 173 mm | 118 mm | 18 mm | 6-M20 | 14 mm | 15 - 210 mm | 120 - 400 mm | 120 - 400 mm | 82 kg |

M079A-**NEW****PRECISION SELF-CENTERING 4+4 JAWS CHUCK CAMLOCK**

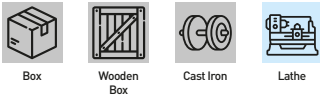
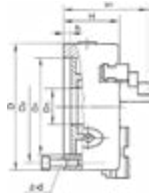
Single guide. Integral jaws, concentric clamping, equipped with 1 series consisting of 4 internal jaws, 1 series consisting of 4 external jaws and tightening key.



| Art. | D1 | D2 | D3 | H1 | H | h | z-d | Spanner square | A - A1 | B - B1 | C - C1 | Net weight |
|----------------|------------|----------|--------|----------|----------|-------|-------|----------------|---------------|--------------|--------------|------------|
| M079A/160/D1-4 | 63,513 mm | 82,6 mm | 40 mm | 100,5 mm | 71 mm | 13 mm | 3-M10 | 10 mm | 3 - 55 mm | 50 - 160 mm | 55 - 145 mm | 11 kg |
| M079A/200/D1-4 | 63,513 mm | 82,6 mm | 50 mm | 124 mm | 86 mm | 13 mm | 3-M10 | 12 mm | 4 - 85 mm | 65 - 200 mm | 65 - 200 mm | 19 kg |
| M079A/200/D1-5 | 82,563 mm | 104,8 mm | 50 mm | 124 mm | 86 mm | 15 mm | 6-M12 | 12 mm | 4 - 85 mm | 65 - 200 mm | 65 - 200 mm | 19 kg |
| M079A/250/D1-5 | 82,563 mm | 104,8 mm | 70 mm | 139 mm | 95 mm | 15 mm | 6-M12 | 12 mm | 6 - 110 mm | 80 - 250 mm | 90 - 250 mm | 35 kg |
| M079A/250/D1-6 | 106,375 mm | 133,4 mm | 80 mm | 142 mm | 98 mm | 16 mm | 6-M16 | 12 mm | 6 - 110 mm | 80 - 250 mm | 90 - 250 mm | 35 kg |
| M079A/250/D1-8 | 139,719 mm | 171,4 mm | 80 mm | 142 mm | 98 mm | 18 mm | 6-M20 | 12 mm | 6 - 110 mm | 80 - 250 mm | 90 - 250 mm | 35 kg |
| M079A/320/D1-6 | 106,375 mm | 133,4 mm | 102 mm | 158 mm | 103,5 mm | 16 mm | 6-M16 | 13 mm | 11,5 - 145 mm | 95 - 320 mm | 110 - 320 mm | 56 kg |
| M079A/320/D1-8 | 139,719 mm | 171,4 mm | 102 mm | 158 mm | 103,5 mm | 18 mm | 6-M20 | 13 mm | 11,5 - 145 mm | 95 - 320 mm | 110 - 320 mm | 56 kg |
| M079A/400/D1-8 | 139,719 mm | 171,4 mm | 130 mm | 173 mm | 118 mm | 18 mm | 6-M20 | 14 mm | 15 - 210 mm | 120 - 400 mm | 120 - 400 mm | 90 kg |

M005A-
NEW
PRECISION SELF CENTERING 3 REVERSIBLE JAWS CHUCK

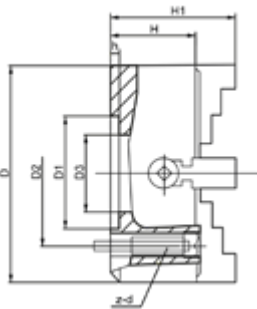
With single guide, single guide, equipped with 3 internal - external reversible hard jaws, clamping key and jaw-fixing screws., tightening wrench and jaw fixing screws. Plastic back cover for size Ø200 mm.



| Art. | D1 | D2 | D3 | H1 | H | h | z-d | Spanner square | A - A1 | B - B1 | C - C1 | Net weight |
|-----------|--------|--------|--------|----------|----------|-------|-------|----------------|---------------|--------------|--------------|------------|
| M005A/200 | 165 mm | 180 mm | 65 mm | 122 mm | 75 mm | 5 mm | 3-M10 | 12 mm | 4 - 85 mm | 65 - 200 mm | 65 - 200 mm | 14 kg |
| M005A/250 | 206 mm | 226 mm | 80 mm | 136 mm | 80 mm | 5 mm | 3-M12 | 12 mm | 6 - 110 mm | 80 - 250 mm | 90 - 250 mm | 23,4 kg |
| M005A/320 | 270 mm | 290 mm | 100 mm | 153,5 mm | 95 mm | 11 mm | 3-M16 | 13 mm | 11,5 - 145 mm | 95 - 320 mm | 110 - 320 mm | 42,4 kg |
| M005A/400 | 340 mm | 368 mm | 145 mm | 175 mm | 101,5 mm | 7 mm | 3-M16 | 14 mm | 15 - 210 mm | 120 - 400 mm | 120 - 400 mm | 71 kg |
| M005A/500 | 440 mm | 465 mm | 210 mm | 197 mm | 115 mm | 7 mm | 6-M16 | 17 mm | 25 - 280 mm | 150 - 500 mm | 150 - 500 mm | 119 kg |
| M005A/630 | 560 mm | 595 mm | 280 mm | 218 mm | 135 mm | 8 mm | 6-M16 | 19 mm | 50 - 350 mm | 170 - 630 mm | 170 - 630 mm | 208 kg |

P444A-
NEW
4 JAW INDEPENDENT CHUCK

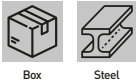
With screw control, flange connection, reversible simple guide jaws for internal and external gripping. Equipped with jaw key and fixing screws.



| Art. | D | D1 | D2 | D3 | H1 | H | h | z-d | Spanner square | Net weight |
|-----------|--------|--------|--------|--------|--------|--------|-------|-------|----------------|------------|
| P444A/125 | 125 mm | 95 mm | 108 mm | 30 mm | 78 mm | 56 mm | 6 mm | 4-M8 | 7 mm | 4,8kg |
| P444A/160 | 160 mm | 65 mm | 95 mm | 55 mm | 103 mm | 75 mm | 5 mm | 4-M10 | 10 mm | 10 kg |
| P444A/200 | 200 mm | 80 mm | 112 mm | 70 mm | 119 mm | 80 mm | 6 mm | 4-M10 | 10 mm | 14,5 kg |
| P444A/250 | 250 mm | 110 mm | 130 mm | 100 mm | 131 mm | 90 mm | 6 mm | 4-M12 | 12 mm | 23 kg |
| P444A/320 | 320 mm | 140 mm | 165 mm | 115 mm | 152 mm | 102 mm | 16 mm | 4-M16 | 14 mm | 43 kg |
| P444A/400 | 400 mm | 160 mm | 185 mm | 125 mm | 157 mm | 110 mm | 13 mm | 4-M16 | 14 mm | 71 kg |

**M049A-xST****NEW****3 SOLID SOFT JAWS SET**

For self-centering chucks with simple guide.



| Art. | Chuck sizes |
|-------------|-------------|
| M049A/080ST | Ø 80 mm |
| M049A/100ST | Ø 100 mm |
| M049A/125ST | Ø 125 mm |
| M049A/160ST | Ø 160 mm |

M049A-xGBD**NEW****3 SOFT JAWS SET**

With base in hardened steel, for self-centering chuck with simple guide.



| Art. | Chuck sizes |
|--------------|-------------|
| M049A/200GBD | Ø 200 mm |
| M049A/250GBD | Ø 250 mm |
| M049A/320GBD | Ø 320 mm |
| M049A/400GBD | Ø 400 mm |

M449A-xST**NEW****4 SOLID SOFT JAWS SET**

For self-centering chucks with simple guide.



| Art. | Chuck sizes |
|-------------|-------------|
| M449A/080ST | Ø 80 mm |
| M449A/100ST | Ø 100 mm |
| M449A/125ST | Ø 125 mm |
| M449A/160ST | Ø 160 mm |

M449A-xGBD**NEW****4 SOFT JAWS SET**

With base in hardened steel, for self-centering chuck with simple guide.



| Art. | Chuck sizes |
|--------------|-------------|
| M449A/200GBD | Ø 200 mm |
| M449A/250GBD | Ø 250 mm |
| M449A/320GBD | Ø 320 mm |
| M449A/400GBD | Ø 400 mm |

2622x**SOFT TOP JAW FOR CHUCKS**

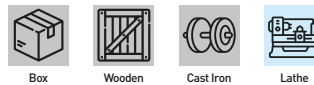
Applicable on hard jaws.



| Art. | Ø | Slot distance |
|-----------|--------------|---------------|
| M075/160T | 160 mm | 38,1 mm |
| M075/200T | 200 mm | 44,50 mm |
| M075/250T | 250 mm | 54 mm |
| M075/315T | 315 mm | 63,5 mm |
| 262206R | 400 mm | 76,2 mm |
| 262207R | 500 - 630 mm | 76,2 mm |

FD0x-**NEW****MOUNTING WITH STUD**

Camlock DIN 55029 to short cone with raw spindle side.



| Art. | Cam lock Type | Size | Thickness | Pins |
|----------|---------------|----------|-----------|-----------|
| FD04/125 | 4" | Ø 125 mm | 26 mm | Ø 15,9 mm |
| FD04/160 | 4" | Ø 160 mm | 26 mm | Ø 15,9 mm |
| FD04/200 | 4" | Ø 200 mm | 28 mm | Ø 15,9 mm |
| FD05/200 | 5" | Ø 200 mm | 30 mm | Ø 19 mm |
| FD05/250 | 5" | Ø 250 mm | 30 mm | Ø 19 mm |
| FD06/250 | 6" | Ø 250 mm | 30 mm | Ø 22 mm |
| FD06/380 | 6" | Ø 400 mm | 30 mm | Ø 22 mm |
| FD08/250 | 8" | Ø 250 mm | 30 mm | Ø 25,4 mm |
| FD08/320 | 8" | Ø 320 mm | 30 mm | Ø 25,4 mm |
| FD08/380 | 8" | Ø 400 mm | 30 mm | Ø 25,4 mm |
| FD08/500 | 8" | Ø 500 mm | 36 mm | Ø 25,4 mm |
| FD11/320 | 11" | Ø 320 mm | 45 mm | Ø 30,0 mm |
| FD11/400 | 11" | Ø 400 mm | 30 mm | Ø 30,0 mm |
| FD11/500 | 11" | Ø 500 mm | 36 mm | Ø 30 mm |

0563-**LATHE CHUCK KEY**

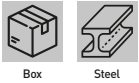
For spindles, with safety spring.



| Art. | Spanner square | Dimensions |
|---------|----------------|--------------|
| 0563/08 | 8 mm | 61 x 120 mm |
| 0563/10 | 10 mm | 120 x 210 mm |
| 0563/12 | 12 mm | 155 x 300 mm |
| 0563/13 | 13 mm | 120 x 300 mm |
| 0563/14 | 14 mm | 130 x 350 mm |
| 0563/17 | 17 mm | 130 x 400 mm |
| 0563/19 | 19 mm | 200 x 500 mm |

0751/A4

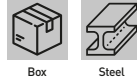
CHUCK FOR LATHE



| | |
|---------------------------------------|------------|
| 4 jaw reversible self centering chuck | Ø 125 mm |
| Thread | 1" - 8 TPI |
| Hole | Ø 22 mm |

0751/P

CHUCK FOR LATHE



| | |
|------------------------------------|------------|
| 4 jaw independent reversible chuck | Ø 150 mm |
| Thread | 1" - 8 TPI |
| Hole | Ø 22 mm |

0425-

4 JAW SELF-CENTERING CHUCK

For wood lathe, Ø 125 mm.



| Art. | Ø | Clamp capacity | Thread |
|----------|--------|------------------------------------|------------------------|
| 0425/100 | 95 mm | Int. 32 - 45 mm - Ext. 68 - 85 mm | 1" - 8 TPI |
| 0425/125 | 125 mm | Int. 50 - 70 mm - Ext. 85 - 110 mm | 1" - 8 TPI e M33 x 3,5 |

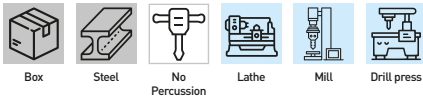




M051-

HIGH PRECISION 3 JAWS KEYLESS DRILL CHUCK

For industrial use, even in the most severe conditions of use. Sliding parts entirely hardened and ground. Spindle jaw hardness HRC58.

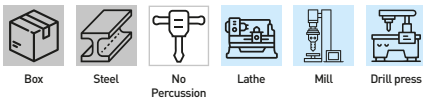


| Art. | Capacity | DIN | Dimensions |
|---------|------------|------|-----------------|
| M051/08 | 0,5 ÷ 8 mm | B 12 | Ø 39 x 80 mm |
| M051/10 | 1 ÷ 10 mm | B 12 | Ø 44.5 x 82 mm |
| M051/13 | 1 ÷ 13 mm | B 16 | Ø 49.5 x 91 mm |
| M051/16 | 1 ÷ 16 mm | B 18 | Ø 54 x 102.5 mm |
| M051/20 | 1 ÷ 20 mm | B 22 | Ø 59 x 119 mm |



M042-

LIGHT DUTY PROFESSIONAL SELF-TIGHTENING KEYLESS DRILL CHUCKS

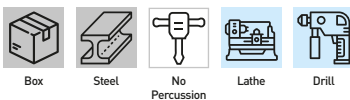


| Art. | Capacity | DIN | Dimensions |
|---------|------------|-----|---------------|
| M042/08 | 0.5 ÷ 8 mm | B12 | Ø 36 x 71 mm |
| M042/10 | 1 ÷ 10 mm | B12 | Ø 39 x 80 mm |
| M042/13 | 1 ÷ 13 mm | B16 | Ø 41 x 87 mm |
| M042/16 | 3 ÷ 16 mm | B18 | Ø 49 x 98 mm |
| M042/20 | 5 ÷ 20 mm | B22 | Ø 53 x 106 mm |



M052-

KEY TYPE TAPER HOLE DRILL CHUCKS



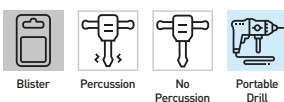
| Art. | Capacity | DIN | Dimensions |
|---------|-----------|-----|--------------|
| M052/10 | 1 ÷ 10 mm | B12 | Ø 43 x 57 mm |
| M052/13 | 1 ÷ 13 mm | B16 | Ø 53 x 65 mm |
| M052/16 | 3 ÷ 16 mm | B18 | Ø 53 x 74 mm |
| M052/20 | 5 ÷ 20 mm | B22 | Ø 64 x 83 mm |



M080/13

KEYLESS CHUCK WITH LOCK

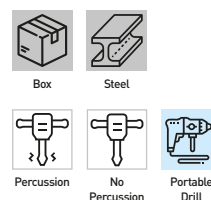
For double rotation and percussion use. Keyless quick locking with radial locking by rotating the spindle body. Body covered in synthetic material and operating parts in steel. with left fixing screw.



| Capacity | Shank |
|-----------|------------|
| 2 ÷ 13 mm | 1/2 20 UNF |

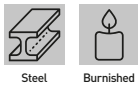
M081-

KEY TYPE TAPER HOLE DRILL CHUCKS



| Art. | Capacity | Shank |
|----------|----------|-------------|
| M081/13 | 1÷13 mm | 1/2" 20 UNF |
| M081/13A | 1÷13 mm | 3/8" 24 UNF |



0711-
DRILL CHUCKS KEYS


| Art. | L | A |
|---------|--------|------|
| 0711/06 | 56 mm | 5 mm |
| 0711/10 | 56 mm | 5 mm |
| 0711/13 | 80 mm | 6 mm |
| 0711/16 | 90 mm | 7 mm |
| 0711/20 | 120 mm | 8 mm |

1-xB
NEW
MORSE TAPER ADAPTER

DIN 2080. Balanced chuck body, with extraction slot for tools. Balancing 12.000 rpm.



| Art. | ISO | MT | D | L |
|--------|-----|----|-------|--------|
| 1/1B40 | 40 | 1 | 25 mm | 50 mm |
| 1/2B40 | 40 | 2 | 32 mm | 50 mm |
| 1/3B40 | 40 | 3 | 40 mm | 65 mm |
| 1/4B40 | 40 | 4 | 48 mm | 95 mm |
| 1/1B50 | 50 | 1 | 25 mm | 45 mm |
| 1/2B50 | 50 | 2 | 32 mm | 60 mm |
| 1/3B50 | 50 | 3 | 40 mm | 65 mm |
| 1/4B50 | 50 | 4 | 48 mm | 70 mm |
| 1/5B50 | 50 | 5 | 63 mm | 100 mm |

1-xA
MORSE TAPER ADAPTER

DIN 69871/A, balanced chuck body, with extraction slot for tools. Balancing 12.000 rpm.



| Art. | ISO | MT | D | L |
|--------|-----|----|-------|--------|
| 1/1A40 | 40 | 1 | 25 mm | 45 mm |
| 1/2A40 | 40 | 2 | 32 mm | 60 mm |
| 1/3A40 | 40 | 3 | 40 mm | 75 mm |
| 1/4A40 | 40 | 4 | 50 mm | 98 mm |
| 1/2A50 | 50 | 2 | 32 mm | 40 mm |
| 1/3A50 | 50 | 3 | 40 mm | 50 mm |
| 1/4A50 | 50 | 4 | 48 mm | 95 mm |
| 1/5A50 | 50 | 5 | 63 mm | 110 mm |

1-xD
MORSE TAPER ADAPTER

MAS-403 BT, balanced chuck body, with extraction slot for tools. Balancing 12.000 rpm.



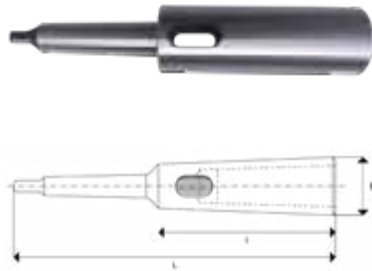
| Art. | BT | MT | D | L |
|--------|----|----|-------|--------|
| 1/1D40 | 40 | 1 | 25 mm | 45 mm |
| 1/2D40 | 40 | 2 | 32 mm | 60 mm |
| 1/3D40 | 40 | 3 | 40 mm | 75 mm |
| 1/4D40 | 40 | 4 | 50 mm | 98 mm |
| 1/2D50 | 50 | 2 | 32 mm | 40 mm |
| 1/3D50 | 50 | 3 | 40 mm | 75 mm |
| 1/4D50 | 50 | 4 | 50 mm | 80 mm |
| 1/5D50 | 50 | 5 | 63 mm | 110 mm |



ST45-xL

EXTENDED MORSE TAPER ADAPTERS

For mounting tools with tapered shank vices.



| Art. | MT External | MT Internal | L | l | D |
|-----------|-------------|-------------|--------|----------|-------|
| ST45/2/1L | 2 | 1 | 160 mm | 85 mm | 20 mm |
| ST45/2/2L | 2 | 2 | 175 mm | 90 mm | 30 mm |
| ST45/2/3L | 2 | 3 | 196 mm | 121 mm | 36 mm |
| ST45/3/1L | 3 | 1 | 175 mm | 81 mm | 20 mm |
| ST45/3/2L | 3 | 2 | 194 mm | 100 mm | 30 mm |
| ST45/3/3L | 3 | 3 | 215 mm | 121 mm | 36 mm |
| ST45/3/4L | 3 | 4 | 240 mm | 146 mm | 48 mm |
| ST45/4/1L | 4 | 1 | 200 mm | 82,5 mm | 20 mm |
| ST45/4/2L | 4 | 2 | 215 mm | 97,5 mm | 30 mm |
| ST45/4/3L | 4 | 3 | 240 mm | 122,5 mm | 36 mm |
| ST45/4/4L | 4 | 4 | 265 mm | 147,5 mm | 48 mm |
| ST45/4/5L | 4 | 5 | 300 mm | 182,5 mm | 63 mm |
| ST45/5/1L | 5 | 1 | 232 mm | 82,5 mm | 20 mm |
| ST45/5/2L | 5 | 2 | 247 mm | 97,5 mm | 30 mm |
| ST45/5/3L | 5 | 3 | 268 mm | 118,5 mm | 36 mm |
| ST45/5/4L | 5 | 4 | 300 mm | 150,5 mm | 48 mm |
| ST45/5/5L | 5 | 5 | 335 mm | 185,5 mm | 63 mm |
| ST45/5/6L | 5 | 6 | 396 mm | 247 mm | 82 mm |

A001-

PRECISION DRILL CHUCK SHANK

For spindles with taper shank.



| Art. | MT | DIN |
|-----------|----|-----|
| A001/2/12 | 2 | B12 |
| A001/2/16 | 2 | B16 |
| A001/2/18 | 2 | B18 |
| A001/3/12 | 3 | B12 |
| A001/3/16 | 3 | B16 |
| A001/3/18 | 3 | B18 |
| A001/3/22 | 3 | B22 |
| A001/4/16 | 4 | B16 |
| A001/4/18 | 4 | B18 |
| A001/4/22 | 4 | B22 |

ST45-

PRECISION MORSE TAPER REDUCTION SLEEVE

For mounting tools with tapered shank vices.



| Art. | MT External | MT Internal |
|----------|-------------|-------------|
| ST45/2/1 | 2 | 1 |
| ST45/3/1 | 3 | 1 |
| ST45/3/2 | 3 | 2 |
| ST45/4/1 | 4 | 1 |
| ST45/4/2 | 4 | 2 |
| ST45/4/3 | 4 | 3 |
| ST45/5/3 | 5 | 3 |
| ST45/5/4 | 5 | 4 |

E002-

DRIFT SLEEVES

For cone extraction.



| Art. | MT |
|---------|-----|
| E002/12 | 1-2 |
| E002/3 | 3 |
| E002/4 | 4 |

3-CM

COLLET CHUCK

DIN 228/A, for mounting tools with cylindrical shank on DIN 6499 (ER) collets. Supplied with locking ferrule.

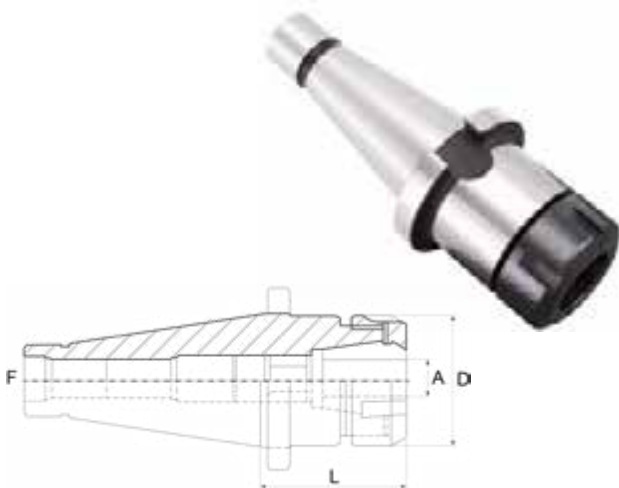


| Art. | Pliers | D | L | L1 | F | A |
|-------|--------|-------|--------|-------|------|-----------|
| 3/CM2 | ER 32 | 50 mm | 135 mm | 60 mm | M 10 | 3 / 20 mm |
| 3/CM3 | ER 32 | 50 mm | 146 mm | 60 mm | M 12 | 3 / 20 mm |
| 3/CM4 | ER 32 | 50 mm | 166 mm | 58 mm | M 16 | 3 / 20 mm |

3/B/40

COLLET CHUCK

DIN 2080, for mounting tools with cylindrical shank on DIN 6499 (ER) collets. Supplied with locking ferrule



| | |
|---------------|---------|
| Pliers | ER 32 |
| A | 3/20 mm |
| D | 50 mm |
| L | 65 mm |
| F | M 16 |
| Balancing rpm | 2000 |

3A40-

COLLET CHUCK

DIN 69871/A, for mounting tools with cylindrical shank on DIN 6499 (ER) collets. Supplied with locking ferrule. Balancing 12.000 rpm.

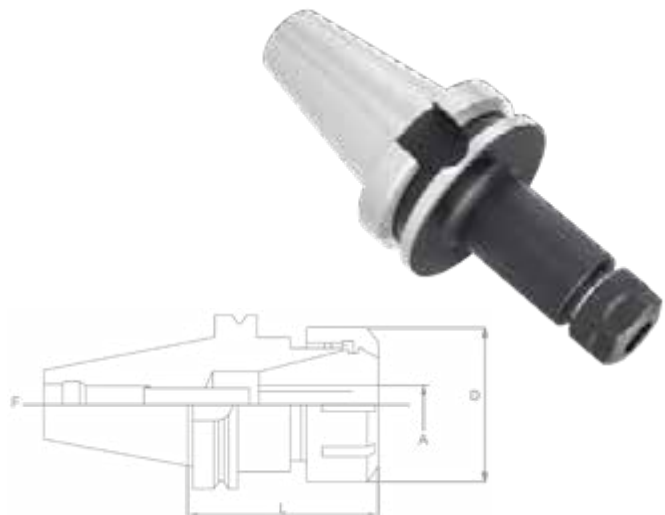


| Art. | Pliers | A | D | L | F |
|---------|--------|-----------|-------|--------|------|
| 3A40/16 | ER 16 | 1 / 10 mm | 28 mm | 100 mm | M 16 |
| 3A40/20 | ER 20 | 2 / 13 mm | 34 mm | 100 mm | M 16 |
| 3A40/25 | ER 25 | 2 / 16 mm | 42 mm | 100 mm | M 16 |
| 3/A/40 | ER 32 | 3/20 mm | 50 mm | 72 mm | M 16 |

3D40-

COLLET CHUCK

MAS-403 BT, for mounting tools with cylindrical shank on DIN 6499 (ER) collets. Supplied with locking ferrule. Balancing 12.000 rpm.



| Art. | Pliers | A | D | L | F |
|---------|--------|-----------|-------|--------|------|
| 3D40/16 | ER 16 | 1 / 10 mm | 28 mm | 100 mm | M 16 |
| 3D40/20 | ER 20 | 2 / 13 mm | 34 mm | 100 mm | M 16 |
| 3D40/25 | ER 25 | 2 / 16 mm | 42 mm | 100 mm | M 16 |
| 3/D/40 | ER 32 | 3/20 mm | 50 mm | 63 mm | M 16 |



PR16/10P

SPRING COLLET SET

ER16 DIN 6499/B, usable with collet chucks.



Sizes \emptyset 1-2-3-4-5-6-7-8-9-10 mm

PR20/12P

SPRING COLLET SET

ER16 DIN 6499/B, usable with collet chucks.

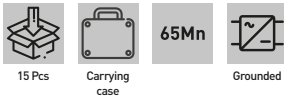


Sizes \emptyset 2-3-4-5-6-7-8-9-10-11-12-13 mm

PR25/15P

SPRING COLLET SET

ER25 DIN 6499/B, usable with collet chucks.



Sizes \emptyset 2-3-4-5-6-7-8-9-10-11-12-13-14-15-16 mm

P032/7P

SPRING COLLET SET

ER32 DIN 6499/B, usable with collet chucks.

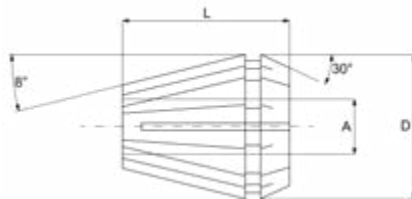
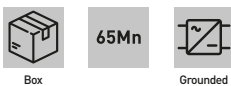


Sizes 4-6-8-10-12-16-20 mm

P032-

SPRING COLLET

ER32 DIN 6499/B, usable with collet chucks.



| Art. | Capacity A | D | L |
|---------|------------|-------|-------|
| P032/03 | 2-3 mm | 33 mm | 40 mm |
| P032/04 | 3-4 mm | 33 mm | 40 mm |
| P032/05 | 4-5 mm | 33 mm | 40 mm |
| P032/06 | 5-6 mm | 33 mm | 40 mm |
| P032/07 | 6-7 mm | 33 mm | 40 mm |
| P032/08 | 7-8 mm | 33 mm | 40 mm |
| P032/09 | 8-9 mm | 33 mm | 40 mm |
| P032/10 | 9-10 mm | 33 mm | 40 mm |
| P032/11 | 10-11 mm | 33 mm | 40 mm |
| P032/12 | 11-12 mm | 33 mm | 40 mm |
| P032/13 | 12-13 mm | 33 mm | 40 mm |
| P032/14 | 13-14 mm | 33 mm | 40 mm |
| P032/15 | 14-15 mm | 33 mm | 40 mm |
| P032/16 | 15-16 mm | 33 mm | 40 mm |
| P032/17 | 16-17 mm | 33 mm | 40 mm |
| P032/18 | 17-18 mm | 33 mm | 40 mm |
| P032/19 | 18-19 mm | 33 mm | 40 mm |
| P032/20 | 19-20 mm | 33 mm | 40 mm |

P032/18P

SPRING COLLET SET

ER32 DIN 6499/B, usable with collet chucks.



Sizes 3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20 mm

G0x

SPARE RING

ER DIN 6499.



| Art. | Plier |
|------|-------|
| G016 | ER16 |
| G020 | ER20 |
| G025 | ER25 |
| G032 | ER32 |



CHERx

LOCK RING DRIVING KEY

ER DIN 6499.



| Art. |
|--------|
| CHER25 |
| CHER32 |



16-CM

TAPER SHANK SHELL END MILL ADAPTER

DIN 228/A for cylindrical end mills according to DIN 481, for milling cutters with longitudinal groove DIN 1880 and for insert milling cutters DIN 1830. Supplied with cross screw, drive ring and key.



| Art. | d - h6 | MT | F | H |
|--------|--------|----|------|-------|
| 16/CM3 | 16 mm | 3 | M 12 | 40 mm |
| 16/CM4 | 16 mm | 4 | M 16 | 55 mm |
| 22/CM3 | 22 mm | 3 | M 12 | 50 mm |
| 22/CM4 | 22 mm | 4 | M 16 | 55 mm |
| 27/CM3 | 27 mm | 3 | M 12 | 50 mm |
| 27/CM4 | 27 mm | 4 | M 16 | 55 mm |

16Ax

ARBOR FOR MILLING CUTTERS

DIN 69871/A, balanced chuck body, for cylindrical end mills according to DIN 481, for milling cutters with longitudinal groove DIN 1880 and for insert milling cutters DIN 1830. Supplied with cross screw, drive ring and key. Balancing 12.000 rpm.



| Art. | ISO | d-h6 | L | L1 | Balancing rpm |
|-------|-----|-------|-------|-------|---------------|
| 16A40 | 40 | 16 mm | 27 mm | 35 mm | 12000 |
| 22A40 | 40 | 22 mm | 31 mm | 41 mm | 12000 |
| 27A40 | 40 | 27 mm | 33 mm | 41 mm | 12000 |
| 32A40 | 40 | 32 mm | 38 mm | 45 mm | 12000 |
| 16A50 | 50 | 16 mm | 27 mm | 35 mm | 12000 |
| 22A50 | 50 | 22 mm | 31 mm | 35 mm | 12000 |
| 27A50 | 50 | 27 mm | 33 mm | 35 mm | 12000 |
| 32A50 | 50 | 32 mm | 38 mm | 40 mm | 12000 |
| 40A50 | 50 | 40 mm | 41 mm | 40 mm | 12000 |

16-B

ARBOR FOR MILLING CUTTERS

DIN 2080, balanced chuck body, for cylindrical end mills according to DIN 481, for milling cutters with longitudinal groove DIN 1880 and for insert milling cutters DIN 1830. Supplied with cross screw, drive ring and key. Balancing 2.000 rpm.

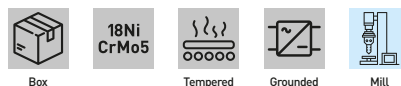
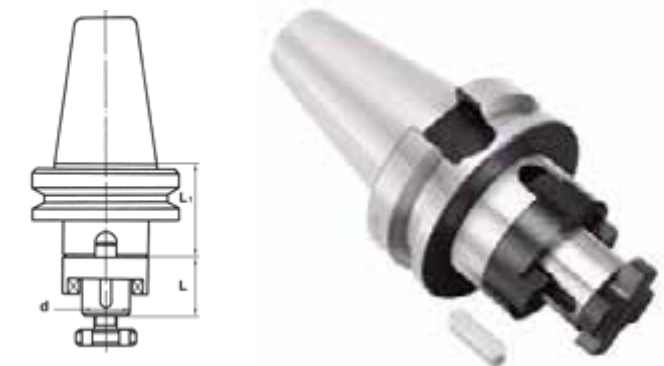


| Art. | ISO | d - h6 | L | L1 |
|--------|-----|--------|-------|-------|
| 16/B40 | 40 | 16 mm | 27 mm | 35 mm |
| 22/B40 | 40 | 22 mm | 31 mm | 39 mm |
| 27/B40 | 40 | 27 mm | 33 mm | 40 mm |
| 32/B40 | 40 | 32 mm | 38 mm | 40 mm |
| 16/B50 | 50 | 16 mm | 27 mm | 35 mm |
| 22/B50 | 50 | 22 mm | 31 mm | 35 mm |
| 27/B50 | 50 | 27 mm | 33 mm | 35 mm |
| 32/B50 | 50 | 32 mm | 38 mm | 40 mm |
| 40/B50 | 50 | 40 mm | 41 mm | 40 mm |

16-D

ARBOR FOR MILLING CUTTER

MAS-403 BT, balanced chuck body, for cylindrical end mills according to DIN 481, for milling cutters with longitudinal groove DIN 1880 and for insert milling cutters DIN 1830. Supplied with cross screw, drive ring and key. Balancing 12.000 rpm.



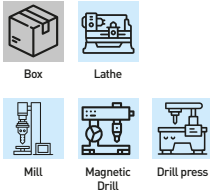
| Art. | BT | d - h6 | L | L1 |
|--------|----|--------|-------|-------|
| 16/D40 | 40 | 16 mm | 27 mm | 35 mm |
| 22/D40 | 40 | 22 mm | 31 mm | 35 mm |
| 27/D40 | 40 | 27 mm | 33 mm | 35 mm |
| 32/D40 | 40 | 32 mm | 38 mm | 40 mm |
| 16/D50 | 50 | 16 mm | 27 mm | 35 mm |
| 22/D50 | 50 | 22 mm | 31 mm | 35 mm |
| 27/D50 | 50 | 27 mm | 33 mm | 35 mm |
| 32/D50 | 50 | 32 mm | 38 mm | 40 mm |
| 40/D50 | 50 | 40 mm | 41 mm | 40 mm |



M004-

HOLE CUTTER SHANK WITH COOLANT SYSTEM AND WELDON SHANK

With system for the lubrication of the cutter from the inside during drilling.

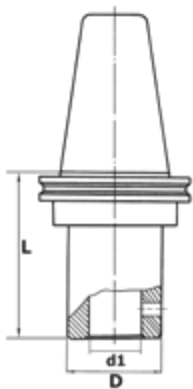


| Art. | MT | Total length | Female junction |
|--------|----|--------------|-----------------|
| M004/2 | 2 | 170,5 mm | Weldon 19,05 mm |
| M004/3 | 3 | 190,5 mm | Weldon 19,05 mm |

4-

WELDON SHANK TOOL HOLDER

DIN 69871/A, balanced chuck body, for milling cutters (Weldon) according to DIN 1835 B and DIN 6535 HB. Supplied with tightening screw. Balancing 12.000 rpm.

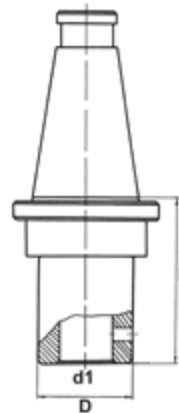


| Art. | ISO | d1 - h6 | D | L |
|---------|-----|---------|-------|--------|
| 4/06A40 | 40 | 6 mm | 25 mm | 60 mm |
| 4/08A40 | 40 | 8 mm | 28 mm | 60 mm |
| 4/10A40 | 40 | 10 mm | 35 mm | 50 mm |
| 4/12A40 | 40 | 12 mm | 42 mm | 60 mm |
| 4/14A40 | 40 | 14 mm | 42 mm | 70 mm |
| 4/16A40 | 40 | 16 mm | 48 mm | 70 mm |
| 4/18A40 | 40 | 18 mm | 48 mm | 70 mm |
| 4/20A40 | 40 | 20 mm | 52 mm | 63 mm |
| 4/25A40 | 40 | 25 mm | 40 mm | 100 mm |
| 4/32A40 | 40 | 32 mm | 72 mm | 100 mm |
| 4/06A50 | 50 | 6 mm | 25 mm | 65 mm |
| 4/08A50 | 50 | 8 mm | 28 mm | 65 mm |
| 4/10A50 | 50 | 10 mm | 35 mm | 70 mm |
| 4/12A50 | 50 | 12 mm | 42 mm | 75 mm |
| 4/14A50 | 50 | 14 mm | 42 mm | 75 mm |
| 4/16A50 | 50 | 16 mm | 48 mm | 80 mm |
| 4/18A50 | 50 | 18 mm | 48 mm | 80 mm |
| 4/20A50 | 50 | 20 mm | 52 mm | 80 mm |
| 4/25A50 | 50 | 25 mm | 65 mm | 100 mm |
| 4/32A50 | 50 | 32 mm | 72 mm | 105 mm |
| 4/40A50 | 50 | 40 mm | 80 mm | 120 mm |

4-xB

WELDON SHANK TOOL HOLDER

DIN 2080, balanced chuck body, for milling cutters (Weldon) according to DIN 1835 B and DIN 6535 HB. Supplied with tightening screw. Balancing 2.000 rpm.



| Art. | ISO | d1 - h6 | D | L |
|---------|-----|---------|-------|--------|
| 4/06B40 | 40 | 6 mm | 25 mm | 50 mm |
| 4/08B40 | 40 | 8 mm | 28 mm | 50 mm |
| 4/10B40 | 40 | 10 mm | 35 mm | 50 mm |
| 4/12B40 | 40 | 12 mm | 42 mm | 50 mm |
| 4/16B40 | 40 | 16 mm | 48 mm | 63 mm |
| 4/18B40 | 40 | 18 mm | 48 mm | 50 mm |
| 4/20B40 | 40 | 20 mm | 52 mm | 63 mm |
| 4/25B40 | 40 | 25 mm | 65 mm | 100 mm |
| 4/32B40 | 40 | 32 mm | 72 mm | 80 mm |
| 4/06B50 | 50 | 6 mm | 25 mm | 50 mm |
| 4/08B50 | 50 | 8 mm | 28 mm | 50 mm |
| 4/10B50 | 50 | 10 mm | 35 mm | 50 mm |
| 4/12B50 | 50 | 12 mm | 42 mm | 50 mm |
| 4/16B50 | 50 | 16 mm | 48 mm | 50 mm |
| 4/20B50 | 50 | 20 mm | 52 mm | 63 mm |
| 4/25B50 | 50 | 25 mm | 65 mm | 80 mm |
| 4/32B50 | 50 | 32 mm | 72 mm | 80 mm |
| 4/40B50 | 50 | 40 mm | 90 mm | 90 mm |

4-xD

WELDON SHANK TOOL HOLDER

MAS-403 BT, balanced chuck body, for milling cutters (Weldon) according to DIN 1835 B and DIN 6535 HB. Supplied with tightening screw. Balancing 12.000 rpm.



| Art. | BT | d1 - h6 | D | L |
|---------|----|---------|-------|--------|
| 4/06D40 | 40 | 6 mm | 25 mm | 60 mm |
| 4/08D40 | 40 | 8 mm | 28 mm | 60 mm |
| 4/10D40 | 40 | 10 mm | 35 mm | 60 mm |
| 4/12D40 | 40 | 12 mm | 42 mm | 70 mm |
| 4/14D40 | 40 | 14 mm | 42 mm | 70 mm |
| 4/16D40 | 40 | 16 mm | 48 mm | 70 mm |
| 4/18D40 | 40 | 18 mm | 48 mm | 70 mm |
| 4/20D40 | 40 | 20 mm | 52 mm | 75 mm |
| 4/25D40 | 40 | 25 mm | 63 mm | 100 mm |
| 4/32D40 | 40 | 32 mm | 72 mm | 100 mm |
| 4/06D50 | 50 | 6 mm | 25 mm | 65 mm |
| 4/08D50 | 50 | 8 mm | 28 mm | 65 mm |
| 4/10D50 | 50 | 10 mm | 35 mm | 70 mm |
| 4/12D50 | 50 | 12 mm | 42 mm | 75 mm |
| 4/14D50 | 50 | 14 mm | 42 mm | 75 mm |
| 4/16D50 | 50 | 16 mm | 48 mm | 80 mm |
| 4/18D50 | 50 | 18 mm | 48 mm | 80 mm |
| 4/20D50 | 50 | 20 mm | 52 mm | 80 mm |
| 4/25D50 | 50 | 25 mm | 65 mm | 100 mm |
| 4/32D50 | 50 | 32 mm | 72 mm | 105 mm |
| 4/40D50 | 50 | 40 mm | 80 mm | 120 mm |

2-xA

MORSE TAPER ADAPTER WITH THREAD

DIN 69871/A, balanced chuck body. Balancing 12.000 rpm.



| Art. | ISO | MT | D | L |
|--------|-----|----|-------|--------|
| 2/1A40 | 40 | 1 | 25 mm | 45 mm |
| 2/2A40 | 40 | 2 | 32 mm | 60 mm |
| 2/3A40 | 40 | 3 | 40 mm | 75 mm |
| 2/4A40 | 40 | 4 | 50 mm | 98 mm |
| 2/2A50 | 50 | 2 | 32 mm | 40 mm |
| 2/3A50 | 50 | 3 | 40 mm | 50 mm |
| 2/4A50 | 50 | 4 | 50 mm | 80 mm |
| 2/5A50 | 50 | 5 | 63 mm | 110 mm |

2-xB

MORSE TAPER ADAPTER WITH THREAD

DIN 2080, balanced chuck body. Balancing 2.000 rpm.



| Art. | ISO | MT | D | L |
|--------|-----|----|-------|--------|
| 2/1B40 | 40 | 1 | 25 mm | 15 mm |
| 2/2B40 | 40 | 2 | 32 mm | 30 mm |
| 2/3B40 | 40 | 3 | 40 mm | 64 mm |
| 2/4B40 | 40 | 4 | 50 mm | 94 mm |
| 2/2B50 | 50 | 2 | 32 mm | 20 mm |
| 2/3B50 | 50 | 3 | 40 mm | 30 mm |
| 2/4B50 | 50 | 4 | 50 mm | 65 mm |
| 2/5B50 | 50 | 5 | 63 mm | 105 mm |

**2-xD****MORSE TAPER ADAPTER WITH THREAD**

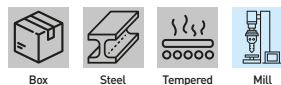
MAS-403 BT, balanced chuck body. Balancing 12.000 rpm.



| Art. | BT | MT | D | L |
|--------|----|----|-------|--------|
| 2/1D40 | 40 | 1 | 25 mm | 45 mm |
| 2/2D40 | 40 | 2 | 32 mm | 60 mm |
| 2/3D40 | 40 | 3 | 40 mm | 75 mm |
| 2/4D40 | 40 | 4 | 50 mm | 98 mm |
| 2/2D50 | 50 | 2 | 32 mm | 40 mm |
| 2/3D50 | 50 | 3 | 40 mm | 75 mm |
| 2/4D50 | 50 | 4 | 50 mm | 80 mm |
| 2/5D50 | 50 | 5 | 63 mm | 110 mm |

TIPAx**TIP**

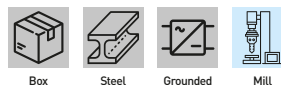
DIN 69871/A.



| Art. | ISO |
|--------|-----|
| TIPA40 | 40 |
| TIPA50 | 50 |

**TIPDx****TIP**

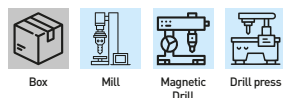
MAS-403 BT.



| Art. | ISO |
|--------|-----|
| TIPD40 | 40 |
| TIPD50 | 50 |

**M059-****REVERSIBLE TAPPING CHUCK WITH ADJUSTABLE CLUTCH**

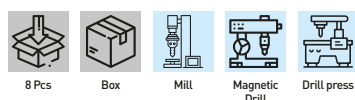
The adjustable safety device with friction reduces the possibility of breaking the male during the execution of the thread. Built-in rotation inverter, immediately active when the feed device is changed. Adjustable clutch in 4 positions. Equipped with 2 flexible pliers and keys for use.



| Art. | Tapping range | Dimensions w/o MT | MT | DIN |
|---------|---------------|-------------------|----|-----|
| M059/07 | M 2 - 7 | Ø 55 x 130h mm | 2 | B16 |
| M059/12 | M 5 - 12 | Ø 75 x 162h mm | 3 | B16 |
| M059/20 | M 8 - 20 | Ø 91 x 204h mm | 4 | B22 |

**M060-****TAPPING CHUCK**

Thanks to the compensation, the possibility of breaking the male during the threading operation is significantly reduced. Possibility of adjusting the intensity of the compensation. Equipped with 6 sockets with Ø 19 mm connection. Sockets per square: N°1 3.5x2.7 mm - N°1 4.5x3.4 mm - N°2 6x4.9 mm - N°1 8x6.2 mm - N°1 10x8 mm - N°1 9x7 mm.

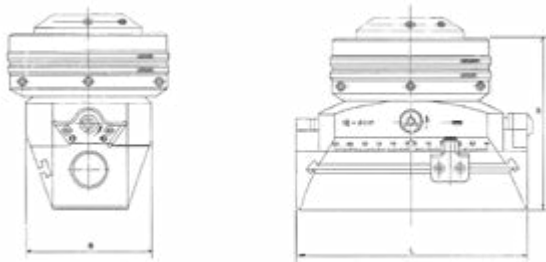


| Art. | Tapping range | Arbor length with and without holder | MT |
|--------|---------------|--------------------------------------|----|
| M060/2 | M 3 - 12 | 213 - 175 - Ø 46 mm | 2 |
| M060/3 | M 3 - 12 | 228 - 190 - Ø 46 mm | 3 |
| M060/4 | M 3 - 12 | 253 - 215 - Ø 46 mm | 4 |



T021-
AUTOMATIC PRECISION BORING HEAD

To slightly correct the axiality and diameter of the holes. It can work automatically and manually.



| Art. |
|-------------|
| T021/030 |
| T021/030CM3 |
| T021/050 |
| T021/100 |
| T021/100/50 |

| | T021/030 T021/030CM3 | T021/050 | T021/100 T021/100/50 |
|--|----------------------------------|----------------------------------|----------------------------------|
| Max facing and boring \varnothing | 150 mm | 350 mm | 450 mm |
| Max stroke of slide | ± 15 mm | ± 25 mm | ± 50 mm |
| Fine feed per graduation | 0,005 mm | 0,005 mm | 0,005 mm |
| Manual feed per revolution | 2 mm | 3 mm | 3 mm |
| Self acting feed per revolution | 0,02-0,04-0,06 0,08-0,10-0,12 mm | 0,03-0,06-0,09 0,12-0,15-0,18 mm | 0,03-0,06-0,09 0,12-0,15-0,18 mm |
| \varnothing of tool post holes in head | 18 mm | 22 mm | 22 mm |
| Max \varnothing of head | 90 mm | 120 mm | 168 mm |
| Height of head without shank - (H) | 87,5 mm | 118 mm | 118 mm |
| Weight of head without shank | 2,9 kg | 6,1 kg | 7,8 kg |
| Length of sliding block | 75 mm | 105 mm | 160 mm |
| Width of sliding block | 70 mm | 90 mm | 90 mm |
| Collets hole | 4 - 8 - 12 mm | 8 - 10 - 12 - 14 mm | 8 - 10 - 12 - 14 mm |
| Accessories | 1 - 2 - 6 | 1 - 2 - 3 - 4 - 5 | 1 - 2 - 3 - 4 - 5 |
| Extension hole for tool holder | $\varnothing 6$ mm | $\varnothing 10$ mm | $\varnothing 10$ mm |

T010-
PRECISION BORING HEAD

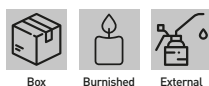
Tool kit not included, to slightly correct the axiality and diameter of the holes.



| Art. | Boring head body | Shank | Tools | Max offset | A |
|-----------|---------------------|----------------|---------------------|------------|-------|
| T010/5003 | $\varnothing 50$ mm | MT3-DIN228A | $\varnothing 12$ mm | 15 mm | 75 mm |
| T010/5004 | $\varnothing 50$ mm | MT4-DIN228A | $\varnothing 12$ mm | 15 mm | 75 mm |
| T010/5040 | $\varnothing 50$ mm | ISO 40-DIN2080 | $\varnothing 12$ mm | 15 mm | 81 mm |
| T010/7540 | $\varnothing 75$ mm | ISO 40-DIN2080 | $\varnothing 18$ mm | 25 mm | 99 mm |

B001-
SOLID BORING BAR SET FOR PRECISION BORING HEADS

For the various boring operations.



| Art. | Suitable | Spindle | Length | Screw | Insert (not included) |
|---------|----------|---------------------|--------|-------|-----------------------|
| B001/12 | T010/50 | 12 \varnothing mm | 60 mm | KV250 | TCMT110204N |
| B001/18 | T010/75 | 18 \varnothing mm | 99 mm | KV250 | TCMT110204N |

S007-
CHUCK HOLDER TILTABLE

DIN 2080, DIN 69871/A and MAS BT-TC, it allows the orientation of the tool holders on the vertical and horizontal axes to facilitate the assembly of the tools. The cone of the tool holders is protected by two suitably positioned O-rings. Steel cone, operating levers in thermoplastic material, base to be fixed to the workbench with 4 screws.



| Art. | Dimensions | Base | Taper |
|---------|---------------|----------|---|
| S007/30 | 230 x h150 mm | Ø 150 mm | ISO 30 DIN 2080 - SK30 DIN 69871 - BT30 - CAT30 - HSK50A - CAPTO C5 |
| S007/40 | 235 x h155 mm | Ø 150 mm | ISO 40 DIN 2080 - SK40 DIN 69871 - BT40 - CAT40 - HSK63A - CAPTO C6 |
| S007/50 | 265 x h200 mm | Ø 180 mm | ISO 50 DIN 2080 - SK50 DIN 69871 - BT50 - CAT50 - HSK100A - CAPTO C10 |

S014-
CHUCK HOLDER

Equipped with vertical and horizontal position. Base with 4 fixing holes to fix it to the workbench.



| Art. | Chuck sizes |
|------------|---------------------|
| S014/40BT | BT 40 ISO 40 |
| S014/40DIN | DIN 69871.40 ISO 40 |
| S014/50BT | BT 50 ISO 50 |
| S014/50DIN | DIN 69871.50 ISO 50 |

P450A
NEW
TOOL ROLLING CABINET KIT

Equipped with slotted walls with the insertion of bush holder frames, carrying handle. Supplied in assembly kit with 20 cone holders.



| | |
|------------|----------------------|
| Dimensions | 1080 x 656 x 830h mm |
| Taper | ISO 50 |

P440A
NEW
TOOL ROLLING CABINET KIT

Equipped with slotted walls with the insertion of bush holder frames, carrying handle. Supplied in assembly kit with 28 cone holders.



| | |
|------------|----------------------|
| Dimensions | 1080 x 656 x 830h mm |
| Taper | ISO 40 |

P350A
NEW
TABLE TOOL RACK KIT

Frame that can be positioned on the workbench or on the cabinets, designed for the insertion of tool holder bushings on three rows. Supplied in assembly kit with 15 cone holders.



| | |
|------------|---------------------|
| Dimensions | 620 x 453 x 350h mm |
| Taper | ISO 50 |

P340A
NEW
TABLE TOOL RACK KIT

Frame that can be positioned on the workbench or on the cabinets, designed for the insertion of tool holder bushings on three rows. Supplied in assembly kit with 21 cone holders.



| | |
|------------|---------------------|
| Dimensions | 620 x 453 x 350h mm |
| Taper | ISO 40 |

PC50A NEW

TOOL HOLDER SHELF

Equipped with handles for handling. Supplied with 5 cone holders.



Box

| | |
|------------|--------------------|
| Dimensions | 620 x 140 x 90h mm |
| Taper | ISO 50 |

PC40A NEW

TOOL HOLDER SHELF

Equipped with handles for handling. Supplied with 7 cone holders.



Box

| | |
|------------|--------------------|
| Dimensions | 620 x 145 x 65h mm |
| Taper | ISO 40 |

PC50A/R NEW

TOOL HOLDER SET

Pin fixing.



10 Pcs



Box

Plastic

| | |
|------------|--------------|
| Dimensions | 140 x 105 mm |
| Taper | ISO 50 |

PC40A/R NEW

SET OF 10 CONE HOLDER BUSHINGS

Pin fixing.



10 Pcs



Box

Plastic

| | |
|------------|-------------|
| Dimensions | 140 x 80 mm |
| Taper | ISO 40 |

P4ACS NEW

COUPLE OF SUPPORTS

For tool rolling cabinet.

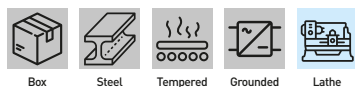


Steel



**C046-****ROTARY LIVE CENTER**

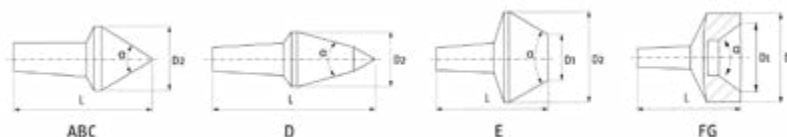
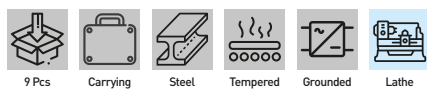
Mainly used in lathes with the aim of stabilizing long and thin pieces, more subject to bending or uncontrolled oscillation caused by the forces generated during machining.



| Art. | MT | Center | Body | Length | rpm max | Maximum capacity |
|--------|----|------------------|---------|--------|------------|------------------|
| C046/2 | 2 | 60° - max Ø21mm | Ø 45 mm | 152 mm | 2500 g/min | 50 kg |
| C046/3 | 3 | 60° - max Ø27 mm | Ø 53 mm | 180 mm | 2500 g/min | 75 kg |
| C046/4 | 4 | 60° - max Ø29 mm | Ø 63 mm | 218 mm | 2000 g/min | 150 kg |
| C046/5 | 5 | 60° - max Ø37 mm | Ø 80 mm | 276 mm | 2000 g/min | 200 kg |

C050-**PRECISION LIVE CENTER SET**

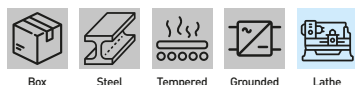
Mainly used in lathes with the aim of stabilizing long and thin pieces, more subject to bending or uncontrolled oscillation caused by the forces generated during machining. Complete with 7 interchangeable inserts and extractor for the inserts.



| Art. | MT | A | B | C | D | E | F | G |
|--------|----|-------------------------------------|-------------------------------------|-------------------------------------|-----------------------------------|---|---|---|
| C050/2 | 2 | L2 39 mm - D2-D3 16 mm - α 60° mm | L2 35,5 mm - D2-D3 16 mm - α 75° mm | L2 33 mm - D2-D3 16 mm - α 90° mm | L2 46 mm - D2-D3 16 mm - α 60° mm | L2 40 mm - D2-D3 25 mm / 10 mm - α 60° mm | L2 36 mm - D2-D3 16 mm / 10 mm - α 60° mm | L2 39 mm - D2-D3 20 mm / 16 mm - α 60° mm |
| C050/3 | 3 | L2 48 mm - D2-D3 20 mm - α 60° mm | L2 43,5 mm - D2-D3 20 mm - α 75° mm | L2 40,5 mm - D2-D3 20 mm - α 90° mm | L2 56 mm - D2-D3 18 mm - α 60° mm | L2 50 mm - D2-D3 35 mm / 15 mm - α 60° mm | L2 42 mm - D2-D3 22 mm / 18 mm - α 60° mm | L2 48 mm - D2-D3 35 mm / 30 mm - α 60° mm |
| C050/4 | 4 | L2 61,5 mm - D2-D3 28 mm - α 60° mm | L2 55,5 mm - D2-D3 28 mm - α 75° mm | L2 51,5 mm - D2-D3 28 mm - α 90° mm | L2 73 mm - D2-D3 26 mm - α 60° mm | L2 61,5 mm - D2-D3 55 mm / 30 mm - α 60° mm | L2 55 mm - D2-D3 40 mm / 35 mm - α 60° mm | L2 60 mm - D2-D3 55 mm / 48 mm - α 60° mm |

C055-**TUBE ROTARY LIVE CENTER**

For turning and grinding of pipes and hollow bodies.



| Art. | MT | Ø | Length | rpm max | Maximum capacity |
|--------|----|-------------------|--------|------------|------------------|
| C055/3 | 3 | 60° - 30 ÷ 100 mm | 170 mm | 2500 g/min | 200 kg |
| C055/4 | 4 | 60° - 40 ÷ 160 mm | 230 mm | 1600 g/min | 350 kg |
| C055/5 | 5 | 60° - 66 ÷ 200 mm | 290 mm | 1500 g/min | 350 kg |

C053-**CARBIDE TIPPED DEAD CENTER**

Mainly used in lathes with the aim of stabilizing long and thin pieces, more subject to bending or uncontrolled oscillation caused by the forces generated during machining.



| Art. | MT | Carbide center max | Length |
|--------|----|--------------------|--------|
| C053/2 | 2 | 60° - max Ø 8 mm | 100 mm |
| C053/3 | 3 | 60° - max Ø 11 mm | 125 mm |
| C053/4 | 4 | 60° - max Ø 13 mm | 160 mm |
| C053/5 | 5 | 60° - max Ø 17 mm | 200 mm |

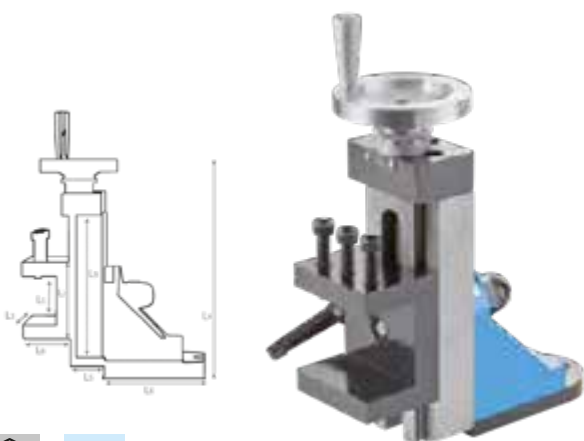
HOW TO CHOOSE YOUR TOOL POST

| LATHE CENTERS HEIGHT | TOOL POST TYPE |
|----------------------|----------------|
| 90 mm | A0 |
| 120 mm | A1 |
| 140 mm | A |
| 150 - 200 mm | E |
| 200 - 250 mm | B |
| 250 - 350 mm | C |

0688

LATHE MILL TABLE UNIVERSAL DEVICE

It allows you to perform a surface machining on the clamped piece with the use of the lathe spindle as a tool holder. Fixing by mechanical adaptation to the machine in which it is to be applied.

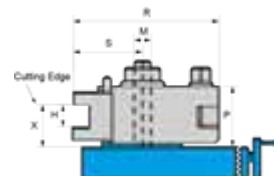


| | |
|----|--------|
| L1 | 52 mm |
| L2 | 80 mm |
| L3 | 65 mm |
| L4 | 220 mm |
| L5 | 37 mm |
| L6 | 110 mm |
| L8 | 46 mm |
| L9 | 150 mm |

T00x

QUICK CHANGE TOOL POST

With hardened and ground tooling. By acting on an eccentric pin, the tool holder is locked on the tooling of the body. It allows reproducibility of 40 possible angular positions of the tool holder. This accuracy is maintained even after countless tool changes. Consisting of: 1 tool holder turret, 3 flat seat tool holders, 1 prismatic seat tool holder.

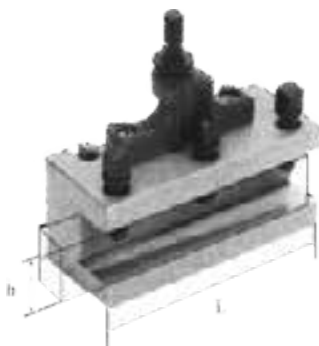


| Art. | R max | S max | P | H | X min |
|------|--------|--------|--------|-------|-------|
| T00A | 100 mm | 54 mm | 48 mm | 16 mm | 30 mm |
| T00B | 150 mm | 75 mm | 71 mm | 25 mm | 37 mm |
| T00C | 202 mm | 105 mm | 102 mm | 32 mm | 47 mm |
| T00E | 125 mm | 68 mm | 60 mm | 20 mm | 35 mm |

T00x-D

FLAT TYPE TOOL HOLDERS

Type D equipped with screw for height adjustment and 3 clamping screws.

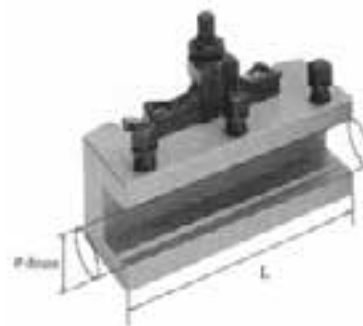


| Art. | L | h |
|--------|--------|-------|
| T00A/D | 80 mm | 16 mm |
| T00B/D | 120 mm | 25 mm |
| T00C/D | 150 mm | 32 mm |
| T00E/D | 100 mm | 20 mm |

T00x-B

PRISMATIC TYPE TOOL HOLDERS

Type B equipped with screw for height adjustment and 3 clamping screws.



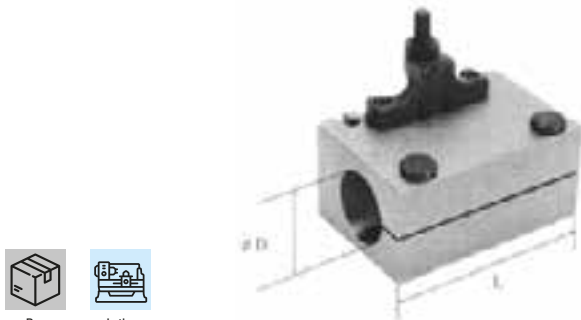
| Art. | L | d max |
|--------|--------|-------|
| T00A/B | 80 mm | 20 mm |
| T00B/B | 130 mm | 32 mm |
| T00C/B | 160 mm | 32 mm |
| T00E/B | 100 mm | 30 mm |



T00x-S

TOOL HOLDERS FOR SOCKET

Type S, suitable for housing Morse taper bushes cod. C40142, and for the direct housing of turning bars. Equipped with adjustment screw and 2 locking screws.



| Art. | L | D |
|--------|--------|-------|
| T00A/S | 80 mm | 30 mm |
| T00B/S | 120 mm | 40 mm |
| T00C/S | 150 mm | 40 mm |
| T00E/S | 100 mm | 30 mm |

T0Ax

QUICK CHANGE TOOL POST

For quick tool changes thanks to the lock / unlock lever. Composed of: - 1 tool post - 4 flat type tool holders.



| Art. | Length | Width | Working height | Hole | Tool height |
|------|---------|---------|----------------|----------|-------------|
| T0AA | 57 mm | 64 mm | 56 mm | 14,4 mm | 14 mm |
| T0AB | 95 mm | 85 mm | 76 mm | 19,9 mm | 20 mm |
| T0AC | 100 mm | 100 mm | 92 mm | 22,22 mm | 25 mm |
| T0AE | 76,5 mm | 76,5 mm | 90 mm | 16,5 mm | 20 mm |

T00Ax

QUICK CHANGE TOOL POST

For quick tool changes thanks to the locking / unlocking pin. Composition of the set: - 1 tool holder turret - 3 tool holders with flat seat.

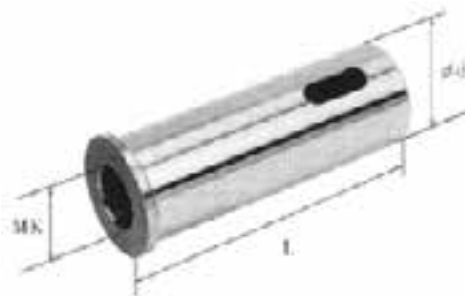


| Art. | Length | Width | Height | Hole | Tool height |
|--------|--------|-------|--------|-------|-------------|
| T00A0 | 60 mm | 50 mm | 30 mm | 10 mm | 12 mm |
| T00A0L | 60 mm | 50 mm | 40 mm | 10 mm | 12 mm |
| T00A1R | 68 mm | 68 mm | 47 mm | 10 mm | 19 mm |

T00x-LC

REDUCTION SLEEVE

For housing tools with MT attachment.



| Art. | L | d | MT |
|------------|--------|-------|----|
| T00AE/LCM1 | 80 mm | 30 mm | 1 |
| T00AE/LCM2 | 95 mm | 30 mm | 2 |
| T00BC/LCM2 | 105 mm | 36 mm | 2 |
| T00BC/LCM3 | 120 mm | 40 mm | 3 |
| T00BC/L 4 | 150 mm | 40 mm | 4 |

T0Ax-D

FLAT TYPE TOOL HOLDERS

Quick change with flat seat equipped with screw for height adjustment and 4 tightening screws.



| Art. | Length | Width | Height | Tool height |
|--------|--------|---------|--------|-------------|
| T0AA/D | 76 mm | 25,5 mm | 38 mm | 14 mm |
| T0AB/D | 108 mm | 35 mm | 54 mm | 20 mm |
| T0AC/D | 125 mm | 40 mm | 63 mm | 25 mm |
| T0AE/D | 89 mm | 29 mm | 45 mm | 20 mm |

T00Ax-PP

FLAT TYPE TOOL HOLDERS

Quick change with flat seat equipped with screw for height adjustment and 2 tightening screws.



| Art. | Length | Width | Height | Tool height |
|-----------|--------|-------|--------|-------------|
| T00A0/PP | 50 mm | 22 mm | 24 mm | 12 mm |
| T00A1R/PP | 66 mm | 27 mm | 46 mm | 19 mm |

T00A1
QUICK CHANGE TOOL POST

For quick tool changes thanks to the locking / unlocking pin. Composition of the set: - 1 tool holder turret - 3 tool holders with flat seat.



Box



Lathe

| | |
|-------------|-------|
| Length | 57 mm |
| Width | 57 mm |
| Height | 37 mm |
| Hole | 16 mm |
| Tool height | 14 mm |

T00A1/PP
FLAT TYPE TOOL HOLDERS

Quick change with flat seat equipped with screw for height adjustment and 4 tightening screws.



Box



Lathe

| | |
|-------------|---------|
| Length | 58 mm |
| Width | 28,5 mm |
| Height | 25 mm |
| Tool height | 12 mm |

T00A1/LR
NEW
BLADE TOOL

For cutting operations. For T00A1/PL blade holder.


**HSS
M2**


Cut



Lathe

| | |
|-----------|----------|
| Length | 101,6 mm |
| Height | 12,7 mm |
| Thickness | 2,38 mm |

T00A1/PL
NEW
BLADE TOOL HOLDER

Quick-change. Equipped with height adjustment screw and 3 blade clamping screws.



Box



Lathe

| | |
|-------------|---------|
| Length | 58 mm |
| Width | 30,5 mm |
| Height | 25 mm |
| Tool height | 13 mm |

T00A1/SP
NEW
TOOL HOLDER PRISMATIC SEAT

Quick-change. Equipped with height adjustment screw and 4 clamping screws.

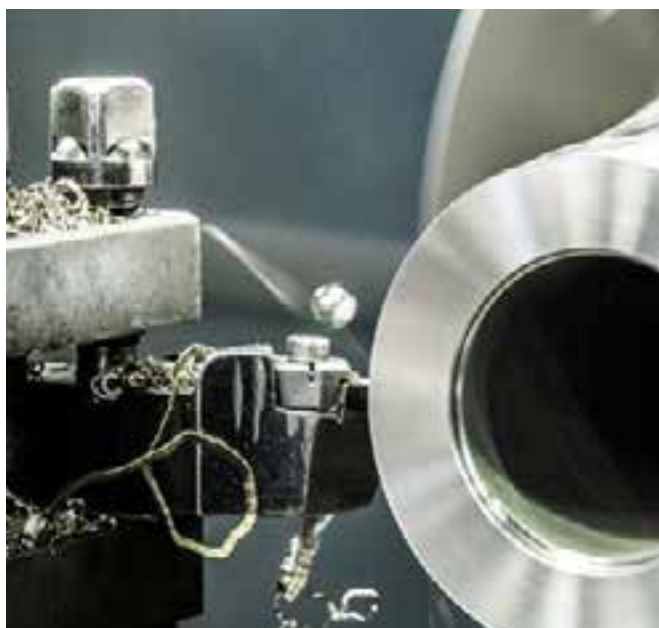


Box



Lathe

| | |
|-------------|---------|
| Length | 58 mm |
| Width | 28,5 mm |
| Height | 25 mm |
| Tool height | 12 mm |





M038

CROSS FEED MOTOR

For X axis, horizontal motor position, table with feed through adjustable potentiometer for displacements and button for rapid movements, moreover the rotation of the motor is both clockwise and anticlockwise.



| | |
|-------------|--------------------|
| Round speed | 0 ÷ 200 rpm |
| Torque | 5,1 Nm |
| Motor | 230 V 50 Hz 0,1 kW |
| Net weight | 6 kg |



P018-

COOLING SYSTEM FOR MACHINES

To allow refrigeration on machines such as lathes, column drills, cutters not equipped with a system.



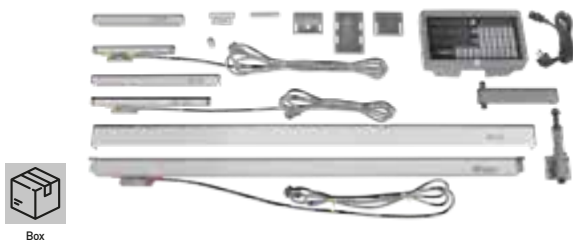
| Art. | Power | Tank capacity | Pump capacity |
|-----------|-------------------|---------------|---------------|
| P018/230V | 230V - 50Hz - 40W | 10 l | 22 l/min |
| P018/400V | 400V - 50Hz - 40W | 10 l | 22 l/min |



T999/3A

LATHE DISPLAY KIT

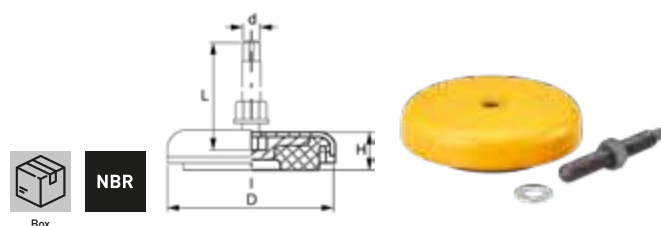
Equipped with 3-axis display, measuring lines and connection cables.



Straight jaws Cross slide 335 mm | Long. turret 235 mm | Long. slide 1170 mm

0715-

ANTI-VIBRATION MOUNTINGS



| Art. | D | d | L | H | Capacity |
|-----------|--------|-----|--------|-------|----------|
| 0715/0080 | 40 mm | M5 | 40 mm | 15 mm | 80 Kg |
| 0715/0400 | 80 mm | M10 | 95 mm | 25 mm | 400 Kg |
| 0715/1100 | 120 mm | M12 | 125 mm | 33 mm | 1100 Kg |
| 0715/2000 | 160 mm | M16 | 145 mm | 35 mm | 2000 Kg |

T200

COOLING HOSE

Suitable for liquids and air, resistant to vibrations, internal diameter of 6 mm and connection of 1/4". completely hermetic, constant internal diameter in any position, unalterable to normal chemicals. Composed of: n. 20 segments, n.1 nozzle: hole Ø1,5 mm, n.1 nozzle: hole Ø3 mm, n.1 nozzle: hole Ø7 mm, n.1 fitting: 1/8", n.1 fitting: 1/4" and n.1 plain nozzle.

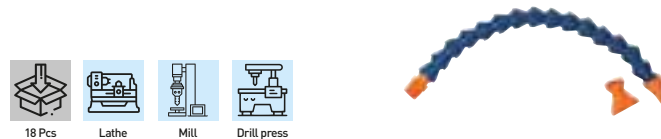


| | |
|---------------|-------------|
| Total length | 330 mm |
| Hose diameter | 6 mm - 1/4" |

T201

COOLING HOSE

Suitable for liquids and air, resistant to vibrations, internal diameter of 12 mm and connection of 1/2". Completely hermetic, constant internal diameter in any position, unalterable to normal chemicals. Composed of: n.12 segments n.1 nozzle - hole: Ø6 mm, n.1 nozzle - hole: Ø9.5 mm, n.1 nozzle - hole: Ø12.5 mm, n.1 fitting 1/2", n.1 fitting 3/8", n.1 plain nozzle.



| | |
|---------------|--------------|
| Total length | 320 mm |
| Hose diameter | 12 mm - 1/2" |

T202
NEW
ARTICULATED MODULAR HOSE SET FOR REFRIGERANT LIQUIDS

Suitable for liquid and air mounting and unalterable to normal chemical agents, internal diameter of 6 mm and 1/4" connection. Consisting of: 1 hose clamp, 1 Y fitting, 2 fittings: 1/8", n.2 fittings: 1/4", n.1 tap with 1/4" fitting, n.1 tap with hose connection, n.6 nozzles (2pcs 1/16", 2pcs 1/8" and 2pcs 1/4"), 3 spatula nozzles, 2 spatula nozzles with holes, 3 90° nozzles, 1 90° nozzle with holes, 6 pipes l=150 mm consisting of 10 segments the one.



Hose diameter 6 mm - 1/4"

T338-
CHROMED METAL JOINTED TUBE FOR REFRIGERATING LIQUIDS

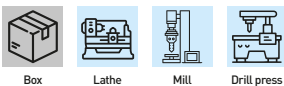

| Art. | Total length | Thread |
|----------|--------------|--------|
| T338/500 | 500 mm | 3/8" |
| T338/600 | 600 mm | 3/8" |

Tx
LATHE CHUCK SAFETY GUARD STEEL FRAME WITH LEXAN SCREEN


| Art. | Dimensions |
|------|----------------|
| T400 | Ø 400 x 200 mm |
| T500 | Ø 500 x 220 mm |
| T600 | Ø 600 x 280 mm |

P100/250
MACHINE TOOL SAFETY GUARD

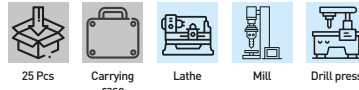
With safety microswitch, adjustable height.



| | |
|---------|------------------|
| Spindle | 400 mm |
| Shield | 150x250 H x L mm |

T203
NEW
ARTICULATED MODULAR HOSE SET FOR REFRIGERANT LIQUIDS

Suitable for liquids and air and unalterable to normal chemical agents, internal diameter of 12 mm and 1/2" connection. Composed of: no.1 hose assembly pliers, no.1 Y-connector, no.2 fittings: 1/2", no.2 fittings: 3/8", no.1 tap with hose connection, no.1 tap with 1/2" connection, no.1 1/2" articulated connection, no.6 nozzles (2pcs with Ø6 mm hole, 2pcs with Ø9.5 mm hole and 2pcs with Ø12.5 mm hole), no.3 90° nozzles, no.3 90° nozzles with holes, no.6 pipes l=160 mm composed of 7 segments each.



Hose diameter 12 mm - 1/2"

S100
BENCH GRINDER SAFETY GUARD WITH LEXAN SCREEN

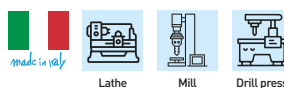

Dimensions 110 x 120 mm

Mx
UNIVERSAL SUPPORT UNIT FOR LATHE WITH CHUCK SAFETY GUARD WITH MICROSWITCH


| Art. | Spindle | Length |
|------|---------|--------|
| M400 | ø 30 mm | 350 mm |
| M500 | ø 30 mm | 400 mm |
| M600 | ø 30 mm | 450 mm |

P101-
MACHINE TOOL SAFETY GUARD

Adjustable and tilting height, lexan screen, safety microswitch.



| Art. | Spindle | Shield |
|----------|---------|--------------------|
| P101/300 | 400L mm | 150 x 350 H x L mm |
| P101/350 | 500L mm | 150 x 400 H x L mm |
| P101/400 | 600L mm | 200 x 500 H x L mm |



0531A

LED LIGHT MACHINE OPERATION LAMP

Articulated, without transformer.



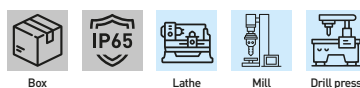
| | |
|-------------------|-----------------|
| Power | 24 V 13 W AC/DC |
| Luminous flux | 1800 lm |
| Color temperature | 6500 K |
| LED number | 9 |
| Height | 110 mm |
| Diameter | 125 mm |
| Joints | 1 |



0532A

LED LIGHT MACHINE OPERATION LAMP

Articulated, without transformer.



| | |
|-------------------|-----------------|
| Power | 24 V 13 W AC/DC |
| Luminous flux | 1800 lm |
| Color temperature | 6500 K |
| LED number | 9 |
| Height | 890 mm |
| Diameter | 125 mm |
| Joints | 3 |



0532A/230V

LED LIGHT MACHINE OPERATION LAMP

Articulated, with transformer.



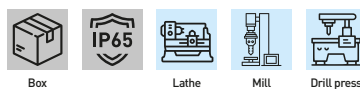
| | |
|-------------------|------------------|
| Power | 230 V 50 Hz 13 W |
| Luminous flux | 1800 lm |
| Color temperature | 6500 K |
| LED number | 9 |
| Height | 900 mm |
| Diameter | 125 mm |
| Joints | 3 |



0371

LED LIGHT MACHINE OPERATION LAMP

Articulated, without transformer.



| | |
|-------------------|---------|
| Power | 24V 10W |
| Luminous flux | 1200 lm |
| Color temperature | 6500 K |
| Joint height | 110 mm |
| Diameter | 110 mm |
| Joints | 1 |



0537A

LED LIGHT MACHINE OPERATION LAMP

Articulated, without transformer.



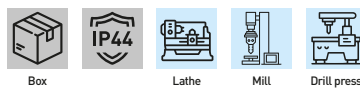
| | |
|-------------------|--------|
| Power | 24V 7W |
| Luminous flux | 700 lm |
| Color temperature | 6500 K |
| LED number | 7 |
| Height | 100 mm |
| Diameter | 90 mm |
| Joints | 1 |



0538A

LED LIGHT MACHINE OPERATION LAMP

Articulated, without transformer.



| | |
|-------------------|--------|
| Power | 24V 7W |
| Luminous flux | 700 lm |
| Color temperature | 6500 K |
| LED number | 7 |
| Height | 650 mm |
| Diameter | 90 mm |
| Joints | 3 |



0536

MACHINE TOOL OPERATION LAMP

Flexible, with transformer and magnetic base.



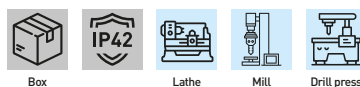
| | |
|------------------|-------------------|
| Height max | 620 mm |
| With transformer | 230 V / 12 V 25 W |



0536A

LED LIGHT MACHINE OPERATION LAMP




Flexible, with transformer and magnetic base.





| | |
|-----------|-----------------|
| Power | 230V / 5W |
| Height | 600 mm |
| Diameter | 60 mm |
| Joints | 1 |
| Intensity | 500 lm - 6400 K |












TOOLS FOR TURNING AND MILLING

- p. 146  External tool holders
- p. 152  Internal tool holders
- p. 155  Tools for threading and cutting off
- p. 160  Milling cutters
- p. 164  Tool accessories








INSERTS, LATHE TOOLS AND TOOL BITS

- p. 168  Insert for lathe
- p. 175  Milling inserts
- p. 178  Tapping inserts
- p. 178  Inserts for cutting off
- p. 179  Lathe tools
- p. 181  Tool bits


TWIST DRILLS AND CUTTERS FOR METAL

- p. 184  Straight shank twist drills
- p. 193  Conical and center drills
- p. 195  Weldon shank
- p. 199  Hole saw
- p. 206  Machine reamers
- p. 207  Counterborers
- p. 208  Stepped cutters & countersinks
- p. 210  End mills
- p. 212  Tungsten carbide rotary burrs
- p. 220  Disc shaper cutters


BUILDING AND WOOD DRILLS AND CUTTERS

- p. 221  Straight shank twist drills
- p. 221  Sds Plus shank
- p. 222  Hole saw
- p. 223  Diamond tools
- p. 226  Wood drill bits and hole saws
- p. 227  End mills for wood


TAPS AND DIES

- p. 228  Tap and die sets
- p. 231  HSS taps
- p. 234  Dies


THREAD REPAIR

- p. 237  Thread repair set
- p. 242  Thread repair insert
- p. 246  Taps for thread repair
- p. 249  Thread repair tools


BANDSAW BLADES AND SAW BLADES

- p. 250  Bandsaw blades
- p. 251  Saw blades



IDENTIFICATION OF TURNING TOOLS FOR EXTERNAL PROCESSING

| | | | | | |
|----------|----------|----------|----------|----------|-----------|
| S | T | G | C | R | 16 |
| 1 | 2 | 3 | 4 | 5 | 6 |

3 - Type of tool

1 - Locking method

2 - Insert shape

4 - Insert clearance angle

5 - Tool direction

6 - Tool shank size

IDENTIFICATION OF TURNING TOOLS FOR INTERNAL PROCESSING

| | | | | | |
|----------|----------|----------|----------|----------|-----------|
| S | S | S | C | R | 16 |
| 1 | 2 | 3 | 4 | 5 | 6 |

3 - Type of tool

1 - Locking method

2 - Insert shape

4 - Insert clearance angle

5 - Tool direction

6 - Tool shank diameter

CHOICE OF INSERT SHAPE ACCORDING TO THE TYPE OF PROCESSING TO BE CARRIED OUT

| | S | T | C | K | D |
|----------------------------|---|---|---|---|---|
| External turning | | | | | |
| Axial Turning / Facing | ○ | ○ | ● | ○ | ○ |
| Profiling | - | ○ | - | ○ | ● |
| Facing | ● | ○ | ○ | ○ | ○ |
| Plunge turning | - | ○ | - | - | - |

| | S | T | C | K | D |
|----------------------------|---|---|---|---|---|
| Internal turning | | | | | |
| Axial Turning / Facing | ○ | ● | ○ | - | ○ |
| Profiling | - | ○ | - | ○ | ● |
| Facing | - | ○ | ● | - | ○ |

Key
 ● Recommended shape
 ○ Possible shape
 - Not usable


RECOMMENDED VALUES FOR CUTTING SPEED Vc (m/min) FOR TURNING

| Materials to be processed | | External turning | | Internal turning | | Shape tool | Truncation | Threading with tool |
|---------------------------|--------------------------------------|------------------|--------|------------------|--------|------------|------------|---------------------|
| | | Roughing | Finish | Roughing | Finish | | | |
| P | Rm Steel < 600 N/mm ² | 100* | 150* | 70* | 100* | 50* | 95* | 25* |
| | Rm steel 600-100 N/mm ² | 95* | 120* | 50* | 95* | 30* | 70* | 18* |
| | Rm steel 1000-1200 N/mm ² | 65* | 80* | 40* | 65* | 25* | 55* | 15* |
| M | Stainless Steel | 60* | 70* | 35* | 60* | 20* | 50* | 15* |
| K | Cast iron HB < 180 | 90* | 100* | 65* | 90* | 30* | 80* | 15* |
| | Cast iron HB > 180 | 60* | 70* | 40* | 60* | 20* | 55* | 12* |
| N | Brass/Bronze | 165* | 260* | 80* | 160* | 40* | 100* | 25* |
| | Copper | 220* | 350* | 100* | 220* | 80* | 200* | 25* |
| | Aluminium | 300* | 650* | 200* | 400* | 150* | 300* | 35* |

* Values for brazed tools, for mechanically clamped tools the value can be increased by 15%

RECOMMENDED FEED VALUES (mm/rev) FOR TURNING

| MATERIALS TO BE PROCESSED | | External turning | | Internal turning | | Shape tool | Truncation |
|---------------------------|--------------------------------------|------------------|--------------|------------------|--------------|--------------|--------------|
| | | Roughing | Finish | Roughing | Finish | | |
| P | Rm Steel < 600 N/mm ² | 0.1 – 0.4* | 0.05 – 0.2* | 0.05 – 0.3* | 0.05 – 0.2* | 0.02 – 0.05* | 0.05 – 0.1* |
| | Rm steel 600-100 N/mm ² | 0.1 – 0.4* | 0.05 – 0.15* | 0.05 – 0.3* | 0.05 – 0.1* | 0.02 – 0.05* | 0.05 – 0.1* |
| | Rm steel 1000-1200 N/mm ² | 0.1 – 0.4* | 0.05 – 0.15* | 0.05 – 0.3* | 0.05 – 0.1* | 0.02 – 0.05* | 0.05* |
| M | Stainless Steel | 0.1 – 0.4* | 0.05 – 0.15* | 0.05 – 0.3* | 0.05 – 0.1* | 0.02 – 0.05* | 0.02 – 0.05* |
| K | Cast iron HB < 180 | 0.1 – 0.6* | 0.05 – 0.2* | 0.05 – 0.6* | 0.05 – 0.2* | 0.02 – 0.05* | 0.05 – 0.1* |
| | Cast iron HB > 180 | 0.1 – 0.8* | 0.05 – 0.25* | 0.05 – 0.5* | 0.05 – 0.2* | 0.02 – 0.05* | 0.02 – 0.05* |
| N | Brass/Bronze | 0.1 – 0.8* | 0.05 – 0.25* | 0.05 – 0.6* | 0.05 – 0.2* | 0.02 – 0.1* | 0.05 – 0.2* |
| | Copper | 0.1 – 0.6* | 0.05 – 0.25* | 0.05 – 0.5* | 0.05 – 0.25* | 0.02 – 0.05* | 0.05 – 0.1* |
| | Aluminium | 0.1 – 0.8* | 0.05 – 0.25* | 0.05 – 0.4* | 0.05 – 0.2* | 0.02 – 0.2* | 0.05 – 0.3* |

* Values for brazed tools, for mechanically clamped tools the value can be increased by 15%

THICKNESS OF SURFACE TREATMENT IN THE TURNING (mm)

| Thickness of surface treatment | | Ø particular | | | | | |
|--------------------------------|---|--------------|---------|---------|----------|-----------|-----------|
| Roughing | 0.5 - 10 | Up to 25 | 25 - 70 | 50 - 75 | 75 - 100 | 100 - 150 | 150 - 300 |
| Finish | 0.2 - 20 | | | | | | |
| Truncation | Equal to the thickness of the cutter insert | | | | | | |

MAIN TURNING FORMULAS

- $V_c = (n \times \pi \times D) \div 1000$
- $n = (V_t \times 1000) \div (\pi \times D)$
- $V_f = n \times F_z$

Key

V_c : Cutting speed in metres per minute. It is the peripheral speed with which the cutting edge removes material. (m/min)

n : Spindle rotation speed in revolutions per minute (rpm)

D : Workpiece diameter in millimetres (mm)

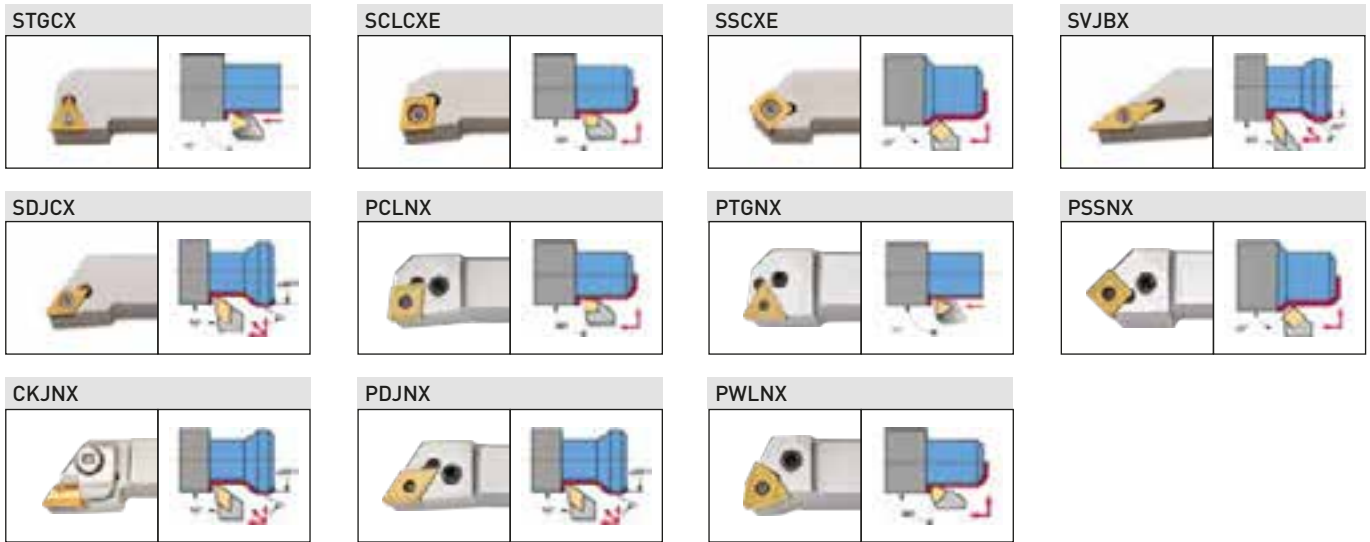
F_z : Tool feed (per tooth) per revolution in millimetres (mm/revolution)

V_f : Tool feed speed in millimetres per minute (mm/min)

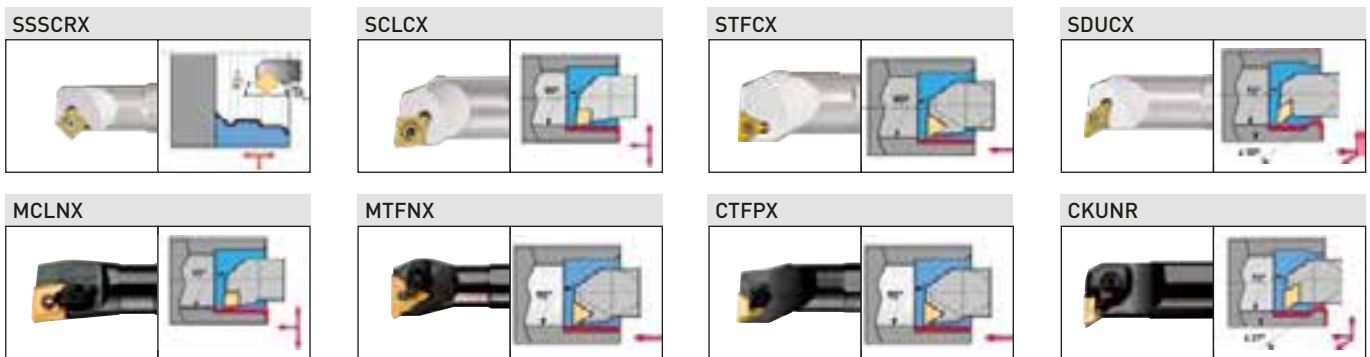
π : its value is 3.14



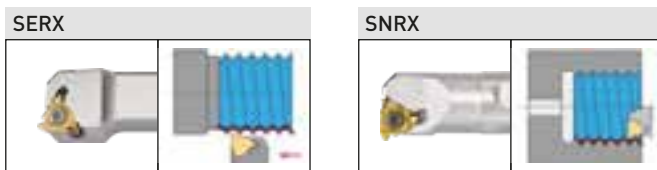
TYOLOGY OF TOOLS FOR EXTERNAL TURNING



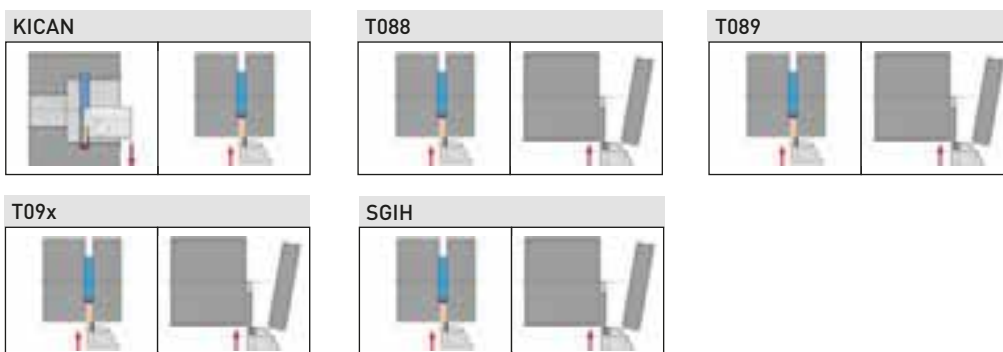
TYOLOGY OF TOOLS FOR INTERNAL TURNING



TYOLOGY OF THREADING TOOLS



TYOLOGY OF TOOLS FOR GROOVING AND PARTING OFF

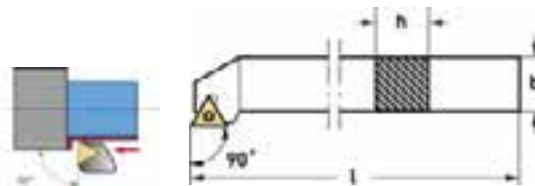



B007-
NEW
INDEXABLE CARBIDE TOOL HOLDER SET

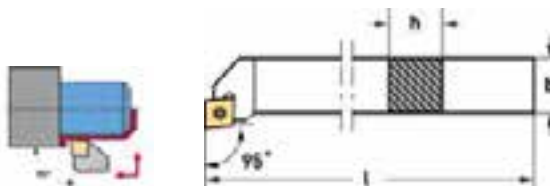
Insert included, useful for having a set that allows you to perform most turning operations with small lathes.



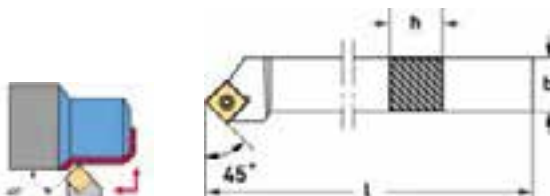
| Art. | Ext. shank / Insert | Int. shank / Insert | Length | Screw |
|---------|-----------------------|-----------------------|---------------------------|-------------------------|
| B007/10 | 10 mm / TCMT110204... | 8 mm / TCMT090204... | Ext: 63 mm / Int: 100 mm | KV250 |
| B007/12 | 12 mm / TCMT110204... | 10 mm / TCMT110204... | Ext: 88 mm / Int: 125 mm | KV250 |
| B007/16 | 16 mm / TCMT16T304... | 12 mm / TCMT110204... | Ext: 100 mm / Int: 150 mm | Ext: KV400 / Int: KV250 |
| B007/20 | 20 mm / TCMT16T304... | 16 mm / TCMT110204... | Ext: 115 mm / Int: 200 mm | Ext: KV400 / Int: KV250 |
| B007/25 | 25 mm / TCMT16T304... | 20 mm / TCMT110204... | Ext: 150 mm / Int: 250 mm | Ext: KV400 / Int: KV250 |
| B007/32 | 32 mm / TCMT16T304... | 25 mm / TCMT16T304... | Ext: 170 mm / Int: 250 mm | KV400 |

KITSTGXC
NEW
EXTERNAL TOOL HOLDER WITH INSERTS


| Art. | Ext. tool holder | Bits | b | h | l |
|------------|------------------|----------------------|-------|-------|--------|
| KITSTGCR16 | STGCR16/11 | TCMT110204N x 10 Pcs | 16 mm | 16 mm | 100 mm |
| KITSTGCR20 | STGCR20 | TCMT16T304N x 10 Pcs | 20 mm | 20 mm | 125 mm |
| KITSTGCR25 | STGCR25 | TCMT16T304N x 10 Pcs | 25 mm | 25 mm | 150 mm |

KITSCLCXE
NEW
EXTERNAL TOOL HOLDER WITH INSERTS


| Art. | Ext. tool holder | Bits | b | h | l |
|-------------|------------------|----------------------|-------|-------|--------|
| KITSCLCR12E | SCLCR12E | CCMT09T304N x 10 Pcs | 12 mm | 12 mm | 80 mm |
| KITSCLCR16E | SCLCR16E | CCMT09T304N x 10 Pcs | 16 mm | 16 mm | 100 mm |
| KITSCLCR20E | SCLCR20E | CCMT120408N x 10 Pcs | 20 mm | 20 mm | 125 mm |
| KITSCLCR25E | SCLCR25E | CCMT120408N x 10 Pcs | 25 mm | 25 mm | 150 mm |

KITSSSCXE
NEW
EXTERNAL TOOL HOLDER WITH INSERTS


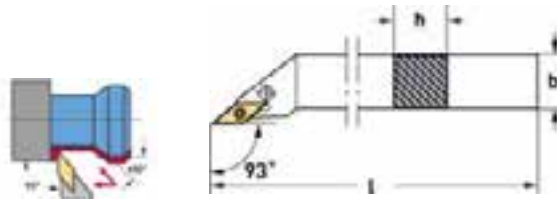
| Art. | Ext. tool holder | Bits | b | h | l |
|-------------|-------------------|-------------|-------|-------|--------|
| KITSSSCR20E | SSSCR20E x 10 Pcs | SCMT120408N | 20 mm | 20 mm | 125 mm |
| KITSSSCR25E | SSSCR25E x 10 Pcs | SCMT120408N | 25 mm | 25 mm | 150 mm |



KITSVJBX

NEW

EXTERNAL TOOL HOLDER WITH INSERTS

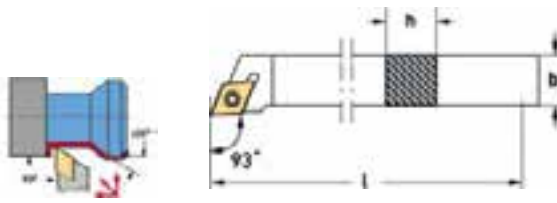


| Art. | Ext. tool holder | Bits | b | h | l |
|------------|------------------|----------------------|-------|-------|--------|
| KITSVJBR20 | SVJBR20 | VBMT160404N x 10 Pcs | 20 mm | 20 mm | 125 mm |
| KITSVJBR25 | SVJBR25 | VBMT160404N x 10 Pcs | 25 mm | 25 mm | 150 mm |

KITSDJCX

NEW

EXTERNAL TOOL HOLDER WITH INSERTS

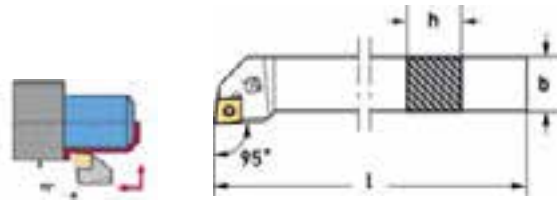


| Art. | Ext. tool holder | Bits | b | h | l |
|------------|------------------|----------------------|-------|-------|--------|
| KITSDJCR10 | SDJCR10 | DCMT070204N x 10 Pcs | 10 mm | 10 mm | 70 mm |
| KITSDJCR12 | SDJCR12 | DCMT070204N x 10 Pcs | 12 mm | 12 mm | 80 mm |
| KITSDJCR16 | SDJCR16 | DCMT070204N x 10 Pcs | 16 mm | 16 mm | 100 mm |
| KITSDJCR20 | SDJCR20 | DCMT11T304N x 10 Pcs | 20 mm | 20 mm | 125 mm |
| KITSDJCR25 | SDJCR25 | DCMT11T304N x 10 Pcs | 25 mm | 25 mm | 150 mm |

KITPCLNX

NEW

EXTERNAL TOOL HOLDER WITH INSERTS

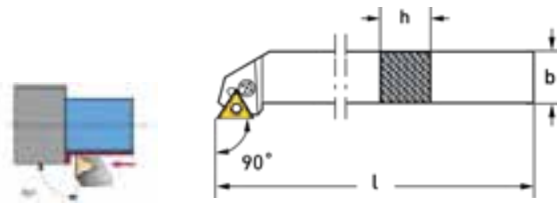


| Art. | Ext. tool holder | Bits | b | h | l |
|------------|------------------|----------------------|-------|-------|--------|
| KITPCLNR16 | PCLNR16 | CNMG120404N x 10 Pcs | 16 mm | 16 mm | 100 mm |
| KITPCLNR20 | PCLNR20 | CNMG120404N x 10 Pcs | 20 mm | 20 mm | 125 mm |
| KITPCLNR25 | PCLNR25 | CNMG120404N x 10 Pcs | 25 mm | 25 mm | 150 mm |

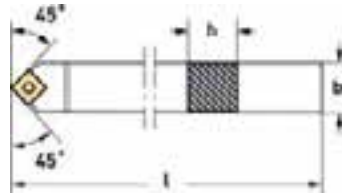
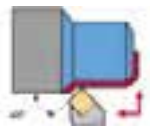
KITPTGNX

NEW

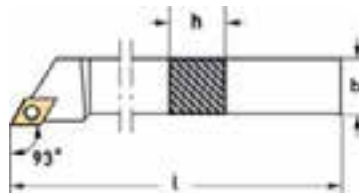
EXTERNAL TOOL HOLDER WITH INSERTS



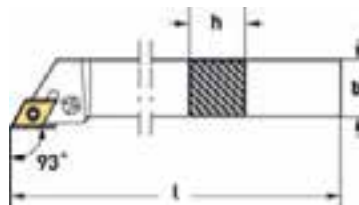
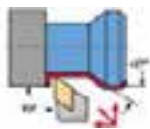
| Art. | Ext. tool holder | Bits | b | h | l |
|------------|------------------|----------------------|-------|-------|--------|
| KITPTGNR16 | PTGNR16 | TNMG160404N x 10 Pcs | 16 mm | 16 mm | 100 mm |
| KITPTGNR20 | PTGNR20 | TNMG160404N x 10 Pcs | 20 mm | 20 mm | 125 mm |
| KITPTGNR25 | PTGNR25 | TNMG160404N x 10 Pcs | 25 mm | 25 mm | 150 mm |


KITPSSNX
NEW
EXTERNAL TOOL HOLDER WITH INSERTS


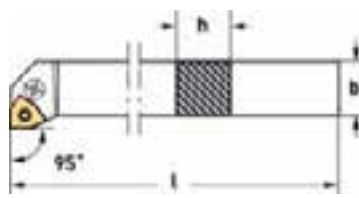
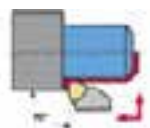
| Art. | Ext. tool holder | Bits | b | h | l |
|------------|------------------|------------------------|-------|-------|--------|
| KITPSSNR16 | PSSNR16 | SNMG120404F15 x 10 Pcs | 16 mm | 16 mm | 100 mm |
| KITPSSNR20 | PSSNR20 | SNMG120404F15 x 10 Pcs | 20 mm | 20 mm | 125 mm |
| KITPSSNR25 | PSSNR25 | SNMG120404F15 x 10 Pcs | 25 mm | 25 mm | 150 mm |

KITCKJ
NEW
EXTERNAL TOOL HOLDER WITH INSERTS


| Art. | Ext. tool holder | Bits | b | h | l |
|-----------------|------------------|-----------------------|-------|-------|--------|
| KITCKJ16 | CKJNR16 | KNUX160405RN x 10 Pcs | 20 mm | 16 mm | 100 mm |
| KITCKJ20 | CKJNR20 | KNUX160405RN x 10 Pcs | 20 mm | 20 mm | 125 mm |
| KITCKJ25 | CKJNR25 | KNUX160405RN x 10 Pcs | 25 mm | 25 mm | 150 mm |

KITPDJNX
NEW
EXTERNAL TOOL HOLDER WITH INSERTS


| Art. | Ext. tool holder | Bits | b | h | l |
|------------|------------------|----------------------|-------|-------|--------|
| KITPDJNR20 | PDJNR20 | DNMG150608N x 10 Pcs | 20 mm | 20 mm | 125 mm |
| KITPDJNR25 | PDJNR25 | DNMG150608N x 10 Pcs | 25 mm | 25 mm | 150 mm |

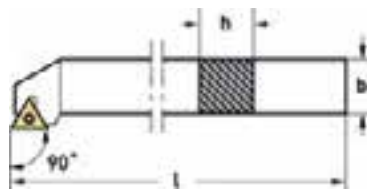
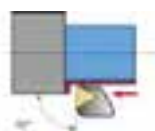
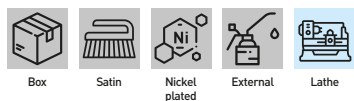
KITPWLNX
NEW
EXTERNAL TOOL HOLDER WITH INSERTS


| Art. | Ext. tool holder | Bits | b | h | l |
|------------|------------------|----------------------|-------|-------|--------|
| KITPWLNR20 | PWLNR20 | WNMG080408N x 10 Pcs | 20 mm | 20 mm | 125 mm |
| KITPWLNR25 | PWLNR25 | WNMG080408N x 10 Pcs | 25 mm | 25 mm | 150 mm |



STGCX

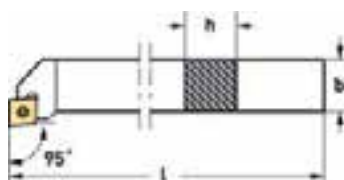
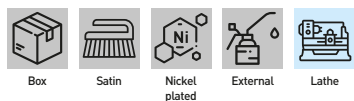
90° EXTERNAL TOOL HOLDER



| Art. | Side | b | h | l | Screw | Bushing | Base | Insert (not included) |
|------------|------|-------|-------|--------|-------|---------|--------|-----------------------|
| STGCR16/11 | Dx/R | 16 mm | 16 mm | 100 mm | KV250 | ----- | ----- | TCMT1102... |
| STGCL16/11 | Sx/L | 16 mm | 16 mm | 100 mm | KV250 | ----- | ----- | TCMT1102... |
| STGCR20 | Dx/R | 20 mm | 20 mm | 125 mm | KV350 | BU3550 | BSTG16 | TCMT16T3... |
| STGCL20 | Sx/L | 20 mm | 20 mm | 125 mm | KV350 | BU3550 | BSTG16 | TCMT16T3... |
| STGCR25 | Dx/R | 25 mm | 25 mm | 150 mm | KV350 | BU3550 | BSTG16 | TCMT16T3... |
| STGCL25 | Sx/L | 25 mm | 25 mm | 150 mm | KV350 | BU3550 | BSTG16 | TCMT16T3... |

SCLCXE

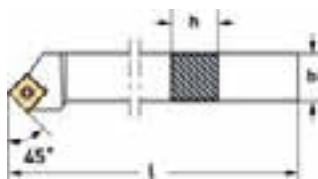
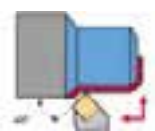
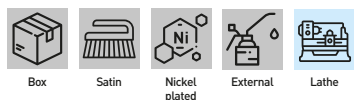
95° EXTERNAL TOOL HOLDER



| Art. | Side | b | h | l | Screw | Bushing | Base | Insert (not included) |
|----------|------|-------|-------|--------|-------|---------|--------|-----------------------|
| SCLCR12E | Dx/R | 12 mm | 12 mm | 80 mm | KV350 | ----- | ----- | CCMT09T3... |
| SCLCL12E | Sx/L | 12 mm | 12 mm | 80 mm | KV350 | ----- | ----- | CCMT09T3... |
| SCLCR16E | Dx/R | 16 mm | 16 mm | 100 mm | KV350 | BU3550 | BSCL09 | CCMT09T3... |
| SCLCL16E | Sx/L | 16 mm | 16 mm | 100 mm | KV350 | BU3550 | BSCL09 | CCMT09T3... |
| SCLCR20E | Dx/R | 20 mm | 20 mm | 125 mm | KV401 | BU4560 | BSCL12 | CCMT1204... |
| SCLCL20E | Sx/L | 20 mm | 20 mm | 125 mm | KV401 | BU4560 | BSCL12 | CCMT1204... |
| SCLCR25E | Dx/R | 25 mm | 25 mm | 150 mm | KV401 | BU4560 | BSCL12 | CCMT1204... |
| SCLCL25E | Sx/L | 25 mm | 25 mm | 150 mm | KV401 | BU4560 | BSCL12 | CCMT1204... |

SSSCXE

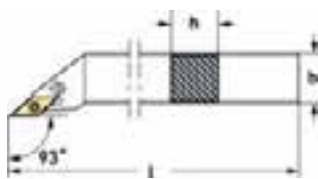
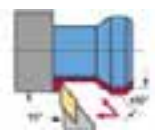
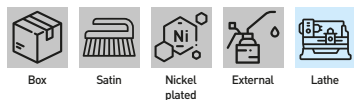
45° EXTERNAL TOOL HOLDER



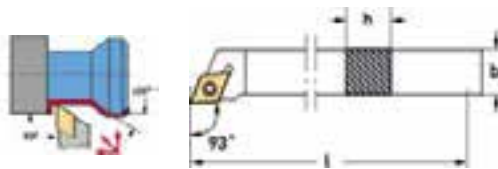
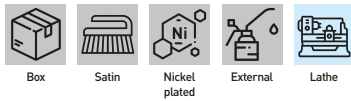
| Art. | Side | b | h | l | Screw | Bushing | Base | Insert (not included) |
|----------|------|-------|-------|--------|-------|---------|--------|-----------------------|
| SSSCR20E | Dx/R | 20 mm | 20 mm | 125 mm | KV400 | BU4560 | BSSS12 | SCMT1204... |
| SSSCL20E | Sx/L | 20 mm | 20 mm | 125 mm | KV400 | BU4560 | BSSS12 | SCMT1204... |
| SSSCR25E | Dx/R | 25 mm | 25 mm | 150 mm | KV450 | BU4560 | BSSS12 | SCMT1204... |
| SSSCL25E | Sx/L | 25 mm | 25 mm | 150 mm | KV450 | BU4560 | BSSS12 | SCMT1204... |

SVJBX

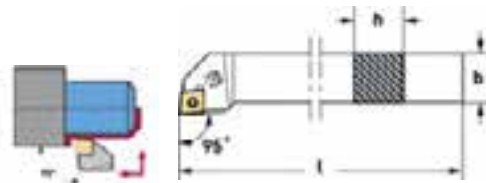
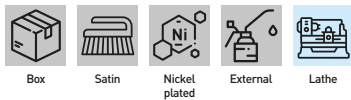
93° EXTERNAL TOOL HOLDER



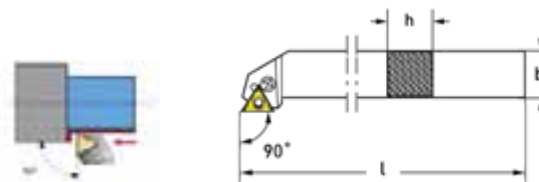
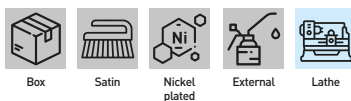
| Art. | Side | b | h | l | Screw | Bushing | Base | Insert (not included) |
|---------|------|-------|-------|--------|-------|---------|--------|-----------------------|
| SVJBR20 | Dx/R | 20 mm | 20 mm | 125 mm | KV350 | BU3550 | BSVJ16 | VBMT1604... |
| SVJBL20 | Sx/L | 20 mm | 20 mm | 125 mm | KV350 | BU3550 | BSVJ16 | VBMT1604... |
| SVJBR25 | Dx/R | 25 mm | 25 mm | 150 mm | KV350 | BU3550 | BSVJ16 | VBMT1604... |
| SVJBL25 | Sx/L | 25 mm | 25 mm | 150 mm | KV350 | BU3550 | BSVJ16 | VBMT1604... |


SDJCX
93° EXTERNAL TOOL HOLDER


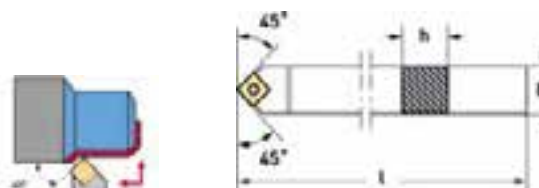
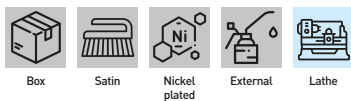
| Art. | Side | b | h | l | Screw | Bushing | Base | Insert (not included) |
|---------|------|-------|-------|--------|-------|---------|--------|-----------------------|
| SDJCR10 | Dx/R | 10 mm | 10 mm | 70 mm | KV250 | ----- | ----- | DCMT0702... |
| SDJCR12 | Dx/R | 12 mm | 12 mm | 80 mm | KV250 | ----- | ----- | DCMT0702... |
| SDJCR16 | Dx/R | 16 mm | 16 mm | 100 mm | KV250 | ----- | ----- | DCMT0702... |
| SDJCR20 | Dx/R | 20 mm | 20 mm | 125 mm | KV350 | BU3550 | BSDJ11 | DCMT11T3... |
| SDJCL20 | Sx/L | 20 mm | 20 mm | 125 mm | KV350 | BU3550 | BSDJ11 | DCMT11T3... |
| SDJCR25 | Dx/R | 25 mm | 25 mm | 150 mm | KV350 | BU3550 | BSDJ11 | DCMT11T3... |
| SDJCL25 | Sx/L | 25 mm | 25 mm | 150 mm | KV350 | BU3550 | BSDJ11 | DCMT11T3... |

PCLNX
95° EXTERNAL TOOL HOLDER


| Art. | Side | b | h | l | Spare parts | Insert (not included) |
|---------|------|-------|-------|--------|-------------|-----------------------|
| PCLNR16 | Dx/R | 16 mm | 16 mm | 100 mm | RICAPCLN | CNMG1204... |
| PCLNR20 | Dx/R | 20 mm | 20 mm | 125 mm | RICAPCLN | CNMG1204... |
| PCLNL20 | Sx/L | 20 mm | 20 mm | 125 mm | RICAPCLN | CNMG1204... |
| PCLNR25 | Dx/R | 25 mm | 25 mm | 150 mm | RICAPCLN | CNMG1204... |
| PCLNL25 | Sx/L | 25 mm | 25 mm | 150 mm | RICAPCLN | CNMG1204... |

PTGNX
90° EXTERNAL TOOL HOLDER


| Art. | Side | b | h | l | Spare parts | Insert (not included) |
|---------|------|-------|-------|--------|-------------|-----------------------|
| PTGNR16 | Dx/R | 16 mm | 16 mm | 100 mm | RICAPTGN | TNMG1604... |
| PTGNR20 | Dx/R | 20 mm | 20 mm | 125 mm | RICAPTGN | TNMG1604... |
| PTGNL20 | Sx/L | 20 mm | 20 mm | 125 mm | RICAPTGN | TNMG1604... |
| PTGNR25 | Dx/R | 25 mm | 25 mm | 150 mm | RICAPTGN | TNMG1604... |
| PTGNL25 | Sx/L | 25 mm | 25 mm | 150 mm | RICAPTGN | TNMG1604... |

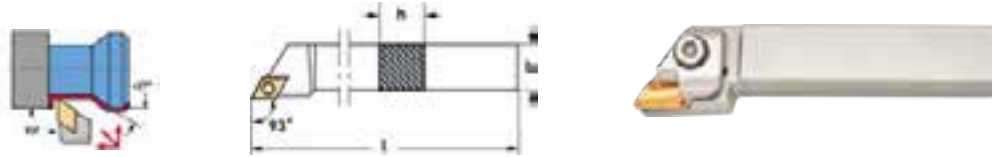
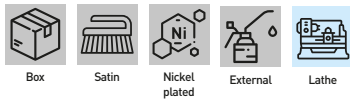
PSSNX
45° EXTERNAL TOOL HOLDER


| Art. | Side | b | h | l | Spare parts | Insert (not included) |
|---------|------|-------|-------|--------|-------------|-----------------------|
| PSSNR16 | Dx/R | 16 mm | 16 mm | 100 mm | RICAPSSN | SNMG1204... |
| PSSNR20 | Dx/R | 20 mm | 20 mm | 125 mm | RICAPSSN | SNMG1204... |
| PSSNL20 | Sx/L | 20 mm | 20 mm | 125 mm | RICAPSSN | SNMG1204... |
| PSSNR25 | Dx/R | 25 mm | 25 mm | 150 mm | RICAPSSN | SNMG1204... |
| PSSNL25 | Sx/L | 25 mm | 25 mm | 150 mm | RICAPSSN | SNMG1204... |



CKJNX

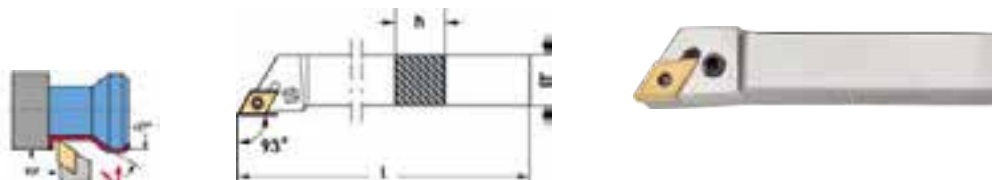
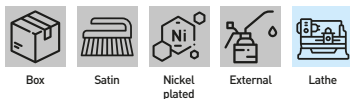
93° EXTERNAL TOOL HOLDER



| Art. | Side | b | h | l | Bracket | Screw | Base | Insert (not included) |
|---------|------|-------|-------|--------|-----------|----------|-----------|-----------------------|
| CKJNL20 | Sx/L | 20 mm | 20 mm | 125 mm | STAFCKJNL | VITECKJN | BASECKJNL | KNUX160405L... |
| CKJNL25 | Sx/L | 25 mm | 25 mm | 150 mm | STAFCKJNL | VITECKJN | BASECKJNL | KNUX160405L... |
| CKJNR16 | Dx/R | 20 mm | 16 mm | 100 mm | STAFCKJNR | VITECKJN | BASECKJNR | KNUX160405R... |
| CKJNR20 | Dx/R | 20 mm | 20 mm | 125 mm | STAFCKJNR | VITECKJN | BASECKJNR | KNUX160405R... |
| CKJNR25 | Dx/R | 25 mm | 25 mm | 150 mm | STAFCKJNR | VITECKJN | BASECKJNR | KNUX160405R... |

PDJNX

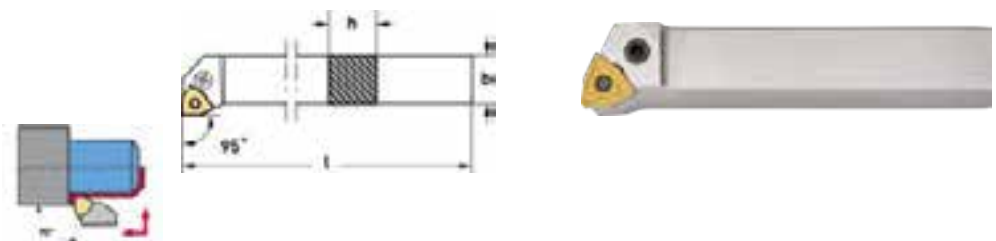
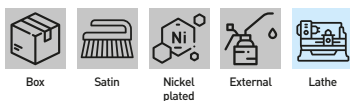
93° EXTERNAL TOOL HOLDER



| Art. | Side | b | l | h | Spare parts | Insert (not included) |
|---------|------|-------|-------|--------|-------------|-----------------------|
| PDJNR20 | Dx/R | 20 mm | 20 mm | 125 mm | PDJNRKIT | DNMG1506... |
| PDJNR25 | Dx/R | 25 mm | 25 mm | 150 mm | PDJNRKIT | DNMG1506... |
| PDJNL25 | Sx/L | 25 mm | 25 mm | 150 mm | PDJNRKIT | DNMG1506... |

PWLNx

95° EXTERNAL TOOL HOLDER



| Art. | Side | b | h | l | Spare parts | Insert (not included) |
|---------|------|-------|-------|--------|-------------|-----------------------|
| PWLNr20 | Dx/R | 20 mm | 20 mm | 125 mm | PWLNrKIT | WNMG0804... |
| PWLNr25 | Dx/R | 25 mm | 25 mm | 150 mm | PWLNrKIT | WNMG0804... |
| PWLNl25 | Sx/L | 25 mm | 25 mm | 150 mm | PWLNrKIT | WNMG0804... |

G007-

KNURLING TOOL WITH 3 PAIRS OF KNURLING WHEELS, WITH DIAMOND PATTERN

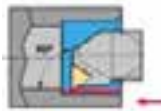
Diamond-shaped 45° for the execution of knurling for deformation in turning. Equipped with 2 spare wheels 0.8 mm pitch.



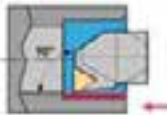
| Art. | Spindle | Pitch |
|---------|---------|--------------------|
| G007/16 | 16 mm | 0,8 - 1,2 - 1,8 mm |
| G007/20 | 20 mm | 0,8 - 1,2 - 1,8 mm |

KISCLCR
SOLID BORING BAR SET 95°

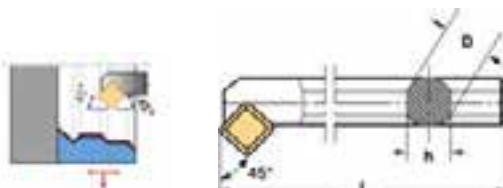
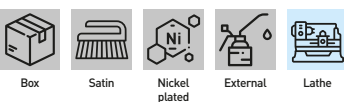

| | |
|------------------|------------------------------------|
| Int. tool holder | SCLCR08; SCLCR10; SCLCR12; SCLCR16 |
| Bits | CCMT060204N x 10 Pcs |
| Torx key | T7 x 2 Pcs |
| Screw | T7 x 2,5 mm x 4 Pcs |

KISTCMT
SOLID BORING BAR SET 90°


| | |
|------------------|---|
| Int. tool holder | STFCR08; STFCR10; STFCR12; STFCR16; STFCR20 |
| Bits | TCMT110204N x 10 Pcs |
| Torx key | T8 x 2 Pcs |
| Screw | T8 x 2,5 mm x 2 Pcs |

KISTFCR
SOLID BORING BAR SET 90°


| | |
|-----------------------|---|
| Int. tool holder | STFCR08, STFCR10, STFCR12, STFCR16, STFCR20 |
| Insert (not included) | TCMT110204... |
| Torx key | T8 x 2 Pcs |
| Screw | T8 x 2,5 mm x 5 Pcs |

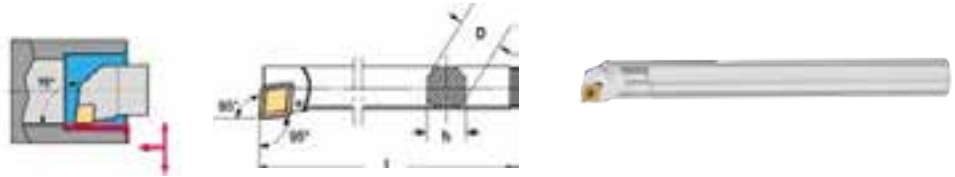
SSSCRX
45° INTERNAL TOOL HOLDER


| Art. | D | h | l | Screw | Insert (not included) |
|---------|-------|---------|--------|-------|-----------------------|
| SSSCR16 | 16 mm | 15 mm | 200 mm | KV400 | SCMT09T3... |
| SSSCR20 | 20 mm | 18 mm | 250 mm | KV400 | SCMT09T3... |
| SSSCR25 | 25 mm | 22.5 mm | 300 mm | KV400 | SCMT09T3... |



SCLCX

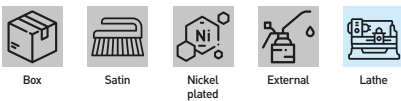
95° SOLID BORING BAR



| Art. | Side | D | h | l | Screw | Insert (not included) |
|---------|------|-------|---------|--------|-------|-----------------------|
| SCLCR08 | Dx/R | 8 mm | 7 mm | 125 mm | KV250 | CCMT0602... |
| SCLCL08 | Sx/L | 8 mm | 7 mm | 125 mm | KV250 | CCMT0602... |
| SCLCR10 | Dx/R | 10 mm | 9 mm | 140 mm | KV250 | CCMT0602... |
| SCLCL10 | Sx/L | 10 mm | 9 mm | 140 mm | KV250 | CCMT0602... |
| SCLCR12 | Dx/R | 12 mm | 11 mm | 160 mm | KV250 | CCMT0602... |
| SCLCL12 | Sx/L | 12 mm | 11 mm | 160 mm | KV250 | CCMT0602... |
| SCLCR16 | Dx/R | 16 mm | 14,5 mm | 180 mm | KV400 | CCMT09T3... |
| SCLCL16 | Sx/L | 16 mm | 14,5 mm | 180 mm | KV400 | CCMT09T3... |
| SCLCR20 | Dx/R | 20 mm | 18 mm | 200 mm | KV400 | CCMT09T3... |
| SCLCL20 | Sx/L | 20 mm | 18 mm | 200 mm | KV400 | CCMT09T3... |
| SCLCR25 | Dx/R | 25 mm | 22,5 mm | 250 mm | KV400 | CCMT09T3... |
| SCLCL25 | Sx/L | 25 mm | 22,5 mm | 250 mm | KV400 | CCMT09T3... |
| SCLCR32 | Dx/R | 32 mm | 29 mm | 300 mm | KV400 | CCMT09T3... |
| SCLCL32 | Sx/L | 32 mm | 29 mm | 300 mm | KV400 | CCMT09T3... |

STFCX

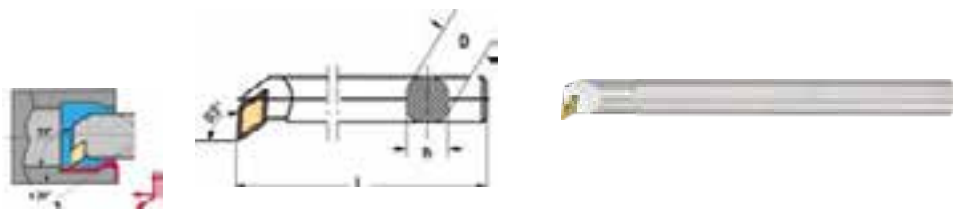
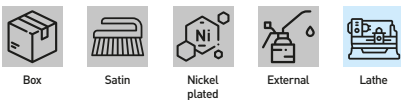
90° SOLID BORING BAR



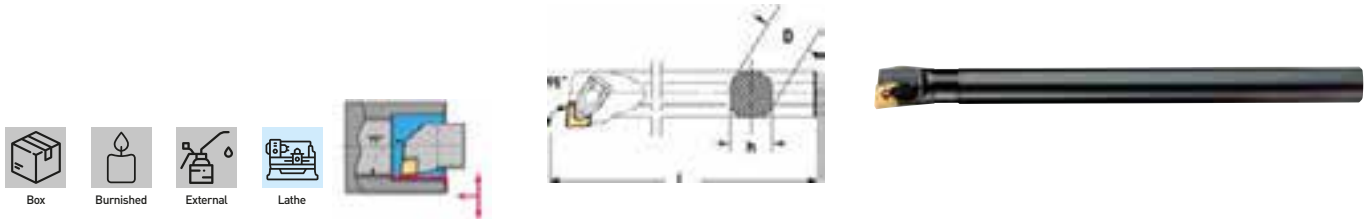
| Art. | Side | D | h | l | Screw | Insert (not included) |
|---------|------|-------|---------|--------|-------|-----------------------|
| STFCR08 | Dx/R | 8 mm | 7 mm | 125 mm | KV250 | TCMT1102... |
| STFCL08 | Sx/L | 8 mm | 7 mm | 125 mm | KV250 | TCMT1102... |
| STFCR10 | Dx/R | 10 mm | 9 mm | 150 mm | KV250 | TCMT1102... |
| STFCL10 | Sx/L | 10 mm | 9 mm | 150 mm | KV250 | TCMT1102... |
| STFCR12 | Dx/R | 12 mm | 11 mm | 150 mm | KV250 | TCMT1102... |
| STFCL12 | Sx/L | 12 mm | 11 mm | 150 mm | KV250 | TCMT1102... |
| STFCR16 | Dx/R | 16 mm | 14,5 mm | 200 mm | KV250 | TCMT1102... |
| STFCL16 | Sx/L | 16 mm | 14,5 mm | 200 mm | KV250 | TCMT1102... |
| STFCR20 | Dx/R | 20 mm | 18,5 mm | 250 mm | KV250 | TCMT1102... |
| STFCL20 | Sx/L | 20 mm | 18,5 mm | 250 mm | KV250 | TCMT1102... |
| STFCR25 | Dx/R | 25 mm | 22,5 mm | 250 mm | KV350 | TCMT16T3... |
| STFCL25 | Sx/L | 25 mm | 22,5 mm | 250 mm | KV350 | TCMT16T3... |
| STFCR32 | Dx/R | 32 mm | 29 mm | 300 mm | KV350 | TCMT16T3... |
| STFCL32 | Sx/L | 32 mm | 29 mm | 300 mm | KV350 | TCMT16T3... |

SDUCX

93° SOLID BORING BAR



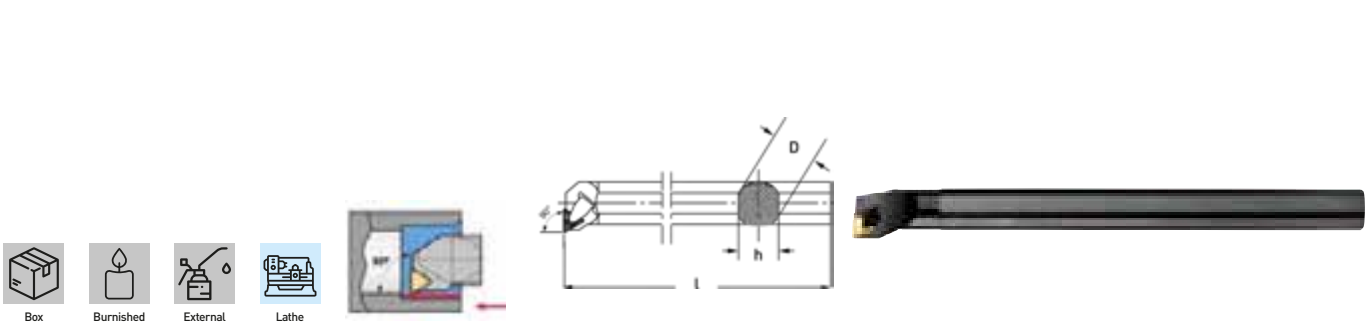
| Art. | Side | D | h | l | Screw | Insert (not included) |
|---------|------|-------|-------|--------|-------|-----------------------|
| SDUCR10 | Dx/R | 10 mm | 9 mm | 140 mm | KV250 | DCMT0702... |
| SDUCL10 | Sx/L | 10 mm | 9 mm | 140 mm | KV250 | DCMT0702... |
| SDUCR12 | Dx/R | 12 mm | 11 mm | 160 mm | KV250 | DCMT0702... |
| SDUCL12 | Sx/L | 12 mm | 11 mm | 160 mm | KV250 | DCMT0702... |
| SDUCR16 | Dx/R | 16 mm | 15 mm | 180 mm | KV250 | DCMT0702... |
| SDUCL16 | Sx/L | 16 mm | 15 mm | 180 mm | KV250 | DCMT0702... |
| SDUCR20 | Dx/R | 20 mm | 18 mm | 200 mm | KV350 | DCMT11T3... |
| SDUCL20 | Sx/L | 20 mm | 18 mm | 200 mm | KV350 | DCMT11T3... |
| SDUCR25 | Dx/R | 25 mm | 23 mm | 250 mm | KV350 | DCMT11T3... |
| SDUCL25 | Sx/L | 25 mm | 23 mm | 250 mm | KV350 | DCMT11T3... |
| SDUCR32 | Dx/R | 32 mm | 30 mm | 300 mm | KV350 | DCMT11T3... |
| SDUCL32 | Sx/L | 32 mm | 30 mm | 300 mm | KV350 | DCMT11T3... |


MCLNX
95° SOLID BORING BAR


| Art. | Side | D | h | l | Bracket | Base | Insert (not included) |
|---------|------|-------|-------|--------|-------------|---------------|-----------------------|
| MCLNR16 | Dx/R | 16 mm | 15 mm | 210 mm | CTMTMC16/20 | ----- | CNMG1204... |
| MCLNL16 | Sx/L | 16 mm | 15 mm | 210 mm | CTMTMC16/20 | ----- | CNMG1204... |
| MCLNR20 | Dx/R | 20 mm | 18 mm | 255 mm | CTMTMC16/20 | ----- | CNMG1204... |
| MCLNL20 | Sx/L | 20 mm | 18 mm | 255 mm | CTMTMC16/20 | ----- | CNMG1204... |
| MCLNR25 | Dx/R | 25 mm | 23 mm | 300 mm | CTMTMC25/32 | MCLNBASE25/32 | CNMG1204... |
| MCLNL25 | Sx/L | 25 mm | 23 mm | 300 mm | CTMTMC25/32 | MCLNBASE25/32 | CNMG1204... |
| MCLNR32 | Dx/R | 32 mm | 30 mm | 355 mm | CTMTMC25/32 | MCLNBASE25/32 | CNMG1204... |
| MCLNL32 | Sx/L | 32 mm | 30 mm | 355 mm | CTMTMC25/32 | MCLNBASE25/32 | CNMG1204... |

MTFNX
90° SOLID BORING BAR


| Art. | Side | D | h | l | Bracket | Base | Insert (not included) |
|---------|------|-------|-------|--------|-------------|---------------|-----------------------|
| MTFNR16 | Dx/R | 16 mm | 15 mm | 210 mm | CTMTMC16/20 | ----- | TNMG1604... |
| MTFNL16 | Sx/L | 16 mm | 15 mm | 210 mm | CTMTMC16/20 | ----- | TNMG1604... |
| MTFNR20 | Dx/R | 20 mm | 18 mm | 255 mm | CTMTMC16/20 | ----- | TNMG1604... |
| MTFNL20 | Sx/L | 20 mm | 18 mm | 255 mm | CTMTMC16/20 | ----- | TNMG1604... |
| MTFNR25 | Dx/R | 25 mm | 23 mm | 300 mm | CTMTMC25/32 | MTFNBASE25/32 | TNMG1604... |
| MTFNL25 | Sx/L | 25 mm | 23 mm | 300 mm | CTMTMC25/32 | MTFNBASE25/32 | TNMG1604... |
| MTFNR32 | Dx/R | 32 mm | 30 mm | 355 mm | CTMTMC25/32 | MTFNBASE25/32 | TNMG1604... |
| MTFNL32 | Sx/L | 32 mm | 30 mm | 355 mm | CTMTMC25/32 | MTFNBASE25/32 | TNMG1604... |

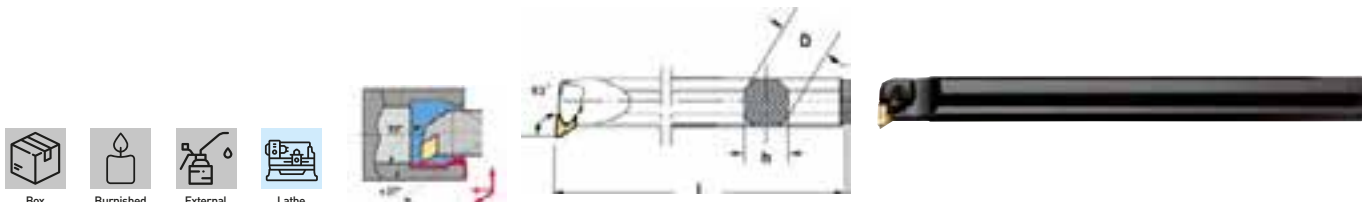
CTFPX
90° SOLID BORING BAR


| Art. | Side | D | h | l | Bracket | Base | Insert (not included) |
|---------|------|-------|-------|--------|-------------|---------------|-----------------------|
| CTFPR12 | Dx/R | 12 mm | 11 mm | 150 mm | CTFP10/12 | ----- | TPMR1103... |
| CTFPL12 | Sx/L | 12 mm | 11 mm | 150 mm | CTFP10/12 | ----- | TPMR1103... |
| CTFPR16 | Dx/R | 16 mm | 15 mm | 210 mm | CTMTMC16/20 | ----- | TPMR1103... |
| CTFPL16 | Sx/L | 16 mm | 15 mm | 210 mm | CTMTMC16/20 | ----- | TPMR1103... |
| CTFPR20 | Dx/R | 20 mm | 18 mm | 255 mm | CTMTMC16/20 | ----- | TPMR1603... |
| CTFPL20 | Sx/L | 20 mm | 18 mm | 255 mm | CTMTMC16/20 | ----- | TPMR1603... |
| CTFPR25 | Dx/R | 25 mm | 23 mm | 300 mm | CTMTMC25/32 | CTFPBASE25/32 | TPMR1603... |
| CTFPL25 | Sx/L | 25 mm | 23 mm | 300 mm | CTMTMC25/32 | CTFPBASE25/32 | TPMR1603... |
| CTFPR32 | Dx/R | 32 mm | 30 mm | 355 mm | CTMTMC25/32 | CTFPBASE25/32 | TPMR1603... |
| CTFPL32 | Sx/L | 32 mm | 30 mm | 355 mm | CTMTMC25/32 | CTFPBASE25/32 | TPMR1603... |



CKUNR

93° SOLID BORING BAR

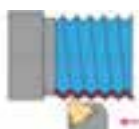


| Art. | Side | D | h | l | Bracket | Screw | Base | Insert (not included) |
|---------|------|-------|-------|--------|-----------|----------|-----------|-----------------------|
| CKUNR25 | Dx/R | 25 mm | 23 mm | 300 mm | STAFCKJNR | VITECKJN | BASECKJNR | KNUX1604... |
| CKUNR32 | Dx/R | 32 mm | 30 mm | 350 mm | STAFCKJNR | VITECKJN | BASECKJNR | KNUX1604... |
| CKUNR40 | Dx/R | 40 mm | 37 mm | 400 mm | STAFCKJNR | VITECKJN | BASECKJNR | KNUX1604... |

KISER

EXTERNAL THREAD TOOL HOLDER

Consisting of external threading tool (1 Pc), M3.5 X 12 mm spare screw (1 Pc), 2.5 mm hex wrench (1 Pc), T15 torx wrench (1 Pc) and assorted inserts: AG55 - AG60; - ISO 0.8 - 1.00 - 1.25 - 1.50 - 1.75 - 2.00 - 2.50 - 3.00 mm (1 Pc each).

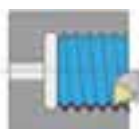


| Art. | Ext. tool holder | Insert | Torx key | Screw | b | l | h |
|---------|------------------|---------|----------|--------------|-------|-------|--------|
| KISER | SER20 | 16ER... | T15 | M3,5 x 12 mm | 20 mm | 20 mm | 125 mm |
| KISER25 | SER25 | 16ER... | T15 | M3,5 x 12 mm | 25 mm | 25 mm | 150 mm |

KISNR

INTERNAL THREAD TOOL HOLDER

Consisting of internal threading tool (1 Pc), spare M3.5 X 12 mm screw (1 Pc), 2.5 mm hex wrench (1 Pc), T15 torx wrench (1 Pc) and assorted inserts: AG55 - AG60; - ISO 0.8 - 1.00 - 1.25 - 1.50 - 1.75 - 2.00 - 2.50 - 3.00 mm (1 Pc each).

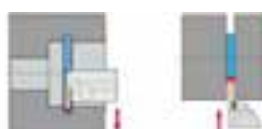


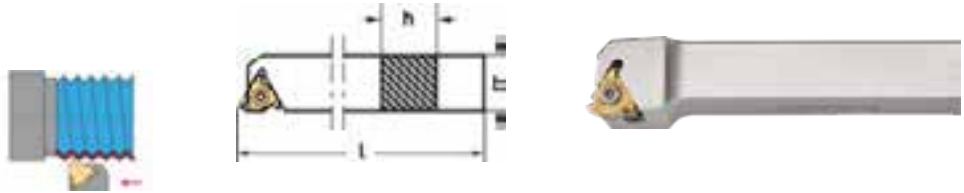
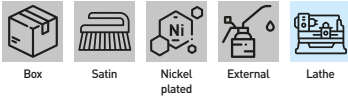
| Art. | Int. tool holder | Insert | Torx key | Screw | D | h | l |
|---------|------------------|---------|----------|--------------|-------|-------|--------|
| KISNR | SNR20 | 16IR... | T15 | M3.5 x 12 mm | 20 mm | 18 mm | 200 mm |
| KISNR25 | SNR25 | 16IR... | T15 | M3.5 x 12 mm | 25 mm | 23 mm | 200 mm |

KICAN

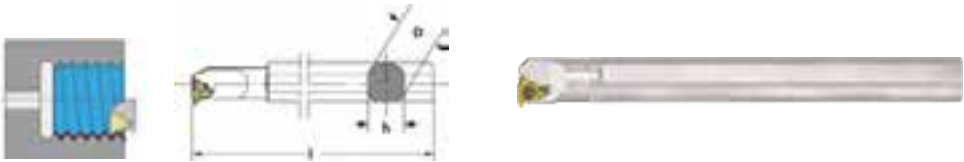
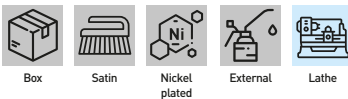
INTERNAL AND EXTERNAL GROOVING TOOL HOLDER SET

Consisting of the tool for external grooves: 20 x 20 mm (1 Pc), the tool for internal grooves: ø 20 mm (1 Pc), spare screw M4 x 12 mm (2 Pcs), torx wrench: T15 (1 Pc) and inserts for 16 mm groove TIN coated: 165110134 (2 Pcs), 165130134 (2 Pcs), 165160134 (2 Pcs), 165185134 (1 Pc), 165215134 (1 Pc), 165265134 (1 Pc), 165315134 (1 Pc).

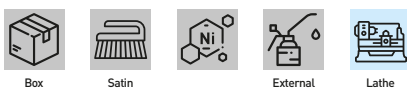
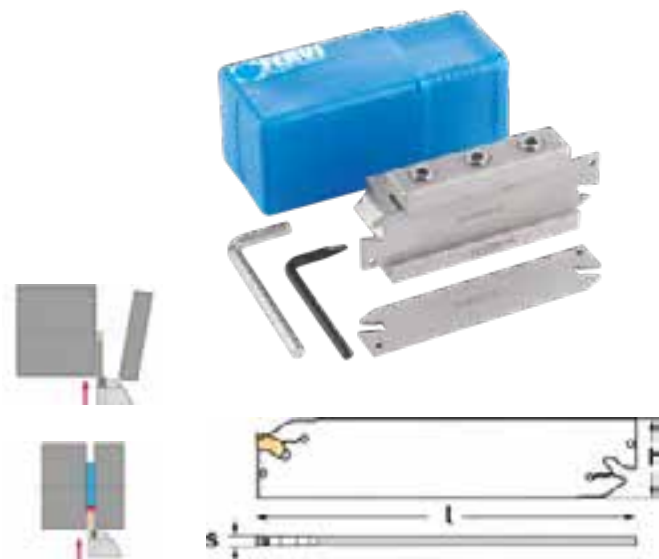



SERX
EXTERNAL THREAD TOOL HOLDER


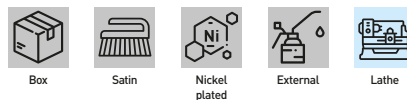
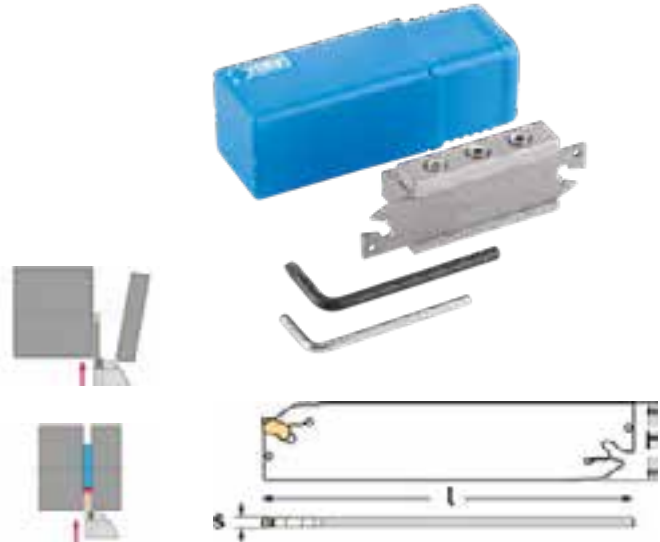
| Art. | b | h | l | Base | Bushing | Screw | Insert (not included) |
|-------|-------|-------|--------|--------|---------|-------|-----------------------|
| SER16 | 16 mm | 16 mm | 100 mm | ----- | ----- | KV350 | 16ER... |
| SER20 | 20 mm | 20 mm | 125 mm | BSER16 | BU3550 | KV350 | 16ER... |
| SER25 | 25 mm | 25 mm | 150 mm | BSER16 | BU3550 | KV350 | 16ER... |

SNRX
INTERNAL THREAD TOOL HOLDER


| Art. | D | h | l | Base | Screw | Bushing | Insert (not included) |
|-------|-------|-------|--------|--------|-------|---------|-----------------------|
| SNR12 | 12 mm | 11 mm | 150 mm | ----- | KV250 | ----- | 11IR... |
| SNR16 | 16 mm | 15 mm | 170 mm | ----- | KV350 | ----- | 16IR... |
| SNR20 | 20 mm | 18 mm | 200 mm | BSNR16 | KV350 | BU3550 | 16IR... |
| SNR25 | 25 mm | 23 mm | 300 mm | BSNR16 | KV350 | BU3550 | 16IR... |

T088
TOOL CUTTING SET


| | |
|------------------------------|---|
| Set composition | 1 Pcs SGTBK16 - 1 Pcs SGIH26/2 - 1 Pcs SGIH26/3 |
| S | 2 - 3 mm |
| h | 25.75 mm |
| l | 109 mm |
| Insert (not included) | GCMX2N - GCMX3N |

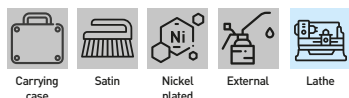
T089
TOOL CUTTING SET


| | |
|------------------------------|--------------------------------|
| Set composition | 1 Pcs SGIH19/2 - 1 Pcs SGTBK10 |
| S | 2 mm |
| h | 19.5 mm |
| l | 85 mm |
| Insert (not included) | GCMX2N |



T09X

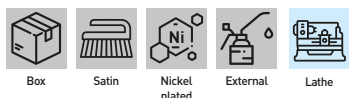
TOOL CUTTING SET



| Art. | Set composition | S | h | l | Insert (not included) |
|------|--|--------------|----------|--------------|--------------------------|
| T090 | 1 Pcs SGIH32/3 - 1 Pcs SGIH32/4 - 1 Pcs SGIH32/5 - 1 Pcs SGTBK25 | 3 - 4 - 5 mm | 31,75 mm | 150 - 160 mm | GCMX3N - GCMX4N - GCMX5N |
| T091 | 1 Pcs SGIH26/2 - 1 Pcs SGIH26/3 - 1 Pcs SGTBK20 | 2 - 3 mm | 25,75 mm | 109 mm | GCMX2N - GCMX3N |

SGIH

TOOL FOR EXTERNAL CUTTING - BLADE



| Art. | S | h | l | Insert (not included) |
|----------|------|----------|--------|-----------------------|
| SGIH26/2 | 2 mm | 25.75 mm | 109 mm | GCMX2N... |
| SGIH26/3 | 3 mm | 25.75 mm | 109 mm | GCMX3N... |
| SGIH32/3 | 3 mm | 31.75 mm | 150 mm | GCMX3N... |
| SGIH32/4 | 4 mm | 31 mm | 150 mm | GCMX4N... |
| SGIH32/5 | 5 mm | 31.75 mm | 150 mm | GCMX5N... |
| SGIH19/2 | 2 mm | 19.5 mm | 85 mm | GCMX2N... |

SGTBK

TOOL FOR EXTERNAL CUTTING - BLADE TOOL HOLDER



| Art. | Spindle | Dimensions | Blade |
|---------|------------|-------------------|-------|
| SGTBK10 | 10 x 10 mm | 56 x 25 x 30 mm | 19 mm |
| SGTBK16 | 16 x 16 mm | 87 x 38 x 33 mm | 26 mm |
| SGTBK20 | 20 x 20 mm | 100 x 38 x 45h mm | 26 mm |
| SGTBK25 | 25 x 25 mm | 110 x 49 x 48h mm | 32 mm |



MAIN TYPES OF MILLING

Shoulder milling


Milling that generates 2 faces at the same time obtaining a 90° shoulder

Flattening


Milling to make a rough surface flat

High feed milling


Face milling with tools that allow high feed rates (up to 4 mm/tooth)

Copying


Combination of discordant and concordant milling, requires many unfavourable engagements and disengagements in cutting.

Quarry milling


Milling for the execution of a quarry or a seat

Chamfering


Milling for chamfering holes or contours.

MAIN MILLING FORMULAS

- $V_c = (D_{cap} \times n \times n) \div 1000$
- $n = (V_c \times 1000) \div (n \times D_{cap})$
- $F_z = V_f \div (n \times Z_c)$
- $V_f = F_z \times n \times Z_c$

Key

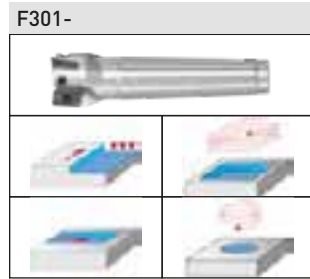
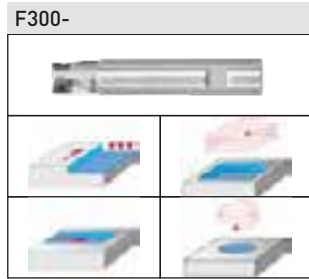
D_{cap} : Cutting diameter at effective cutting depth doc (mm)
 F_z : Feed per tooth (mm/tooth)
 Z_c : Number of effective milling machine teeth
 V_f : Table feed (mm/min)
 F_n : Feed per revolution (mm/tooth)
 doc : Cutting depth (mm)
 V_c : Cutting speed (m/min)
 n : Spindle rotation speed (mm/min)
 π : its value is 3.14



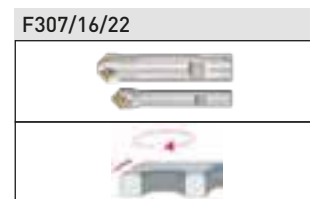
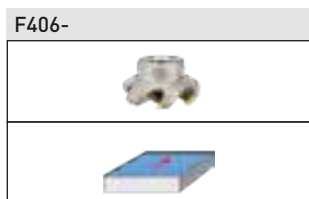


FERVI MILLING TOOLS TYPOLOGY

90° MILLING CUTTER



45° MILLING MACHINE

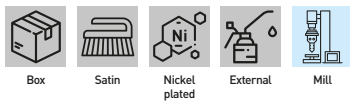


MILLING MACHINE FOR CONTOURING AND FLATTENING ROUND INSERTS

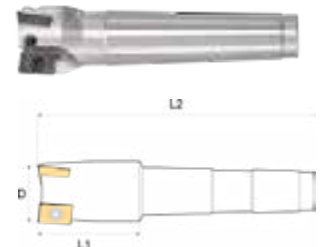
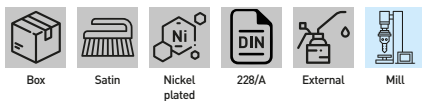



F300-
STRAIGHT SHANK FACE MILLING CUTTER

With cylindrical shank.



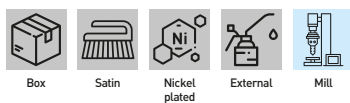
| Art. | D | d | Z | L1 | L2 | Screw | Insert (not included) |
|-------------|-------|-------|---|-------|--------|-------|-----------------------|
| F300/12 | 12 mm | 12 mm | 1 | 27 mm | 120 mm | KV250 | APKT1003... |
| F300/14 | 14 mm | 12 mm | 1 | 27 mm | 120 mm | KV250 | APKT1003.. |
| F300/16 | 16 mm | 16 mm | 2 | 27 mm | 120 mm | KV250 | APKT1003... |
| F300/18 | 18 mm | 16 mm | 2 | 27 mm | 120 mm | KV250 | APKT1003... |
| F300/20 | 20 mm | 20 mm | 3 | 27 mm | 120 mm | KV250 | APKT1003... |
| F300/22 | 22 mm | 20 mm | 3 | 27 mm | 120 mm | KV250 | APKT1003... |
| F300/25 | 25 mm | 20 mm | 4 | 27 mm | 120 mm | KV250 | APKT1003... |
| F300/25/16 | 25 mm | 20 mm | 2 | 44 mm | 120 mm | KV400 | APKT1604... |
| F300/25/16L | 25 mm | 20 mm | 2 | 44 mm | 200 mm | KV400 | APKT1604... |
| F300/32/16 | 32 mm | 25 mm | 3 | 50 mm | 120 mm | KV400 | APKT1604... |
| F300/32/16L | 32 mm | 32 mm | 3 | 55 mm | 200 mm | KV400 | APKT1604... |

F301-
STRAIGHT SHANK FACE MILLING CUTTER


| Art. | D | MT | Z | L1 | L2 | Screw | Insert (not included) |
|------------|-------|----|---|-------|--------|-------|-----------------------|
| F301/25 | 25 mm | 3 | 2 | 40 mm | 125 mm | KV400 | APKT1604... |
| F301/32 | 32 mm | 3 | 3 | 40 mm | 125 mm | KV400 | APKT1604... |
| F301/40 | 40 mm | 3 | 4 | 35 mm | 125 mm | KV400 | APKT1604... |
| F301/32CM4 | 32 mm | 4 | 3 | 45 mm | 150 mm | KV400 | APKT1604... |
| F301/40CM4 | 40 mm | 4 | 4 | 40 mm | 150 mm | KV400 | APKT1604... |

F306-
FACE MILLING CUTTER

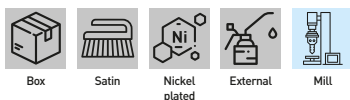
With front perforating cut for making slots, with cylindrical attachment. It allows you to make slots from solid.



| Art. | D | d | Z | L1 | L2 | Screw | Insert (not included) |
|---------|-------|-------|---|-------|--------|-------|-----------------------|
| F306/20 | 20 mm | 20 mm | 3 | 18 mm | 90 mm | KV250 | APKT1003... |
| F306/25 | 25 mm | 25 mm | 3 | 18 mm | 100 mm | KV250 | APKT1003... |

F302-
FACE MILLING CUTTER

With sleeve connection.



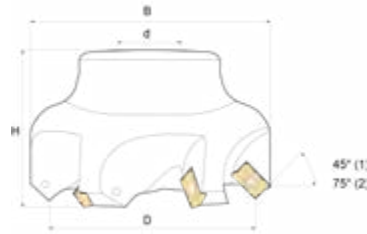
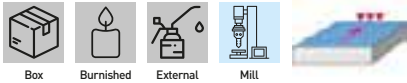
| Art. | D | L | d | Z | Screw | Insert (not included) |
|----------|--------|-------|-------|---|-------|-----------------------|
| F302/040 | 40 mm | 40 mm | 16 mm | 4 | KV400 | APKT1604... |
| F302/050 | 50 mm | 45 mm | 22 mm | 4 | KV400 | APKT1604... |
| F302/063 | 63 mm | 50 mm | 22 mm | 6 | KV400 | APKT1604... |
| F302/080 | 80 mm | 50 mm | 27 mm | 7 | KV400 | APKT1604... |
| F302/100 | 100 mm | 50 mm | 32 mm | 8 | KV400 | APKT1604... |



F304-

FACE MILLING CUTTER FOR BLIND SIDE'S INSERT

With sleeve connection.



| Art. | D | H | B | d | Z | Screw | Insert (not included) |
|----------|-------|-------|---------|-------|---|-------|-----------------------|
| F304/063 | 63 mm | 42 mm | 71.2 mm | 22 mm | 6 | KV250 | APKT1003... |
| F304/080 | 80 mm | 47 mm | 84 mm | 27 mm | 5 | KV400 | APKT1604... |

F402-

FACE MILLING CUTTER

With cylindrical shank.



| Art. | D | d | Z | L1 | L2 | Screw | Insert (not included) |
|----------|-------|-------|---|-------|--------|-------|-----------------------|
| F402/25 | 25 mm | 20 mm | 2 | 35 mm | 110 mm | KV400 | ADLT1503... |
| F402/32 | 32 mm | 25 mm | 3 | 35 mm | 120 mm | KV400 | ADLT1503... |
| F402/25L | 25 mm | 25 mm | 2 | 35 mm | 200 mm | KV400 | ADLT1503... |
| F402/32L | 32 mm | 25 mm | 3 | 35 mm | 200 mm | KV400 | ADLT1503... |

F401-

FACE MILLING CUTTER



| Art. | D | MT | Z | L1 | L2 | Screw | Insert (not included) |
|------------|-------|----|---|-------|--------|-------|-----------------------|
| F401/25 | 25 mm | 3 | 2 | 44 mm | 130 mm | KV400 | ADLT1503... |
| F401/32 | 32 mm | 3 | 3 | 44 mm | 130 mm | KV400 | ADLT1503... |
| F401/40 | 40 mm | 3 | 4 | 44 mm | 130 mm | KV400 | ADLT1503... |
| F401/40CM4 | 40 mm | 4 | 4 | 44 mm | 153 mm | KV400 | ADLT1503... |

F400-

FACE MILLING CUTTER

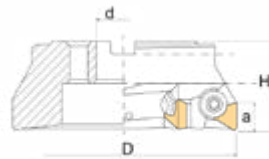
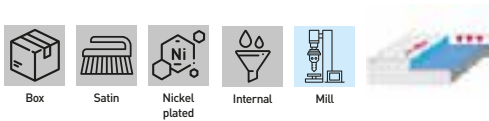
With sleeve connection, recommended for use on machines with medium power



| Art. | D | H | a | d | Z | Screw | Insert (not included) |
|----------|--------|-------|---------|-------|---|-------|-----------------------|
| F400/040 | 40 mm | 40 mm | 8,4 mm | 16 mm | 4 | KV400 | ADLT1503... |
| F400/050 | 50 mm | 40 mm | 10,4 mm | 22 mm | 5 | KV400 | ADLT1503... |
| F400/063 | 63 mm | 40 mm | 10,4 mm | 22 mm | 6 | KV400 | ADLT1503... |
| F400/080 | 80 mm | 50 mm | 12,4 mm | 27 mm | 7 | KV400 | ADLT1503... |
| F400/100 | 100 mm | 50 mm | 14,4 mm | 32 mm | 8 | KV400 | ADLT1503... |


F256-
FACE MILLING

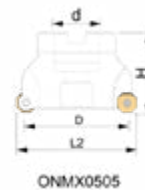
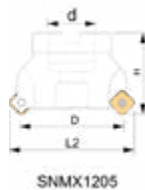
With sleeve connection, recommended for use on machines with medium power.



| Art. | D | H | a | d | Z | Screw | Insert (not included) |
|----------|--------|-------|-------|-------|---|----------|-----------------------|
| F256/040 | 40 mm | 40 mm | 16 mm | 16 mm | 3 | F256/644 | TPKN1603... |
| F256/050 | 50 mm | 40 mm | 16 mm | 22 mm | 3 | F256/644 | TPKN1603... |
| F256/063 | 63 mm | 40 mm | 16 mm | 22 mm | 3 | F256/644 | TPKN1603... |
| F256/080 | 80 mm | 50 mm | 22 mm | 27 mm | 4 | F256/648 | TPKN2204... |
| F256/100 | 100 mm | 50 mm | 22 mm | 32 mm | 5 | F256/648 | TPKN2204... |

F407-
MILLING CUTTER WITH NEGATIVE INSERTS FOR FACE MILLING

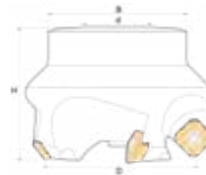
With sleeve connection, recommended for use on machines with medium/high power.



| Art. | D | H | L2 | d | Z | Screw | Insert (not included) |
|----------|-----|----|-----|----|---|-------|---------------------------|
| F407/050 | 50 | 40 | 63 | 22 | 4 | KV401 | ONMX1205... - SNMX1205... |
| F407/100 | 100 | 50 | 113 | 32 | 8 | KV401 | ONMX1205... - SNMX1205... |

F303-
FACE MILLING CUTTER

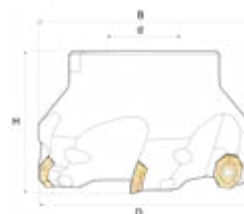
With sleeve connection, recommended for use on machines with medium power.



| Art. | D | H | B | d | Z | Screw | Insert (not included) |
|----------|--------|-------|--------|-------|---|-------|---------------------------|
| F303/040 | 40 mm | 45 mm | 53 mm | 16 mm | 3 | KV500 | SEHX1204... / SEHT1204... |
| F303/050 | 50 mm | 48 mm | 60 mm | 22 mm | 4 | KV500 | SEHX1204... / SEHT1204... |
| F303/063 | 63 mm | 50 mm | 76 mm | 22 mm | 5 | KV500 | SEHX1204... / SEHT1204... |
| F303/080 | 80 mm | 50 mm | 93 mm | 27 mm | 5 | KV500 | SEHX1204... / SEHT1204... |
| F303/100 | 100 mm | 50 mm | 113 mm | 32 mm | 6 | KV500 | SEHX1204... / SEHT1204... |
| F303/125 | 125 mm | 60 mm | 138 mm | 40 mm | 7 | KV500 | SEHX1204... / SEHT1204... |

F308-
FACE MILLING CUTTERS

With sleeve connection, thanks to the very positive geometry, excellent machined surfaces are obtained.



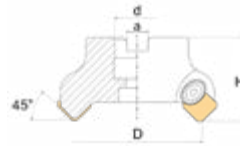
| Art. | D | H | L2 | d | Z | Screw | Insert (not included) |
|----------|--------|-------|--------|-------|---|-------|-----------------------|
| F308/063 | 63 mm | 40 mm | 68 mm | 22 mm | 5 | KV400 | OFEX05T3... |
| F308/080 | 80 mm | 50 mm | 86 mm | 27 mm | 6 | KV400 | OFEX05T3... |
| F308/100 | 100 mm | 50 mm | 106 mm | 32 mm | 7 | KV400 | OFEX05T3... |



F406-

FACE MILLING CUTTER

With sleeve connection, recommended for use on machines with reduced power.



| Art. | D | H | a | d | Z | Screw | Insert base | Insert (not included) |
|----------|--------|-------|---------|-------|---|---------|-------------|-----------------------|
| F406/40 | 40 mm | 48 mm | 8,4 mm | 16 mm | 3 | VT00440 | WSSP | SEKN1203... |
| F406/50 | 50 mm | 48 mm | 10,4 mm | 22 mm | 4 | VT00440 | WSSP | SEKN1203... |
| F406/63 | 63 mm | 48 mm | 12,4 mm | 22 mm | 5 | VT00440 | WSSP | SEKN1203... |
| F406/80 | 80 mm | 50 mm | 14,4 mm | 27 mm | 5 | VT00440 | WSSP | SEKN1203... |
| F406/100 | 100 mm | 50 mm | 16,4 mm | 32 mm | 6 | VT00440 | WSSP | SEKN1203... |

F307/16/22

INSERTS COUNTER SINKS SET

With cylindrical shank, for deburring of holes, slots and pockets, for milling plate edges.



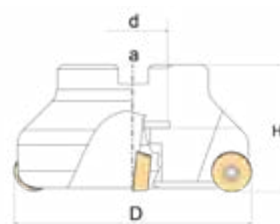
| | |
|-----------------------|-------------|
| D | 16 / 22 mm |
| d | 12 / 20 mm |
| L1 | 7 mm |
| L2 | 90 / 100 mm |
| Z | 1 / 2 |
| Screw | KV250 |
| Insert (not included) | TCMT1102 |



F403-

FACE MILLING CUTTER

With sleeve connection.



| Art. | D | H | a | d | Z | Screw | Insert (not included) |
|----------|--------|-------|---------|-------|---|-------|-----------------------|
| F403/40 | 40 mm | 40 mm | 8,4 mm | 16 mm | 3 | KV400 | RPMT1204... |
| F403/50 | 50 mm | 40 mm | 10,4 mm | 22 mm | 4 | KV400 | RPMT1204... |
| F403/63 | 63 mm | 40 mm | 10,4 mm | 22 mm | 5 | KV400 | RPMT1204... |
| F403/80 | 80 mm | 50 mm | 12,4 mm | 27 mm | 6 | KV400 | RPMT1204... |
| F403/100 | 100 mm | 50 mm | 14,4 mm | 32 mm | 6 | KV400 | RPMT1204... |



BSTG16

SET 5 BASES
16 MM



BU3550

5 BUSHING
SET



BSCL09

SET 5 BASES
9 MM



BSCL12

SET 5 BASES
12 MM



BU4560

5 BUSHING
SET



BSSS12

5 SQUARE
BASES 12 MM



BSVJ16

SET 5 BASES
16 MM



BSDJ11

5 RHOMBIC
BASES 11MM



BU4050

5 BUSHING
SET



RICAPCLN

BASE
BRACKET
SCREW KIT



RICAPTGN

BASE
BRACKET
SCREW KIT



RICAPSSN

BASE
BRACKET
SCREW KIT



STAFCKJNR

RIGHT TOOL
BRACKET



STAFCKJNL

LEFT TOOL
BRACKET



BASECKJNR

CARBIDE BASE
RIGHT TOOL



BASECKJNL

CARBIDE BASE
LEFT TOOL



VITECKJN

TOOL SCREW



PDJNRKIT

KIT PARTS



PWLNRRKIT

BASE
BRACKET
SCREW KIT



MCLNBASE25/32

BASE



CTMTMC16/20

TOOL
BRACKET 16
- 20



CTMTMC25/32

TOOL
BRACKET 25
- 32



MTFNBASE25/32

BASE



CTFP10/12

TOOL
BRACKET



CTFPBASE25/32

BASE
For 25 - 32.



BSER16

5 CARBIDE
BASE 16 MM



VT00440

5 PCS MILL
SCREWS



BSNR16

5 CARBIDES
16 mm.



F256/648

MILL SCREW
080/125



KVX

SCREWS 10 PCS



F256/644

MILL SCREW
040/063



WSSP

BASE



| Art. | Screw |
|-------|------------|
| KV200 | T8 / M2 |
| KV250 | T8 / M2,5 |
| KV300 | T15 / M3 |
| KV350 | T15 / M3,5 |
| KV400 | T15 / M4 |
| KV401 | T20 / M4 |
| KV450 | T15 / M4,5 |
| KV500 | T20 / M5 |



IDENTIFICATION OF TURNING AND MILLING INSERTS

| | | | | | | |
|----------|----------|----------|----------|-----------|-----------|-----------|
| C | N | M | G | 12 | 04 | 08 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |

1 - Shape of insert

2 - Relief angle

4 - Type of insert

5 - Cutting edge length

7 - Radius

| | | |
|--|----|-------|
| | 04 | r 0,4 |
| | 08 | r 0,8 |
| | 12 | r 1,2 |
| | 10 | r 1,0 |

3 - Tolerance

| | | | |
|---|-------------|-------------|-------------|
| | | | |
| | m | s | d |
| E | 0,025 | 0,025 | 0,025 |
| H | 0,013 | 0,025 | 0,013 |
| L | 0,025 | 0,025 | 0,05 - 0,13 |
| K | 0,013 | 0,025 | 0,05 - 0,13 |
| M | 0,08 | 0,13 | 0,05 - 0,13 |
| U | 0,13 - 0,38 | 0,13 - 0,13 | 0,08 - 0,25 |

6 - Thickness

| | | | |
|----|---------|--|--|
| | | | |
| 02 | 2,38 mm | | |
| 03 | 3,18 mm | | |
| T3 | 3,97 mm | | |
| 04 | 4,76 mm | | |
| 05 | 5,56 mm | | |
| 06 | 6,35 mm | | |

ISO MATERIAL CLASSIFICATION

| | | |
|---|--|--|
| P | M | K |
| Lead and case-hardening steels, tempering and construction steels | Ferritic, austenitic, martensitic, duplex steels | Gray, hardened, spheroidal cast iron, CGI cast iron, sintered iron |

CHARACTERISTICS OF INSERT GRADES

| Grade | Coating | Work condition | Coolant | |
|-------|---------|--------------------|---------|---|
| | | | | |
| N | CVD | Stable/Normal | X | |
| 134 | PVD | Stable/Normal | | X |
| 234 | PVD | Stable/Normal | | X |
| 25 | PVD | Stable | | X |
| 20A | PVD | Stable/Normal | X | X |
| F15 | CVD | Stable | X | X |
| F25 | CVD | Stable/Normal | X | X |
| M25 | CVD | Stable/Normal | X | X |
| M35 | CVD | Normal/Interrupted | X | X |

| | Description |
|-----------------------|--|
| | Coating |
| CVD | They are characterised by high wear resistance and excellent adhesion to carbide. In general turning they are applied in stainless steels and in the ISO P,M,K ranges. |
| PVD | They increase wear resistance due to their hardness. Their compressive stresses contribute to increased cutting edge toughness and resistance to comb crack formation. |
| Work condition | |
| Stable | Type of cut in which the insert has a homogeneous working condition. |
| Normal | Type of cut in which the insert may have an interrupted/repeated cutting condition. |
| Interrupted | Type of cut in which the insert will have several interruptions/restarts during processing. |

IDENTIFICATION OF THREADING INSERTS

| | | | | |
|-----------|----------|----------|------------|------------|
| 16 | E | R | 175 | ISO |
| A1 | A2 | A3 | A4 | A5 |

| A3 - Cutting direction | |
|------------------------|-------|
| R | Right |
| L | Left |

| A5 - Thread profile | |
|---------------------|---|
| ISO | 60° Metric Thread |
| W | Thread Whitworth 55° |
| AG60 | 60° Profile (Free Thread) 0,5 - 3 mm |
| AG55 | 55° Profile (Free Thread) 28 - 11 TPI |

| A1 - Cutting edge length | |
|--------------------------|-------|
| l | d |
| | |
| 11 | 6,35 |
| 16 | 9,525 |
| 22 | 12,7 |

| A2 - Threading | |
|----------------|----------|
| | |
| E | I |
| External | Internal |

| A4 - Thread pitch | |
|----------------------------------|---------------|
| | |
| mm | Threads/Inch |
| $\frac{A4}{100}$ (0,5 - 3 mm) | (28 - 11 TPI) |

GUIDE TO CHOOSING THE INSERT

| Type of insert | Materials | | | Field of use | | | Type of processing | |
|----------------|-----------|---|---|--------------|--------|----------|--------------------|---------|
| | P | M | K | Finish | Medium | Roughing | Turning | Milling |
| CCMTx | ● | ○ | ○ | ✓ | | | ✓ | |
| CCMTxA | ● | ○ | ○ | ✓ | | | ✓ | |
| CNMGx | ● | ○ | ○ | ✓ | ✓ | | ✓ | |
| CNMGxF15 | ● | ○ | ○ | ✓ | | | ✓ | |
| CNMGxF25 | ○ | ○ | ○ | ✓ | | | ✓ | |
| CNMGxM25 | ● | ○ | ○ | | ✓ | | ✓ | |
| CNMGxM35 | ○ | ○ | ○ | | ✓ | | ✓ | |
| DCMTx | ● | ○ | ○ | ✓ | | | ✓ | |
| DCMTxA | ● | ● | ○ | ✓ | | | ✓ | |
| DNMGx | ● | ○ | ○ | | ✓ | | ✓ | |
| DNMGxM25 | ● | ○ | ○ | | ✓ | | ✓ | |
| DNMGxM35 | ○ | ○ | ○ | | ✓ | | ✓ | |
| KNUx | ● | ○ | ○ | ✓ | | | ✓ | |
| SCMTx | ● | ● | ○ | ✓ | | | ✓ | |
| SCMTxA1 | ● | ○ | ○ | ✓ | | | ✓ | |
| SCMTxA2 | ● | ● | ○ | ✓ | ✓ | | ✓ | |
| SCMTxA3 | ● | ● | ○ | ✓ | ✓ | | ✓ | |
| SNMGxF15 | ● | ○ | ○ | ✓ | | | ✓ | |
| SNMGxF25 | ○ | ○ | ○ | ✓ | | | ✓ | |
| SNMGxM25 | ● | ○ | ○ | | ✓ | | ✓ | |
| SNMGxM35 | ○ | ○ | ○ | | ✓ | | ✓ | |
| SPMRx | ● | ○ | ○ | ✓ | | | ✓ | |
| TCMTx | ● | ● | ○ | ✓ | ✓ | | ✓ | |
| TCMTxA | ● | ○ | ○ | ✓ | | | ✓ | |
| WNMGx | ● | ○ | ○ | | ✓ | | ✓ | |
| WNMGxM25 | ● | ○ | ○ | | ✓ | | ✓ | |
| WNMGxM35 | ○ | ○ | ○ | | ✓ | | ✓ | |



| Type of insert | Materials | | | Field of use | | | Type of processing | |
|----------------|-----------|---|---|--------------|--------|----------|--------------------|---------|
| | P | M | K | Finish | Medium | Roughing | Turning | Milling |
| TNMGx | ● | ● | ○ | ✓ | | | ✓ | |
| TNMGxF15 | ● | ● | ○ | ✓ | | | ✓ | |
| TNMGxF25 | ● | ● | ○ | ✓ | | | ✓ | |
| TNMGxM25 | ● | ● | ○ | | ✓ | | ✓ | |
| TNMGxM35 | ○ | ● | ○ | | ✓ | | ✓ | |
| TPMRx | ● | ● | ○ | ✓ | | | ✓ | |
| VBMTx | ○ | ● | ○ | ✓ | | | ✓ | |
| VBMTxA | ● | ● | ○ | ✓ | ✓ | | ✓ | |
| ADLTx | ● | ● | ○ | | ✓ | ✓ | | ✓ |
| ADLTxA | ● | ● | ○ | | ✓ | ✓ | | ✓ |
| ADLTxA1 | ● | ● | ○ | | ✓ | ✓ | | ✓ |
| APKTx | ○ | ● | ○ | | ✓ | | | ✓ |
| OFEXx | ● | ● | ○ | ✓ | ✓ | | | ✓ |
| OFEXxA | ● | ● | ○ | ✓ | ✓ | | | ✓ |
| ONMXxA | ● | ● | ○ | ✓ | ✓ | | | ✓ |
| RDHTx | ● | ● | ○ | | ✓ | ✓ | | ✓ |
| RPMTx | ● | ● | ○ | | ✓ | ✓ | | ✓ |
| SEHTx | ● | ● | ○ | ✓ | ✓ | | | ✓ |
| SEHTxA | ○ | ● | ○ | ✓ | ✓ | | | ✓ |
| SEKNx | ● | ● | ○ | | ✓ | ✓ | | ✓ |
| SEHXx | ○ | ● | ○ | | ✓ | ✓ | | ✓ |
| SEHXxA | ● | ○ | ○ | | ✓ | ✓ | | ✓ |
| SNMXx | ● | ● | ○ | ✓ | ✓ | | | ✓ |
| SPKNx | ● | ○ | ○ | | ✓ | ✓ | | ✓ |
| TPKNx | ● | ○ | ○ | | ✓ | ✓ | | ✓ |
| GCMX | ● | ● | ○ | | | | ✓ | |
| GCMXA | ● | ● | ○ | | | | ✓ | |

Key

- Recommended Application
- Possible Application
- ✓ Recommended field of application

CCMTX
TURNING INSERTS

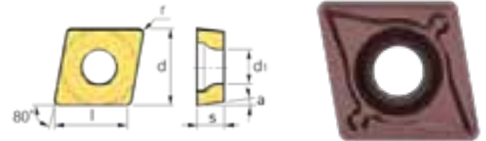
Positive.



| Art. | Dimensions | d | l | S | r | d1 | a° | Pack |
|-------------|------------|----------|----------|---------|---------|---------|----|------|
| CCMT060204N | 6 mm | 6.35 mm | 6.30 mm | 2.38 mm | 0.40 mm | 2.80 mm | 7° | 10 |
| CCMT09T304N | 9 mm | 9.52 mm | 9.70 mm | 3.97 mm | 0.40 mm | 4.40 mm | 7° | 10 |
| CCMT09T308N | 9 mm | 9.52 mm | 9.70 mm | 3.97 mm | 0.80 mm | 4.40 mm | 7° | 10 |
| CCMT120408N | 12 mm | 12.70 mm | 12.90 mm | 4.76 mm | 0.80 mm | 5.50 mm | 7° | 10 |

CCMTXA
TURNING INSERTS

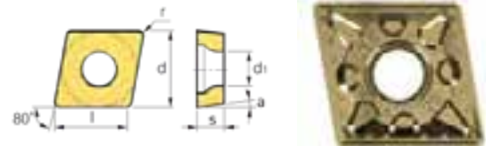
Positive.



| Art. | Dimensions | d | l | S | r | d1 | a° | Pack |
|---------------|------------|----------|----------|---------|---------|---------|----|------|
| CCMT06020420A | 6 mm | 6.35 mm | 6.30 mm | 2.38 mm | 0.40 mm | 2.80 mm | 7° | 10 |
| CCMT09T30420A | 9 mm | 9.52 mm | 9.70 mm | 3.97 mm | 0.40 mm | 4.40 mm | 7° | 10 |
| CCMT09T30820A | 9 mm | 9.52 mm | 9.70 mm | 3.97 mm | 0.80 mm | 4.40 mm | 7° | 10 |
| CCMT12040820A | 12 mm | 12.70 mm | 12.90 mm | 4.76 mm | 0.80 mm | 5.50 mm | 7° | 10 |

CNMGX
TURNING INSERTS

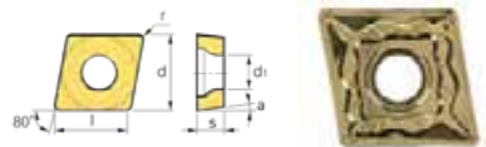
Negative.



| Art. | Dimensions | d | l | S | r | d1 | a° | Pack |
|-------------|------------|----------|----------|---------|---------|---------|----|------|
| CNMG120404N | 12 mm | 12.70 mm | 12.90 mm | 4.76 mm | 0.40 mm | 5.16 mm | - | 10 |
| CNMG120408N | 12 mm | 12.70 mm | 12.90 mm | 4.76 mm | 0.80 mm | 5.16 mm | - | 10 |

CNMGXF15
TURNING INSERTS

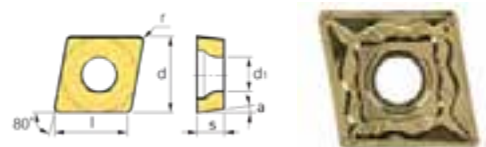
Negative.



| Art. | Dimensions | d | l | S | r | d1 | a° | Pack |
|---------------|------------|----------|----------|---------|---------|---------|----|------|
| CNMG120404F15 | 12 mm | 12.70 mm | 12.90 mm | 4.76 mm | 0.40 mm | 5.16 mm | - | 10 |

CNMGXF25
TURNING INSERTS

Negative.



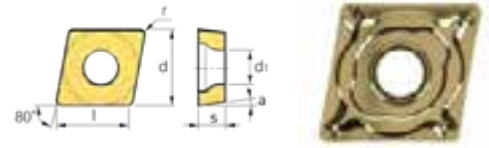
| Art. | Dimensions | d | l | S | r | d1 | a° | Pack |
|---------------|------------|----------|----------|---------|---------|---------|----|------|
| CNMG120404F25 | 12 mm | 12.70 mm | 12.90 mm | 4.76 mm | 0.40 mm | 5.16 mm | - | 10 |



CNMGXM25

TURNING INSERTS

Negative.

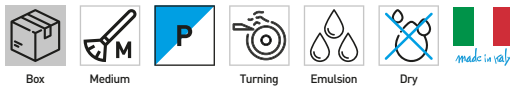
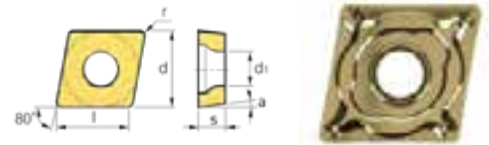


| Art. | Dimensions | d | l | S | r | d1 | a° | Pack |
|---------------|------------|----------|----------|---------|---------|---------|----|------|
| CNMG120408M25 | 12 mm | 12.70 mm | 12.90 mm | 4.76 mm | 0.80 mm | 5.16 mm | - | 10 |

CNMGXM35

TURNING INSERTS

Negative.

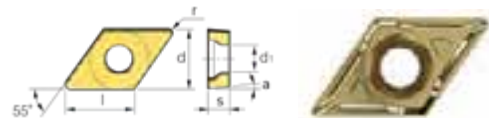


| Art. | Dimensions | d | l | S | r | d1 | a° | Pack |
|---------------|------------|----------|----------|---------|---------|---------|----|------|
| CNMG120408M35 | 12 mm | 12.70 mm | 12.90 mm | 4.76 mm | 0.80 mm | 5.16 mm | - | 10 |

DCMTX

TURNING INSERTS

Positive.

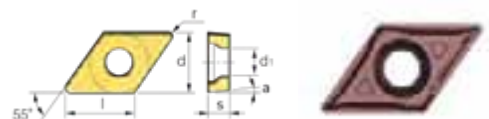


| Art. | Dimensions | d | l | S | r | d1 | a° | Pack |
|-------------|------------|---------|----------|---------|---------|---------|----|------|
| DCMT070204N | 7 mm | 6.35 mm | 7.70 mm | 2.38 mm | 0.40 mm | 2.80 mm | 7° | 10 |
| DCMT11T304N | 11 mm | 9.52 mm | 11.60 mm | 3.97 mm | 0.40 mm | 2.20 mm | 7° | 10 |

DCMTXA

TURNING INSERTS

Positive.

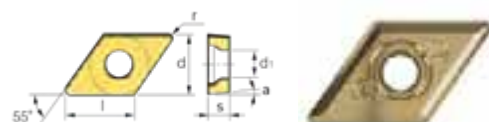


| Art. | Dimensions | d | l | S | r | d1 | a° | Pack |
|---------------|------------|---------|----------|---------|---------|---------|----|------|
| DCMT07020420A | 7 mm | 6.35 mm | 7.70 mm | 2.38 mm | 0.40 mm | 2.80 mm | 7° | 10 |
| DCMT11T30420A | 11 mm | 9.52 mm | 11.60 mm | 3.97 mm | 0.40 mm | 2.20 mm | 7° | 10 |

DNMGX

TURNING INSERTS

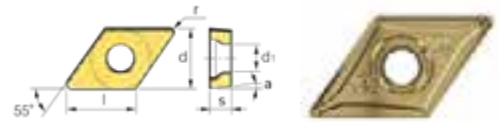
Negative.



| Art. | Dimensions | d | l | S | r | d1 | a° | Pack |
|-------------|------------|----------|----------|---------|---------|---------|----|------|
| DNMG150608N | 15 mm | 12.70 mm | 15.50 mm | 6.35 mm | 0.80 mm | 5.20 mm | - | 10 |

DNMGXM25
TURNING INSERTS

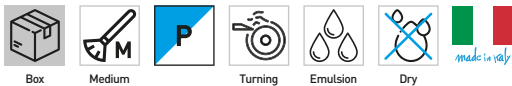
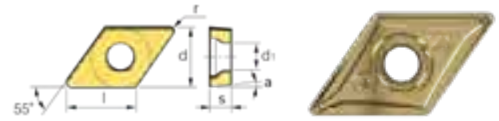
Negative.



| Art. | Dimensions | d | l | S | r | d1 | a° | Pack |
|---------------|------------|----------|----------|---------|---------|---------|----|------|
| DNMG150608M25 | 15 mm | 12.70 mm | 15.50 mm | 6.35 mm | 0.80 mm | 5.20 mm | - | 10 |

DNMGXM35
TURNING INSERTS

Negative.



| Art. | Dimensions | d | l | S | r | d1 | a° | Pack |
|---------------|------------|----------|----------|---------|---------|---------|----|------|
| DNMG150608M35 | 15 mm | 12.70 mm | 15.50 mm | 6.35 mm | 0.80 mm | 5.20 mm | - | 10 |

KNUX
TURNING INSERTS

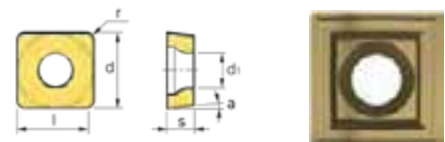
Positive.



| Art. | Dimensions | d | l | S | r | a° | Pack |
|--------------|------------|---------|----------|---------|---------|----|------|
| KNUX160405RN | 16 mm | 9.52 mm | 19.72 mm | 4.76 mm | 0.50 mm | - | 10 |
| KNUX160410RN | 16 mm | 9.52 mm | 19.72 mm | 4.76 mm | 1.00 mm | - | 10 |
| KNUX160405LN | 16 mm | 9.52 mm | 19.72 mm | 4.76 mm | 0.50 mm | - | 10 |
| KNUX160410LN | 16 mm | 9.52 mm | 19.72 mm | 4.76 mm | 1.00 mm | - | 10 |

SCMTX
TURNING INSERTS

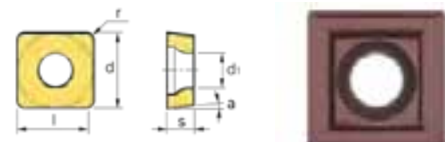
Positive.



| Art. | Dimensions | d | l | S | r | d1 | a° | Pack |
|-------------|------------|----------|----------|---------|---------|---------|----|------|
| SCMT09T304N | 9 mm | 9.52 mm | 9.52 mm | 3.97 mm | 0.40 mm | 4.40 mm | 7° | 10 |
| SCMT09T308N | 9 mm | 9.52 mm | 9.52 mm | 3.97 mm | 0.80 mm | 4.40 mm | 7° | 10 |
| SCMT120408N | 12 mm | 12.70 mm | 12.70 mm | 4.76 mm | 0.80 mm | 5.50 mm | 7° | 10 |

SCMTXA1
TURNING INSERTS

Positive.



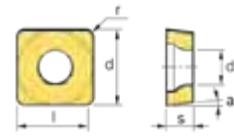
| Art. | Dimensions | d | l | S | r | d1 | a° | Pack |
|---------------|------------|---------|---------|---------|---------|---------|----|------|
| SCMT09T30420A | 9 mm | 9.52 mm | 9.52 mm | 3.97 mm | 0.40 mm | 4.40 mm | 7° | 10 |



SCMTXA2

TURNING INSERTS

Positive.

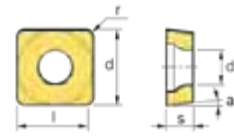


| Art. | Dimensions | d | l | S | r | d1 | a° | Pack |
|---------------|------------|---------|---------|---------|---------|---------|----|------|
| SCMT09T30820A | 9 mm | 9.52 mm | 9.52 mm | 3.97 mm | 0.80 mm | 4.40 mm | 7° | 10 |

SCMTXA3

TURNING INSERTS

Positive.

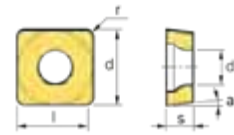


| Art. | Dimensions | d | l | S | r | d1 | a° | Pack |
|---------------|------------|----------|----------|---------|---------|---------|----|------|
| SCMT12040820A | 12 mm | 12.70 mm | 12.70 mm | 4.76 mm | 0.80 mm | 5.50 mm | 7° | 10 |

SNMGXF15

TURNING INSERTS

Negative.

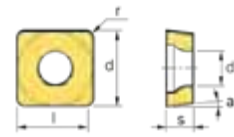


| Art. | Dimensions | d | l | S | r | d1 | a° | Pack |
|---------------|------------|----------|----------|---------|---------|---------|----|------|
| SNMG120404F15 | 12 mm | 12.70 mm | 12.70 mm | 4.76 mm | 0.40 mm | 5.16 mm | - | 10 |

SNMGXF25

TURNING INSERTS

Negative.

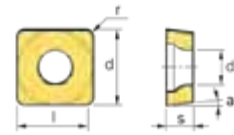


| Art. | Dimensions | d | l | S | r | d1 | a° | Pack |
|---------------|------------|----------|----------|---------|---------|---------|----|------|
| SNMG120404F25 | 12 mm | 12.70 mm | 12.70 mm | 4.76 mm | 0.40 mm | 5.16 mm | - | 10 |

SNMGXM25

TURNING INSERTS

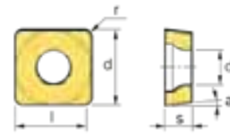
Negative.



| Art. | Dimensions | d | l | S | r | d1 | a° | Pack |
|---------------|------------|----------|----------|---------|---------|---------|----|------|
| SNMG120408M25 | 12 mm | 12.70 mm | 12.70 mm | 4.76 mm | 0.80 mm | 5.16 mm | - | 10 |

SNMGXM35
TURNING INSERTS

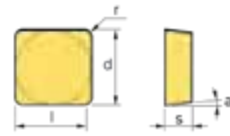
Negative.



| Art. | Dimensions | d | l | S | r | d1 | a° | Pack |
|---------------|------------|----------|----------|---------|---------|---------|----|------|
| SNMG120408M35 | 12 mm | 12.70 mm | 12.70 mm | 4.76 mm | 0.80 mm | 5.16 mm | - | 10 |

SPMRX
TURNING INSERTS

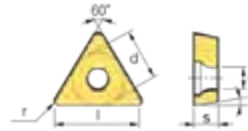
Positive.



| Art. | Dimensions | d | l | S | r | a° | Pack |
|-------------|------------|----------|----------|---------|---------|-----|------|
| SPMR120304N | 12 mm | 12.70 mm | 12.70 mm | 3.18 mm | 0.40 mm | 11° | 10 |
| SPMR120308N | 12 mm | 12.70 mm | 12.70 mm | 3.18 mm | 0.80 mm | 11° | 10 |

TCMTX
TURNING INSERTS

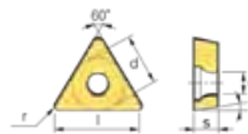
Positive.



| Art. | Dimensions | d | l | S | r | d1 | a° | Pack |
|-------------|------------|---------|----------|---------|---------|---------|----|------|
| TCMT090204N | 9 mm | 3.40 mm | 9.63 mm | 2.38 mm | 0.40 mm | 2.50 mm | 7° | 10 |
| TCMT110204N | 11 mm | 6.35 mm | 11.00 mm | 2.38 mm | 0.40 mm | 2.80 mm | 7° | 10 |
| TCMT16T304N | 16 mm | 9.52 mm | 16.50 mm | 3.97 mm | 0.40 mm | 4.40 mm | 7° | 10 |
| TCMT16T308N | 16 mm | 9.52 mm | 16.50 mm | 3.97 mm | 0.80 mm | 4.40 mm | 7° | 10 |

TCMTXA
TURNING INSERTS

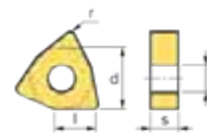
Positive.



| Art. | Dimensions | d | l | S | r | d1 | a° | Pack |
|---------------|------------|---------|----------|---------|---------|---------|----|------|
| TCMT09020420A | 9 mm | 3.40 mm | 9.63 mm | 2.38 mm | 0.40 mm | 2.50 mm | 7° | 10 |
| TCMT11020420A | 11 mm | 6.35 mm | 11.00 mm | 2.38 mm | 0.40 mm | 2.80 mm | 7° | 10 |
| TCMT16T30420A | 16 mm | 9.52 mm | 16.50 mm | 3.97 mm | 0.40 mm | 4.40 mm | 7° | 10 |
| TCMT16T30820A | 16 mm | 9.52 mm | 16.50 mm | 3.97 mm | 0.80 mm | 4.40 mm | 7° | 10 |

WNMGX
TURNING INSERTS

Negative.



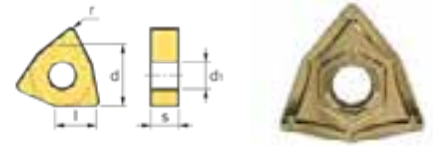
| Art. | Dimensions | d | l | S | r | d1 | a° | Pack |
|-------------|------------|----------|---------|---------|---------|---------|----|------|
| WNMG080408N | 8 mm | 12.70 mm | 8.70 mm | 4.76 mm | 0.80 mm | 5.10 mm | - | 10 |



WNMGXM25

TURNING INSERTS

Negative.

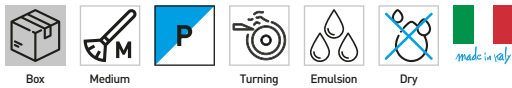
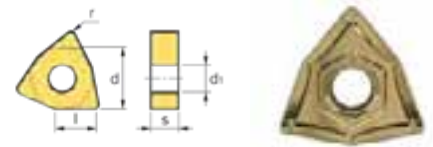


| Art. | Dimensions | d | l | S | r | d1 | a° | Pack |
|---------------|------------|----------|---------|---------|---------|---------|----|------|
| WNMG080408M25 | 8 mm | 12.70 mm | 8.70 mm | 4.76 mm | 0.80 mm | 5.10 mm | - | 10 |

WNMGXM35

TURNING INSERTS

Negative.

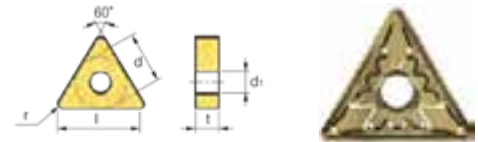


| Art. | Dimensions | d | l | S | r | d1 | a° | Pack |
|---------------|------------|----------|---------|---------|---------|---------|----|------|
| WNMG080408M35 | 8 mm | 12.70 mm | 8.70 mm | 4.76 mm | 0.80 mm | 5.10 mm | - | 10 |

TNMGX

TURNING INSERTS

Negative.

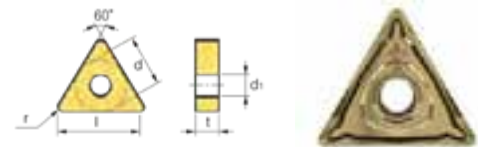


| Art. | Dimensions | d | l | S | r | d1 | a° | Pack |
|-------------|------------|----------|----------|---------|---------|---------|----|------|
| TNMG160404N | 16 mm | 9.52 mm | 16.50 mm | 4.76 mm | 0.40 mm | 3.81 mm | - | 10 |
| TNMG160408N | 16 mm | 9.52 mm | 16.50 mm | 4.76 mm | 0.80 mm | 3.81 mm | - | 10 |
| TNMG220408N | 22 mm | 12.70 mm | 18.25 mm | 4.76 mm | 0.80 mm | 5.16 mm | - | 10 |

TNMGXF15

TURNING INSERTS

Negative.

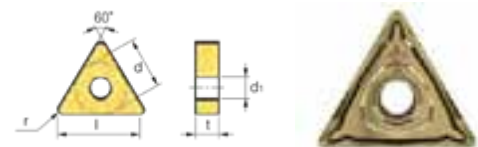


| Art. | Dimensions | d | l | S | r | d1 | a° | Pack |
|---------------|------------|---------|----------|---------|---------|---------|----|------|
| TNMG160404F15 | 16 mm | 9.52 mm | 16.50 mm | 4.76 mm | 0.40 mm | 3.81 mm | - | 10 |

TNMGXF25

TURNING INSERTS

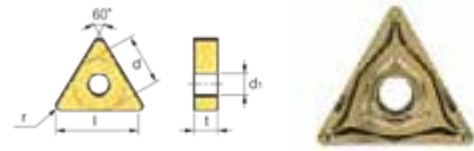
Negative.



| Art. | Dimensions | d | l | S | r | d1 | a° | Pack |
|---------------|------------|---------|----------|---------|---------|---------|----|------|
| TNMG160404F25 | 16 mm | 9.52 mm | 16.50 mm | 4.76 mm | 0.40 mm | 3.81 mm | - | 10 |

TNMGXM25
TURNING INSERTS

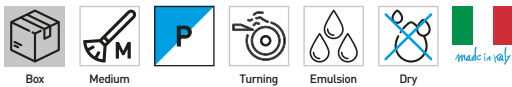
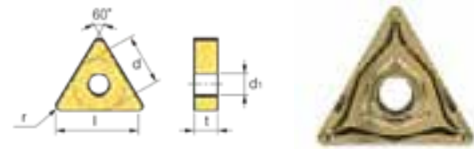
Negative.



| Art. | Dimensions | d | l | S | r | d1 | a° | Pack |
|---------------|------------|---------|----------|---------|---------|---------|----|------|
| TNMG160408M25 | 16 mm | 9.52 mm | 16.50 mm | 4.76 mm | 0.80 mm | 3.81 mm | - | 10 |

TNMGXM35
TURNING INSERTS

Negative.



| Art. | Dimensions | d | l | S | r | d1 | a° | Pack |
|---------------|------------|---------|----------|---------|---------|---------|----|------|
| TNMG160408M35 | 16 mm | 9.52 mm | 16.50 mm | 4.76 mm | 0.80 mm | 3.81 mm | - | 10 |

TPMRX
TURNING INSERTS

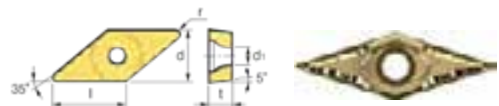
Positive.



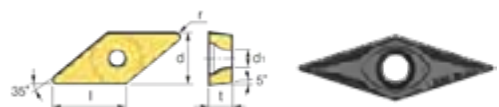
| Art. | Dimensions | d | l | S | r | a° | Pack |
|-------------|------------|---------|----------|---------|---------|-----|------|
| TPMR110304N | 11 mm | 5.98 mm | 10.37 mm | 3.18 mm | 0.40 mm | 11° | 10 |
| TPMR110308N | 11 mm | 5.98 mm | 10.37 mm | 3.18 mm | 0.80 mm | 11° | 10 |
| TPMR160304N | 16 mm | 9.23 mm | 16 mm | 3.18 mm | 0.40 mm | 11° | 10 |
| TPMR160308N | 16 mm | 9.23 mm | 16 mm | 3.18 mm | 0.80 mm | 11° | 10 |

VBMTX
TURNING INSERTS

Positive.



| Art. | Dimensions | d | l | S | r | d1 | a° | Pack |
|-------------|------------|---------|----------|---------|---------|---------|----|------|
| VBMT160404N | 16 mm | 9.52 mm | 16.60 mm | 4.76 mm | 0.40 mm | 4.40 mm | 5° | 10 |

VBMTXA


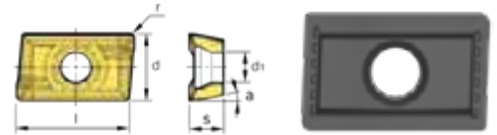
| Art. | Dimensions | d | l | S | r | d1 | a° | Pack |
|---------------|------------|---------|----------|---------|---------|---------|----|------|
| VBMT16040420A | 16 mm | 9.52 mm | 16.60 mm | 4.76 mm | 0.40 mm | 4.40 mm | 5° | 10 |



ADLTXA

MILLING INSERTS

90°.

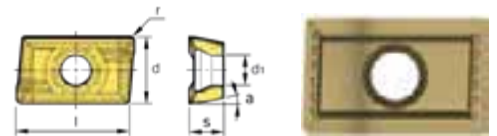


| Art. | Dimensions | d | l | S | r | d1 | a° | Pack |
|----------------|------------|---------|---------|---------|---------|---------|-----|------|
| ADLT150308R20A | 15 mm | 9.52 mm | 14.5 mm | 3.18 mm | 0.80 mm | 4.50 mm | 15° | 10 |

ADLTX

MILLING INSERTS

90°.

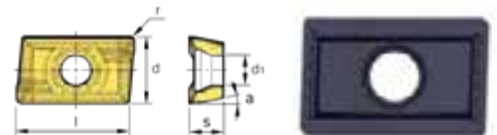


| Art. | Dimensions | d | l | S | r | d1 | a° | Pack |
|----------------|------------|---------|----------|---------|---------|---------|-----|------|
| ADLT1503ZZR234 | 15 mm | 9.52 mm | 14.50 mm | 3.18 mm | 0.80 mm | 4.50 mm | 15° | 10 |

ADLTXA1

MILLING INSERTS

90°.

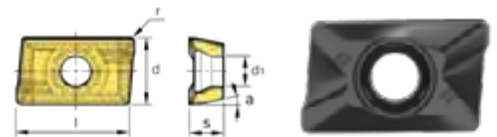


| Art. | Dimensions | d | l | S | r | d1 | a° | Pack |
|----------------|------------|---------|----------|---------|---------|---------|-----|------|
| ADLT1503ZZR20A | 15 mm | 9.52 mm | 14.50 mm | 3.18 mm | 0.80 mm | 4.50 mm | 15° | 10 |

APKTX

MILLING INSERTS

90°.



| Art. | Dimensions | d | l | S | r | d1 | a° | Pack |
|-----------------|------------|---------|----------|---------|---------|---------|-----|------|
| APKT1003PDER20A | 10 mm | 6.70 mm | 10.00 mm | 3.18 mm | 0.50 mm | 3.20 mm | 11° | 10 |
| APKT1604PDER20A | 16 mm | 9.50 mm | 16.30 mm | 4.76 mm | 0.90 mm | 4.40 mm | 11° | 10 |

OFEXX

MILLING INSERTS

45°.



| Art. | Dimensions | d | l | S | r | d1 | a° | Pack |
|---------------|------------|----------|---------|---------|---------|---------|-----|------|
| OFEX05T305234 | 5 mm | 12.80 mm | 3.70 mm | 3.97 mm | 0.50 mm | 4.56 mm | 25° | 10 |

OFEXXA
MILLING INSERTS

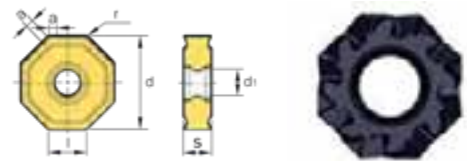
45°.



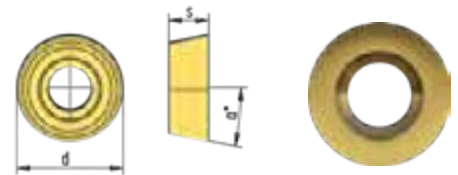
| Art. | Dimensions | d | l | S | r | d1 | a° | Pack |
|---------------|------------|----------|---------|---------|---------|---------|-----|------|
| OFEX05T30520A | 5 mm | 12.80 mm | 3.70 mm | 3.97 mm | 0.50 mm | 4.56 mm | 25° | 10 |

ONMXXA
MILLING INSERTS

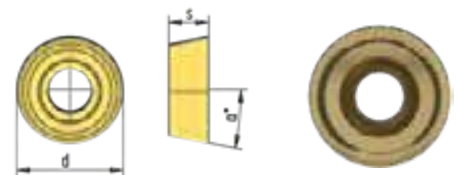
45°.



| Art. | Dimensions | d | l | S | d1 | a° | Pack |
|-------------|------------|----------|---------|---------|---------|----|------|
| ONMX120520A | 12 mm | 12.70 mm | 1.50 mm | 5.56 mm | 6.00 mm | - | 10 |

RDHTX
MILLING INSERTS


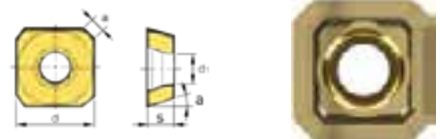
| Art. | Dimensions | d | S | a° | Pack |
|--------------|------------|-------|---------|-----|------|
| RDHT10T3M0-N | 10 mm | 10 mm | 3.97 mm | 15° | 10 |

RPMTX
MILLING INSERTS


| Art. | Dimensions | d | S | a° | Pack |
|-----------|------------|-------|---------|-----|------|
| RPMT1204N | 12 mm | 12 mm | 4.76 mm | 11° | 10 |

SEHTX
MILLING INSERTS

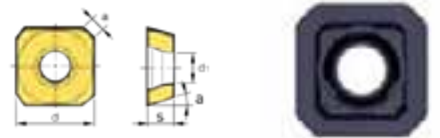
45°.



| Art. | Dimensions | d | a | S | d1 | a° | Pack |
|----------------|------------|----------|---------|---------|---------|-----|------|
| SEHT1204AFN234 | 12 mm | 12.70 mm | 1.80 mm | 4.76 mm | 5.50 mm | 20° | 10 |

SEHTXA
MILLING INSERTS

45°.



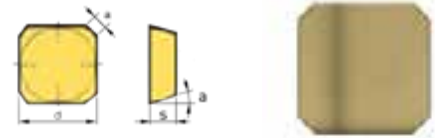
| Art. | Dimensions | d | a | S | d1 | a° | Pack |
|----------------|------------|----------|---------|---------|---------|-----|------|
| SEHT1204AFN20A | 12 mm | 12.70 mm | 1.80 mm | 4.76 mm | 5.50 mm | 20° | 10 |



SEKNX

MILLING INSERTS

45°.

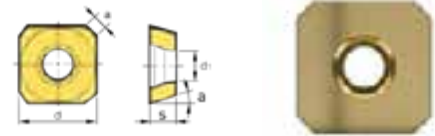


| Art. | Dimensions | d | a | S | a° | Pack |
|---------------|------------|----------|---------|---------|-----|------|
| SEKN1203AFN25 | 12 mm | 12.70 mm | 1.80 mm | 3.18 mm | 20° | 10 |

SEHXX

MILLING INSERTS

45°.

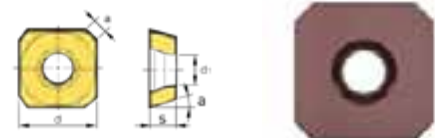


| Art. | Dimensions | d | a | S | d1 | a° | Pack |
|-------------|------------|----------|---------|---------|---------|-----|------|
| SEHX1204234 | 12 mm | 12.70 mm | 1.80 mm | 4.76 mm | 5.50 mm | 20° | 10 |

SEHXXA

MILLING INSERTS

45°.



| Art. | Dimensions | d | a | S | d1 | a° | Pack |
|-------------|------------|----------|---------|---------|---------|-----|------|
| SEHX120420A | 12 mm | 12.70 mm | 1.80 mm | 4.76 mm | 5.50 mm | 20° | 10 |

SNMXX

MILLING INSERTS

45°



| Art. | Dimensions | d | a | S | d1 | a° | Pack |
|-------------|------------|----------|---------|---------|---------|----|------|
| SNMX120520A | 12 mm | 12.70 mm | 1.80 mm | 5.56 mm | 6.00 mm | - | 10 |

SPKNX

MILLING INSERTS

45°



| Art. | Dimensions | l | a | S | a° | Pack |
|-------------|------------|---------|---------|---------|-----|------|
| SPKN1203R25 | 12 mm | 12.7 mm | 1.40 mm | 3.18 mm | 11° | 10 |

TPKNX

MILLING INSERTS

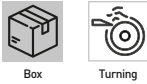
45°



| Art. | Dimensions | d | l | a | S | a° | Pack |
|-------------|------------|----------|----------|---------|---------|-----|------|
| TPKN1603R25 | 16 mm | 9.52 mm | 16.50 mm | 1.47 mm | 3.18 mm | 11° | 10 |
| TPKN2204R25 | 22 mm | 12.70 mm | 22.00 mm | 1.47 mm | 4.76 mm | 11° | 10 |

16IRX
INTERNAL THREAD INSERTS

ISO 9



| Art. | Thread | Pack |
|---------------|-----------------------|------|
| 11IRA55134 | Whitworth 28 - 11 TPI | 10 |
| 11IRA60134 | Metric 0.2 - 3 mm | 10 |
| 16IR100ISO134 | P. Metric 1 mm | 10 |
| 16IR125ISO134 | P. Metric 1.25 mm | 10 |
| 16IR150ISO134 | P. Metric 1.50 mm | 10 |
| 16IR175ISO134 | P. Metric 1.75 mm | 10 |
| 16IR200ISO134 | P. Metric 2.00 mm | 10 |
| 16IR250ISO134 | P. Metric 2.50 mm | 10 |
| 16IR300ISO134 | P. Metric 3.00 mm | 10 |
| 16IRAG60134 | Metric 0.2 - 3 mm | 10 |
| 16IR14W134 | Whitworth 14 TPI | 10 |
| 16IR11W134 | Whitworth 11 TPI | 10 |
| 16IRAG55134 | Whitworth 28 - 11 TPI | 10 |

GCMX
CUTTING INSERTS

ISO 6



| Art. | d | r | Pack |
|-----------|---------|---------|------|
| GCMX2N134 | 2.20 mm | 0.20 mm | 10 |
| GCMX3N134 | 3.10 mm | 0.20 mm | 10 |
| GCMX4N134 | 4.10 mm | 0.20 mm | 10 |
| GCMX5N134 | 5.10 mm | 0.30 mm | 10 |

165X
GROOVE INSERTS


| Art. | Thickness | Pack |
|-----------|-----------|------|
| 165110134 | 1.10 mm | 10 |
| 165130134 | 1.30 mm | 10 |
| 165160134 | 1.60 mm | 10 |
| 165185134 | 1.85 mm | 10 |
| 165215134 | 2.15 mm | 10 |
| 165265134 | 2.65 mm | 10 |
| 165315134 | 3.15 mm | 10 |

16ERX
EXTERNAL THREAD INSERTS


| Art. | Thread | Pack |
|---------------|-----------------------|------|
| 16ER100ISO134 | P. Metric 1 mm | 10 |
| 16ER125ISO134 | P. Metric 1.25 mm | 10 |
| 16ER150ISO134 | P. Metric 1.50 mm | 10 |
| 16ER175ISO134 | P. Metric 1.75 mm | 10 |
| 16ER200ISO134 | P. Metric 2.00 mm | 10 |
| 16ER250ISO134 | P. Metric 2.50 mm | 10 |
| 16ER300ISO134 | P. Metric 3.00 mm | 10 |
| 16ERAG60134 | Metric 0.2 - 3 mm | 10 |
| 16ER14W134 | Whitworth 14 TPI | 10 |
| 16ER11W134 | Whitworth 11 TPI | 10 |
| 16ERAG55134 | Whitworth 28 - 11 TPI | 10 |

GCMXA
CUTTING INSERTS

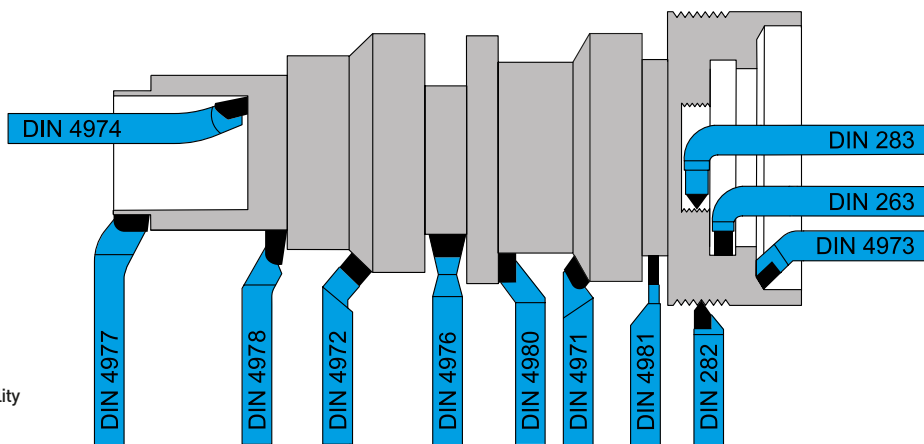
ISO 2



| Art. | d | r | Pack |
|-----------|---------|---------|------|
| GCMX2N20A | 2.20 mm | 0.20 mm | 10 |
| GCMX3N20A | 3.10 mm | 0.20 mm | 10 |
| GCMX4N20A | 4.10 mm | 0.20 mm | 10 |
| GCMX5N20A | 5.10 mm | 0.30 mm | 10 |

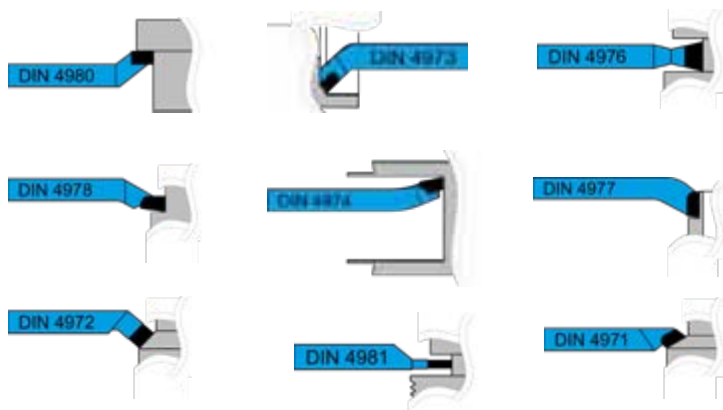


FERVI CARBIDE TIPPED LATHE IDENTIFICATION



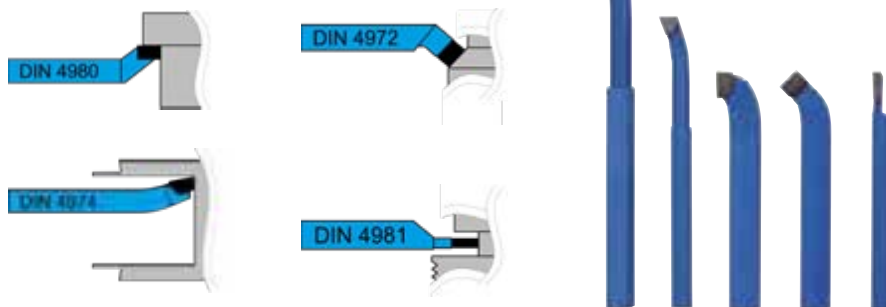
Explore our wide selection of brazed with heat-welded inserts and select the most suitable model based on the specific processing you need to perform. With our comprehensive range, we guarantee versatile, high-quality solutions to meet your needs.

BR10- CARBIDE TIPPED LATHE TOOL SET NEW



| Art. | Dimensions |
|---------|--|
| BR10/10 | 10 x 10 x L150 mm (ISO 8 DIN 4973, ISO 9 DIN 4974) 10 x 10 x L90 mm (ISO 1 DIN 4971, ISO 2 DIN 4972, ISO 6R DIN 4980, ISO 6L DIN 4980, ISO 7 DIN 4981) 6 x 10 x L90 mm (ISO 3R DIN 4978, ISO 4 DIN 4976, ISO 5 DIN 4977) |
| BR10/12 | 12 x 12 x L180 mm (ISO 8 DIN 4973, ISO 9 DIN 4974) 12 x 12 x L100 mm (ISO 1 DIN 4971, ISO 2 DIN 4972, ISO 6R DIN 4980, ISO 6L DIN 4980) 8 x 12 x L100 mm (ISO 3R DIN 4978, ISO 4 DIN 4976, ISO 5 DIN 4977, ISO 7 DIN 4981) |

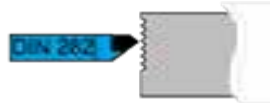
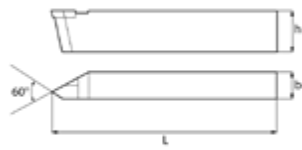
B005- CARBIDE TIPPED LATHE TOOL SET



| Art. | Kit |
|---------|---|
| B005 | 1BRAS411108RP - 1BRAS411110RP - 1BRAS410312RP - 1BRAS410412RP - 1BRAS410912RP |
| B005/16 | 1BRAS411110RP - 1BRAS411112RP - 1BRAS410316RP - 1BRAS410416RP - 1BRAS410916RP |
| B005/20 | 1BRAS411112RP - 1BRAS411116RP - 1BRAS410320RP - 1BRAS410420RP - 1BRAS410920RP |

BRFEX
CARBIDE TIPPED TOOL FOR EXTERNAL THREAD

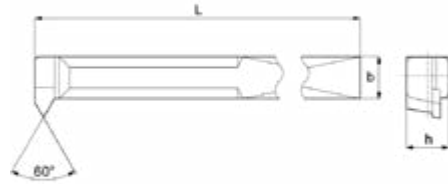
For the execution of all external 60° threads.



| Art. | L | b | h |
|----------|--------|-------|-------|
| BRFE12RP | 90 mm | 12 mm | 12 mm |
| BRFE16RP | 100 mm | 16 mm | 16 mm |
| BRFE20RP | 125 mm | 20 mm | 20 mm |
| BRFE25RP | 140 mm | 25 mm | 25 mm |

BRFIX
CARBIDE TIPPED TOOL FOR INTERNAL THREAD

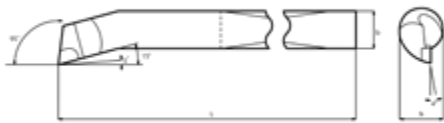
For the execution of all internal 60° threads.



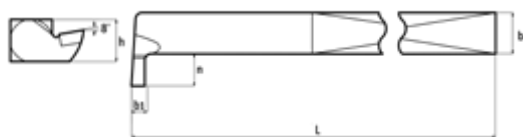
| Art. | L | b | h |
|----------|--------|-------|-------|
| BRFI10RP | 150 mm | 10 mm | 10 mm |
| BRFI12RP | 180 mm | 12 mm | 12 mm |
| BRFI16RP | 210 mm | 16 mm | 16 mm |
| BRFI20RP | 250 mm | 20 mm | 20 mm |
| BRFI25RP | 300 mm | 25 mm | 25 mm |

BRAS4111X
CARBIDE TIPPED TOOL FOR BLIND HOLES

ISO 9



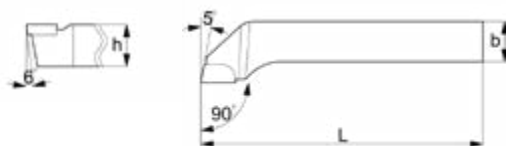
| Art. | L | b | h |
|--------------|--------|-------|-------|
| BRAS411108RP | 125 mm | 8 mm | 8 mm |
| BRAS411110RP | 150 mm | 10 mm | 10 mm |
| BRAS411112RP | 180 mm | 12 mm | 12 mm |
| BRAS411116RP | 210 mm | 16 mm | 16 mm |
| BRAS411120RP | 250 mm | 20 mm | 20 mm |
| BRAS411125RP | 300 mm | 25 mm | 25 mm |
| BRAS411132RP | 355 mm | 32 mm | 32 mm |

BRCIX
CARBIDE TIPPED TOOL FOR INTERNAL SLOTS


| Art. | L | b | h | b1 | N |
|----------|--------|-------|-------|------|-------|
| BRCI10RP | 150 mm | 10 mm | 10 mm | 3 mm | 8 mm |
| BRCI12RP | 180 mm | 12 mm | 12 mm | 4 mm | 10 mm |
| BRCI16RP | 210 mm | 16 mm | 16 mm | 5 mm | 12 mm |
| BRCI20RP | 210 mm | 20 mm | 20 mm | 6 mm | 16 mm |
| BRCI25RP | 300 mm | 25 mm | 25 mm | 8 mm | 20 mm |

BRAS4104X
CARBIDE TIPPED TOOL FOR FACING

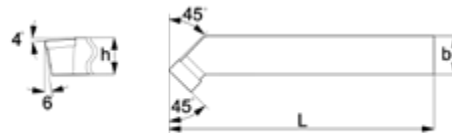
ISO 6



| Art. | L | b | h |
|--------------|--------|-------|-------|
| BRAS410410LP | 90 mm | 10 mm | 10 mm |
| BRAS410410RP | 90 mm | 10 mm | 10 mm |
| BRAS410412LP | 100 mm | 12 mm | 12 mm |
| BRAS410412RP | 100 mm | 12 mm | 12 mm |
| BRAS410416LP | 110 mm | 16 mm | 16 mm |
| BRAS410416RP | 110 mm | 16 mm | 16 mm |
| BRAS410420LP | 125 mm | 20 mm | 20 mm |
| BRAS410420RP | 125 mm | 20 mm | 20 mm |
| BRAS410425RP | 140 mm | 25 mm | 25 mm |

BRAS4103X
CARBIDE TIPPED TOOL FOR OUTSIDE ROUGHING

ISO 2



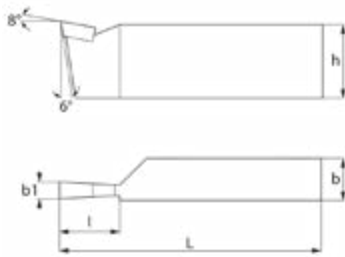
| Art. | L | b | h |
|--------------|--------|-------|-------|
| BRAS410310RP | 90 mm | 10 mm | 10 mm |
| BRAS410312LP | 100 mm | 12 mm | 12 mm |
| BRAS410312RP | 100 mm | 12 mm | 12 mm |
| BRAS410316LP | 110 mm | 16 mm | 16 mm |
| BRAS410316RP | 110 mm | 16 mm | 16 mm |
| BRAS410320LP | 125 mm | 20 mm | 20 mm |
| BRAS410320RP | 125 mm | 20 mm | 20 mm |
| BRAS410325RP | 140 mm | 25 mm | 25 mm |



BRAS4109X

CARBIDE TIPPED TOOL FOR CUTTING OFF

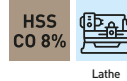
ISO 7



| Art. | L | l | b | h | b1 |
|--------------|--------|-------|-------|-------|--------|
| BRAS410912RP | 100 mm | 12 mm | 8 mm | 12 mm | 3 mm |
| BRAS410916RP | 110 mm | 14 mm | 10 mm | 16 mm | 3,5 mm |
| BRAS410920RP | 125 mm | 16 mm | 12 mm | 20 mm | 5 mm |
| BRAS410925RP | 140 mm | 20 mm | 16 mm | 25 mm | 6 mm |

B012-

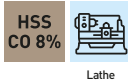
HARDENED AND GROUNDED TOOL BITS



| Art. | ø | Length | Tolerance |
|---------|-------|--------|-----------|
| B012/04 | 4 mm | 200 mm | h9 |
| B012/05 | 5 mm | 200 mm | h9 |
| B012/06 | 6 mm | 200 mm | h9 |
| B012/08 | 8 mm | 200 mm | h9 |
| B012/10 | 10 mm | 200 mm | h9 |
| B012/12 | 12 mm | 200 mm | h9 |
| B012/13 | 13 mm | 135 mm | h9 |
| B012/16 | 16 mm | 200 mm | h9 |
| B012/20 | 20 mm | 200 mm | h9 |

B013-

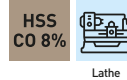
HARDENED AND GROUNDED TOOL BITS



| Art. | Sides dimension | Length | Tolerance |
|------------|-----------------|--------|-----------|
| B013/04X04 | 4 x 4 mm | 200 mm | h13 |
| B013/05X05 | 5 x 5 mm | 200 mm | h13 |
| B013/06X06 | 6 x 6 mm | 200 mm | h13 |
| B013/08X08 | 8 x 8 mm | 200 mm | h13 |
| B013/10X10 | 10 x 10 mm | 200 mm | h13 |
| B013/12X12 | 12 x 12 mm | 200 mm | h13 |
| B013/14X14 | 14 x 14 mm | 200 mm | h13 |
| B013/16X16 | 16 x 16 mm | 200 mm | h13 |
| B013/20X20 | 20 x 20 mm | 200 mm | h13 |

B014-







HARDENED AND GROUNDED TOOL BITS



| Art. | Sides dimension | Length | Tolerance |
|------------|-----------------|--------|-----------|
| B014/20X04 | 20 x 04 mm | 200 mm | h13 |
| B014/20X05 | 20 x 05 mm | 200 mm | h13 |
| B014/20X06 | 20 x 06 mm | 200 mm | h13 |
| B014/20X08 | 20 x 08 mm | 200 mm | h13 |
| B014/20X10 | 20 x 10 mm | 200 mm | h13 |
| B014/20X12 | 20 x 12 mm | 200 mm | h13 |
| B014/25X06 | 25 x 06 mm | 200 mm | h13 |



TYPES OF MATERIAL USED IN THE CONSTRUCTION OF HELICAL TIPS

| | Type | Description | Duration | Processable metals |
|----------|--|--|----------|---|
| HSS |  ST1Ax | HSS, High Speed Steel, is the most common of all metal tool steels. A tool made of HSS has high hardness and good strength. | ** | Alloy and non-alloy steels, non-ferrous metals, grey and malleable cast iron, sintered iron |
| |  P023- | | | |
| |  ST2Ax | | | |
| HSS-TiN |  P058- | The titanium coating, carried out to a HSS tool forms a harder and stronger alloy. This leads to a drill capable of machining the same materials as HSS but with much reduced cutting edge wear. | **** | Alloy and non-alloy steels, non-ferrous metals, malleable cast iron, sintered iron |
| HSS-Co5% |  P065- | Cobalt, added to a steel tool such as HSS - in this case 5% - gives strength and resistance and increases the hardness of the tool itself. Cobalt retains its properties at a higher temperature than titanium, which makes it possible to drill at a higher speed and under more critical conditions. | ***** | Hard and treated steels, stainless steels, chrome-nickel, cast iron and bronze |
| HSS-Co8% |  P064- | Cobalt, added to a steel tool such as HSS - in this case 8% - gives strength and resistance and increases the hardness of the tool itself. Cobalt retains its properties at a higher temperature than titanium, which makes it possible to drill at a higher speed and under more critical conditions. | ***** | Hard and treated steels, stainless steels, chrome-nickel, cast iron and bronze |

DRILLING PARAMETERS BY MATERIAL TYPE HSS, HSS-CO5% AND HSS-CO8% DRILL TIPS

| Materials to be processed | Tip type | Peripheral speed Vc (m/min) | Tip diameter | | | | Coolant |
|---|----------|-------------------------------|----------------------|------|------|------|-----------------|
| | | | 2 | 5 | 8 | 12 | |
| | | | Feed (mm/revolution) | | | | |
| Non-alloy structural steel R<600N/mm2 | HSS | 20 - 25 | 0,05 | 0,12 | 0,20 | 0,25 | Emulsion |
| | HSS-Tin | 25 - 30 | | | | | |
| Low alloy construction steel R< 700÷900N/mm2 | HSS | 10 - 12 | 0,03 | 0,07 | 0,10 | 0,16 | Emulsion |
| | HSS-Tin | 15 - 18 | | | | | |
| Alloy steel R< 1100÷1300N/mm2 | HSS | 6 - 8 | 0,02 | 0,05 | 0,08 | 0,12 | Emulsion |
| | HSS-Tin | 8 - 10 | | | | | |
| Stainless steel | Hss-Co5% | 6 - 8 | 0,02 | 0,05 | 0,08 | 0,12 | Emulsion |
| | Hss-Co8% | 8 - 10 | | | | | |
| Grey Cast Iron 200HB | HSS | 15 - 20 | 0,02 | 0,12 | 0,20 | 0,25 | No refriger. |
| | HSS-Tin | 20 - 25 | | | | | |
| Grey Cast Iron 350HB | HSS | 5 - 10 | 0,03 | 0,07 | 0,10 | 0,16 | No refriger. |
| | HSS-Tin | 20 - 25 | | | | | |
| Bronze | HSS | 20 - 30 | 0,05 | 0,08 | 0,14 | 0,20 | Emulsion or Oil |
| Brass | HSS | 40 - 70 | 0,06 | 0,16 | 0,22 | 0,32 | |
| Aluminium | HSS | 40 - 80 | 0,05 | 0,14 | 0,18 | 0,22 | Emulsion |
| Aluminium alloys | HSS | 30 - 60 | 0,05 | 0,14 | 0,18 | 0,22 | |



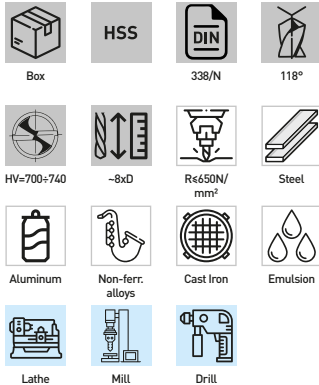
THEORETICAL NUMBER OF RPM FOR THE USE OF HELICAL TIPS ACCORDING TO THE CHOSEN V_c

| \varnothing | Cutting speed V_c (mt/min) | | | | | | | | | | | | | | | | | |
|---------------|--|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|
| | 3 | 4 | 5 | 6 | 8 | 10 | 12 | 15 | 18 | 20 | 25 | 30 | 35 | 40 | 50 | 60 | 70 | 80 |
| (mm) | Number of revolutions per minute (rpm) | | | | | | | | | | | | | | | | | |
| 2 | 478 | 637 | 796 | 955 | 1274 | 1592 | 1911 | 2389 | 2866 | 3185 | 3981 | 4777 | 5573 | 6369 | 7962 | 9554 | 11146 | 12739 |
| 3 | 318 | 425 | 531 | 637 | 849 | 1062 | 1274 | 1592 | 1911 | 2123 | 2654 | 3185 | 3715 | 4246 | 5308 | 6369 | 7431 | 8493 |
| 4 | 239 | 318 | 398 | 478 | 637 | 796 | 955 | 1194 | 1433 | 1592 | 1990 | 2389 | 2787 | 3185 | 3981 | 4777 | 5573 | 6369 |
| 5 | 191 | 255 | 318 | 382 | 510 | 637 | 764 | 955 | 1146 | 1274 | 1592 | 1911 | 2229 | 2548 | 3185 | 3822 | 4459 | 5096 |
| 6 | 159 | 212 | 265 | 318 | 425 | 531 | 637 | 796 | 955 | 1062 | 1327 | 1592 | 1858 | 2123 | 2654 | 3185 | 3715 | 4246 |
| 8 | 119 | 159 | 199 | 239 | 318 | 398 | 478 | 597 | 717 | 796 | 995 | 1194 | 1393 | 1592 | 1990 | 2389 | 2787 | 3185 |
| 10 | 96 | 127 | 159 | 191 | 255 | 318 | 382 | 478 | 573 | 637 | 796 | 955 | 1115 | 1274 | 1592 | 1911 | 2229 | 2548 |
| 12 | 80 | 106 | 133 | 159 | 212 | 265 | 318 | 398 | 478 | 531 | 663 | 796 | 929 | 1062 | 1327 | 1592 | 1858 | 2123 |



ST1AX
STRAIGHT SHANK TWIST DRILL

10 mm reduced shank rolled twist drill, right hand, black finish.



| Art. | ∅ | L | l | Pack |
|-----------|----------|--------|--------|------|
| ST1A01 | 1,00 mm | 34 mm | 12 mm | 10 |
| ST1A01.25 | 1,25 mm | 38 mm | 16 mm | 10 |
| ST1A01.50 | 1,50 mm | 40 mm | 18 mm | 10 |
| ST1A01.75 | 1,75 mm | 46 mm | 22 mm | 10 |
| ST1A02 | 2,00 mm | 49 mm | 24 mm | 10 |
| ST1A02.25 | 2,25 mm | 53 mm | 27 mm | 10 |
| ST1A02.50 | 2,50 mm | 57 mm | 30 mm | 10 |
| ST1A02.75 | 2,75 mm | 61 mm | 33 mm | 10 |
| ST1A03 | 3,00 mm | 61 mm | 33 mm | 10 |
| ST1A03.25 | 3,25 mm | 65 mm | 36 mm | 10 |
| ST1A03.50 | 3,50 mm | 70 mm | 39 mm | 10 |
| ST1A03.75 | 3,75 mm | 70 mm | 39 mm | 10 |
| ST1A04 | 4,00 mm | 75 mm | 43 mm | 10 |
| ST1A04.25 | 4,25 mm | 75 mm | 43 mm | 10 |
| ST1A04.50 | 4,50 mm | 80 mm | 47 mm | 10 |
| ST1A04.75 | 4,75 mm | 80 mm | 47 mm | 10 |
| ST1A05 | 5,00 mm | 86 mm | 52 mm | 10 |
| ST1A05.25 | 5,25 mm | 86 mm | 52 mm | 10 |
| ST1A05.50 | 5,50 mm | 93 mm | 57 mm | 10 |
| ST1A05.75 | 5,75 mm | 93 mm | 57 mm | 10 |
| ST1A06 | 6,00 mm | 93 mm | 57 mm | 10 |
| ST1A06.25 | 6,25 mm | 101 mm | 63 mm | 10 |
| ST1A06.50 | 6,50 mm | 101 mm | 63 mm | 10 |
| ST1A06.75 | 6,75 mm | 109 mm | 69 mm | 10 |
| ST1A07 | 7,00 mm | 109 mm | 69 mm | 10 |
| ST1A07.25 | 7,25 mm | 109 mm | 69 mm | 10 |
| ST1A07.50 | 7,50 mm | 109 mm | 69 mm | 10 |
| ST1A07.75 | 7,75 mm | 117 mm | 75 mm | 10 |
| ST1A08 | 8,00 mm | 117 mm | 75 mm | 10 |
| ST1A08.25 | 8,25 mm | 117 mm | 75 mm | 5 |
| ST1A08.50 | 8,50 mm | 117 mm | 75 mm | 5 |
| ST1A08.75 | 8,75 mm | 125 mm | 81 mm | 5 |
| ST1A09 | 9,00 mm | 125 mm | 81 mm | 5 |
| ST1A09.25 | 9,25 mm | 125 mm | 81 mm | 5 |
| ST1A09.50 | 9,50 mm | 125 mm | 81 mm | 5 |
| ST1A09.75 | 9,75 mm | 133 mm | 87 mm | 5 |
| ST1A10 | 10,00 mm | 133 mm | 87 mm | 5 |
| ST1A10.25 | 10,25 mm | 133 mm | 87 mm | 5 |
| ST1A10.50 | 10,50 mm | 133 mm | 87 mm | 5 |
| ST1A10.75 | 10,75 mm | 142 mm | 94 mm | 5 |
| ST1A11 | 11,00 mm | 142 mm | 94 mm | 5 |
| ST1A11.25 | 11,25 mm | 142 mm | 94 mm | 5 |
| ST1A11.50 | 11,50 mm | 142 mm | 94 mm | 5 |
| ST1A11.75 | 11,75 mm | 142 mm | 94 mm | 5 |
| ST1A12 | 12,00 mm | 151 mm | 101 mm | 5 |
| ST1A12.25 | 12,25 mm | 151 mm | 101 mm | 5 |
| ST1A12.50 | 12,50 mm | 151 mm | 101 mm | 5 |
| ST1A12.75 | 12,75 mm | 151 mm | 101 mm | 5 |
| ST1A13 | 13,00 mm | 151 mm | 101 mm | 5 |

P046
TWIST DRILL SET

Right hand, black finish.



Size (step 0,5 mm)

1 ÷ 13 mm

P045
TWIST DRILL SET

Right hand, black finish.



Size (step 0,5 mm)

1÷10 mm

ST1AXC
STRAIGHT SHANK TWIST DRILL

Rolled, right hand, short length, black finish.



| Art. | ∅ | L | l | Pack |
|------------|---------|-------|-------|------|
| ST1A02.00C | 2,00 mm | 38 mm | 12 mm | 10 |
| ST1A02.50C | 2,50 mm | 43 mm | 14 mm | 10 |
| ST1A03.00C | 3,00 mm | 46 mm | 16 mm | 10 |
| ST1A03.25C | 3,25 mm | 49 mm | 18 mm | 10 |
| ST1A03.50C | 3,50 mm | 52 mm | 20 mm | 10 |
| ST1A03.75C | 3,75 mm | 52 mm | 20 mm | 10 |
| ST1A04.00C | 4,00 mm | 55 mm | 22 mm | 10 |
| ST1A04.25C | 4,25 mm | 55 mm | 22 mm | 10 |
| ST1A04.50C | 4,50 mm | 58 mm | 24 mm | 10 |
| ST1A05.00C | 5,00 mm | 62 mm | 26 mm | 10 |
| ST1A05.50C | 5,50 mm | 66 mm | 28 mm | 10 |
| ST1A06.00C | 6,00 mm | 66 mm | 28 mm | 10 |



ST1AXR10

STRAIGHT SHANK TWIST DRILL

10 mm reduced shank rolled twist drill, right hand, black finish.



| Art. | Ø | L | l | Pack |
|--------------|----------|--------|--------|------|
| ST1A10.25R10 | 10,25 mm | 133 mm | 87 mm | 5 |
| ST1A10.50R10 | 10,5 mm | 133 mm | 87 mm | 5 |
| ST1A10.75R10 | 10,75 mm | 142 mm | 94 mm | 5 |
| ST1A11.00R10 | 11,00 mm | 142 mm | 94 mm | 5 |
| ST1A11.25R10 | 11,25 mm | 142 mm | 94 mm | 5 |
| ST1A11.50R10 | 11,5 mm | 142 mm | 94 mm | 5 |
| ST1A11.75R10 | 11,75 mm | 142 mm | 94 mm | 5 |
| ST1A12.00R10 | 12 mm | 151 mm | 101 mm | 5 |
| ST1A12.25R10 | 12,25 mm | 151 mm | 101 mm | 5 |
| ST1A12.50R10 | 12,50 mm | 151 mm | 101 mm | 5 |
| ST1A12.75R10 | 12,75 mm | 151 mm | 101 mm | 5 |
| ST1A13.00R10 | 13 mm | 151 mm | 101 mm | 5 |
| ST1A13.25R10 | 13,25 mm | 160 mm | 108 mm | 5 |
| ST1A13.50R10 | 13,5 mm | 160 mm | 108 mm | 5 |
| ST1A13.75R10 | 13,75 mm | 160 mm | 108 mm | 5 |
| ST1A14.00R10 | 14,00 mm | 160 mm | 108 mm | 5 |
| ST1A14.25R10 | 14,25 mm | 169 mm | 114 mm | 5 |
| ST1A14.50R10 | 14,5 mm | 169 mm | 114 mm | 5 |
| ST1A14.75R10 | 14,75 mm | 169 mm | 114 mm | 5 |
| ST1A15.00R10 | 15 mm | 169 mm | 114 mm | 5 |
| ST1A15.25R10 | 15,25 mm | 178 mm | 120 mm | 5 |
| ST1A15.50R10 | 15,50 mm | 178 mm | 120 mm | 5 |
| ST1A15.75R10 | 15,75 mm | 178 mm | 120 mm | 5 |
| ST1A16.00R10 | 16 mm | 178 mm | 120 mm | 5 |

ST1AXR13

STRAIGHT SHANK TWIST DRILL

13 mm reduced shank rolled twist drill, right hand, black finish.



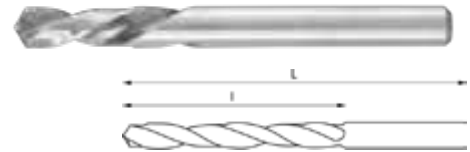
| Art. | Ø | L | l | Pack |
|--------------|----------|--------|--------|------|
| ST1A13.25R13 | 13,25 mm | 160 mm | 108 mm | 5 |
| ST1A13.50R13 | 13,50 mm | 160 mm | 108 mm | 5 |
| ST1A13.75R13 | 13,75 mm | 160 mm | 108 mm | 5 |
| ST1A14.00R13 | 14,00 mm | 160 mm | 108 mm | 5 |
| ST1A14.25R13 | 14,25 mm | 169 mm | 114 mm | 5 |
| ST1A14.50R13 | 14,50 mm | 169 mm | 114 mm | 5 |
| ST1A14.75R13 | 14,75 mm | 169 mm | 114 mm | 5 |
| ST1A15.00R13 | 15,00 mm | 169 mm | 114 mm | 5 |
| ST1A15.25R13 | 15,25 mm | 178 mm | 120 mm | 5 |
| ST1A15.50R13 | 15,50 mm | 178 mm | 120 mm | 5 |
| ST1A15.75R13 | 15,75 mm | 178 mm | 120 mm | 5 |
| ST1A16.00R13 | 16,00 mm | 178 mm | 120 mm | 5 |



P023-XC

DRILL BIT CYLINDRICAL SHORT SERIES

Right hand, rectified.



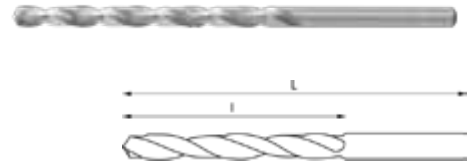
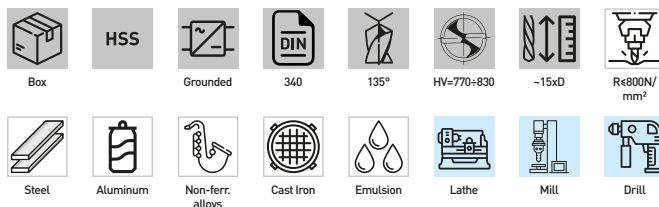
| Art. | ∅ | L | l | Pack |
|-------------|---------|-------|-------|------|
| P023/03.00C | 3,00 mm | 46 mm | 16 mm | 10 |
| P023/03.25C | 3,25 mm | 49 mm | 18 mm | 10 |
| P023/03.50C | 3,50 mm | 52 mm | 20 mm | 10 |
| P023/03.75C | 3,75 mm | 52 mm | 20 mm | 10 |
| P023/04.00C | 4,00 mm | 55 mm | 22 mm | 10 |

| Art. | ∅ | L | l | Pack |
|-------------|---------|-------|-------|------|
| P023/04.25C | 4,25 mm | 55 mm | 22 mm | 10 |
| P023/04.50C | 4,50 mm | 58 mm | 24 mm | 10 |
| P023/05.00C | 5,00 mm | 62 mm | 26 mm | 10 |
| P023/05.50C | 5,50 mm | 66 mm | 28 mm | 10 |
| P023/06.00C | 6,00 mm | 66 mm | 28 mm | 10 |

P023-XL

LONG TYPE STRAIGHT SHANK TWIST DRILL

Right hand, rectified.



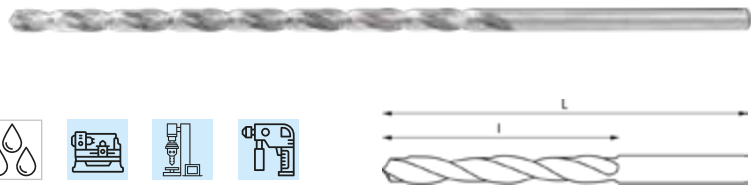
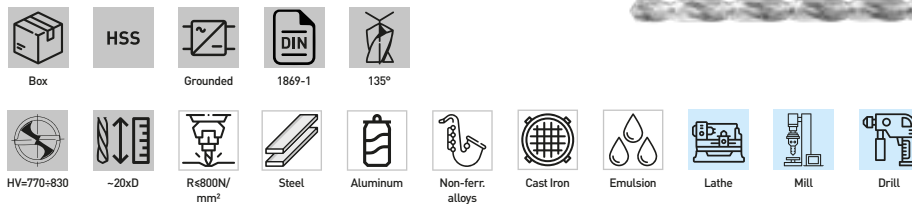
| Art. | ∅ | L | l | Pack |
|-------------|---------|--------|-------|------|
| P023/01.00L | 1,00 mm | 56 mm | 33 mm | 10 |
| P023/01.25L | 1,25 mm | 65 mm | 40 mm | 10 |
| P023/01.50L | 1,50 mm | 70 mm | 45 mm | 10 |
| P023/01.75L | 1,75 mm | 80 mm | 53 mm | 10 |
| P023/02.00L | 2,00 mm | 85 mm | 56 mm | 10 |
| P023/02.25L | 2,25 mm | 90 mm | 59 mm | 10 |
| P023/02.50L | 2,50 mm | 95 mm | 62 mm | 10 |
| P023/02.75L | 2,75 mm | 100 mm | 66 mm | 10 |
| P023/03.00L | 3,00 mm | 100 mm | 66 mm | 10 |
| P023/03.25L | 3,25 mm | 106 mm | 69 mm | 10 |
| P023/03.50L | 3,50 mm | 112 mm | 73 mm | 10 |
| P023/03.75L | 3,75 mm | 112 mm | 73 mm | 10 |
| P023/04.00L | 4,00 mm | 119 mm | 78 mm | 10 |
| P023/04.25L | 4,25 mm | 119 mm | 78 mm | 10 |
| P023/04.50L | 4,50 mm | 126 mm | 82 mm | 10 |
| P023/04.75L | 4,75 mm | 126 mm | 82 mm | 10 |
| P023/05.00L | 5,00 mm | 132 mm | 87 mm | 10 |
| P023/05.25L | 5,25 mm | 132 mm | 87 mm | 10 |
| P023/05.50L | 5,50 mm | 139 mm | 91 mm | 10 |
| P023/05.75L | 5,75 mm | 139 mm | 91 mm | 10 |
| P023/06.00L | 6,00 mm | 139 mm | 91 mm | 10 |
| P023/06.25L | 6,25 mm | 148 mm | 97 mm | 10 |

| Art. | ∅ | L | l | Pack |
|-------------|----------|--------|--------|------|
| P023/06.50L | 6,50 mm | 148 mm | 97 mm | 10 |
| P023/06.75L | 6,75 mm | 148 mm | 97 mm | 10 |
| P023/07.00L | 7,00 mm | 156 mm | 102 mm | 10 |
| P023/07.25L | 7,25 mm | 156 mm | 102 mm | 10 |
| P023/07.50L | 7,25 mm | 156 mm | 102 mm | 10 |
| P023/07.75L | 7,75 mm | 165 mm | 109 mm | 10 |
| P023/08.00L | 8,00 mm | 165 mm | 109 mm | 5 |
| P023/08.25L | 8,25 mm | 165 mm | 109 mm | 5 |
| P023/08.50L | 8,50 mm | 165 mm | 109 mm | 5 |
| P023/08.75L | 8,75 mm | 175 mm | 115 mm | 5 |
| P023/09.00L | 9,00 mm | 175 mm | 115 mm | 5 |
| P023/09.25L | 9,25 mm | 175 mm | 115 mm | 5 |
| P023/09.50L | 9,50 mm | 175 mm | 115 mm | 5 |
| P023/09.75L | 9,75 mm | 184 mm | 121 mm | 5 |
| P023/10.00L | 10,00 mm | 184 mm | 121 mm | 5 |
| P023/10.25L | 10,25 mm | 184 mm | 121 mm | 5 |
| P023/10.50L | 10,50 mm | 184 mm | 121 mm | 5 |
| P023/11.00L | 11,00 mm | 195 mm | 128 mm | 5 |
| P023/11.50L | 11,50 mm | 195 mm | 128 mm | 5 |
| P023/12.00L | 12,00 mm | 205 mm | 134 mm | 5 |
| P023/12.50L | 12,50 mm | 205 mm | 134 mm | 5 |
| P023/13.00L | 13,00 mm | 205 mm | 134 mm | 5 |

P023-XL1

EXTRA LONG SERIES CYLINDRICAL DRILL BIT

Right hand, rectified.



| Art. | ∅ | L | l |
|--------------|---------|--------|--------|
| P023/02.00L1 | 2,00 mm | 125 mm | 85 mm |
| P023/02.50L1 | 2,50 mm | 140 mm | 95 mm |
| P023/03.00L1 | 3,00 mm | 150 mm | 100 mm |
| P023/03.50L1 | 3,50 mm | 165 mm | 115 mm |
| P023/04.00L1 | 4,00 mm | 175 mm | 120 mm |
| P023/04.50L1 | 4,50 mm | 185 mm | 125 mm |
| P023/05.00L1 | 5,00 mm | 195 mm | 135 mm |
| P023/05.50L1 | 5,50 mm | 205 mm | 140 mm |
| P023/06.00L1 | 6,00 mm | 205 mm | 140 mm |
| P023/06.50L1 | 6,50 mm | 215 mm | 150 mm |
| P023/07.00L1 | 7,00 mm | 225 mm | 155 mm |
| P023/07.50L1 | 7,50 mm | 225 mm | 155 mm |

| Art. | ∅ | L | l |
|--------------|----------|--------|--------|
| P023/08.00L1 | 8,00 mm | 240 mm | 165 mm |
| P023/08.50L1 | 8,50 mm | 240 mm | 165 mm |
| P023/09.00L1 | 9,00 mm | 250 mm | 175 mm |
| P023/09.50L1 | 9,50 mm | 250 mm | 175 mm |
| P023/10.00L1 | 10,00 mm | 265 mm | 185 mm |
| P023/10.50L1 | 10,50 mm | 265 mm | 185 mm |
| P023/11.00L1 | 11,00 mm | 280 mm | 195 mm |
| P023/11.50L1 | 11,50 mm | 280 mm | 195 mm |
| P023/12.00L1 | 12,00 mm | 295 mm | 205 mm |
| P023/12.50L1 | 12,50 mm | 295 mm | 205 mm |
| P023/13.00L1 | 13,00 mm | 295 mm | 205 mm |

P023-XL2
EXTRA LONG SERIES CYLINDRICAL DRILL BIT

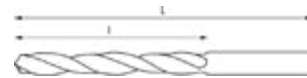
Right hand, rectified.



| Art. | ∅ | L | l |
|--------------|----------|--------|--------|
| P023/02.00L2 | 2,00 mm | 160 mm | 110 mm |
| P023/02.50L2 | 2,50 mm | 180 mm | 120 mm |
| P023/03.00L2 | 3,00 mm | 190 mm | 130 mm |
| P023/03.50L2 | 3,50 mm | 210 mm | 145 mm |
| P023/04.00L2 | 4,00 mm | 220 mm | 150 mm |
| P023/04.50L2 | 4,50 mm | 235 mm | 160 mm |
| P023/05.00L2 | 5,00 mm | 245 mm | 170 mm |
| P023/05.50L2 | 5,50 mm | 260 mm | 180 mm |
| P023/06.00L2 | 6,00 mm | 260 mm | 180 mm |
| P023/06.50L2 | 6,50 mm | 275 mm | 190 mm |
| P023/07.00L2 | 7,00 mm | 290 mm | 200 mm |
| P023/07.50L2 | 7,50 mm | 290 mm | 200 mm |
| P023/08.00L2 | 8,00 mm | 305 mm | 210 mm |
| P023/08.50L2 | 8,50 mm | 305 mm | 210 mm |
| P023/09.00L2 | 9,00 mm | 320 mm | 220 mm |
| P023/09.50L2 | 9,50 mm | 320 mm | 220 mm |
| P023/10.00L2 | 10,00 mm | 340 mm | 235 mm |
| P023/10.50L2 | 10,50 mm | 340 mm | 235 mm |
| P023/11.00L2 | 11,00 mm | 365 mm | 250 mm |
| P023/11.50L2 | 11,50 mm | 365 mm | 250 mm |
| P023/12.00L2 | 12,00 mm | 375 mm | 260 mm |
| P023/12.50L2 | 12,50 mm | 375 mm | 260 mm |
| P023/13.00L2 | 13,00 mm | 375 mm | 260 mm |

P023-XL3
EXTRA LONG SERIES CYLINDRICAL DRILL BIT

Right hand, rectified.



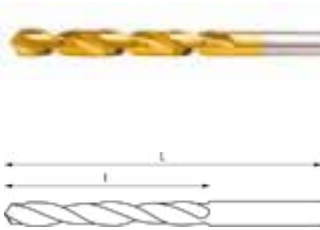
| Art. | ∅ | L | l |
|--------------|----------|--------|--------|
| P023/02.00L3 | 02,00 mm | 200 mm | 135 mm |
| P023/02.50L3 | 02,50 mm | 225 mm | 150 mm |
| P023/03.00L3 | 03,00 mm | 240 mm | 160 mm |
| P023/03.50L3 | 03,50 mm | 265 mm | 180 mm |
| P023/04.00L3 | 04,00 mm | 280 mm | 190 mm |
| P023/04.50L3 | 04,50 mm | 295 mm | 200 mm |
| P023/05.00L3 | 05,00 mm | 315 mm | 210 mm |
| P023/05.50L3 | 05,50 mm | 330 mm | 225 mm |
| P023/06.00L3 | 06,00 mm | 330 mm | 225 mm |
| P023/06.50L3 | 06,50 mm | 350 mm | 235 mm |
| P023/07.00L3 | 07,00 mm | 370 mm | 250 mm |
| P023/07.50L3 | 07,50 mm | 370 mm | 250 mm |
| P023/08.00L3 | 08,00 mm | 390 mm | 265 mm |
| P023/08.50L3 | 08,50 mm | 390 mm | 265 mm |
| P023/09.00L3 | 09,00 mm | 410 mm | 280 mm |
| P023/09.50L3 | 09,50 mm | 410 mm | 280 mm |
| P023/10.00L3 | 10,00 mm | 430 mm | 295 mm |
| P023/10.50L3 | 10,50 mm | 430 mm | 295 mm |
| P023/11.00L3 | 11,00 mm | 455 mm | 310 mm |
| P023/11.50L3 | 11,50 mm | 455 mm | 310 mm |
| P023/12.00L3 | 12,00 mm | 480 mm | 330 mm |
| P023/12.50L3 | 12,50 mm | 480 mm | 330 mm |
| P023/13.00L3 | 13,00 mm | 480 mm | 330 mm |



P058-

STRAIGHT SHANK TWIST DRILL

Right hand, long durability thanks to the titanium coating.



| Art. | Ø | L | l | Pack |
|------------|----------|--------|--------|------|
| P058/01.00 | 1 mm | 34 mm | 12 mm | 10 |
| P058/01.25 | 1,25 mm | 38 mm | 16 mm | 10 |
| P058/01.50 | 1,50 mm | 40 mm | 18 mm | 10 |
| P058/01.75 | 1,75 mm | 46 mm | 22 mm | 10 |
| P058/02.00 | 2 mm | 49 mm | 24 mm | 10 |
| P058/02.25 | 2,25 mm | 53 mm | 27 mm | 10 |
| P058/02.50 | 2,50 mm | 57 mm | 30 mm | 10 |
| P058/02.75 | 2,75 mm | 61 mm | 33 mm | 10 |
| P058/03.00 | 3 mm | 61 mm | 33 mm | 10 |
| P058/03.25 | 3,25 mm | 65 mm | 36 mm | 10 |
| P058/03.50 | 3,50 mm | 70 mm | 39 mm | 10 |
| P058/03.75 | 3,75 mm | 70 mm | 39 mm | 10 |
| P058/04.00 | 4 mm | 75 mm | 43 mm | 10 |
| P058/04.25 | 4,25 mm | 75 mm | 43 mm | 10 |
| P058/04.50 | 4,50 mm | 80 mm | 47 mm | 10 |
| P058/04.75 | 4,75 mm | 80 mm | 47 mm | 10 |
| P058/05.00 | 5 mm | 86 mm | 52 mm | 10 |
| P058/05.25 | 5,25 mm | 86 mm | 52 mm | 10 |
| P058/05.50 | 5,50 mm | 93 mm | 57 mm | 10 |
| P058/05.75 | 5,75 mm | 93 mm | 57 mm | 10 |
| P058/06.00 | 6 mm | 93 mm | 57 mm | 10 |
| P058/06.25 | 6,25 mm | 101 mm | 63 mm | 10 |
| P058/06.50 | 6,50 mm | 101 mm | 63 mm | 10 |
| P058/06.75 | 6,75 mm | 109 mm | 69 mm | 10 |
| P058/07.00 | 7 mm | 109 mm | 69 mm | 10 |
| P058/07.25 | 7,25 mm | 109 mm | 69 mm | 10 |
| P058/07.50 | 7,50 mm | 109 mm | 69 mm | 10 |
| P058/07.75 | 7,75 mm | 117 mm | 75 mm | 10 |
| P058/08.00 | 8 mm | 117 mm | 75 mm | 10 |
| P058/08.25 | 8,25 mm | 117 mm | 75 mm | 5 |
| P058/08.50 | 8,50 mm | 117 mm | 75 mm | 5 |
| P058/08.75 | 8,75 mm | 125 mm | 81 mm | 5 |
| P058/09.00 | 9 mm | 125 mm | 81 mm | 5 |
| P058/09.25 | 9,25 mm | 125 mm | 81 mm | 5 |
| P058/09.50 | 9,50 mm | 125 mm | 81 mm | 5 |
| P058/09.75 | 9,75 mm | 133 mm | 87 mm | 5 |
| P058/10.00 | 10 mm | 133 mm | 87 mm | 5 |
| P058/10.25 | 10,25 mm | 133 mm | 87 mm | 5 |
| P058/10.50 | 10,50 mm | 133 mm | 87 mm | 5 |
| P058/10.75 | 10,75 mm | 142 mm | 94 mm | 5 |
| P058/11.00 | 11 mm | 142 mm | 94 mm | 5 |
| P058/11.25 | 11,25 mm | 142 mm | 94 mm | 5 |
| P058/11.50 | 11,50 mm | 142 mm | 94 mm | 5 |
| P058/11.75 | 11,75 mm | 142 mm | 94 mm | 5 |
| P058/12.00 | 12 mm | 151 mm | 101 mm | 5 |
| P058/12.25 | 12,25 mm | 151 mm | 101 mm | 5 |
| P058/12.50 | 12,50 mm | 151 mm | 101 mm | 5 |
| P058/12.75 | 12,75 mm | 151 mm | 101 mm | 5 |
| P058/13.00 | 13 mm | 151 mm | 101 mm | 5 |

| | | | |
|------------|----------|------------|------------------|
| Box | HSS | Grounded | TiN |
| 338/N | 135° | HV=740-780 | -8xD |
| Rc700N/mm² | Steel | Aluminum | Non-ferr. alloys |
| Cast Iron | Emulsion | Lathe | Mill |

P058/170

TWIST DRILL SET

Right hand, long durability thanks to the titanium coating.



170 Pcs
150 (10x) Pcs (step 0,5 mm) Ø 1 ÷ 8 mm
20 (5x) Pcs (step 0,5 mm) Ø 8,5 ÷ 10 mm

P010/51

SERIES OF CYLINDRICAL TIPS TO THE TENTH

Right hand, long durability thanks to the titanium coating.



51 Pcs
Size (step 0,1 mm) 1 ÷ 6 mm

P010/41

SERIES OF CYLINDRICAL TIPS TO THE TENTH

Right hand, long durability thanks to the titanium coating.



41 Pcs
Size (step 0,1 mm) 6 ÷ 10 mm

P062

TWIST DRILL SET

Right hand, long durability thanks to the titanium coating.



25 Pcs
Size (step 0,5 mm) 1 ÷ 13 mm

P061

STRAIGHT SHANK TWIST DRILL SET

Right hand, long durability thanks to the titanium coating.



19 Pcs
Size (step 0,5 mm) 1 ÷ 10 mm

P068

TWIST DRILL SET

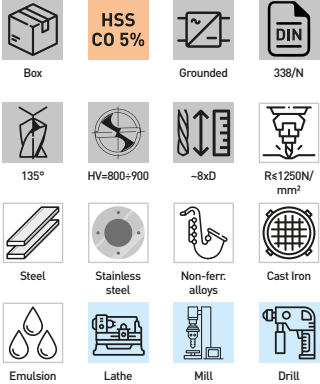
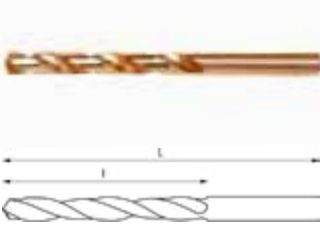
Right hand, long durability thanks to the titanium coating.



20 Pcs
Sizes x 1 Pc 0.25 - 0.30 - 0.35 - 0.40 - 0.45 - 0.55 - 0.65 - 0.70 - 0.75 - 0.85 - 0.90 - 0.95 mm
Sizes x Pcs 0.50 - 0.60 - 0.80 - 1.00 mm

P065-
COBALT CYLINDRICAL TWIST DRILL

Self-centering, right, with great thermal resistance.



| Art. | Ø | Total length | Flute length | Pack |
|------------|----------|--------------|--------------|------|
| P065/01.00 | 1 mm | 34 mm | 12 mm | 10 |
| P065/01.25 | 1,25 mm | 38 mm | 16 mm | 10 |
| P065/01.50 | 1,50 mm | 40 mm | 18 mm | 10 |
| P065/01.75 | 1,75 mm | 46 mm | 22 mm | 10 |
| P065/02.00 | 2 mm | 49 mm | 24 mm | 10 |
| P065/02.25 | 2,25 mm | 53 mm | 27 mm | 10 |
| P065/02.50 | 2,50 mm | 57 mm | 30 mm | 10 |
| P065/02.75 | 2,75 mm | 61 mm | 33 mm | 10 |
| P065/03.00 | 3 mm | 61 mm | 33 mm | 10 |
| P065/03.25 | 3,25 mm | 69 mm | 39 mm | 10 |
| P065/03.50 | 3,50 mm | 70 mm | 39 mm | 10 |
| P065/03.75 | 3,75 mm | 70 mm | 39 mm | 10 |
| P065/04.00 | 4 mm | 75 mm | 43 mm | 10 |
| P065/04.25 | 4,25 mm | 75 mm | 43 mm | 10 |
| P065/04.50 | 4,50 mm | 80 mm | 47 mm | 10 |
| P065/04.75 | 4,75 mm | 80 mm | 47 mm | 10 |
| P065/05.00 | 5 mm | 86 mm | 52 mm | 10 |
| P065/05.25 | 5,25 mm | 86 mm | 52 mm | 10 |
| P065/05.50 | 5,50 mm | 93 mm | 57 mm | 10 |
| P065/05.75 | 5,75 mm | 93 mm | 57 mm | 10 |
| P065/06.00 | 6 mm | 93 mm | 57 mm | 10 |
| P065/06.25 | 6,25 mm | 101 mm | 63 mm | 10 |
| P065/06.50 | 6,50 mm | 101 mm | 63 mm | 10 |
| P065/06.75 | 6,75 mm | 109 mm | 69 mm | 10 |
| P065/07.00 | 7 mm | 109 mm | 69 mm | 10 |
| P065/07.25 | 7,25 mm | 109 mm | 69 mm | 10 |
| P065/07.50 | 7,50 mm | 109 mm | 69 mm | 10 |
| P065/07.75 | 7,75 mm | 117 mm | 75 mm | 10 |
| P065/08.00 | 8 mm | 117 mm | 75 mm | 5 |
| P065/08.25 | 8,25 mm | 117 mm | 75 mm | 5 |
| P065/08.50 | 8,50 mm | 117 mm | 75 mm | 5 |
| P065/08.75 | 8,75 mm | 125 mm | 81 mm | 5 |
| P065/09.00 | 9 mm | 125 mm | 81 mm | 5 |
| P065/09.25 | 9,25 mm | 125 mm | 81 mm | 5 |
| P065/09.50 | 9,50 mm | 125 mm | 81 mm | 5 |
| P065/09.75 | 9,75 mm | 133 mm | 87 mm | 5 |
| P065/10.00 | 10 mm | 133 mm | 87 mm | 5 |
| P065/10.25 | 10,25 mm | 133 mm | 87 mm | 5 |
| P065/10.50 | 10,50 mm | 133 mm | 87 mm | 5 |
| P065/10.75 | 10,75 mm | 142 mm | 94 mm | 5 |
| P065/11.00 | 11 mm | 142 mm | 94 mm | 5 |
| P065/11.25 | 11,25 mm | 142 mm | 94 mm | 5 |
| P065/11.50 | 11,50 mm | 142 mm | 94 mm | 5 |
| P065/11.75 | 11,75 mm | 142 mm | 94 mm | 5 |
| P065/12.00 | 12 mm | 151 mm | 101 mm | 5 |
| P065/12.25 | 12,25 mm | 151 mm | 101 mm | 5 |
| P065/12.50 | 12,50 mm | 151 mm | 101 mm | 5 |
| P065/12.75 | 12,75 mm | 151 mm | 101 mm | 5 |
| P065/13.00 | 13 mm | 151 mm | 101 mm | 5 |

P067
COBALT TWIST DRILL SET

Self-centering, right, with great thermal resistance.



19 Pcs

Size (step 0,5 mm)

1 ÷ 10 mm

P069
COBALT TWIST DRILL SET

Self-centering, right, with great thermal resistance.



25 Pcs

Size (step 0,5 mm)

1 ÷ 13 mm

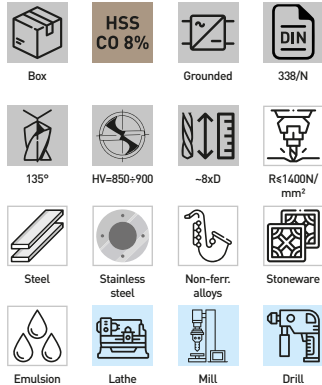
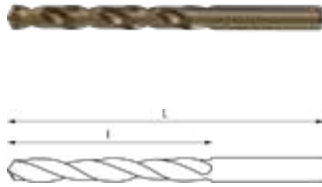




P064-

FULLY GROUND FROM THE SOLID TWIST DRILL

Self-centering, right, with great thermal resistance.



| Art. | ø | L | l | Pack |
|------------|----------|--------|--------|------|
| P064/01.00 | 01.00 mm | 34 mm | 12 mm | 10 |
| P064/01.25 | 01.25 mm | 38 mm | 16 mm | 10 |
| P064/01.50 | 01.50 mm | 40 mm | 18 mm | 10 |
| P064/01.75 | 01.75 mm | 46 mm | 22 mm | 10 |
| P064/02.00 | 02.00 mm | 49 mm | 24 mm | 10 |
| P064/02.25 | 02.25 mm | 53 mm | 27 mm | 10 |
| P064/02.50 | 02.50 mm | 57 mm | 30 mm | 10 |
| P064/02.75 | 02.75 mm | 61 mm | 33 mm | 10 |
| P064/03.00 | 03.00 mm | 61 mm | 33 mm | 10 |
| P064/03.25 | 03.25 mm | 69 mm | 39 mm | 10 |
| P064/03.50 | 03.50 mm | 70 mm | 39 mm | 10 |
| P064/03.75 | 03.75 mm | 70 mm | 39 mm | 10 |
| P064/04.00 | 04.00 mm | 75 mm | 43 mm | 10 |
| P064/04.25 | 04.25 mm | 75 mm | 43 mm | 10 |
| P064/04.50 | 04.50 mm | 80 mm | 47 mm | 10 |
| P064/04.75 | 04.75 mm | 80 mm | 47 mm | 10 |
| P064/05.00 | 05.00 mm | 86 mm | 52 mm | 10 |
| P064/05.25 | 05.25 mm | 86 mm | 52 mm | 10 |
| P064/05.50 | 05.50 mm | 93 mm | 57 mm | 10 |
| P064/05.75 | 05.75 mm | 93 mm | 57 mm | 10 |
| P064/06.00 | 06.00 mm | 93 mm | 57 mm | 10 |
| P064/06.25 | 06.25 mm | 101 mm | 63 mm | 10 |
| P064/06.50 | 06.50 mm | 101 mm | 63 mm | 10 |
| P064/06.75 | 06.75 mm | 109 mm | 69 mm | 10 |
| P064/07.00 | 07.00 mm | 109 mm | 69 mm | 10 |
| P064/07.25 | 07.25 mm | 109 mm | 69 mm | 10 |
| P064/07.50 | 07.50 mm | 109 mm | 69 mm | 10 |
| P064/07.75 | 07.75 mm | 117 mm | 75 mm | 10 |
| P064/08.00 | 08.00 mm | 117 mm | 75 mm | 5 |
| P064/08.25 | 08.25 mm | 117 mm | 75 mm | 5 |
| P064/08.50 | 08.50 mm | 117 mm | 75 mm | 5 |
| P064/08.75 | 08.75 mm | 125 mm | 81 mm | 5 |
| P064/09.00 | 09.00 mm | 125 mm | 81 mm | 5 |
| P064/09.25 | 09.25 mm | 125 mm | 81 mm | 5 |
| P064/09.50 | 09.50 mm | 125 mm | 81 mm | 5 |
| P064/09.75 | 09.75 mm | 133 mm | 87 mm | 5 |
| P064/10.00 | 10.00 mm | 133 mm | 87 mm | 5 |
| P064/10.25 | 10.25 mm | 133 mm | 87 mm | 5 |
| P064/10.50 | 10.50 mm | 133 mm | 87 mm | 5 |
| P064/10.75 | 10.75 mm | 142 mm | 94 mm | 5 |
| P064/11.00 | 11.00 mm | 142 mm | 94 mm | 5 |
| P064/11.25 | 11.25 mm | 142 mm | 94 mm | 5 |
| P064/11.50 | 11.50 mm | 142 mm | 94 mm | 5 |
| P064/11.75 | 11.75 mm | 142 mm | 94 mm | 5 |
| P064/12.00 | 12.00 mm | 151 mm | 101 mm | 5 |
| P064/12.25 | 12.25 mm | 151 mm | 101 mm | 5 |
| P064/12.50 | 12.50 mm | 151 mm | 101 mm | 5 |
| P064/12.75 | 12.75 mm | 151 mm | 101 mm | 5 |
| P064/13.00 | 13.00 mm | 151 mm | 101 mm | 5 |

P064/19A

COBALT TWIST DRILL SET

Self-centering, right, with great thermal resistance.



19 Pcs

Size (step 0,5 mm)

1 ± 10 mm

P064/25A

COBALT TWIST DRILL SET

Self-centering, right, with great thermal resistance.



25 Pcs

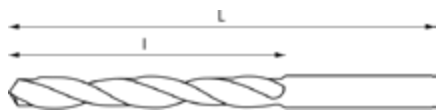
Size (step 0,5 mm)

1 ± 13 mm





P081- NC SPOTTING DRILL



| | | | | | | | |
|------------------|-----------|----------|-------|----------|-------|-----------------|----------|
| | | | | | | | |
| Box | HSS CO 5% | TiAlN | 90° | External | Steel | Stainless steel | Aluminum |
| | | | | | | | |
| Non-ferr. alloys | Cast Iron | Emulsion | Lathe | Mill | Drill | | |

| Art. | ø | l | L |
|---------|-------|-------|--------|
| P081/03 | 3 mm | 17 mm | 46 mm |
| P081/04 | 4 mm | 20 mm | 55 mm |
| P081/05 | 5 mm | 25 mm | 60 mm |
| P081/06 | 6 mm | 27 mm | 66 mm |
| P081/08 | 8 mm | 30 mm | 79 mm |
| P081/10 | 10 mm | 35 mm | 89 mm |
| P081/12 | 12 mm | 30 mm | 102 mm |
| P081/16 | 16 mm | 35 mm | 115 mm |
| P081/20 | 20 mm | 40 mm | 131 mm |

P056- CENTER DRILL

Ground, with vaporized grooves. Taper angle 60°.



| | | | | | | | |
|----------|-------|---------|----------------|-------------|----------|------------------|-----------|
| | | | | | | | |
| Box | HSS | DIN 333 | 118° | Steel | Aluminum | Non-ferr. alloys | Cast Iron |
| | | | | | | | |
| Emulsion | Lathe | Mill | Magnetic Drill | Drill press | | | |

| Art. | ø | Stem | Length |
|-----------|---------|-----------|---------|
| P056/1 | 1 mm | ø 3 mm | 30,5 mm |
| P056/1.6 | 1,6 mm | ø 4 mm | 35,5 mm |
| P056/2 | 2 mm | ø 5 mm | 40 mm |
| P056/2.5 | 2,5 mm | ø 6,3 mm | 45 mm |
| P056/3.15 | 3,15 mm | ø 8 mm | 50 mm |
| P056/4 | 4 mm | ø 10 mm | 56 mm |
| P056/5 | 5 mm | ø 12,5 mm | 63 mm |

P056/10S CENTER DRILL SET

Ground, with vaporized grooves. Taper angle 60°.



| | | | | | |
|----------|------------------|-----------|----------|-------|-------|
| | | | | | |
| 10 Pcs | Box | HSS | DIN 333 | 118° | Steel |
| | | | | | |
| Aluminum | Non-ferr. alloys | Cast Iron | Emulsion | Lathe | Mill |

| | |
|-----------|---|
| Sizes | 0.75 - 1.00 - 1.5 - 1.6 - 2.0 - 2.5 - 3.0 - 3.15 - 4.0 - 5.0 mm |
| Type | A |
| Tolerance | K12 |



CORE SAWS

Tools designed for drilling and processing metal materials. These are cylindrical tips with a toothed circular section. They are mounted on the spindle of special tools such as drilling machines, magnetic base drills, and column drills. Unlike cup milling machines, which have a crown that holds the material to be removed inside, these milling machines process the material by chip removal through the side cutters of the tool.



THEORETICAL RPM FOR CORE SAWS DEPENDING ON THE MATERIAL TO BE PROCESSED

| Materials to be processed | Saw Type | Saw diameter | | | | | | | Coolant |
|--|----------|----------------------------|---------|---------|---------|---------|---------|---------|--------------|
| | | 12 - 15 | 16 - 20 | 21 - 25 | 26 - 30 | 31 - 35 | 36 - 49 | 50 - 60 | |
| | | no. of revolutions (rpm) | | | | | | | |
| Low alloy construction steel R < 700÷900N/mm ² | HSS | 700 | 530 | 420 | 340 | 290 | 240 | 170 | Emulsion |
| | HSS-Co5% | 875 | 663 | 525 | 425 | 363 | 300 | 213 | Emulsion |
| Alloy steel R < 1100÷1300N/mm ² | HSS | 470 | 350 | 270 | 230 | 190 | 160 | 120 | Emulsion |
| | HSS-Co5% | 588 | 438 | 338 | 288 | 238 | 200 | 150 | Emulsion |
| Stainless steel | HSS | 470 | 350 | 270 | 230 | 190 | 160 | 120 | Emulsion |
| | HSS-Co5% | 588 | 438 | 338 | 288 | 238 | 200 | 150 | Emulsion |
| Cast iron | HSS | 240 | 180 | 140 | 120 | 100 | 80 | 60 | No refriger. |
| Light Alloys | HSS | 700 | 530 | 420 | 340 | 290 | 240 | 170 | No refriger. |
| Plastic | HSS | 830 | 620 | 480 | 400 | 340 | 280 | 200 | No refriger. |

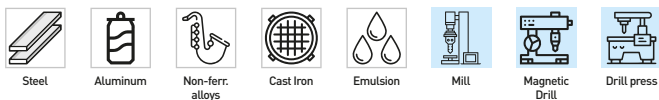
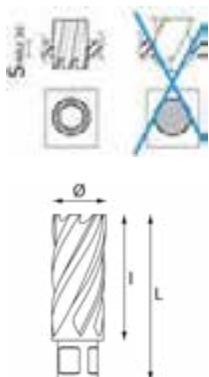




F011-

CORE DRILL WITH WELDON SHANK

Allows a very fast cut, does not require pre-drilling and does not create any burr formation thanks to the lower effort of the cutting edge during processing.

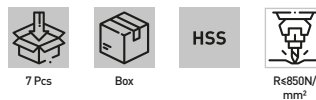


| Art. | Cutting capacity | ø | Total length |
|---------|------------------|-------|--------------|
| F011/12 | 30 mm | 12 mm | 62 mm |
| F011/13 | 30 mm | 13 mm | 62 mm |
| F011/14 | 30 mm | 14 mm | 62 mm |
| F011/15 | 30 mm | 15 mm | 62 mm |
| F011/16 | 30 mm | 16 mm | 62 mm |
| F011/17 | 30 mm | 17 mm | 62 mm |
| F011/18 | 30 mm | 18 mm | 62 mm |
| F011/19 | 30 mm | 19 mm | 62 mm |
| F011/20 | 30 mm | 20 mm | 62 mm |
| F011/21 | 30 mm | 21 mm | 62 mm |
| F011/22 | 30 mm | 22 mm | 62 mm |
| F011/23 | 30 mm | 23 mm | 62 mm |
| F011/24 | 30 mm | 24 mm | 62 mm |
| F011/25 | 30 mm | 25 mm | 62 mm |
| F011/26 | 30 mm | 26 mm | 62 mm |
| F011/27 | 30 mm | 27 mm | 62 mm |
| F011/28 | 30 mm | 28 mm | 62 mm |
| F011/29 | 30 mm | 29 mm | 62 mm |
| F011/30 | 30 mm | 30 mm | 62 mm |
| F011/31 | 30 mm | 31 mm | 62 mm |
| F011/32 | 30 mm | 32 mm | 62 mm |
| F011/33 | 30 mm | 33 mm | 62 mm |
| F011/34 | 30 mm | 34 mm | 62 mm |
| F011/35 | 30 mm | 35 mm | 62 mm |
| F011/36 | 30 mm | 36 mm | 62 mm |
| F011/37 | 30 mm | 37 mm | 62 mm |
| F011/38 | 30 mm | 38 mm | 62 mm |
| F011/39 | 30 mm | 39 mm | 62 mm |
| F011/40 | 30 mm | 40 mm | 62 mm |
| F011/41 | 30 mm | 41 mm | 62 mm |
| F011/42 | 30 mm | 42 mm | 62 mm |
| F011/43 | 30 mm | 43 mm | 62 mm |
| F011/44 | 30 mm | 44 mm | 62 mm |
| F011/45 | 30 mm | 45 mm | 62 mm |
| F011/46 | 30 mm | 46 mm | 62 mm |
| F011/47 | 30 mm | 47 mm | 62 mm |
| F011/48 | 30 mm | 48 mm | 62 mm |
| F011/49 | 30 mm | 49 mm | 62 mm |
| F011/50 | 30 mm | 50 mm | 62 mm |
| F011/51 | 30 mm | 51 mm | 62 mm |
| F011/52 | 30 mm | 52 mm | 62 mm |
| F011/53 | 30 mm | 53 mm | 62 mm |
| F011/54 | 30 mm | 54 mm | 62 mm |
| F011/55 | 30 mm | 55 mm | 62 mm |
| F011/60 | 30 mm | 60 mm | 62 mm |

F011/6

WELDON SHANK CORE DRILL SET

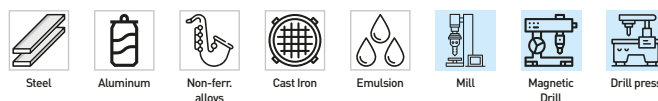
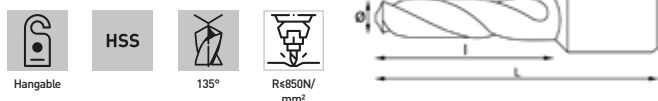
Allows a very fast cut, does not require pre-drilling and does not create any burr formation thanks to the lower effort of the cutting edge during processing.



| | |
|------------------|--|
| Sizes | 12 x 62 - 14 x 62 - 16 x 62 - 18 x 62 - 20 x 62 - 22 x 62 mm |
| Cutting capacity | 30 mm |
| Shank | Weldon 19,05 mm |

F011-XP

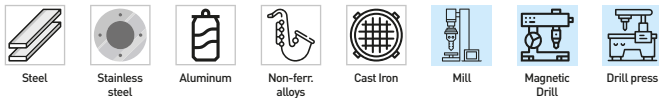
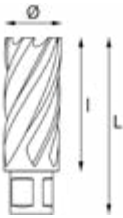
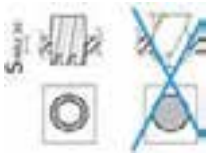
TWIST DRILLS WELDON SHANK



| Art. | ø | L | L |
|-----------|-------|-------|-------|
| F011/006P | 6 mm | 30 mm | 62 mm |
| F011/007P | 7 mm | 30 mm | 62 mm |
| F011/008P | 8 mm | 30 mm | 62 mm |
| F011/009P | 9 mm | 30 mm | 62 mm |
| F011/010P | 10 mm | 30 mm | 62 mm |
| F011/011P | 11 mm | 30 mm | 62 mm |

F002-
CORE DRILL WITH WELDON SHANK

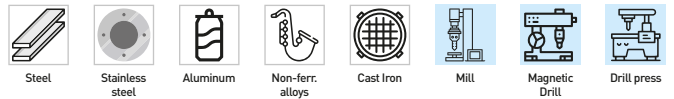
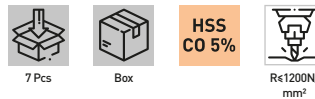
Allows a very fast cut, does not require pre-drilling and does not create any burr formation thanks to the lower effort of the cutting edge during processing.



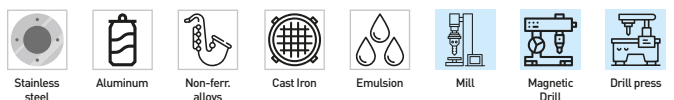
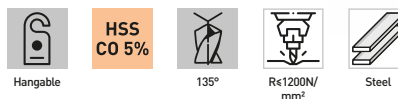
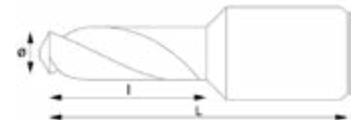
| Art. | Ø | Cutting capacity | Total length |
|---------|-------|------------------|--------------|
| F002/12 | 12 mm | 30 mm | 62 mm |
| F002/13 | 13 mm | 30 mm | 62 mm |
| F002/14 | 14 mm | 30 mm | 62 mm |
| F002/15 | 15 mm | 30 mm | 62 mm |
| F002/16 | 16 mm | 30 mm | 62 mm |
| F002/17 | 17 mm | 30 mm | 62 mm |
| F002/18 | 18 mm | 30 mm | 62 mm |
| F002/19 | 19 mm | 30 mm | 62 mm |
| F002/20 | 20 mm | 30 mm | 62 mm |
| F002/21 | 21 mm | 30 mm | 62 mm |
| F002/22 | 22 mm | 30 mm | 62 mm |
| F002/23 | 23 mm | 30 mm | 62 mm |
| F002/24 | 24 mm | 30 mm | 62 mm |
| F002/25 | 25 mm | 30 mm | 62 mm |
| F002/26 | 26 mm | 30 mm | 62 mm |
| F002/27 | 27 mm | 30 mm | 62 mm |
| F002/28 | 28 mm | 30 mm | 62 mm |
| F002/29 | 29 mm | 30 mm | 62 mm |
| F002/30 | 30 mm | 30 mm | 62 mm |
| F002/31 | 31 mm | 30 mm | 62 mm |
| F002/32 | 32 mm | 30 mm | 62 mm |
| F002/33 | 33 mm | 30 mm | 62 mm |
| F002/34 | 34 mm | 30 mm | 62 mm |
| F002/35 | 35 mm | 30 mm | 62 mm |
| F002/36 | 36 mm | 30 mm | 62 mm |
| F002/37 | 37 mm | 30 mm | 62 mm |
| F002/38 | 38 mm | 30 mm | 62 mm |
| F002/39 | 39 mm | 30 mm | 62 mm |
| F002/40 | 40 mm | 30 mm | 62 mm |
| F002/41 | 41 mm | 30 mm | 62 mm |
| F002/42 | 42 mm | 30 mm | 62 mm |
| F002/43 | 43 mm | 30 mm | 62 mm |
| F002/44 | 44 mm | 30 mm | 62 mm |
| F002/45 | 45 mm | 30 mm | 62 mm |
| F002/46 | 46 mm | 30 mm | 62 mm |
| F002/47 | 47 mm | 30 mm | 62 mm |
| F002/48 | 48 mm | 30 mm | 62 mm |
| F002/49 | 49 mm | 30 mm | 62 mm |
| F002/50 | 50 mm | 30 mm | 62 mm |
| F002/55 | 55 mm | 30 mm | 62 mm |
| F002/60 | 60 mm | 30 mm | 62 mm |

F002/6
WELDON SHANK CORE DRILL SET

Allows a very fast cut, does not require pre-drilling and does not create any burr formation thanks to the lower effort of the cutting edge during processing.



Sizes 12 x 62 - 14 x 62 - 16 x 62 - 18 x 62 - 20 x 62 - 22 x 62 mm
Shank Weldon 19,05 mm

F002-XP
TWIST DRILLS WELDON SHANK


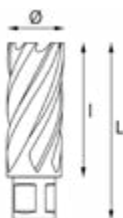
| Art. | Ø | l | L |
|-----------|-------|-------|----------|
| F002/006P | 6 mm | 30 mm | 62.50 mm |
| F002/007P | 7 mm | 30 mm | 62.50 mm |
| F002/008P | 8 mm | 30 mm | 62.50 mm |
| F002/009P | 9 mm | 30 mm | 62.50 mm |
| F002/010P | 10 mm | 30 mm | 62.50 mm |
| F002/011P | 11 mm | 30 mm | 62.50 mm |



F002-XL

LONG TYPE CORE DRILL WITH WELDON SHANK

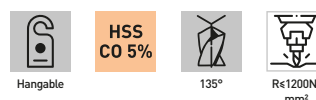
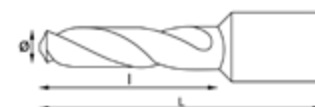
Allows a very fast cut, does not require pre-drilling and does not create any burr formation thanks to the lower effort of the cutting edge during processing.



| Art. | ø | Cutting capacity | Total length |
|----------|-------|------------------|--------------|
| F002/12L | 12 mm | 50 mm | 85 mm |
| F002/13L | 13 mm | 50 mm | 85 mm |
| F002/14L | 14 mm | 50 mm | 85 mm |
| F002/15L | 15 mm | 50 mm | 85 mm |
| F002/16L | 16 mm | 50 mm | 85 mm |
| F002/17L | 17 mm | 50 mm | 85 mm |
| F002/18L | 18 mm | 50 mm | 85 mm |
| F002/19L | 19 mm | 50 mm | 85 mm |
| F002/20L | 20 mm | 50 mm | 85 mm |
| F002/21L | 21 mm | 50 mm | 85 mm |
| F002/22L | 22 mm | 50 mm | 85 mm |
| F002/23L | 23 mm | 50 mm | 85 mm |
| F002/24L | 24 mm | 50 mm | 85 mm |
| F002/25L | 25 mm | 50 mm | 85 mm |
| F002/26L | 26 mm | 50 mm | 85 mm |
| F002/27L | 27 mm | 50 mm | 85 mm |
| F002/28L | 28 mm | 50 mm | 85 mm |
| F002/29L | 29 mm | 50 mm | 85 mm |
| F002/30L | 30 mm | 50 mm | 85 mm |
| F002/31L | 31 mm | 50 mm | 85 mm |
| F002/32L | 32 mm | 50 mm | 85 mm |
| F002/33L | 33 mm | 50 mm | 85 mm |
| F002/34L | 34 mm | 50 mm | 85 mm |
| F002/35L | 35 mm | 50 mm | 85 mm |
| F002/36L | 36 mm | 50 mm | 85 mm |
| F002/37L | 37 mm | 50 mm | 85 mm |
| F002/38L | 38 mm | 50 mm | 85 mm |
| F002/39L | 39 mm | 50 mm | 85 mm |
| F002/40L | 40 mm | 50 mm | 85 mm |
| F002/41L | 41 mm | 50 mm | 85 mm |
| F002/42L | 42 mm | 50 mm | 85 mm |
| F002/43L | 43 mm | 50 mm | 85 mm |
| F002/44L | 44 mm | 50 mm | 85 mm |
| F002/45L | 45 mm | 50 mm | 85 mm |
| F002/46L | 46 mm | 50 mm | 85 mm |
| F002/47L | 47 mm | 50 mm | 85 mm |
| F002/48L | 48 mm | 50 mm | 85 mm |
| F002/49L | 49 mm | 50 mm | 85 mm |
| F002/50L | 50 mm | 50 mm | 85 mm |
| F002/55L | 55 mm | 50 mm | 85 mm |
| F002/60L | 60 mm | 50 mm | 85 mm |

F002-XPL

LONG TWIST DRILLS WELDON SHANK

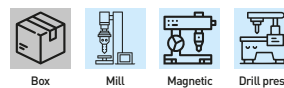


| Art. | ø | L | L |
|------------|-------|-------|----------|
| F002/006PL | 6 mm | 55 mm | 86.50 mm |
| F002/007PL | 7 mm | 55 mm | 86.50 mm |
| F002/008PL | 8 mm | 55 mm | 86.50 mm |
| F002/009PL | 9 mm | 55 mm | 86.50 mm |
| F002/010PL | 10 mm | 55 mm | 86.50 mm |
| F002/011PL | 11 mm | 55 mm | 86.50 mm |

F002/P

PILOT PIN

For weldon shank core drills.

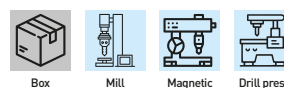


Dimensions 6,35 x 77 mm

F002/PL

PILOT PIN

For weldon shank long type core drills.



Dimensions 6,35 x 102 mm

CUP SAWS WITH HARD METAL INSERTS



The variable hard metal tooth geometry enables cutting of pipes, profiles and sheets made of stainless steel, high-alloy steel. Max cut thickness: 5 mm

THEORETICAL RPM FOR CUP SAWS WITH HARD METAL INSERTS DEPENDING ON THE MATERIAL TO BE PROCESSED

| Materials to be processed | Saw diameter | | | | | | | Coolant |
|---|----------------------------|---------|---------|---------|---------|---------|----------|----------|
| | 15 - 20 | 21 - 25 | 26 - 30 | 31 - 40 | 41 - 50 | 51 - 70 | 71 - 100 | |
| | no. of revolutions (rpm) | | | | | | | |
| Alloy steel R< 1100÷1300N/mm ² | 530 | 420 | 340 | 270 | 210 | 160 | 100 | Emulsion |
| Stainless steel | 530 | 420 | 340 | 270 | 210 | 160 | 100 | Emulsion |
| Aluminium | 880 | 690 | 570 | 450 | 350 | 270 | 190 | Emulsion |

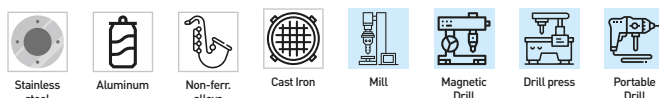
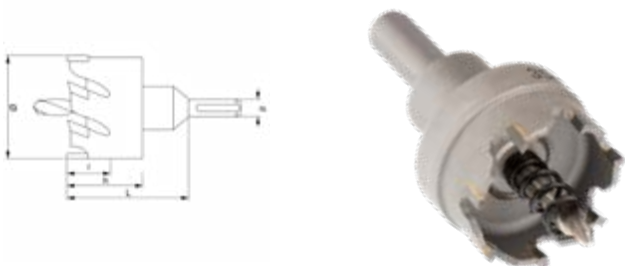




F019-

TCT CORE DRILL

With lateral chip and center drill. Maximum cutting depth 5 mm.

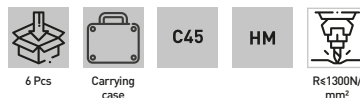


| Art. | ø | h | d | L | Cutting Depth | Thread |
|----------|--------|-------|-------|-------|---------------|------------|
| F019/015 | 15 mm | 28 mm | 10 mm | 50 mm | 5 mm | - |
| F019/016 | 16 mm | 28 mm | 10 mm | 50 mm | 5 mm | - |
| F019/017 | 17 mm | 28 mm | 10 mm | 50 mm | 5 mm | - |
| F019/018 | 18 mm | 28 mm | 10 mm | 50 mm | 5 mm | - |
| F019/019 | 19 mm | 28 mm | 10 mm | 50 mm | 5 mm | - |
| F019/020 | 20 mm | 28 mm | 10 mm | 50 mm | 5 mm | - |
| F019/021 | 21 mm | 28 mm | 10 mm | 50 mm | 5 mm | - |
| F019/022 | 22 mm | 28 mm | 10 mm | 50 mm | 5 mm | M12 x 1,25 |
| F019/023 | 23 mm | 28 mm | 10 mm | 50 mm | 5 mm | M12 x 1,25 |
| F019/024 | 24 mm | 28 mm | 10 mm | 50 mm | 5 mm | M12 x 1,25 |
| F019/025 | 25 mm | 28 mm | 10 mm | 50 mm | 5 mm | M12 x 1,25 |
| F019/026 | 26 mm | 28 mm | 10 mm | 50 mm | 5 mm | M12 x 1,25 |
| F019/027 | 27 mm | 28 mm | 10 mm | 50 mm | 5 mm | M12 x 1,25 |
| F019/028 | 28 mm | 28 mm | 10 mm | 50 mm | 5 mm | M12 x 1,25 |
| F019/029 | 29 mm | 28 mm | 10 mm | 50 mm | 5 mm | M12 x 1,25 |
| F019/030 | 30 mm | 28 mm | 10 mm | 50 mm | 5 mm | M12 x 1,25 |
| F019/031 | 31 mm | 28 mm | 10 mm | 50 mm | 5 mm | M12 x 1,25 |
| F019/032 | 32 mm | 28 mm | 10 mm | 50 mm | 5 mm | M12 x 1,25 |
| F019/033 | 33 mm | 28 mm | 10 mm | 50 mm | 5 mm | M12 x 1,25 |
| F019/034 | 34 mm | 28 mm | 10 mm | 50 mm | 5 mm | M12 x 1,25 |
| F019/035 | 35 mm | 28 mm | 10 mm | 50 mm | 5 mm | M14 x 1,5 |
| F019/036 | 36 mm | 28 mm | 10 mm | 50 mm | 5 mm | M14 x 1,5 |
| F019/037 | 37 mm | 28 mm | 10 mm | 50 mm | 5 mm | M14 x 1,5 |
| F019/038 | 38 mm | 28 mm | 10 mm | 50 mm | 5 mm | M14 x 1,5 |
| F019/039 | 39 mm | 28 mm | 10 mm | 50 mm | 5 mm | M14 x 1,5 |
| F019/040 | 40 mm | 28 mm | 10 mm | 50 mm | 5 mm | M14 x 1,5 |
| F019/041 | 41 mm | 28 mm | 10 mm | 50 mm | 5 mm | M14 x 1,5 |
| F019/042 | 42 mm | 28 mm | 10 mm | 50 mm | 5 mm | M14 x 1,5 |
| F019/043 | 43 mm | 28 mm | 10 mm | 50 mm | 5 mm | M14 x 1,5 |
| F019/044 | 44 mm | 28 mm | 10 mm | 50 mm | 5 mm | M14 x 1,5 |
| F019/045 | 45 mm | 28 mm | 10 mm | 50 mm | 5 mm | M14 x 1,5 |
| F019/046 | 46 mm | 28 mm | 10 mm | 50 mm | 5 mm | M14 x 1,5 |
| F019/047 | 47 mm | 28 mm | 10 mm | 50 mm | 5 mm | M14 x 1,5 |
| F019/048 | 48 mm | 28 mm | 10 mm | 50 mm | 5 mm | M14 x 1,5 |
| F019/049 | 49 mm | 28 mm | 10 mm | 50 mm | 5 mm | M14 x 1,5 |
| F019/050 | 50 mm | 28 mm | 10 mm | 50 mm | 5 mm | M14 x 1,5 |
| F019/051 | 51 mm | 28 mm | 12 mm | 50 mm | 5 mm | M16 x 1,5 |
| F019/052 | 52 mm | 28 mm | 12 mm | 50 mm | 5 mm | M16 x 1,5 |
| F019/053 | 53 mm | 28 mm | 12 mm | 50 mm | 5 mm | M16 x 1,5 |
| F019/054 | 54 mm | 28 mm | 12 mm | 50 mm | 5 mm | M16 x 1,5 |
| F019/055 | 55 mm | 28 mm | 12 mm | 50 mm | 5 mm | M16 x 1,5 |
| F019/056 | 56 mm | 28 mm | 12 mm | 50 mm | 5 mm | M16 x 1,5 |
| F019/057 | 57 mm | 28 mm | 12 mm | 50 mm | 5 mm | M16 x 1,5 |
| F019/058 | 58 mm | 28 mm | 12 mm | 50 mm | 5 mm | M16 x 1,5 |
| F019/059 | 59 mm | 28 mm | 12 mm | 50 mm | 5 mm | M16 x 1,5 |
| F019/060 | 60 mm | 28 mm | 12 mm | 50 mm | 5 mm | M16 x 1,5 |
| F019/065 | 65 mm | 28 mm | 12 mm | 50 mm | 5 mm | M16 x 1,5 |
| F019/070 | 70 mm | 28 mm | 12 mm | 50 mm | 5 mm | M16 x 1,5 |
| F019/075 | 75 mm | 28 mm | 12 mm | 50 mm | 5 mm | M16 x 1,5 |
| F019/080 | 80 mm | 28 mm | 12 mm | 50 mm | 5 mm | M16 x 1,5 |
| F019/085 | 85 mm | 28 mm | 12 mm | 50 mm | 5 mm | M16 x 1,5 |
| F019/090 | 90 mm | 28 mm | 12 mm | 50 mm | 5 mm | M16 x 1,5 |
| F019/095 | 95 mm | 28 mm | 12 mm | 50 mm | 5 mm | M16 x 1,5 |
| F019/100 | 100 mm | 28 mm | 12 mm | 50 mm | 5 mm | M16 x 1,5 |

F019/006

TCT CORE DRILL SET

With lateral chip and center drill.

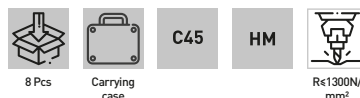


Sizes 16 mm, 18 mm, 20 mm, 22 mm, 25 mm, 30 mm
Cutting Depth 5 mm

F019/008

TCT CORE DRILL SET

With lateral chip and center drill.



Sizes 16 mm, 18 mm, 20 mm, 22 mm, 25 mm, 30 mm, 32 mm, 35 mm
Cutting Depth 5 mm

F019/005

CENTER DRILL

For item F019-.



ø 6 mm
L 50 mm

F019/007

SPRING

For item F019-.



HSS CUP SAWS

Equipped with chip breaker side cut. Precision drilling of steel sheets, light alloys and metal materials in general. Drilling depth up to 5 mm.



THEORETICAL RPM FOR CORE SAWS DEPENDING ON THE MATERIAL TO BE PROCESSED

| Materials to be processed | Saw diameter | | | | | | | | | | | | Coolant |
|--|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|---------------------------|
| | 12-17 | 18-24 | 25-32 | 33-38 | 39-44 | 45-51 | 52-57 | 58-64 | 65-70 | 71-80 | 81-90 | 91-100 | |
| | no. of revolutions (rpm) | | | | | | | | | | | | |
| Low alloy construction steel R< 700÷900N/mm ² | 550 | 380 | 300 | 240 | 200 | 170 | 150 | 130 | 120 | 110 | 100 | 90 | Emulsion |
| Alloy steel R< 1100÷1300N/mm ² | 230 | 160 | 130 | 100 | 80 | 70 | 60 | 60 | 50 | 50 | 40 | 40 | Emulsion |
| Stainless steel | 230 | 160 | 130 | 100 | 80 | 70 | 60 | 60 | 50 | 50 | 40 | 40 | Emulsion |
| Cast iron | 280 | 190 | 150 | 120 | 100 | 90 | 80 | 70 | 60 | 60 | 50 | 40 | No refriger. |
| Light Alloys | 870 | 590 | 470 | 370 | 310 | 270 | 240 | 210 | 190 | 170 | 150 | 140 | Emulsion |
| Aluminium | 870 | 590 | 470 | 370 | 310 | 270 | 240 | 210 | 190 | 170 | 150 | 140 | Emulsion |
| Plastic | 660 | 450 | 350 | 280 | 240 | 210 | 180 | 160 | 150 | 130 | 120 | 100 | Water No refrigeration |





F015-

DRILL BIT HOLE SAW

With lateral chip and center drill.

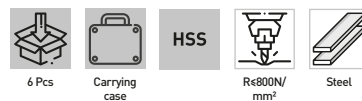


| Art. | ϕ | h | d | L | Thread |
|----------|--------|-------|-------|-------|------------|
| F015/012 | 12 mm | 23 mm | 8 mm | 56 mm | M10 x 1,25 |
| F015/013 | 13 mm | 23 mm | 8 mm | 56 mm | M10 x 1,25 |
| F015/014 | 14 mm | 23 mm | 8 mm | 56 mm | M10 x 1,25 |
| F015/015 | 15 mm | 23 mm | 10 mm | 56 mm | M12 x 1,25 |
| F015/016 | 16 mm | 23 mm | 10 mm | 56 mm | M12 x 1,25 |
| F015/017 | 17 mm | 23 mm | 10 mm | 56 mm | M12 x 1,25 |
| F015/018 | 18 mm | 23 mm | 10 mm | 56 mm | M12 x 1,25 |
| F015/019 | 19 mm | 23 mm | 10 mm | 56 mm | M12 x 1,25 |
| F015/020 | 20 mm | 23 mm | 10 mm | 56 mm | M12 x 1,25 |
| F015/021 | 21 mm | 23 mm | 10 mm | 56 mm | M12 x 1,25 |
| F015/022 | 22 mm | 23 mm | 10 mm | 56 mm | M12 x 1,25 |
| F015/023 | 23 mm | 23 mm | 10 mm | 56 mm | M12 x 1,25 |
| F015/024 | 24 mm | 23 mm | 10 mm | 56 mm | M12 x 1,25 |
| F015/025 | 25 mm | 23 mm | 10 mm | 56 mm | M12 x 1,25 |
| F015/026 | 26 mm | 23 mm | 10 mm | 56 mm | M12 x 1,25 |
| F015/027 | 27 mm | 23 mm | 10 mm | 56 mm | M12 x 1,25 |
| F015/028 | 28 mm | 23 mm | 10 mm | 56 mm | M12 x 1,25 |
| F015/029 | 29 mm | 23 mm | 10 mm | 56 mm | M12 x 1,25 |
| F015/030 | 30 mm | 23 mm | 10 mm | 56 mm | M12 x 1,25 |
| F015/031 | 31 mm | 23 mm | 10 mm | 56 mm | M12 x 1,25 |
| F015/032 | 32 mm | 23 mm | 10 mm | 56 mm | M12 x 1,25 |
| F015/033 | 33 mm | 23 mm | 10 mm | 56 mm | M12 x 1,25 |
| F015/034 | 34 mm | 23 mm | 10 mm | 56 mm | M12 x 1,25 |
| F015/035 | 35 mm | 23 mm | 10 mm | 56 mm | M14 x 1,5 |
| F015/036 | 36 mm | 23 mm | 10 mm | 56 mm | M14 x 1,5 |
| F015/037 | 37 mm | 23 mm | 10 mm | 56 mm | M14 x 1,5 |
| F015/038 | 38 mm | 23 mm | 10 mm | 56 mm | M14 x 1,5 |
| F015/039 | 39 mm | 23 mm | 10 mm | 56 mm | M14 x 1,5 |
| F015/040 | 40 mm | 23 mm | 10 mm | 56 mm | M14 x 1,5 |
| F015/041 | 41 mm | 23 mm | 10 mm | 56 mm | M14 x 1,5 |
| F015/042 | 42 mm | 23 mm | 10 mm | 56 mm | M14 x 1,5 |
| F015/043 | 43 mm | 23 mm | 10 mm | 56 mm | M14 x 1,5 |
| F015/044 | 44 mm | 23 mm | 10 mm | 56 mm | M14 x 1,5 |
| F015/045 | 45 mm | 23 mm | 10 mm | 56 mm | M14 x 1,5 |
| F015/046 | 46 mm | 23 mm | 10 mm | 56 mm | M14 x 1,5 |
| F015/047 | 47 mm | 23 mm | 10 mm | 56 mm | M14 x 1,5 |
| F015/048 | 48 mm | 23 mm | 10 mm | 56 mm | M14 x 1,5 |
| F015/049 | 49 mm | 23 mm | 10 mm | 56 mm | M14 x 1,5 |
| F015/050 | 50 mm | 23 mm | 10 mm | 56 mm | M14 x 1,5 |
| F015/051 | 51 mm | 23 mm | 12 mm | 56 mm | M16 x 1,5 |
| F015/052 | 52 mm | 23 mm | 12 mm | 56 mm | M16 x 1,5 |
| F015/053 | 53 mm | 23 mm | 12 mm | 56 mm | M16 x 1,5 |
| F015/054 | 54 mm | 23 mm | 12 mm | 56 mm | M16 x 1,5 |
| F015/055 | 55 mm | 23 mm | 12 mm | 56 mm | M16 x 1,5 |
| F015/056 | 56 mm | 23 mm | 12 mm | 56 mm | M16 x 1,5 |
| F015/057 | 57 mm | 23 mm | 12 mm | 56 mm | M16 x 1,5 |
| F015/058 | 58 mm | 23 mm | 12 mm | 56 mm | M16 x 1,5 |
| F015/059 | 59 mm | 23 mm | 12 mm | 56 mm | M16 x 1,5 |
| F015/060 | 60 mm | 23 mm | 12 mm | 56 mm | M16 x 1,5 |
| F015/065 | 65 mm | 23 mm | 12 mm | 56 mm | M16 x 1,5 |
| F015/070 | 70 mm | 23 mm | 12 mm | 56 mm | M16 x 1,5 |
| F015/075 | 75 mm | 23 mm | 12 mm | 56 mm | M16 x 1,5 |
| F015/080 | 80 mm | 23 mm | 12 mm | 56 mm | M16 x 1,5 |
| F015/085 | 85 mm | 23 mm | 12 mm | 56 mm | M16 x 1,5 |
| F015/090 | 90 mm | 23 mm | 12 mm | 56 mm | M16 x 1,5 |
| F015/095 | 95 mm | 23 mm | 12 mm | 56 mm | M16 x 1,5 |
| F015/100 | 100 mm | 23 mm | 12 mm | 56 mm | M16 x 1,5 |

F015/006S

DRILL BIT HOLE SAW SET

With lateral chip and center drill.

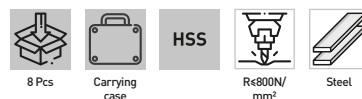


Sizes 16 mm, 18 mm, 20 mm, 22 mm, 25 mm, 30 mm

F015/008S

DRILL BIT HOLE SAW SET

With lateral chip and center drill.

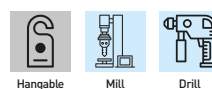
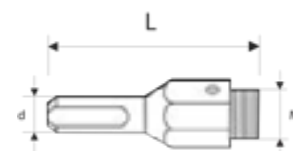


Sizes 16 mm, 18 mm, 20 mm, 22 mm, 25 mm, 30 mm, 32 mm, 35 mm

F015-A

DRILL BIT HOLE SAW ARBOR

For item F015-.



| Art. | ϕ | d | L | Thread |
|----------|------------|-------|-------|------------|
| F015/001 | 12 - 14 mm | 8 mm | 56 mm | M10 x 1,25 |
| F015/002 | 15-34 mm | 10 mm | 56 mm | M12 x 1,25 |
| F015/003 | 35-50 mm | 10 mm | 56 mm | M14 x 1,5 |
| F015/004 | 51-100 mm | 12 mm | 60 mm | M16 x 1,5 |

F015/005

CENTER DRILL

For item F015-



ϕ 6 mm
L 50 mm

F015/007

SPRING

For item F015-.



BI-METAL CUP SAW

Equipped with variable toothting for cutting thin material such as steel, cast iron, aluminium, copper, bronze, brass, wood, plastic, fibreglass and plasterboard.



THEORETICAL RPM FOR CORE SAWS DEPENDING ON THE MATERIAL TO BE PROCESSED

| Materials to be processed | Saw diameter | | | | | | | | | | | | | | | | Coolant |
|--|----------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-------------|-------------|-------------|-------------|----------------|
| | 14 -17 | 19 -24 | 25 -32 | 33 -38 | 40 -44 | 46 -51 | 52 -57 | 59 -64 | 65 -70 | 73 -79 | 83 -89 | 92 -98 | 102 -108 | 111 -121 | 127 -140 | 146 -152 | |
| | no. of revolutions (rpm) | | | | | | | | | | | | | | | | |
| Low alloy construction steel R< 700÷900N/mm2 | 530 | 360 | 280 | 230 | 190 | 170 | 140 | 130 | 120 | 110 | 90 | 80 | 80 | 70 | 60 | 50 | Emulsion |
| Alloy steel R< 1100÷1300N/mm2 | 210 | 140 | 110 | 90 | 80 | 70 | 60 | 50 | 50 | 40 | 40 | 30 | 30 | 30 | 20 | 20 | Emulsion |
| Stainless steel | 210 | 140 | 110 | 90 | 80 | 70 | 60 | 50 | 50 | 40 | 40 | 30 | 30 | 30 | 20 | 20 | Emulsion |
| Cast iron | 250 | 180 | 170 | 140 | 110 | 90 | 70 | 60 | 60 | 50 | 40 | 40 | 40 | 30 | 30 | 30 | No refriger. |
| Brass | 740 | 510 | 400 | 320 | 270 | 230 | 200 | 180 | 170 | 150 | 130 | 120 | 110 | 100 | 80 | 70 | "Emulsion Oil" |
| Aluminium and light alloys | 850 | 580 | 450 | 360 | 300 | 270 | 230 | 210 | 190 | 170 | 150 | 130 | 120 | 110 | 100 | 80 | Emulsion |
| Wood | 960 | 650 | 510 | 410 | 340 | 300 | 260 | 230 | 210 | 190 | 170 | 150 | 140 | 120 | 110 | 100 | No refriger. |
| Plastic | 640 | 430 | 340 | 270 | 230 | 200 | 170 | 150 | 140 | 130 | 110 | 100 | 90 | 80 | 70 | 60 | No refriger. |
| Plasterboard | 960 | 650 | 510 | 410 | 340 | 300 | 260 | 230 | 210 | 190 | 170 | 150 | 140 | 120 | 110 | 100 | No refriger. |

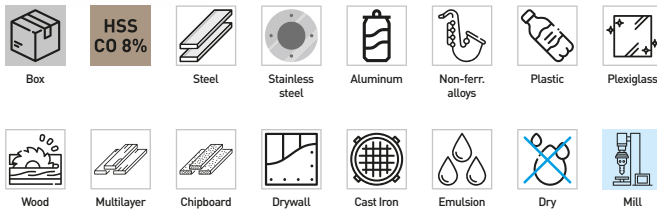




0278-

BIMETAL HOLE SAWS WITH VARIABLE TEETH

Thanks to the geometry of the variable toothing, it is possible to perform rapid and precise cuts as well as greater heat dispersion during cutting for less wear of the teeth. Furthermore, there is a considerable reduction of seizure

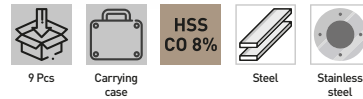


| Art. | ø | ø inch |
|----------|--------|---------|
| 0278/014 | 14 mm | 9/16 |
| 0278/016 | 16 mm | 5/8 |
| 0278/017 | 17 mm | 11/16 |
| 0278/019 | 19 mm | 3/4 |
| 0278/020 | 20 mm | 25/32 |
| 0278/021 | 21 mm | 13/16 |
| 0278/022 | 22 mm | 7/8 |
| 0278/024 | 24 mm | 15/16 |
| 0278/025 | 25 mm | 1 |
| 0278/027 | 27 mm | 1-1/16 |
| 0278/029 | 29 mm | 1-1/8 |
| 0278/030 | 30 mm | 1-3/16 |
| 0278/032 | 32 mm | 1-1/4 |
| 0278/033 | 33 mm | 1-5/16 |
| 0278/035 | 35 mm | 1-3/8 |
| 0278/037 | 37 mm | 1-7/16 |
| 0278/038 | 38 mm | 1-1/2 |
| 0278/040 | 40 mm | 1-9/16 |
| 0278/041 | 41 mm | 1-5/8 |
| 0278/043 | 43 mm | 1-11/16 |
| 0278/044 | 44 mm | 1-3/4 |
| 0278/046 | 46 mm | 1-13/16 |
| 0278/048 | 48 mm | 1-7/8 |
| 0278/051 | 51 mm | 2 |
| 0278/052 | 52 mm | 2-1/16 |
| 0278/054 | 54 mm | 2-1/8 |
| 0278/057 | 57 mm | 2-1/4 |
| 0278/059 | 59 mm | 2-5/16 |
| 0278/060 | 60 mm | 2-3/8 |
| 0278/064 | 64 mm | 2-1/2 |
| 0278/065 | 65 mm | 2-9/16 |
| 0278/067 | 67 mm | 2-5/8 |
| 0278/068 | 68 mm | 2-11/16 |
| 0278/070 | 70 mm | 2-3/4 |
| 0278/073 | 73 mm | 2-7/8 |
| 0278/076 | 76 mm | 3 |
| 0278/079 | 79 mm | 3-1/8 |
| 0278/083 | 83 mm | 3-1/4 |
| 0278/085 | 85 mm | 3-3/8 |
| 0278/089 | 89 mm | 3-1/2 |
| 0278/092 | 92 mm | 3-5/8 |
| 0278/095 | 95 mm | 3-3/4 |
| 0278/098 | 98 mm | 3-7/8 |
| 0278/102 | 102 mm | 4 |
| 0278/105 | 105 mm | 4-1/8 |
| 0278/108 | 108 mm | 4-1/4 |
| 0278/111 | 111 mm | 4-3/8 |
| 0278/114 | 114 mm | 4-1/2 |
| 0278/121 | 121 mm | 4-3/4 |
| 0278/127 | 127 mm | 5 |
| 0278/140 | 140 mm | 5-1/2 |
| 0278/152 | 152 mm | 6 |

0278/002S

HOLE SAW SET

Electrician kit.



| | |
|-------------------------------------|------------|
| Hole saw | 22 - 29 mm |
| Corresponding arbors, adapter, bits | 0712/600 |
| Hole saw | 35 - 44 mm |
| Corresponding arbors, adapter, bits | 0712/800 |
| Hole saw | 51 - 64 mm |
| Corresponding arbors, adapter, bits | 0712/900 |

0278/005S

HOLE SAW SET

Repairman set

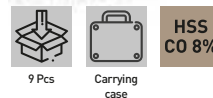


| | |
|-------------------------------------|-----------------|
| Hole saw | 22 - 25 - 29 mm |
| Corresponding arbors, adapter, bits | 0712/600 |
| Hole saw | 32 - 38 mm |
| Corresponding arbors, adapter, bits | 0712/900 |

0278/008S

HOLE SAW SET

Plumber set

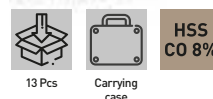


| | |
|-------------------------------------|---------------------|
| Hole saw | 19 - 22 - 29 mm |
| Corresponding arbors, adapter, bits | 0712/600 |
| Hole saw | 38 - 44 - 57 mm |
| Corresponding arbors, adapter, bits | 0712/800 - 0712/900 |

0278/009S

HOLE SAW SET

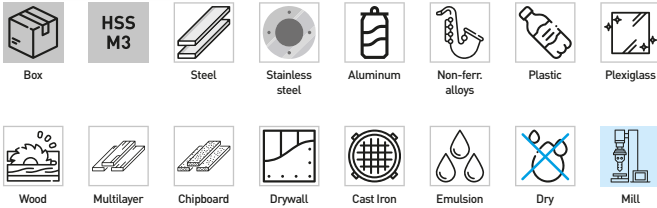
Installer set



| | |
|-------------------------------------|--------------------------------|
| Hole saw | 19 - 22 - 29 mm |
| Corresponding arbors, adapter, bits | 0712/600 - 0712/900 - 0712/300 |
| Hole saw | 35 - 38 - 44 - 51 - 57 - 64 mm |
| Corresponding arbors, adapter, bits | 0712/800 |

0712-
BIMETAL HOLE SAWS WITH VARIABLE TEETH

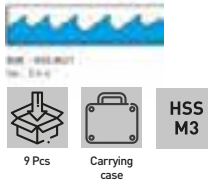
Thanks to the geometry of the variable toothting, it is possible to perform rapid and precise cuts as well as greater heat dispersion during cutting for less wear of the teeth. Furthermore, there is a considerable reduction of seizure



| Art. | Ø | Ø inch |
|----------|--------|---------|
| 0712/014 | 14 mm | 9/16 |
| 0712/016 | 16 mm | 5/8 |
| 0712/017 | 17 mm | 11/16 |
| 0712/019 | 19 mm | 3/4 |
| 0712/020 | 20 mm | 25/32 |
| 0712/021 | 21 mm | 13/16 |
| 0712/022 | 22 mm | 7/8 |
| 0712/024 | 24 mm | 15/16 |
| 0712/025 | 25 mm | 1 |
| 0712/027 | 27 mm | 1-1/16 |
| 0712/029 | 29 mm | 1-1/8 |
| 0712/030 | 30 mm | 1-3/16 |
| 0712/032 | 32 mm | 1-1/4 |
| 0712/033 | 33 mm | 1-5/16 |
| 0712/035 | 35 mm | 1-3/8 |
| 0712/037 | 37 mm | 1-7/16 |
| 0712/038 | 38 mm | 1-1/2 |
| 0712/040 | 40 mm | 1-9/16 |
| 0712/041 | 41 mm | 1-5/8 |
| 0712/043 | 43 mm | 1-11/16 |
| 0712/044 | 44 mm | 1-3/4 |
| 0712/046 | 46 mm | 1-13/16 |
| 0712/048 | 48 mm | 1-7/8 |
| 0712/051 | 51 mm | 2 |
| 0712/052 | 52 mm | 2-1/16 |
| 0712/054 | 54 mm | 2-1/8 |
| 0712/057 | 57 mm | 2-1/4 |
| 0712/059 | 59 mm | 2-5/16 |
| 0712/060 | 60 mm | 2-3/8 |
| 0712/064 | 64 mm | 2-1/2 |
| 0712/065 | 65 mm | 2-9/16 |
| 0712/067 | 67 mm | 2-5/8 |
| 0712/068 | 68 mm | 2-11/16 |
| 0712/070 | 70 mm | 2-3/4 |
| 0712/073 | 73 mm | 2-7/8 |
| 0712/076 | 76 mm | 3 |
| 0712/079 | 79 mm | 3-1/8 |
| 0712/083 | 83 mm | 3-1/4 |
| 0712/085 | 85 mm | 3-3/8 |
| 0712/089 | 89 mm | 3-1/2 |
| 0712/092 | 92 mm | 3-5/8 |
| 0712/095 | 95 mm | 3-3/4 |
| 0712/098 | 98 mm | 3-7/8 |
| 0712/102 | 102 mm | 4 |
| 0712/105 | 105 mm | 4-1/8 |
| 0712/108 | 108 mm | 4-1/4 |
| 0712/111 | 111 mm | 4-3/8 |
| 0712/114 | 114 mm | 4-1/2 |
| 0712/121 | 121 mm | 4-3/4 |
| 0712/127 | 127 mm | 5 |
| 0712/140 | 140 mm | 5-1/2 |
| 0712/152 | 152 mm | 6 |

0712/002
HOLE SAW SET

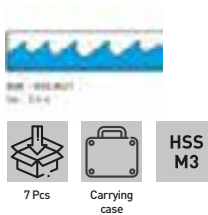
Electrician kit.



| | |
|-------------------------------------|------------|
| Hole saw | 22 - 29 mm |
| Corresponding arbors, adapter, bits | 0712/600 |
| Hole saw | 35 - 44 mm |
| Corresponding arbors, adapter, bits | 0712/800 |
| Hole saw | 51 - 64 mm |
| Corresponding arbors, adapter, bits | 0712/900 |

0712/005
HOLE SAW SET

Repairman set.



| | |
|-------------------------------------|-----------------|
| Hole saw | 22 - 25 - 29 mm |
| Corresponding arbors, adapter, bits | 0712/600 |
| Hole saw | 32 - 38 mm |
| Corresponding arbors, adapter, bits | 0712/900 |

0712/008
HOLE SAW SET

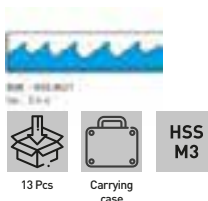
Plumber set



| | |
|-------------------------------------|---------------------|
| Hole saw | 19 - 22 - 29 mm |
| Corresponding arbors, adapter, bits | 0712/600 |
| Hole saw | 38 - 44 - 57 mm |
| Corresponding arbors, adapter, bits | 0712/800 - 0712/900 |

0712/009
HOLE SAW SET

Installer set.



| | |
|-------------------------------------|--------------------------------|
| Hole saw | 19 - 22 - 29 mm |
| Corresponding arbors, adapter, bits | 0712/600 - 0712/900 - 0712/300 |
| Hole saw | 35 - 38 - 44 - 51 - 57 - 64 mm |
| Corresponding arbors, adapter, bits | 0712/800 |



0712/010

HOLE SAW SET

Industry kit.



21 Pcs



HSS
M3



| | |
|-------------------------------------|--|
| Hole saw | 19 - 22 - 29 mm |
| Corresponding arbors, adapter, bits | 0712/600 |
| Hole saw | 35 - 38 - 44 - 51 - 57 - 64 - 76 - 83 - 92 - 95 - 105 - 114 mm |
| Corresponding arbors, adapter, bits | 0712/600 - 0712/900 - 0712/300 |
| Extension | 300 mm |

0712-X00

DRILL BIT

Suitable for all brands.



HSS

Box

| Art. | Stem | For arbor | Length | Pack |
|----------|-----------|----------------|--------|------|
| 0712/300 | Ø 6,35 mm | 0712/600 | 105 mm | 10 |
| 0712/200 | Ø 6,35 mm | 0712/700 - 800 | 75 mm | 10 |

0712/900

ARBOR ADAPTER FOR HOLE SAWS



Box

| | |
|----------------------|---------------------|
| Gear Reduction ratio | 1/2" - 5/8" |
| For arbor | 0712/600 - 0712/700 |

0712-X0

HOLE SAW ARBOR WITH DRILL BIT

Hexagonal connection, suitable for all brands.



Box

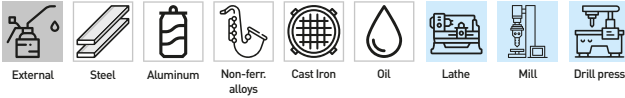
HSS

| Art. | Shank | Stem | Hole saw | Thread |
|----------|-----------------|-----------|-------------|--------|
| 0712/600 | Shank Round | Ø 6,35 mm | Ø 14÷30 mm | 1/2" |
| 0712/700 | Shank Hexagonal | Ø 9,5 mm | Ø 14÷30 mm | 1/2" |
| 0712/800 | Shank Hexagonal | Ø 11 mm | Ø 32÷152 mm | 5/8" |



A208B-
MACHINE REAMER

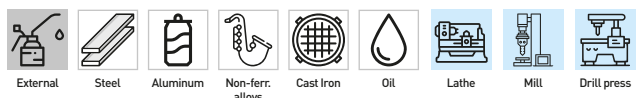
Ground for H7 couplings. Right-hand cut, left-hand helical cutting edges, Morse taper attachment. They can be used mainly for through holes but thanks to the short mouth it is also possible to bore blind holes.



| Art. | øH7 | L | I | MT |
|----------|-------|--------|-------|----|
| A208B/05 | 5 mm | 133 mm | 23 mm | 1 |
| A208B/06 | 6 mm | 138 mm | 26 mm | 1 |
| A208B/07 | 7 mm | 150 mm | 31 mm | 1 |
| A208B/08 | 8 mm | 156 mm | 33 mm | 1 |
| A208B/09 | 9 mm | 162 mm | 36 mm | 1 |
| A208B/10 | 10 mm | 168 mm | 38 mm | 1 |
| A208B/11 | 11 mm | 175 mm | 41 mm | 1 |
| A208B/12 | 12 mm | 182 mm | 44 mm | 1 |
| A208B/13 | 13 mm | 182 mm | 44 mm | 1 |
| A208B/14 | 14 mm | 189 mm | 47 mm | 1 |
| A208B/15 | 15 mm | 204 mm | 50 mm | 2 |
| A208B/16 | 16 mm | 210 mm | 52 mm | 2 |
| A208B/17 | 17 mm | 214 mm | 54 mm | 2 |
| A208B/18 | 18 mm | 219 mm | 56 mm | 2 |
| A208B/19 | 19 mm | 223 mm | 58 mm | 2 |
| A208B/20 | 20 mm | 228 mm | 60 mm | 2 |
| A208B/21 | 21 mm | 232 mm | 62 mm | 2 |
| A208B/22 | 22 mm | 237 mm | 64 mm | 2 |
| A208B/23 | 23 mm | 241 mm | 66 mm | 2 |
| A208B/24 | 24 mm | 268 mm | 68 mm | 3 |
| A208B/25 | 25 mm | 268 mm | 68 mm | 3 |
| A208B/26 | 26 mm | 273 mm | 70 mm | 3 |
| A208B/27 | 27 mm | 277 mm | 71 mm | 3 |
| A208B/28 | 28 mm | 277 mm | 71 mm | 3 |
| A208B/29 | 29 mm | 281 mm | 73 mm | 3 |
| A208B/30 | 30 mm | 281 mm | 73 mm | 3 |
| A208B/31 | 31 mm | 285 mm | 75 mm | 3 |
| A208B/32 | 32 mm | 317 mm | 77 mm | 4 |
| A208B/34 | 34 mm | 321 mm | 78 mm | 4 |
| A208B/35 | 35 mm | 321 mm | 78 mm | 4 |
| A208B/36 | 36 mm | 325 mm | 79 mm | 4 |
| A208B/38 | 38 mm | 329 mm | 81 mm | 4 |
| A208B/40 | 40 mm | 329 mm | 81 mm | 4 |

A212-
MACHINE REAMER

Ground for H7 couplings. Right-hand cut, left-hand helical cutting edges, cylindrical attachment. They can be used mainly for through holes but thanks to the short mouth it is also possible to bore blind holes.



| Art. | øH7 | L | I | d h9 | Z |
|------------|--------|--------|-------|--------|---|
| A212/02.00 | 2 mm | 49 mm | 11 mm | 2 mm | 4 |
| A212/02.50 | 2,5 mm | 57 mm | 14 mm | 2,5 mm | 4 |
| A212/03.00 | 3 mm | 61 mm | 15 mm | 3 mm | 4 |
| A212/03.50 | 3,5 mm | 70 mm | 18 mm | 3,5 mm | 6 |
| A212/04.50 | 4,5 mm | 80 mm | 21 mm | 4,5 mm | 6 |
| A212/05.00 | 5 mm | 86 mm | 23 mm | 5 mm | 6 |
| A212/05.50 | 5,5 mm | 93 mm | 26 mm | 5,5 mm | 6 |
| A212/06.00 | 6 mm | 93 mm | 26 mm | 6 mm | 6 |
| A212/06.50 | 6,5 mm | 101 mm | 28 mm | 6,5 mm | 6 |
| A212/07.00 | 7 mm | 109 mm | 31 mm | 7 mm | 6 |
| A212/07.50 | 7,5 mm | 109 mm | 31 mm | 7 mm | 6 |
| A212/08.00 | 8 mm | 117 mm | 33 mm | 8 mm | 6 |
| A212/08.50 | 8,5 mm | 117 mm | 33 mm | 8 mm | 6 |
| A212/09.00 | 9 mm | 125 mm | 36 mm | 9 mm | 6 |
| A212/09.50 | 9,5 mm | 125 mm | 36 mm | 9 mm | 6 |
| A212/10.00 | 10 mm | 133 mm | 38 mm | 10 mm | 6 |
| A212/11.00 | 11 mm | 142 mm | 41 mm | 10 mm | 6 |
| A212/12.00 | 12 mm | 151 mm | 44 mm | 10 mm | 6 |
| A212/13.00 | 13 mm | 151 mm | 44 mm | 10 mm | 6 |
| A212/14.00 | 14 mm | 160 mm | 47 mm | 12 mm | 6 |
| A212/15.00 | 15 mm | 162 mm | 50 mm | 12 mm | 8 |
| A212/16.00 | 16 mm | 170 mm | 52 mm | 12 mm | 8 |

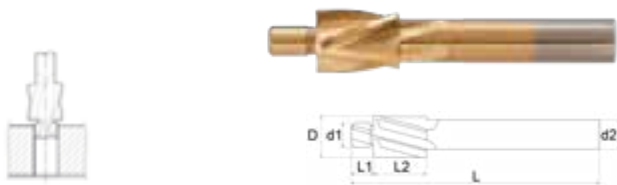




L018-

SOLID CAP SCREW COUNTER BORE BEFORE THREAD GRADE

For pre-drilled threads.

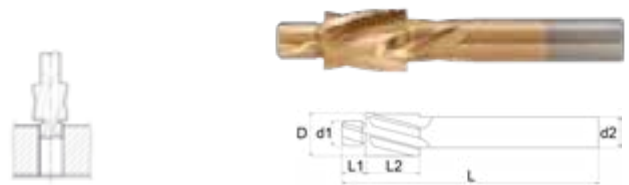


| Art. | Screw | D | d1 | d2 | L1 | L2 | L |
|---------|-------|-------|---------|---------|-------|-------|--------|
| L018/03 | M3 | 6 mm | 2,5 mm | 5 mm | 4 mm | 14 mm | 71 mm |
| L018/04 | M4 | 8 mm | 3,3 mm | 5 mm | 5 mm | 14 mm | 71 mm |
| L018/05 | M5 | 10 mm | 4,2 mm | 8 mm | 6 mm | 18 mm | 80 mm |
| L018/06 | M6 | 11 mm | 5,0 mm | 8 mm | 7 mm | 18 mm | 80 mm |
| L018/08 | M8 | 15 mm | 6,8 mm | 12,5 mm | 9 mm | 22 mm | 100 mm |
| L018/10 | M10 | 18 mm | 8,5 mm | 12,5 mm | 14 mm | 22 mm | 100 mm |
| L018/12 | M12 | 20 mm | 10,2 mm | 12,5 mm | 14 mm | 22 mm | 100 mm |

L019-

SOLID CAP SCREW COUNTER BORE FINE GRADE

For through holes for the execution of precision screws or bolts.

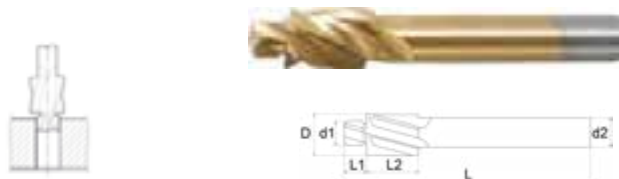


| Art. | Screw | D | d1 | d2 | L1 | L2 | L |
|---------|-------|-------|---------|---------|-------|-------|--------|
| L019/03 | M3 | 6 mm | 3,2 mm | 5 mm | 4 mm | 14 mm | 71 mm |
| L019/04 | M4 | 8 mm | 4,3 mm | 5 mm | 5 mm | 14 mm | 71 mm |
| L019/05 | M5 | 10 mm | 5,3 mm | 8 mm | 6 mm | 18 mm | 80 mm |
| L019/06 | M6 | 11 mm | 6,4 mm | 8 mm | 7 mm | 18 mm | 80 mm |
| L019/08 | M8 | 15 mm | 8,4 mm | 12,5 mm | 9 mm | 22 mm | 100 mm |
| L019/10 | M10 | 18 mm | 10,5 mm | 12,5 mm | 14 mm | 22 mm | 100 mm |
| L019/12 | M12 | 20 mm | 13,0 mm | 12,5 mm | 14 mm | 22 mm | 100 mm |

L020-

COUNTERBORER WITH SOLID PILOT STRAIGHT SHANK MEDIUM TYPE

For through holes.

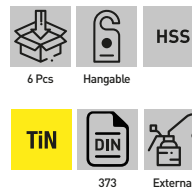
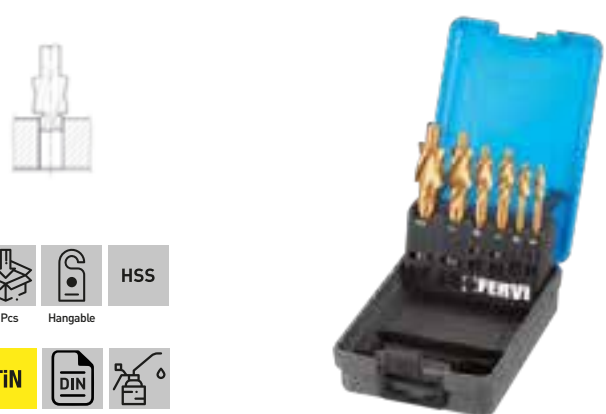


| Art. | Screw | D | d1 | d2 | L1 | L2 | L |
|---------|-------|-------|---------|---------|-------|-------|--------|
| L020/03 | M 3 | 6 mm | 3,4 mm | 5 mm | 4 mm | 14 mm | 71 mm |
| L020/04 | M 4 | 8 mm | 4,5 mm | 5 mm | 5 mm | 14 mm | 71 mm |
| L020/05 | M 5 | 10 mm | 5,5 mm | 8 mm | 6 mm | 18 mm | 80 mm |
| L020/06 | M 6 | 11 mm | 6,6 mm | 8 mm | 7 mm | 18 mm | 80 mm |
| L020/08 | M 8 | 15 mm | 9 mm | 12,5 mm | 9 mm | 22 mm | 100 mm |
| L020/10 | M 10 | 18 mm | 11 mm | 12,5 mm | 14 mm | 22 mm | 100 mm |
| L020/12 | M 12 | 20 mm | 13,5 mm | 12,5 mm | 14 mm | 22 mm | 100 mm |

L018S

SOLID CAP SCREW COUNTER BORE SET BEFORE THREAD

For pre-drilled threads.



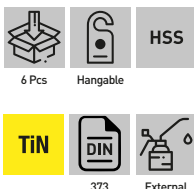
For screws

M3, M4, M5, M6, M8, M10

L019S

SOLID CAP SCREW COUNTER BORE SET FINE GRADE

For through holes for the execution of precision screws or bolts.



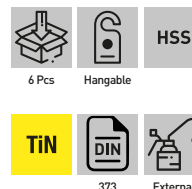
For screws

M3, M4, M5, M6, M8, M10

L020S

SOLID CAP SCREW COUNTER BORE SET MEDIUM GRADE

For through holes.

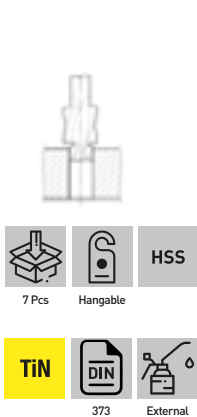


For screws

M3, M4, M5, M6, M8, M10

L020
7 PCS COUNTERBORER WITH SOLID PILOT STRAIGHT SHANK

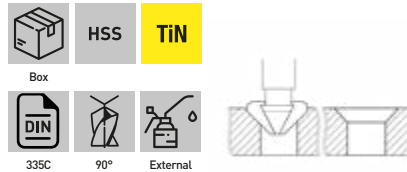
For through holes.



For screws M3, M4, M5, M6, M8, M10, M12

S0X
NEW
90° THREE FLUTES COUNTERSINK

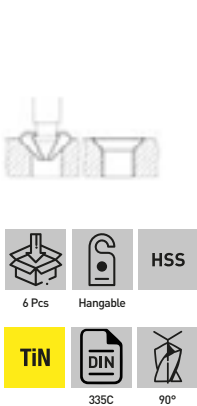
With ground edges and grooves machined from solid, to perform conical countersinks without vibrations.



| Art. | ∅ max | Screws M | Stem |
|--------|---------|---------------|---------|
| S006 | 6,3 mm | 3 | ∅ 5 mm |
| S006/A | 6 mm | 3 - DIN 74 AF | ∅ 5 mm |
| S008 | 8 mm | 4 - DIN 74 AF | ∅ 6 mm |
| S010 | 10,4 mm | 5 | ∅ 6 mm |
| S010/A | 10 mm | 5- DIN 74 AF | ∅ 6 mm |
| S012 | 12,4 mm | 6 | ∅ 8 mm |
| S016 | 16,5 mm | 8 | ∅ 10 mm |
| S020 | 20,5 mm | 10 | ∅ 10 mm |
| S025 | 25 mm | 12 | ∅ 10 mm |
| S028 | 28 mm | 14 | ∅ 12 mm |
| S031 | 31 mm | 16 | ∅ 12 mm |
| S040 | 40 mm | -- | ∅ 15 mm |

S001
90° THREE FLUTES COUNTERSINK SET

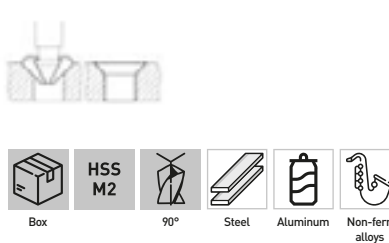
With ground edges and grooves machined from solid, to perform conical countersinks without vibrations.



∅ max 6 - 8 - 10 - 12,4 - 16,5 - 20,5 mm

S026-
COUNTERSINK WITH HEX SHANK

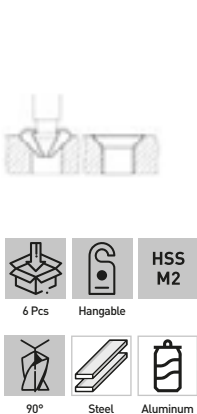
To perform conical countersinks without vibrations.



| Art. | ∅ | Total length | Shank dimensions |
|---------|---------|--------------|------------------|
| S026/06 | 6,3 mm | 31 mm | 1/4" HEX x 25 mm |
| S026/08 | 8,3 mm | 31 mm | 1/4" HEX x 25 mm |
| S026/10 | 10,4 mm | 34 mm | 1/4" HEX x 25 mm |
| S026/12 | 12,4 mm | 35 mm | 1/4" HEX x 25 mm |
| S026/16 | 16,5 mm | 40 mm | 1/4" HEX x 25 mm |
| S026/20 | 20,5 mm | 41 mm | 1/4" HEX x 25 mm |

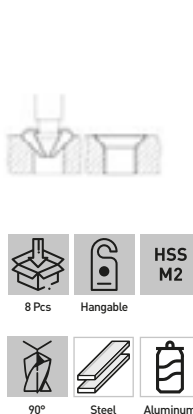
S026/06-20S
COUNTERSINK SET WITH HEX SHANK

To perform conical countersinks without vibrations.


 Sizes 6,3 - 8,3 - 10,4 - 12,4 - 16,5 - 20,5 mm
 Shank dimensions 1/4" HEX x 25 mm

S026/06-20SM
COUNTERSINK SET WITH HEX SHANK

To perform conical countersinks without vibrations. With handle and magnetic extension.

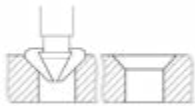

 Sizes 6,3 - 8,3 - 10,4 - 12,4 - 16,5 - 20,5 mm
 Shank dimensions 1/4" HEX x 25 mm



S1- **NEW**

60° THREE FLUTES COUNTERSINK

With ground edges and grooves machined from solid, to perform conical countersinks without vibrations.



| Art. | ø max | Length | Stem |
|-------|---------|--------|-------|
| S1/06 | 6.3 mm | 45 mm | 5 mm |
| S1/08 | 8 mm | 50 mm | 6 mm |
| S1/10 | 10 mm | 53 mm | 6 mm |
| S1/12 | 12,5 mm | 56 mm | 8 mm |
| S1/16 | 16 mm | 63 mm | 10 mm |
| S1/20 | 20 mm | 67 mm | 10 mm |
| S1/25 | 25 mm | 71 mm | 10 mm |

A014-

TAPER DRILL

With cylindrical shank.



| Art. | ø | Total length |
|------------|--------------|--------------|
| A014/03-14 | 3 - 14 mm | 58 mm |
| A014/06-20 | 6 - 20 mm | 63 mm |
| A014/16-30 | 16 - 30,5 mm | 72 mm |
| A014/26-40 | 26 - 40 mm | 86 mm |
| A014/36-50 | 36 - 50 mm | 89 mm |
| A014/40-61 | 40 - 61 mm | 94 mm |
| A014/03-31 | 3 - 31 mm | 104 mm |
| A014/03-22 | 3 - 22,5 mm | 76 mm |

F639

STEP DRILL BITS

For creating and enlarging holes in sheet metal.



| Stem | 10 mm |
|------|---|
| ø | 6 + 39 (6-9-12-15-18-21-24-27-30-33-36-39) mm |

S001/60 **NEW**

60° THREE FLUTES COUNTERSINK SET

With ground edges and grooves machined from solid, to perform conical countersinks without vibrations.



| ø max | 6-8-10-12,5-16-20 mm |
|-------|----------------------|
|-------|----------------------|

A014/03-30S

TAPER DRILLS SET

With cylindrical shank.



| Sizes | 3-14 - 6-20 - 16-30,5 mm |
|-------|--------------------------|
|-------|--------------------------|

F430

STEP DRILL BITS SET

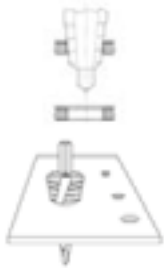
For creating and enlarging holes in sheet metal.



| Stem | 6 - 8 - 10 mm |
|------|-----------------------------|
| ø | 4 + 12 - 6 + 20 - 6 + 30 mm |

F23X
STEP DRILL BITS

For creating and enlarging holes in sheet metal, with interchangeable point.



| Art. | Stem | Ø |
|------|-------|---|
| F232 | 10 mm | 2,5 ÷ 32 (2,5-6,3-11,2-14,5-18,2-22,3-27,9-32) mm |
| F238 | 10 mm | 2,5 ÷ 38 (2,5-6,3-13-16-19-21-23-26-29-32-35-38) mm |

F025
SPARE PART POINT

Suitable with F232 F238.



| | |
|------------------|----------|
| Stem | 4 mm |
| Spare part point | Ø 2,5 mm |

P037-
MILLING DRILLS

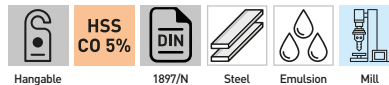
For drilling and milling of thin materials.



| Art. | Ø | Stem | Total length |
|--------|------|------|--------------|
| P037/6 | 6 mm | 6 mm | 90 mm |
| P037/8 | 8 mm | 8 mm | 90 mm |

P036-
SPOT DRILLS

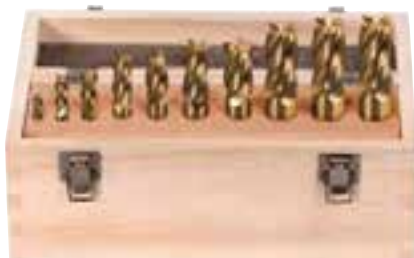
To remove welding spots and to drill metal sheets in general.



| Art. | Ø | Total length |
|---------|-------|--------------|
| P036/06 | 6 mm | 66 mm |
| P036/07 | 7 mm | 74 mm |
| P036/08 | 8 mm | 79 mm |
| P036/10 | 10 mm | 89 mm |

F001/10
SET FRONTAL ROUGHING END MILLS

regular length, center cutting, weldon shank.



| | |
|------|---|
| Mill | Ø 6 8 10 12 14 16 18 20 22 25 mm |
| Stem | Ø 6 10 10 12 12 16 16 20 20 25 mm |

F001/20
SET END MILLS

Two and four flute, regular length, weldon shank, center cutting.



| | |
|--------------|--|
| 2 Flute mill | Ø 3 - 4 - 5 - 6 - 8 - 10 - 12 - 14 - 18 - 20 mm |
| Stem | Ø 6 - 6 - 6 - 6 - 10 - 10 - 12 - 12 - 16 - 20 mm |
| 4 Flute mill | Ø 3 - 4 - 5 - 6 - 8 - 10 - 12 - 14 - 18 - 20 mm |
| Stem | Ø 6 - 6 - 6 - 6 - 10 - 10 - 12 - 12 - 16 - 20 mm |



F005-

2 FLUTE STRAIGHT SHANK END MILL

For finish, cylindrical shank, weldon connection, normal series.



| Art. | D | d | l | Z | L |
|---------|-------|-------|-------|---|-------|
| F005/03 | 3 mm | 6 mm | 5 mm | 2 | 49 mm |
| F005/04 | 4 mm | 6 mm | 7 mm | 2 | 51 mm |
| F005/05 | 5 mm | 6 mm | 8 mm | 2 | 52 mm |
| F005/06 | 6 mm | 6 mm | 8 mm | 2 | 52 mm |
| F005/08 | 8 mm | 10 mm | 11 mm | 2 | 61 mm |
| F005/10 | 10 mm | 10 mm | 13 mm | 2 | 63 mm |
| F005/12 | 12 mm | 12 mm | 16 mm | 2 | 73 mm |



| Art. | D | d | l | Z | L |
|---------|-------|-------|-------|---|-------|
| F005/14 | 14 mm | 12 mm | 16 mm | 2 | 73 mm |
| F005/16 | 16 mm | 16 mm | 19 mm | 2 | 79 mm |
| F005/18 | 18 mm | 16 mm | 19 mm | 2 | 79 mm |
| F005/20 | 20 mm | 20 mm | 22 mm | 2 | 88 mm |
| F005/22 | 22 mm | 20 mm | 22 mm | 2 | 88 mm |
| F005/24 | 24 mm | 20 mm | 26 mm | 2 | 92 mm |
| F005/25 | 25 mm | 20 mm | 26 mm | 2 | 92 mm |

F006-

4 FLUTE STRAIGHT SHANK END MILL

For finish, cylindrical shank, weldon connection, normal series.



| Art. | D | d | l | Z | L |
|---------|-------|-------|-------|---|-------|
| F006/03 | 3 mm | 6 mm | 8 mm | 4 | 52 mm |
| F006/04 | 4 mm | 6 mm | 11 mm | 4 | 55 mm |
| F006/05 | 5 mm | 6 mm | 13 mm | 4 | 57 mm |
| F006/06 | 6 mm | 6 mm | 13 mm | 4 | 57 mm |
| F006/08 | 8 mm | 10 mm | 19 mm | 4 | 69 mm |
| F006/10 | 10 mm | 10 mm | 22 mm | 4 | 72 mm |



| Art. | D | d | l | Z | L |
|---------|-------|-------|-------|---|--------|
| F006/12 | 12 mm | 12 mm | 26 mm | 4 | 83 mm |
| F006/14 | 14 mm | 12 mm | 26 mm | 4 | 83 mm |
| F006/16 | 16 mm | 16 mm | 32 mm | 4 | 92 mm |
| F006/18 | 18 mm | 16 mm | 32 mm | 4 | 92 mm |
| F006/20 | 20 mm | 20 mm | 38 mm | 4 | 104 mm |

F007-

4 FLUTE STRAIGHT SHANK ROUGHING END MILL

Regular length weldon shank center cutting.



| Art. | D | d | l | Z | L |
|---------|-------|-------|-------|---|-------|
| F007/06 | 6 mm | 6 mm | 13 mm | 4 | 57 mm |
| F007/07 | 7 mm | 10 mm | 16 mm | 4 | 66 mm |
| F007/08 | 8 mm | 10 mm | 19 mm | 4 | 69 mm |
| F007/09 | 9 mm | 10 mm | 19 mm | 4 | 69 mm |
| F007/10 | 10 mm | 10 mm | 22 mm | 4 | 72 mm |
| F007/11 | 11 mm | 12 mm | 22 mm | 4 | 76 mm |
| F007/12 | 12 mm | 12 mm | 26 mm | 4 | 83 mm |
| F007/13 | 13 mm | 12 mm | 26 mm | 4 | 83 mm |



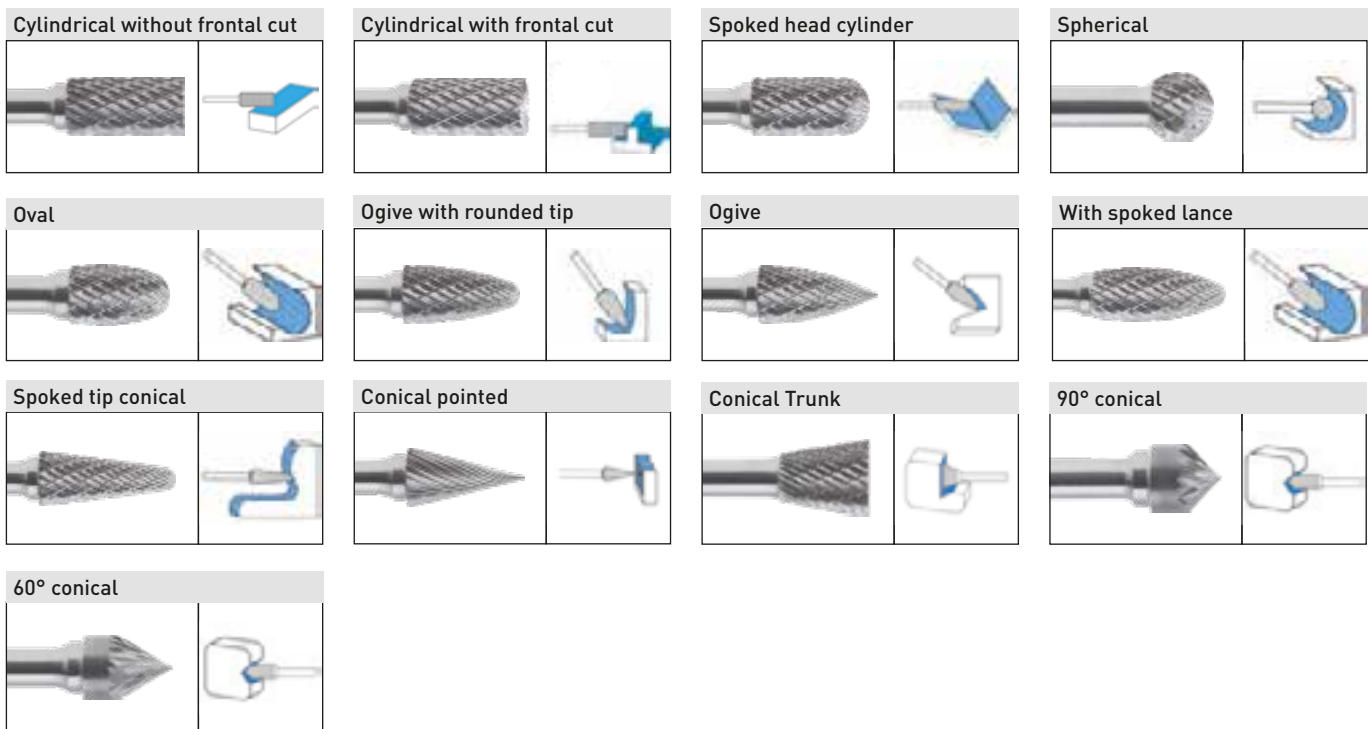
| Art. | D | d | l | Z | L |
|---------|-------|-------|-------|---|--------|
| F007/14 | 14 mm | 12 mm | 26 mm | 4 | 83 mm |
| F007/15 | 15 mm | 12 mm | 26 mm | 4 | 83 mm |
| F007/16 | 16 mm | 16 mm | 32 mm | 4 | 92 mm |
| F007/18 | 18 mm | 16 mm | 32 mm | 4 | 92 mm |
| F007/20 | 20 mm | 20 mm | 38 mm | 4 | 104 mm |
| F007/22 | 22 mm | 20 mm | 38 mm | 4 | 104 mm |
| F007/25 | 25 mm | 25 mm | 45 mm | 4 | 121 mm |



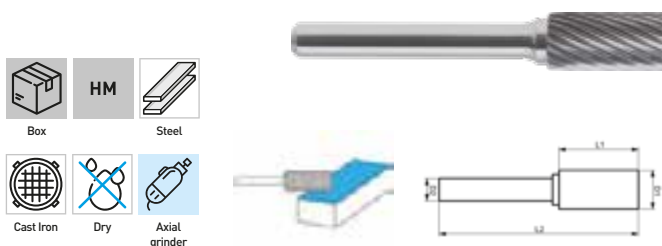
HARD METAL ROTARY MILLING MACHINES

| Cut type | Representation | Description |
|-------------------|----------------|---|
| Standard Cut | | Suitable for cutting steel, hardened steel, cast iron, weld seams and metal materials in general. |
| Cross cut | | Suitable for treated steel, stainless steel, metal materials in general. Thanks to this type of cut, vibrations are considerably reduced. |
| Aluminium cutting | | Suitable for aluminium, magnesium, plastics and hard rubber. |

TYOLOGIES OF SHAPES AND THEIR USE

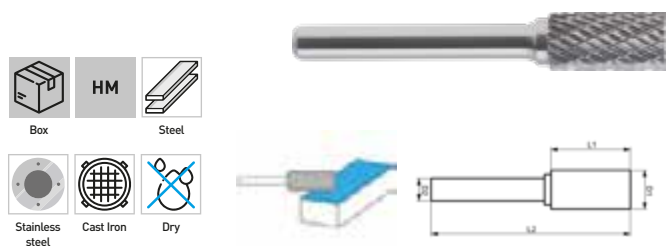


AXSC CYLINDRICAL ROTARY CUTTERS WITHOUT FACE CUT



| Art. | D1 | L1 | D2 | L2 |
|--------|--------|-------|------|-------|
| A02SC3 | ø2 mm | 10 mm | 3 mm | 38 mm |
| A06SC6 | ø6 mm | 16 mm | 6 mm | 61 mm |
| A08SC6 | ø8 mm | 20 mm | 6 mm | 65 mm |
| A10SC6 | ø10 mm | 20 mm | 6 mm | 65 mm |
| A12SC6 | ø12 mm | 25 mm | 6 mm | 70 mm |
| A16SC6 | ø16 mm | 25 mm | 6 mm | 70 mm |

AXDC ROTARY BURRS Diamond cut

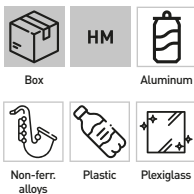


| Art. | D1 | L1 | D2 | L2 |
|--------|--------|-------|------|-------|
| A02DC3 | ø2 mm | 10 mm | 3 mm | 38 mm |
| A06DC6 | ø6 mm | 16 mm | 6 mm | 61 mm |
| A08DC6 | ø8 mm | 20 mm | 6 mm | 65 mm |
| A10DC6 | ø10 mm | 20 mm | 6 mm | 65 mm |
| A12DC6 | ø12 mm | 25 mm | 6 mm | 70 mm |
| A16DC6 | ø16 mm | 25 mm | 6 mm | 70 mm |



A12AL6

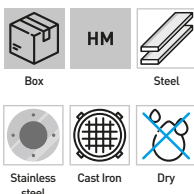
ROTARY BURRS FOR ALUMINIUM



| | |
|----|--------|
| D1 | ø12 mm |
| L1 | 25 mm |
| D2 | 6 mm |
| L2 | 70 mm |

BXDC

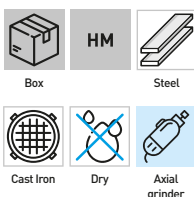
DIAMOND CUT ROTARY BURRS



| Art. | D1 | L1 | D2 | L2 |
|--------|--------|-------|------|-------|
| B02DC3 | ø2 mm | 10 mm | 3 mm | 38 mm |
| B03DC3 | ø3 mm | 13 mm | 3 mm | 38 mm |
| B04DC3 | ø4 mm | 13 mm | 3 mm | 41 mm |
| B04DC6 | ø4 mm | 13 mm | 6 mm | 58 mm |
| B06DC6 | ø6 mm | 16 mm | 6 mm | 61 mm |
| B08DC6 | ø8 mm | 20 mm | 6 mm | 65 mm |
| B10DC6 | ø10 mm | 20 mm | 6 mm | 65 mm |
| B12DC6 | ø12 mm | 25 mm | 6 mm | 70 mm |
| B16DC6 | ø16 mm | 25 mm | 6 mm | 70 mm |
| B19DC6 | ø19 mm | 25 mm | 6 mm | 70 mm |
| B22DC6 | ø22 mm | 25 mm | 6 mm | 70 mm |
| B25DC6 | ø25 mm | 25 mm | 6 mm | 70 mm |

BXSCXL

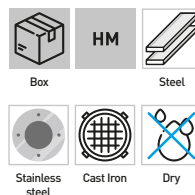
SINGLE CUT LONG ROTARY BURRS



| Art. | D1 | L1 | D2 | L2 |
|---------|--------|-------|------|--------|
| B02SC3L | ø2 mm | 10 mm | 3 mm | 65 mm |
| B03SC3L | ø3 mm | 13 mm | 3 mm | 65 mm |
| B08SC6L | ø8 mm | 20 mm | 6 mm | 120 mm |
| B10SC6L | ø10 mm | 20 mm | 6 mm | 120 mm |
| B12SC6L | ø12 mm | 25 mm | 6 mm | 120 mm |

BXSC

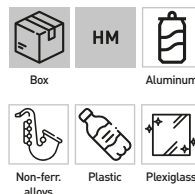
SINGLE CUT ROTARY BURRS



| Art. | D1 | L1 | D2 | L2 |
|--------|--------|-------|------|-------|
| B02SC3 | ø2 mm | 10 mm | 3 mm | 38 mm |
| B03SC3 | ø3 mm | 13 mm | 3 mm | 38 mm |
| B04SC3 | ø4 mm | 13 mm | 3 mm | 41 mm |
| B04SC6 | ø4 mm | 13 mm | 6 mm | 58 mm |
| B06SC6 | ø6 mm | 16 mm | 6 mm | 61 mm |
| B08SC6 | ø8 mm | 20 mm | 6 mm | 65 mm |
| B10SC6 | ø10 mm | 20 mm | 6 mm | 65 mm |
| B12SC6 | ø12 mm | 25 mm | 6 mm | 70 mm |
| B16SC6 | ø16 mm | 25 mm | 6 mm | 70 mm |

BXAL

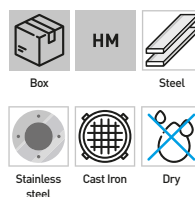
ROTARY BURRS FOR ALUMINIUM



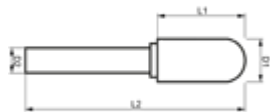
| Art. | D1 | L1 | D2 | L2 |
|--------|--------|-------|------|-------|
| B06AL6 | ø6 mm | 16 mm | 6 mm | 61 mm |
| B08AL6 | ø8 mm | 20 mm | 6 mm | 65 mm |
| B10AL6 | ø10 mm | 20 mm | 6 mm | 65 mm |
| B12AL6 | ø12 mm | 25 mm | 6 mm | 70 mm |

BXDCXL

CARBIDE ROTARY BURRS



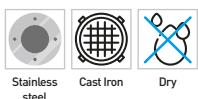
| Art. | D1 | L1 | D2 | L2 |
|---------|--------|-------|------|--------|
| B02DC3L | ø2 mm | 10 mm | 3 mm | 65 mm |
| B03DC3L | ø3 mm | 13 mm | 3 mm | 65 mm |
| B08DC6L | ø8 mm | 20 mm | 6 mm | 120 mm |
| B10DC6L | ø10 mm | 20 mm | 6 mm | 120 mm |
| B12DC6L | ø12 mm | 25 mm | 6 mm | 120 mm |

CXSC
SINGLE CUT ROTARY BURRS


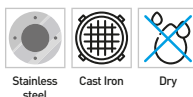
| Art. | D1 | L1 | D2 | L2 |
|--------|--------|-------|------|-------|
| C02SC3 | ø2 mm | 10 mm | 3 mm | 38 mm |
| C03SC3 | ø3 mm | 13 mm | 3 mm | 38 mm |
| C04SC3 | ø4 mm | 13 mm | 3 mm | 58 mm |
| C04SC6 | ø4 mm | 13 mm | 6 mm | 58 mm |
| C06SC6 | ø6 mm | 16 mm | 6 mm | 61 mm |
| C08SC6 | ø8 mm | 20 mm | 6 mm | 65 mm |
| C10SC6 | ø10 mm | 20 mm | 6 mm | 65 mm |
| C12SC6 | ø12 mm | 25 mm | 6 mm | 70 mm |
| C16SC6 | ø16 mm | 25 mm | 6 mm | 70 mm |

CXAL
ROTARY BURRS FOR ALUMINIUM


| Art. | D1 | L1 | D2 | L2 |
|--------|--------|-------|------|-------|
| C06AL6 | ø6 mm | 16 mm | 6 mm | 61 mm |
| C08AL6 | ø8 mm | 20 mm | 6 mm | 65 mm |
| C10AL6 | ø10 mm | 20 mm | 6 mm | 65 mm |
| C12AL6 | ø12 mm | 25 mm | 6 mm | 70 mm |

DXDC
DIAMOND CUT ROTARY BURRS


| Art. | D1 | L1 | D2 | L2 |
|--------|--------|---------|------|-------|
| D03DC3 | ø3 mm | 2.7 mm | 3 mm | 38 mm |
| D04DC6 | ø4 mm | 3.6 mm | 6 mm | 38 mm |
| D06DC6 | ø6 mm | 5.4 mm | 6 mm | 50 mm |
| D08DC6 | ø8 mm | 7.2 mm | 6 mm | 52 mm |
| D10DC6 | ø10 mm | 9 mm | 6 mm | 54 mm |
| D12DC6 | ø12 mm | 10.8 mm | 6 mm | 56 mm |
| D16DC6 | ø16 mm | 14.4 mm | 6 mm | 60 mm |
| D19DC6 | ø19 mm | 17.4 mm | 6 mm | 64 mm |

CXDC
DIAMOND CUT ROTARY BURRS


| Art. | D1 | L1 | D2 | L2 |
|--------|--------|-------|------|-------|
| C02DC3 | ø2 mm | 10 mm | 3 mm | 38 mm |
| C03DC3 | ø3 mm | 13 mm | 3 mm | 38 mm |
| C04DC3 | ø4 mm | 13 mm | 3 mm | 38 mm |
| C04DC6 | ø4 mm | 13 mm | 6 mm | 38 mm |
| C06DC6 | ø6 mm | 16 mm | 6 mm | 61 mm |
| C08DC6 | ø8 mm | 20 mm | 6 mm | 65 mm |
| C10DC6 | ø10 mm | 20 mm | 6 mm | 65 mm |
| C12DC6 | ø12 mm | 25 mm | 6 mm | 70 mm |
| C16DC6 | ø16 mm | 25 mm | 6 mm | 70 mm |
| C19DC6 | ø19 mm | 25 mm | 6 mm | 70 mm |
| C22DC6 | ø22 mm | 25 mm | 6 mm | 70 mm |
| C25DC6 | ø25 mm | 25 mm | 6 mm | 70 mm |

DXSC
SINGLE CUT ROTARY BURRS


| Art. | D1 | L1 | D2 | L2 |
|--------|--------|---------|------|-------|
| D03SC3 | ø3 mm | 2.7 mm | 3 mm | 38 mm |
| D04SC6 | ø4 mm | 3.6 mm | 6 mm | 38 mm |
| D06SC6 | ø6 mm | 5.4 mm | 6 mm | 50 mm |
| D08SC6 | ø8 mm | 7.2 mm | 6 mm | 52 mm |
| D10SC6 | ø10 mm | 9 mm | 6 mm | 54 mm |
| D12SC6 | ø12 mm | 10.8 mm | 6 mm | 56 mm |
| D16SC6 | ø16 mm | 14.4 mm | 6 mm | 60 mm |

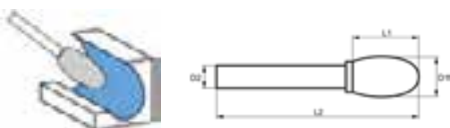
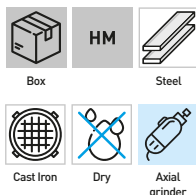
DXAL
ROTARY BURRS FOR ALUMINIUM


| Art. | D1 | L1 | D2 | L2 |
|--------|--------|--------|------|-------|
| D06AL6 | ø6 mm | 5.4 mm | 6 mm | 50 mm |
| D08AL6 | ø8 mm | 7.2 mm | 6 mm | 52 mm |
| D10AL6 | ø10 mm | 9 mm | 6 mm | 54 mm |



EXSC

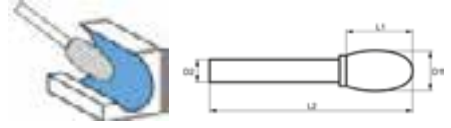
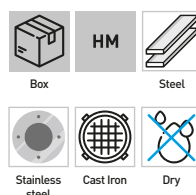
SINGLE CUT ROTARY BURRS



| Art. | D1 | L1 | D2 | L2 |
|--------|--------|-------|------|-------|
| E08SC6 | ø8 mm | 13 mm | 6 mm | 58 mm |
| E10SC6 | ø10 mm | 16 mm | 6 mm | 61 mm |
| E12SC6 | ø12 mm | 20 mm | 6 mm | 65 mm |
| E16SC6 | ø16 mm | 25 mm | 6 mm | 70 mm |

EXDC

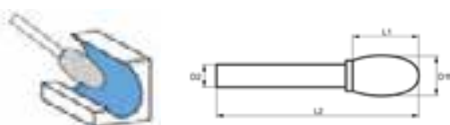
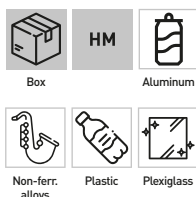
DIAMOND CUT ROTARY BURRS



| Art. | D1 | L1 | D2 | L2 |
|--------|--------|-------|------|-------|
| E08DC6 | ø8 mm | 13 mm | 6 mm | 58 mm |
| E10DC6 | ø10 mm | 16 mm | 6 mm | 61 mm |
| E12DC6 | ø12 mm | 20 mm | 6 mm | 65 mm |
| E16DC6 | ø16 mm | 25 mm | 6 mm | 70 mm |

EXAL

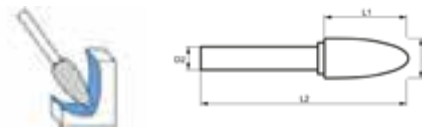
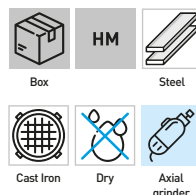
ROTARY BURRS FOR ALUMINIUM



| Art. | D1 | L1 | D2 | L2 |
|--------|-------|-------|------|-------|
| E10AL6 | 10 mm | 16 mm | 6 mm | 61 mm |
| E12AL6 | 12 mm | 20 mm | 6 mm | 65 mm |

FXSC

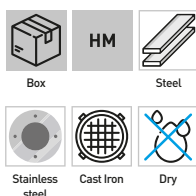
SINGLE CUT ROTARY BURRS



| Art. | D1 | D2 | L1 | L2 |
|--------|--------|-------|------|-------|
| F03SC3 | ø3 mm | 13 mm | 3 mm | 38 mm |
| F06SC6 | ø6 mm | 18 mm | 6 mm | 63 mm |
| F08SC6 | ø8 mm | 20 mm | 6 mm | 65 mm |
| F10SC6 | ø10 mm | 20 mm | 6 mm | 65 mm |
| F12SC6 | ø12 mm | 25 mm | 6 mm | 70 mm |

FXDC

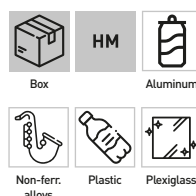
DIAMOND CUT ROTARY BURRS



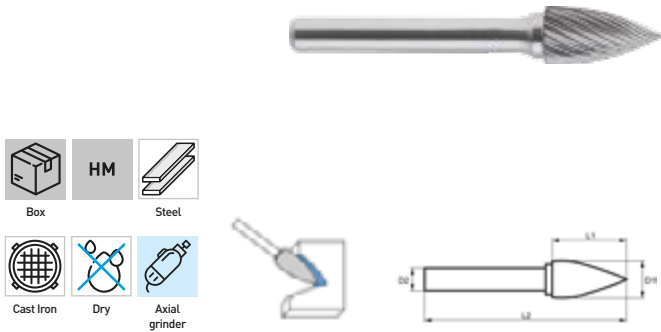
| Art. | D1 | D2 | L1 | L2 |
|--------|--------|-------|------|-------|
| F03DC3 | ø3 mm | 13 mm | 3 mm | 38 mm |
| F06DC6 | ø6 mm | 18 mm | 6 mm | 63 mm |
| F08DC6 | ø8 mm | 20 mm | 6 mm | 65 mm |
| F10DC6 | ø10 mm | 20 mm | 6 mm | 65 mm |
| F12DC6 | ø12 mm | 25 mm | 6 mm | 70 mm |
| F16DC6 | ø16 mm | 25 mm | 6 mm | 70 mm |
| F19DC6 | ø19 mm | 25 mm | 6 mm | 70 mm |

FXAL

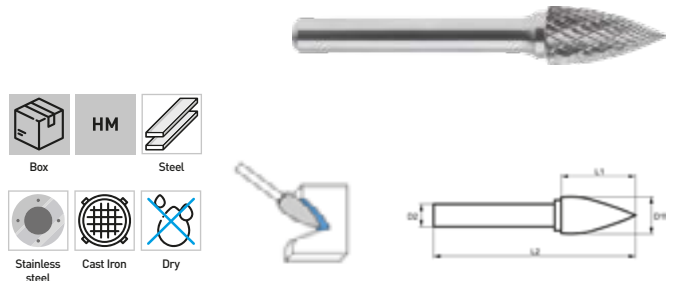
ROTARY BURRS FOR ALUMINIUM



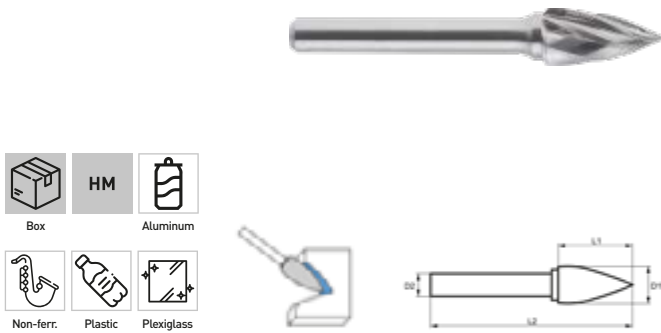
| Art. | D1 | L1 | D2 | L2 |
|--------|--------|-------|------|-------|
| F10AL6 | ø10 mm | 20 mm | 6 mm | 65 mm |
| F12AL6 | ø12 mm | 25 mm | 6 mm | 70 mm |

GXSC
SINGLE CUT ROTARY BURRS


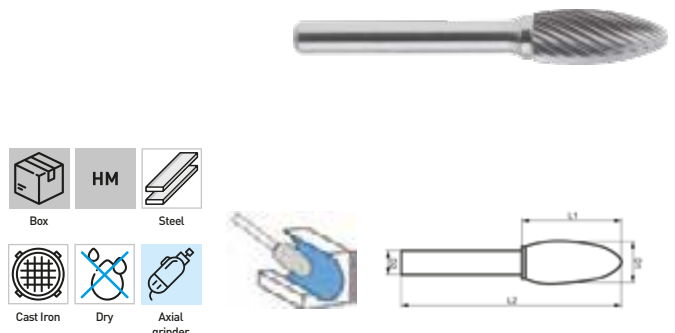
| Art. | D1 | L1 | D2 | L2 |
|--------|--------|-------|------|-------|
| G03SC3 | ø3 mm | 13 mm | 3 mm | 38 mm |
| G06SC6 | ø6 mm | 18 mm | 6 mm | 65 mm |
| G10SC6 | ø10 mm | 20 mm | 6 mm | 65 mm |
| G12SC6 | ø12 mm | 25 mm | 6 mm | 70 mm |

GXDC
DIAMOND CUT ROTARY BURRS


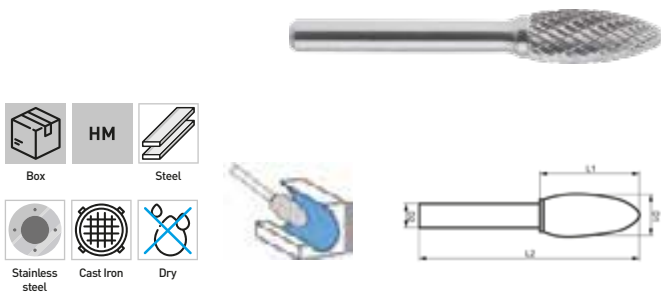
| Art. | D1 | L1 | D2 | L2 |
|--------|--------|-------|------|-------|
| G03DC3 | ø3 mm | 13 mm | 3 mm | 38 mm |
| G06DC6 | ø6 mm | 18 mm | 6 mm | 65 mm |
| G10DC6 | ø10 mm | 20 mm | 6 mm | 65 mm |
| G12DC6 | ø12 mm | 25 mm | 6 mm | 70 mm |
| G16DC6 | ø16 mm | 25 mm | 6 mm | 70 mm |
| G19DC6 | ø19 mm | 25 mm | 6 mm | 70 mm |

GXAL
ROTARY BURRS FOR ALUMINIUM


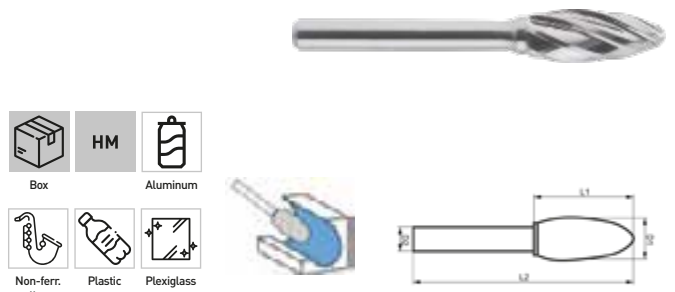
| Art. | D1 | L1 | D2 | L2 |
|--------|--------|-------|------|-------|
| G10AL6 | ø10 mm | 20 mm | 6 mm | 65 mm |
| G12AL6 | ø12 mm | 25 mm | 6 mm | 70 mm |

HXSC
SINGLE CUT ROTARY BURRS


| Art. | D1 | L1 | D2 | L2 |
|--------|--------|-------|------|-------|
| H08SC6 | ø8 mm | 20 mm | 6 mm | 65 mm |
| H10SC6 | ø10 mm | 25 mm | 6 mm | 70 mm |
| H12SC6 | ø12 mm | 32 mm | 6 mm | 77 mm |

HXDC
DIAMOND CUT ROTARY BURRS


| Art. | D1 | D2 | L1 | L2 |
|--------|--------|-------|------|-------|
| H06DC6 | ø6 mm | 16 mm | 6 mm | 61 mm |
| H08DC6 | ø8 mm | 20 mm | 6 mm | 65 mm |
| H10DC6 | ø10 mm | 25 mm | 6 mm | 70 mm |
| H12DC6 | ø12 mm | 32 mm | 6 mm | 77 mm |

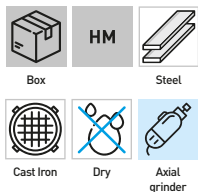
HXAL
ROTARY BURRS FOR ALUMINIUM


| Art. | D1 | D2 | L1 | L2 |
|--------|--------|-------|------|-------|
| H08AL6 | ø8 mm | 20 mm | 6 mm | 65 mm |
| H10AL6 | ø10 mm | 25 mm | 6 mm | 70 mm |
| H12AL6 | ø12 mm | 32 mm | 6 mm | 77 mm |



LXSC

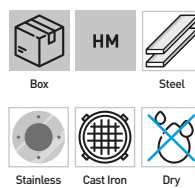
SINGLE CUT ROTARY BURRS



| Art. | D1 | L1 | D2 | L2 |
|--------|-------|-------|------|-------|
| L03SC3 | ø3 mm | 13 mm | 3 mm | 38 mm |
| L06SC6 | ø6 mm | 16 mm | 6 mm | 61 mm |

LXDC

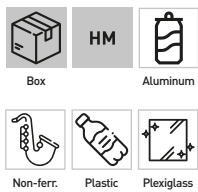
DIAMOND CUT ROTARY BURRS



| Art. | D1 | L1 | D2 | L2 |
|--------|--------|-------|------|-------|
| L03DC3 | ø3 mm | 13 mm | 3 mm | 38 mm |
| L06DC6 | ø6 mm | 16 mm | 6 mm | 61 mm |
| L08DC6 | ø8 mm | 22 mm | 6 mm | 65 mm |
| L10DC6 | ø10 mm | 25 mm | 6 mm | 70 mm |
| L12DC6 | ø12 mm | 25 mm | 6 mm | 70 mm |

L10AL6

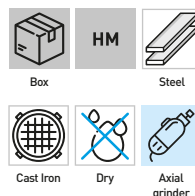
ROTARY BURRS FOR ALUMINIUM



| | |
|----|--------|
| D1 | ø10 mm |
| L1 | 25 mm |
| D2 | 6 mm |
| L2 | 70 mm |

MXSC

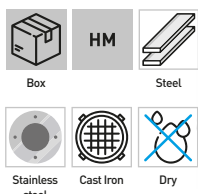
SINGLE CUT ROTARY BURRS



| Art. | D1 | L1 | D2 | L2 |
|--------|--------|-------|------|-------|
| M08SC6 | ø8 mm | 20 mm | 6 mm | 65 mm |
| M10SC6 | ø10 mm | 20 mm | 6 mm | 65 mm |
| M12SC6 | ø12 mm | 25 mm | 6 mm | 70 mm |

MXDC

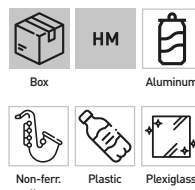
DIAMOND CUT ROTARY BURRS



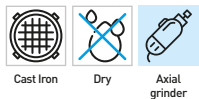
| Art. | D1 | L1 | D2 | L2 |
|--------|--------|-------|------|-------|
| M03DC3 | ø3 mm | 11 mm | 3 mm | 38 mm |
| M03DC6 | ø3 mm | 11 mm | 6 mm | 38 mm |
| M06DC6 | ø6 mm | 18 mm | 6 mm | 60 mm |
| M08DC6 | ø8 mm | 20 mm | 6 mm | 65 mm |
| M10DC6 | ø10 mm | 20 mm | 6 mm | 65 mm |
| M12DC6 | ø12 mm | 25 mm | 6 mm | 70 mm |
| M16DC6 | ø16 mm | 25 mm | 6 mm | 70 mm |

M10AL6

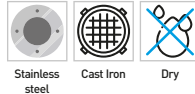
ROTARY BURRS FOR ALUMINIUM



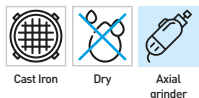
| | |
|----|--------|
| D1 | ø10 mm |
| L1 | 20 mm |
| D2 | 6 mm |
| L2 | 65 mm |

NXSC
SINGLE CUT ROTARY BURRS


| Art. | D1 | L1 | D2 | L2 |
|--------|--------|-------|------|-------|
| N12SC6 | ø12 mm | 13 mm | 6 mm | 58 mm |
| N16SC6 | ø16 mm | 16 mm | 6 mm | 58 mm |

N12DC6
DIAMOND CUT ROTARY BURRS


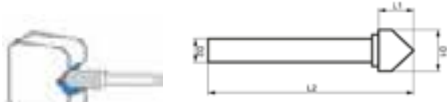
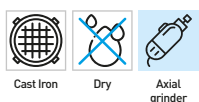
| | |
|----|--------|
| D1 | ø12 mm |
| L1 | 13 mm |
| D2 | 6 mm |
| L2 | 58 mm |

JXSC
SINGLE CUT ROTARY BURRS


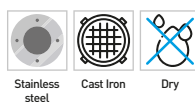
| Art. | D1 | L1 | D2 | L2 |
|--------|--------|--------|------|-------|
| J03SC3 | ø3 mm | 2.5 mm | 3 mm | 38 mm |
| J06SC6 | ø6 mm | 5.2 mm | 6 mm | 54 mm |
| J10SC6 | ø10 mm | 8 mm | 6 mm | 58 mm |
| J16SC6 | ø16 mm | 13 mm | 6 mm | 62 mm |

JXDC
DIAMOND CUT ROTARY BURRS


| Art. | D1 | L1 | D2 | L2 |
|--------|--------|--------|------|-------|
| J03DC3 | ø3 mm | 2.5 mm | 3 mm | 38 mm |
| J06DC6 | ø6 mm | 5.2 mm | 6 mm | 54 mm |
| J10DC6 | ø10 mm | 8 mm | 6 mm | 58 mm |
| J16DC6 | ø16 mm | 13 mm | 6 mm | 62 mm |

KXSC
SINGLE CUT ROTARY BURRS


| Art. | D1 | L1 | D2 | L2 |
|--------|--------|------|------|-------|
| K10SC6 | ø10 mm | 5 mm | 6 mm | 54 mm |
| K16SC6 | ø16 mm | 8 mm | 6 mm | 58 mm |

KXDC
DIAMOND CUT ROTARY BURRS


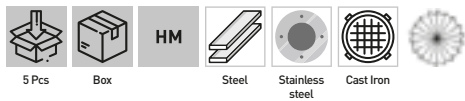
| Art. | D1 | L1 | D2 | L2 |
|--------|--------|------|------|-------|
| K10DC6 | ø10 mm | 5 mm | 6 mm | 54 mm |
| K16DC6 | ø16 mm | 8 mm | 6 mm | 58 mm |



F008DC

HARD METAL ROTARY BURR SET

With diamond cut.

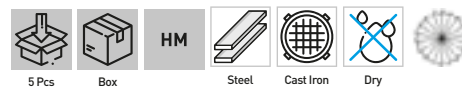


| | |
|-------|---------------|
| Sizes | 10 x 20 mm |
| Type | B, C, D, G, M |
| Stem | 6 mm |

F008SC

HARD METAL ROTARY BURR SET

With single cut.

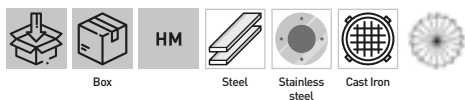
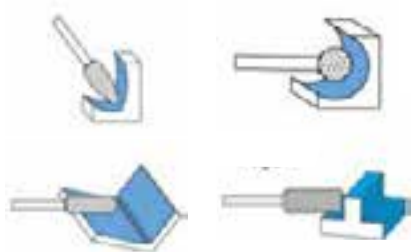


| | |
|-------|---------------|
| Sizes | 10 x 20 mm |
| Type | B, C, D, G, M |
| Stem | 6 mm |

F008-

CARBIDE ROTARY FILE SET

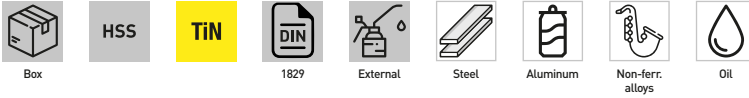
Cross cut.



| Art. | Stem |
|--------|--------|
| F008/3 | Ø 3 mm |
| F008/6 | Ø 6 mm |



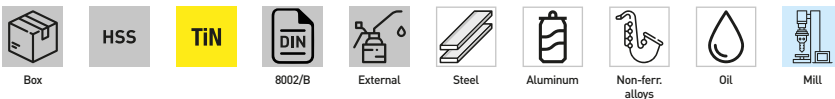
C003-
DISC TYPE GEAR SHAPER CUTTER

 Nominal \varnothing 100 mm hole 44,45 mm 20° angle pressure class A.


| Art. | Module | \varnothing max | \varnothing d0 | Height b1 | Teeth |
|-----------|--------|-------------------|------------------|-----------|-------|
| C003/1 | 1,00 | 102 mm | 100 mm | 16 mm | 100 |
| C003/1.25 | 1,25 | 105 mm | 100 mm | 16 mm | 80 |
| C003/1.50 | 1,50 | 107 mm | 102 mm | 18 mm | 68 |
| C003/1.75 | 1,75 | 107,4 mm | 101,5 mm | 20 mm | 58 |
| C003/2 | 2,00 | 107,31 mm | 100 mm | 20 mm | 50 |
| C003/2.25 | 2,25 | 109,29 mm | 101,25 mm | 20 mm | 45 |
| C003/2.50 | 2,50 | 108,46 mm | 100 mm | 20 mm | 40 |
| C003/2.75 | 2,75 | 108,36 mm | 99 mm | 24 mm | 36 |
| C003/3 | 3,00 | 111,82 mm | 99 mm | 24 mm | 33 |
| C003/3.25 | 3,25 | 110,99 mm | 99 mm | 24 mm | 31 |
| C003/3.50 | 3,50 | 108,72 mm | 101,5 mm | 24 mm | 29 |
| C003/3.75 | 3,75 | 112,35 mm | 101,5 mm | 24 mm | 27 |
| C003/4 | 4,00 | 111,75 mm | 100 mm | 24 mm | 25 |
| C003/4.25 | 4,25 | 114,12 mm | 102 mm | 24 mm | 24 |
| C003/4.50 | 4,50 | 111,65 mm | 99 mm | 24 mm | 22 |
| C003/5 | 5,00 | 114,05 mm | 100 mm | 24 mm | 20 |
| C003/5.50 | 5,50 | 119,96 mm | 99 mm | 24 mm | 18 |
| C003/6 | 6,00 | 118,86 mm | 102 mm | 24 mm | 17 |
| C003/6.50 | 6,50 | 122,5 mm | 112 mm | 24 mm | 16 |
| C003/7 | 7,00 | 127 mm | 105 mm | 24 mm | 15 |
| C003/8 | 8,00 | 135 mm | 112 mm | 24 mm | 14 |
| C003/10 | 10,00 | 168 mm | 140 mm | 24 mm | 14 |

C001-
GEAR HOB 20° PRESSURE ANGLE

Ground profile class A.



| Art. | Module | Diameter \varnothing | Length | Hole |
|-----------|--------|------------------------|--------|-------|
| C001/1 | 1,00 | 50 mm | 31 mm | 22 mm |
| C001/1.25 | 1,25 | 50 mm | 31 mm | 22 mm |
| C001/1.50 | 1,50 | 53 mm | 50 mm | 22 mm |
| C001/1.75 | 1,75 | 56 mm | 38 mm | 22 mm |
| C001/2 | 2,00 | 63 mm | 46 mm | 27 mm |
| C001/2.25 | 2,25 | 70 mm | 56 mm | 27 mm |
| C001/2.50 | 2,50 | 71 mm | 63 mm | 27 mm |
| C001/2.75 | 2,75 | 70 mm | 56 mm | 27 mm |
| C001/3 | 3,00 | 80 mm | 71 mm | 32 mm |
| C001/3.25 | 3,25 | 80 mm | 69 mm | 32 mm |
| C001/3.50 | 3,50 | 80 mm | 71 mm | 32 mm |
| C001/3.75 | 3,75 | 90 mm | 78 mm | 32 mm |
| C001/4 | 4,00 | 90 mm | 78 mm | 32 mm |
| C001/4.25 | 4,25 | 90 mm | 78 mm | 32 mm |
| C001/4.50 | 4,50 | 90 mm | 78 mm | 32 mm |
| C001/5 | 5,00 | 100 mm | 88 mm | 32 mm |
| C001/5.50 | 5,50 | 100 mm | 88 mm | 32 mm |
| C001/6 | 6,00 | 110 mm | 108 mm | 40 mm |
| C001/6.50 | 6,50 | 110 mm | 109 mm | 40 mm |
| C001/7 | 7,00 | 110 mm | 110 mm | 40 mm |
| C001/8 | 8,00 | 125 mm | 130 mm | 40 mm |
| C001/9 | 9,00 | 125 mm | 140 mm | 40 mm |
| C001/10 | 10,00 | 140 mm | 160 mm | 40 mm |
| C001/12 | 12,00 | 170 mm | 195 mm | 50 mm |
| C001/13 | 13,00 | 180 mm | 210 mm | 50 mm |



P049-

MASONRY DRILL

Short series, cylindrical attachment, carbide tipped for masonry drill.



Box C45 HM

8039 Bricks Concrete Stones Ceramic Drywall Percussion Portable Drill

| Art. | ø | L | l | Stem | Pack |
|---------|-------|--------|--------|----------|------|
| P049/03 | 3 mm | 70 mm | 40 mm | ø 2,5 mm | 10 |
| P049/04 | 4 mm | 75 mm | 40 mm | ø 3,5 mm | 10 |
| P049/05 | 5 mm | 85 mm | 40 mm | ø 4,5 mm | 10 |
| P049/06 | 6 mm | 100 mm | 55 mm | ø 4,5 mm | 10 |
| P049/07 | 7 mm | 100 mm | 55 mm | ø 6,5 mm | 10 |
| P049/08 | 8 mm | 120 mm | 70 mm | ø 6,5 mm | 10 |
| P049/09 | 9 mm | 120 mm | 70 mm | ø 6,5 mm | 10 |
| P049/10 | 10 mm | 120 mm | 70 mm | ø 7 mm | 10 |
| P049/11 | 11 mm | 150 mm | 90 mm | ø 7 mm | 10 |
| P049/12 | 12 mm | 150 mm | 90 mm | ø 9 mm | 10 |
| P049/13 | 13 mm | 150 mm | 90 mm | ø 9 mm | 5 |
| P049/14 | 14 mm | 150 mm | 90 mm | ø 11 mm | 5 |
| P049/15 | 15 mm | 150 mm | 90 mm | ø 12 mm | 5 |
| P049/16 | 16 mm | 150 mm | 90 mm | ø 12 mm | 5 |
| P049/18 | 18 mm | 160 mm | 100 mm | ø 13 mm | 5 |
| P049/22 | 22 mm | 160 mm | 100 mm | ø 13 mm | 5 |
| P049/24 | 24 mm | 160 mm | 100 mm | ø 13 mm | 5 |

P051-

CARBIDE DRILL FOR GRANITE AND MARBLE

Cylindrical attachment, specific for drilling marble and granite with hard metal insert for rotary percussion.



Box C45 HM

8039 Granite Marble Percussion Portable Drill

| Art. | ø | L | l | Stem | Pack |
|---------|-------|--------|-------|----------|------|
| P051/03 | 3 mm | 70 mm | 40 mm | ø 2,5 mm | 10 |
| P051/04 | 4 mm | 75 mm | 40 mm | ø 3,5 mm | 10 |
| P051/05 | 5 mm | 85 mm | 40 mm | ø 4,5 mm | 10 |
| P051/06 | 6 mm | 100 mm | 55 mm | ø 5,5 mm | 10 |
| P051/07 | 7 mm | 100 mm | 55 mm | ø 5,5 mm | 10 |
| P051/08 | 8 mm | 120 mm | 70 mm | ø 6,5 mm | 5 |
| P051/09 | 9 mm | 120 mm | 70 mm | ø 8 mm | 5 |
| P051/10 | 10 mm | 120 mm | 70 mm | ø 9 mm | 5 |
| P051/12 | 12 mm | 150 mm | 90 mm | ø 10 mm | 5 |
| P051/14 | 14 mm | 150 mm | 90 mm | ø 12 mm | 5 |
| P051/16 | 16 mm | 150 mm | 90 mm | ø 12 mm | 5 |

P050-

MASONRY DRILL

Long series, cylindrical attachment, carbide tipped for masonry drill.



Box C45 HM

8039 Bricks Concrete Stones Ceramic Drywall Percussion Portable Drill

| Art. | ø | L | l | Stem | Pack |
|---------|-------|--------|--------|-----------|------|
| P050/06 | 6 mm | 400 mm | 240 mm | ø 4,5 mm | 5 |
| P050/08 | 8 mm | 400 mm | 240 mm | ø 7 mm | 5 |
| P050/09 | 9 mm | 400 mm | 240 mm | ø 7 mm | 5 |
| P050/10 | 10 mm | 400 mm | 240 mm | ø 7 mm | 5 |
| P050/12 | 12 mm | 400 mm | 240 mm | ø 9 mm | 5 |
| P050/14 | 14 mm | 400 mm | 240 mm | ø 10 mm | 5 |
| P050/16 | 16 mm | 400 mm | 240 mm | ø 12 mm | 5 |
| P050/18 | 18 mm | 400 mm | 240 mm | ø 12,5 mm | 5 |
| P050/20 | 20 mm | 400 mm | 240 mm | ø 12,5 mm | 5 |

P063-

CARBIDE TIPPED SDS PLUS SHANK TYPE HAMMER TWIST DRILL

2 edges, with attack sds plus, double helix to facilitate the release of debris, with hard metal insert.



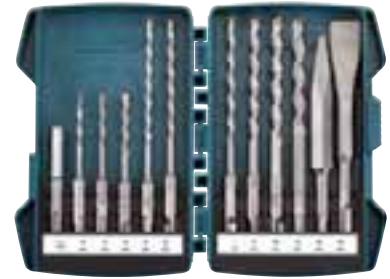
Hangable HM 40 Cr

SDS PLUS Bricks Concrete Stones Ceramic Drywall Percussion Portable Drill

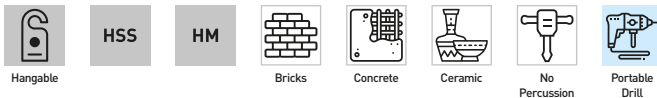
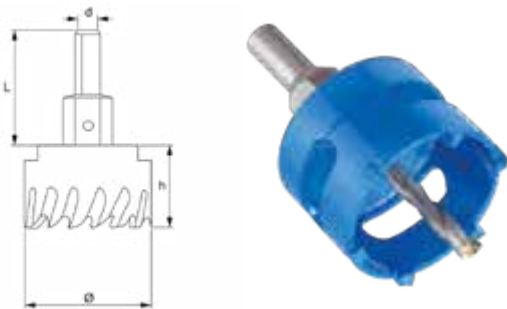
| Art. | Size | Pack |
|------------|-------------|------|
| P063/5110 | 5 x 110 mm | 10 |
| P063/6110 | 6 x 110 mm | 10 |
| P063/6160 | 6 x 160 mm | 10 |
| P063/8110 | 8 x 110 mm | 10 |
| P063/8160 | 8 x 160 mm | 10 |
| P063/9160 | 9 x 160 mm | 10 |
| P063/10160 | 10 x 160 mm | 10 |
| P063/12160 | 12 x 160 mm | 10 |
| P063/12300 | 12 x 300 mm | 10 |
| P063/14160 | 14 x 160 mm | 10 |
| P063/14300 | 14 x 300 mm | 10 |
| P063/15160 | 15 x 160 mm | 10 |
| P063/16160 | 16 x 160 mm | 10 |
| P063/16300 | 16 x 300 mm | 10 |
| P063/16450 | 16 x 450 mm | 5 |
| P063/18160 | 18 x 160 mm | 5 |
| P063/18300 | 18 x 300 mm | 5 |
| P063/18450 | 18 x 450 mm | 5 |
| P063/20160 | 20 x 160 mm | 5 |
| P063/20450 | 20 x 450 mm | 5 |
| P063/22450 | 22 x 450 mm | 5 |
| P063/24450 | 24 x 450 mm | 5 |


0332
CARBIDE TIPPED HAMMER TWIST DRILL AND CHISEL SET

With attack sds plus, consisting of 9 twist drills: Ø4 x 110 mm Ø5 x 110 mm Ø6 x 110 mm Ø5 x 160 mm Ø6 x 160 mm Ø8 x 160 mm Ø9 x 160 mm Ø10 x 160 mm Ø12 x 160 mm, 1 bit holder, 1 flat chisel and 1 point chisel.


P076-
CARBIDE TIPPED MASONRY CORE DRILL BIT HOLE SAW

For drilling medium and large holes in the wall.



| Art. | ø | d | Thread | Z | L | Boring bit |
|----------|--------|-------|------------|----|-------|------------|
| P076/016 | 16 mm | 10 mm | M12 x 1.25 | 2 | 46 mm | ø6 x 69 mm |
| P076/022 | 22 mm | 10 mm | M12 x 1.25 | 3 | 46 mm | ø6 x 69 mm |
| P076/025 | 25 mm | 10 mm | M12 x 1.25 | 3 | 46 mm | ø6 x 69 mm |
| P076/027 | 27 mm | 10 mm | M12 x 1.25 | 4 | 46 mm | ø6 x 69 mm |
| P076/030 | 30 mm | 10 mm | M12 x 1.25 | 4 | 46 mm | ø6 x 69 mm |
| P076/035 | 35 mm | 10 mm | M12 x 1.25 | 4 | 46 mm | ø6 x 69 mm |
| P076/038 | 38 mm | 10 mm | M12 x 1.25 | 4 | 46 mm | ø6 x 69 mm |
| P076/040 | 40 mm | 10 mm | M12 x 1.25 | 5 | 46 mm | ø6 x 69 mm |
| P076/045 | 45 mm | 10 mm | M12 x 1.25 | 5 | 46 mm | ø6 x 69 mm |
| P076/050 | 50 mm | 10 mm | M12 x 1.25 | 6 | 46 mm | ø6 x 69 mm |
| P076/055 | 55 mm | 12 mm | M16 x 1.5 | 6 | 46 mm | ø8 x 69 mm |
| P076/060 | 60 mm | 12 mm | M16 x 1.5 | 7 | 46 mm | ø8 x 69 mm |
| P076/065 | 65 mm | 12 mm | M16 x 1.5 | 7 | 46 mm | ø8 x 69 mm |
| P076/070 | 70 mm | 12 mm | M16 x 1.5 | 8 | 46 mm | ø8 x 69 mm |
| P076/080 | 80 mm | 12 mm | M16 x 1.5 | 8 | 46 mm | ø8 x 69 mm |
| P076/085 | 85 mm | 12 mm | M16 x 1.5 | 9 | 46 mm | ø8 x 69 mm |
| P076/090 | 90 mm | 12 mm | M16 x 1.5 | 9 | 46 mm | ø8 x 69 mm |
| P076/095 | 95 mm | 12 mm | M16 x 1.5 | 10 | 46 mm | ø8 x 69 mm |
| P076/100 | 100 mm | 12 mm | M16 x 1.5 | 11 | 46 mm | ø8 x 69 mm |
| P076/110 | 110 mm | 12 mm | M16 x 1.5 | 11 | 46 mm | ø8 x 69 mm |
| P076/125 | 125 mm | 12 mm | M16 x 1.5 | 12 | 46 mm | ø8 x 69 mm |
| P076/150 | 150 mm | 12 mm | M16 x 1.5 | 15 | 46 mm | ø8 x 69 mm |

P076/006S
CARBIDE TIPPED MASONRY CORE DRILL BIT HOLE SAW SET

For drilling medium and large holes in the wall.



Sizes 16 mm - 22 mm - 25 mm - 27 mm - 30 mm - 35 mm


P076/008S
CARBIDE TIPPED MASONRY CORE DRILL BIT HOLE SAW SET

For drilling medium and large holes in the wall.



Sizes 16 mm - 22 mm - 25 mm - 27 mm - 30 mm - 35 mm - 40 mm - 45 mm


P076-GX
ARBOR FOR CARBIDE TIPPED MASONRY CORE DRILLS BIT HOLE SAW

For item P076-.



| Art. | ø | L | Thread | Sizes |
|----------|-------|-------|------------|--------|
| P076/G12 | 10 mm | 46 mm | M12 x 1.25 | 16-50 |
| P076/G16 | 12 mm | 46 mm | M16 x 1.5 | 55-150 |

P076-PX
CARBIDE TIPPED PILOT DRILL FOR HOLE CUTTERS FOR MASONRY

For item P076-.



| Art. | ø | Total length | Sizes | Pack |
|----------|------|--------------|--------|------|
| P076/P12 | 6 mm | 69 mm | 16-50 | 10 |
| P076/P16 | 8 mm | 69 mm | 55-150 | 10 |



P031-

DIAMOND DRILL BITS AND CORE DRILLS WITH CONTINUOUS EDGE

The thin-wall diamond core guarantees burr-free cuts. This feature facilitates drilling work on hard laid tiles, where it is necessary to make a clean hole, without chipping the tile. Longer useful life cycle.



| Art. | Size | Hex drive | Total length | Diamond height | Grit |
|---------|---------|-----------|--------------|----------------|-------|
| P031/05 | Ø 5 mm | 8.5 mm | 56 mm | 2 mm | 50/60 |
| P031/06 | Ø 6 mm | 8.5 mm | 56 mm | 2 mm | 50/60 |
| P031/07 | Ø 7 mm | 8.5 mm | 56 mm | 2 mm | 50/60 |
| P031/08 | Ø 8 mm | 8.5 mm | 56 mm | 2 mm | 50/60 |
| P031/10 | Ø 10 mm | 8.5 mm | 56 mm | 2 mm | 50/60 |
| P031/12 | Ø 12 mm | 8.5 mm | 56 mm | 2 mm | 50/60 |
| P031/14 | Ø 14 mm | 8.5 mm | 56 mm | 2 mm | 50/60 |
| P031/16 | Ø 16 mm | 11 mm | 90 mm | 5 mm | 35/40 |
| P031/18 | Ø 18 mm | 11 mm | 90 mm | 5 mm | 35/40 |
| P031/20 | Ø 20 mm | 11 mm | 90 mm | 5 mm | 35/40 |
| P031/22 | Ø 22 mm | 11 mm | 90 mm | 5 mm | 35/40 |
| P031/25 | Ø 25 mm | 11 mm | 90 mm | 5 mm | 35/40 |
| P031/28 | Ø 28 mm | 11 mm | 90 mm | 5 mm | 35/40 |
| P031/30 | Ø 30 mm | 11 mm | 90 mm | 5 mm | 35/40 |
| P031/32 | Ø 32 mm | 11 mm | 90 mm | 5 mm | 35/40 |
| P031/35 | Ø 35 mm | 11 mm | 90 mm | 5 mm | 35/40 |
| P031/40 | Ø 40 mm | 11 mm | 90 mm | 5 mm | 35/40 |
| P031/45 | Ø 45 mm | 11 mm | 90 mm | 5 mm | 35/40 |
| P031/50 | Ø 50 mm | 11 mm | 90 mm | 5 mm | 35/40 |
| P031/60 | Ø 60 mm | 11 mm | 90 mm | 5 mm | 35/40 |
| P031/65 | Ø 65 mm | 11 mm | 90 mm | 5 mm | 35/40 |
| P031/67 | Ø 67 mm | 11 mm | 90 mm | 5 mm | 35/40 |
| P031/70 | Ø 70 mm | 11 mm | 90 mm | 5 mm | 35/40 |
| P031/80 | Ø 80 mm | 11 mm | 90 mm | 5 mm | 35/40 |

P031/06P

PILOT TIP

For item P031-XL.



| | |
|----------|--------|
| Hangable | |
| Diameter | Ø 6 mm |
| Length | 100 mm |
| Stem | Ø 5 mm |
| Pack | 10 |

P031/03S

DIAMOND DRILL BIT AND CORE DRILL WITH CONTINUOUS EDGE SET

The thin-wall diamond core guarantees burr-free cuts. This feature facilitates drilling work on hard laid tiles, where it is necessary to make a clean hole, without chipping the tile. Longer useful life cycle.



| | |
|----------------|-----------------------|
| 3 Pcs | |
| Hangable | |
| Sizes | Ø 6 mm - 8 mm - 10 mm |
| Hex drive | 9.5 mm |
| Total length | 56 mm |
| Diamond height | 2 mm |
| Grit | 50/60 |

P031/05S

DIAMOND DRILL BIT AND CORE DRILL WITH CONTINUOUS EDGE SET

The thin-wall diamond core guarantees burr-free cuts. This feature facilitates drilling work on hard laid tiles, where it is necessary to make a clean hole, without chipping the tile. Longer useful life cycle.



| | |
|----------------|--------------------------------------|
| 5 Pcs | |
| Hangable | |
| Sizes | Ø 5 mm - 6 mm - 8 mm - 10 mm - 12 mm |
| Hex drive | 8.5 mm |
| Total length | 56 mm |
| Diamond height | 2 mm |
| Grit | 50/60 |

P031/06S

DIAMOND DRILL BIT AND CORE DRILL WITH CONTINUOUS EDGE SET

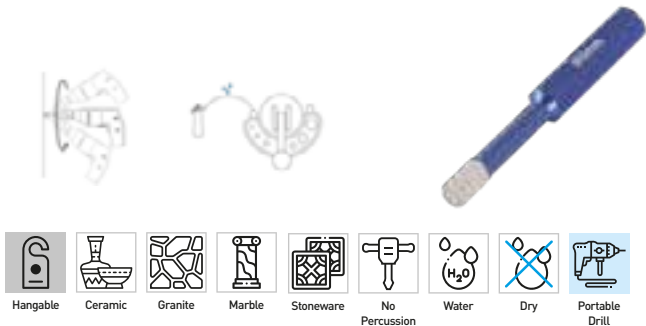
The thin-wall diamond core guarantees burr-free cuts. This feature facilitates drilling work on hard laid tiles, where it is necessary to make a clean hole, without chipping the tile. Longer useful life cycle.



| | |
|----------------|---|
| 6 Pcs | |
| Carrying case | |
| Sizes | Ø 16 mm - 22 mm - 25 mm - 28 mm - 30 mm - 35 mm |
| Hex drive | 11 mm |
| Total length | 90 mm |
| Diamond height | 5 mm |
| Grit | 50/60 |


P033-
DIAMOND DRILL BITS WITH CONTINUOUS EDGE

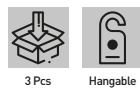
Optimal operation on vertical walls, do not remove the core, which acts as a measuring cap for the coolant. Use with water cooling extends the useful life of the tool. The thin-walled diamond ring guarantees burr-free cuts. This feature facilitates drilling work on hard tiles in place, where it is necessary to make a clean hole.



| Art. | Size | Hex drive | Total length | Diamond height | Grit |
|---------|---------|-----------|--------------|----------------|------|
| P033/05 | Ø 5 mm | 9.5 mm | 80 mm | 10 mm | 40 |
| P033/06 | Ø 6 mm | 9.5 mm | 80 mm | 10 mm | 40 |
| P033/08 | Ø 8 mm | 9.5 mm | 80 mm | 10 mm | 40 |
| P033/10 | Ø 10 mm | 9.5 mm | 80 mm | 10 mm | 40 |
| P033/12 | Ø 12 mm | 9.5 mm | 80 mm | 10 mm | 40 |
| P033/14 | Ø 14 mm | 12.5 mm | 80 mm | 10 mm | 40 |
| P033/16 | Ø 16 mm | 12.5 mm | 80 mm | 10 mm | 40 |
| P033/18 | Ø 18 mm | 12.5 mm | 80 mm | 10 mm | 40 |
| P033/20 | Ø 20 mm | 12.5 mm | 80 mm | 10 mm | 40 |
| P033/22 | Ø 22 mm | 12.5 mm | 80 mm | 10 mm | 40 |
| P033/25 | Ø 25 mm | 12.5 mm | 80 mm | 10 mm | 40 |

P033/03S
DIAMOND DRILL BIT AND CORE DRILL WITH CONTINUOUS EDGE SET

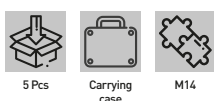
Optimal operation on vertical walls, do not remove the core, which acts as a measuring cap for the coolant. Use with water cooling extends the useful life of the tool. The thin-walled diamond ring guarantees burr-free cuts. This feature facilitates drilling work on hard tiles in place, where it is necessary to make a clean hole.



| | |
|----------------|-----------------------|
| Sizes | Ø 6 mm - 8 mm - 10 mm |
| Hex drive | 9.5 mm |
| Total length | 80 mm |
| Diamond height | 10 mm |
| Grit | 40 |

P034/05S
M14 DIAMOND DRILL BIT AND CORE DRILL WITH CONTINUOUS EDGE SET

The thin-wall diamond core guarantees burr-free cuts. This feature facilitates drilling work on hard laid tiles, where it is necessary to make a clean hole, without chipping the tile. Longer useful life cycle.



| | |
|----------------|---------------------------------------|
| Sizes | Ø 6 mm - 8 mm - 10 mm - 12 mm - 14 mm |
| Total length | 62 mm |
| Diamond height | 10 mm |
| Grit | 30/50 |

P034-
M14 DIAMOND DRILL BITS AND CORE DRILLS WITH CONTINUOUS EDGE

The thin-wall diamond core guarantees burr-free cuts. This feature facilitates drilling work on hard laid tiles, where it is necessary to make a clean hole, without chipping the tile. Longer useful life cycle.



| Art. | Size | Total length | Diamond height | Grit |
|----------|----------|--------------|----------------|-------|
| P034/006 | Ø 6 mm | 62 mm | 10 mm | 30/50 |
| P034/008 | Ø 8 mm | 62 mm | 10 mm | 30/50 |
| P034/010 | Ø 10 mm | 62 mm | 10 mm | 30/50 |
| P034/012 | Ø 12 mm | 62 mm | 10 mm | 30/50 |
| P034/014 | Ø 14 mm | 62 mm | 10 mm | 30/50 |
| P034/016 | Ø 16 mm | 62 mm | 15 mm | 30/50 |
| P034/018 | Ø 18 mm | 62 mm | 15 mm | 30/50 |
| P034/020 | Ø 20 mm | 60 mm | 15 mm | 30/50 |
| P034/022 | Ø 22 mm | 60 mm | 15 mm | 30/50 |
| P034/025 | Ø 25 mm | 60 mm | 10 mm | 30/50 |
| P034/028 | Ø 28 mm | 60 mm | 15 mm | 30/50 |
| P034/030 | Ø 30 mm | 60 mm | 15 mm | 30/50 |
| P034/032 | Ø 32 mm | 60 mm | 15 mm | 30/50 |
| P034/035 | Ø 35 mm | 60 mm | 15 mm | 30/50 |
| P034/040 | Ø 40 mm | 60 mm | 15 mm | 30/50 |
| P034/045 | Ø 45 mm | 60 mm | 15 mm | 30/50 |
| P034/050 | Ø 50 mm | 60 mm | 15 mm | 30/50 |
| P034/055 | Ø 55 mm | 60 mm | 15 mm | 30/50 |
| P034/060 | Ø 60 mm | 60 mm | 15 mm | 30/50 |
| P034/065 | Ø 65 mm | 60 mm | 15 mm | 30/50 |
| P034/067 | Ø 67 mm | 60 mm | 15 mm | 30/50 |
| P034/070 | Ø 70 mm | 60 mm | 15 mm | 30/50 |
| P034/080 | Ø 80 mm | 60 mm | 15 mm | 30/50 |
| P034/090 | Ø 90 mm | 60 mm | 15 mm | 30/50 |
| P034/100 | Ø 100 mm | 60 mm | 15 mm | 30/50 |

P034/06S
M14 DIAMOND DRILL BIT AND CORE DRILL WITH CONTINUOUS EDGE SET

The thin-wall diamond core guarantees burr-free cuts. This feature facilitates drilling work on hard laid tiles, where it is necessary to make a clean hole, without chipping the tile. Longer useful life cycle.



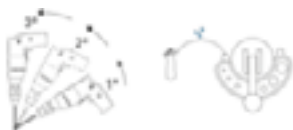
| | |
|----------------|---|
| Sizes | Ø 22 mm - 35 mm - 40 mm - 45 mm - 50 mm - 67 mm |
| Total length | 60 mm |
| Diamond height | 15 mm |
| Grit | 30/50 |



P035-

DIAMOND DRILL BITS WITH CONTINUOUS EDGE

The thin-wall diamond core guarantees burr-free cuts. This feature facilitates drilling work on hard laid tiles, where it is necessary to make a clean hole, without chipping the tile. Longer useful life cycle.



| Art. | Size | Stem | Total length | Diamond height | Grit |
|---------|---------|--------|--------------|----------------|-------|
| P035/05 | Ø 5 mm | Ø 6 mm | 65 mm | 5 mm | 60/80 |
| P035/06 | Ø 6 mm | Ø 6 mm | 65 mm | 5 mm | 60/80 |
| P035/08 | Ø 8 mm | Ø 6 mm | 65 mm | 5 mm | 60/80 |
| P035/10 | Ø 10 mm | Ø 6 mm | 65 mm | 5 mm | 60/80 |
| P035/12 | Ø 12 mm | Ø 6 mm | 65 mm | 5 mm | 60/80 |
| P035/14 | Ø 14 mm | Ø 6 mm | 65 mm | 5 mm | 60/80 |

P035/04S

DIAMOND DRILL BIT SET WITH CONTINUOUS EDGE

The thin-wall diamond core guarantees burr-free cuts. This feature facilitates drilling work on hard laid tiles, where it is necessary to make a clean hole, without chipping the tile. Longer useful life cycle.



| | |
|----------------|------------------------------|
| Sizes | Ø 5 mm - 6 mm - 8 mm - 10 mm |
| Stem | Ø 6 mm |
| Total length | 65 mm |
| Diamond height | 5 mm |
| Grit | 60/80 |

0529

DIAMOND CORE DRILL BIT SET

The thin-wall diamond core guarantees burr-free cuts. This feature facilitates drilling work on hard laid tiles, where it is necessary to make a clean hole, without chipping the tile. Longer useful life cycle.



| | |
|----------------|--------------------------|
| Drills | Ø 5 - 6 - 8 - 10 - 12 mm |
| Total length | 60 mm |
| Cut length | 30 mm |
| Diamond height | 3 mm |
| Grit | 70/80 |

D009/5-12

DRILL SUCTION CUP WITH GUIDING HOLES

Allows easy centering and cutting safety of the diamond tip in the various workable materials. To be used in conjunction with a nebulizer for water processing.



| | |
|-------|--|
| Holes | 4 mm - 5 mm - 6 mm - 7 mm - 8 mm - 10 mm - 12 mm |
|-------|--|

D009/5-85

DRILL SUCTION CUP WITH ADJUSTABLE HOLE FRAME

Allows easy centering and cutting safety of the diamond tip in the various workable materials. To be used in conjunction with a nebulizer for water processing.

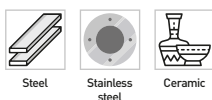


| | |
|-------|-----------|
| Holes | 5 - 85 mm |
|-------|-----------|

D020

DIAMOND MOUNTED POINT SET

Suitable for engraving, writing or finishing thanks to the various geometries available.

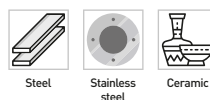


| | |
|-------------|-----------------|
| Stem Length | Ø 3 mm 45 mm |
|-------------|-----------------|

D050

DIAMOND MOUNTED POINT AND DISC SET

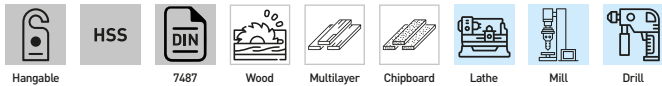
Suitable for engraving, writing or finishing thanks to the various geometries available.



| | |
|-------------|-----------------|
| Stem Length | Ø 3 mm 45 mm |
|-------------|-----------------|


P052-
BRAD POINT WOODWORKING DRILLS

Double helix, with centering tip allows exact positioning of the hole.



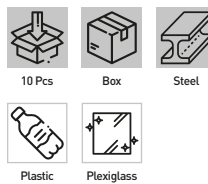
| Art. | ø | Total length | Flute length | Pack |
|---------|-------|--------------|--------------|------|
| P052/03 | 3 mm | 61 mm | 33 mm | 5 |
| P052/04 | 4 mm | 75 mm | 43 mm | 5 |
| P052/05 | 5 mm | 86 mm | 52 mm | 5 |
| P052/06 | 6 mm | 93 mm | 57 mm | 5 |
| P052/07 | 7 mm | 109 mm | 69 mm | 5 |
| P052/08 | 8 mm | 117 mm | 75 mm | 5 |
| P052/09 | 9 mm | 125 mm | 81 mm | 1 |
| P052/10 | 10 mm | 133 mm | 87 mm | 1 |
| P052/11 | 11 mm | 142 mm | 94 mm | 1 |
| P052/12 | 12 mm | 151 mm | 101 mm | 1 |
| P052/13 | 13 mm | 151 mm | 101 mm | 1 |
| P052/14 | 14 mm | 160 mm | 108 mm | 1 |
| P052/15 | 15 mm | 169 mm | 114 mm | 1 |
| P052/16 | 16 mm | 178 mm | 120 mm | 1 |
| P052/17 | 17 mm | 184 mm | 125 mm | 1 |
| P052/18 | 18 mm | 191 mm | 130 mm | 1 |
| P052/19 | 19 mm | 198 mm | 135 mm | 1 |
| P052/20 | 20 mm | 205 mm | 140 mm | 1 |

P052/08S
BRAD POINT WOODWORKING DRILLS SET

Double helix, with centering tip allows exact positioning of the hole.



Size 3 ÷ 10 mm

0238
HOLE SAW SET FOR WOOD


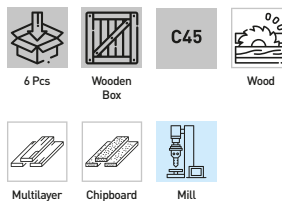
Sizes ø 22 - 29 - 32 - 38 - 44 - 51 - 57 - 67 mm

0463
TWIST DRILL SET WITH COUNTERSINK FOR WOOD

For countersinking the wood.



Sizes 2 - 2,5 - 3 - 3,5 mm

0799-
MORTISING DRILL SET


| Art. | Sizes | Revolution | Stem |
|----------|--------------------------------|------------|--------------|
| 0799/SXC | ø 6 - 8 - 10 - 12 - 14 - 16 mm | L | ø 16 x 50 mm |
| 0799/DXC | ø 6 - 8 - 10 - 12 - 14 - 16 mm | R | ø 16 x 50 mm |

0087
UNIVERSAL CYLINDER CARBIDE TIPPED BORING BIT


Drills ø 15 - 20 - 26 - 30 - 35 mm

0087/35
UNIVERSAL CYLINDER CARBIDE TIPPED BORING BIT

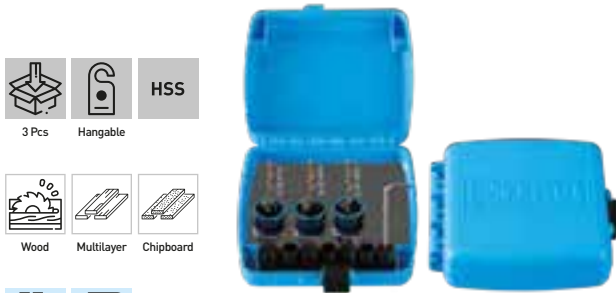
 Boring bit ø 35 mm
Stem ø 8 mm



0526

TWIST DRILL AND COUNTERSINK SET WITH 1/4" HEX SHANK

1/4" hex shank with countersink for wood.



3 Pcs Hangable HSS

Wood Multilayer Chipboard

Mill Drill

| | |
|--------|----------------------|
| Drills | 2,75 - 3,25 - 3,5 mm |
| Shank | 1/4" |

0524

1/4" DR. DRILL BIT HOLDER SET

To speed up the work by replacing the tips quickly.



10 Pcs Hangable C45

1/4"

| | |
|-------|---------------------------------|
| Sizes | 3-3.5-4-4.5-5-5.5-6-6.5-8-10 mm |
| Shank | 1/4" |

0835/15

CARBIDE TIPPED ROUTER BIT SET

For professional woodworking such as edges, trimmings, grooves.



15 Pcs Wooden Box HM

Wood Multilayer Chipboard

Mill

| | |
|------|--------|
| Stem | Ø 6 mm |
|------|--------|

0830

CARBIDE TIPPED ROUTER BIT SET

For professional woodworking such as edges, trimmings, grooves.



35 Pcs Wooden Box HM

Wood Multilayer Chipboard

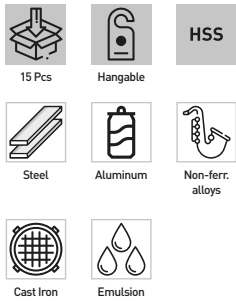
Mill

| | |
|------|--------|
| Stem | Ø 6 mm |
|------|--------|



M015S
SPIRAL POINT TAP AND DRILL SET

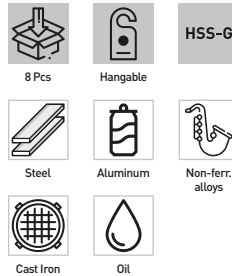
With adjustable tap holder.



| | |
|---------------|---|
| Taps | M3x0,50 - M4x0,70 - M5x0,80 - M6x1,00 - M8x1,20 - M10x1,50 - M12x1,75 |
| Drills | Ø2.5 - Ø3.3 - Ø4.2 - Ø5.0 - Ø6.8 - Ø8.5 - Ø10.2 |

M312/P
MACHINE TAP SET FOR THROUGH HOLES WITH REINFORCED SHANK

With adjustable tap holder.



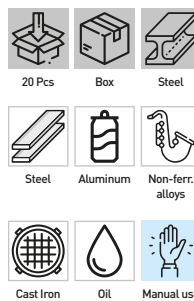
| | |
|-------------|--|
| Size | M3 x 0,50 - M4 x 0,70 - M5 x 0,80 - M6 x 1 - M8 x 1,25 - M10 x 1,50 - M12 x 1,75 |
|-------------|--|

M312/C
MACHINE TAP SET FOR BLIND HOLES 35° WITH REINFORCED SHANK

With adjustable tap holder.



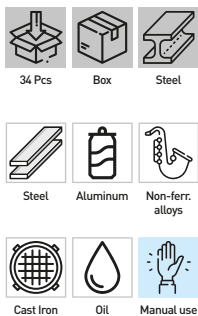
| | |
|-------------|--|
| Size | M3 x 0,50 - M4 x 0,70 - M5 x 0,80 - M6 x 1 - M8 x 1,25 - M10 x 1,50 - M12 x 1,75 |
|-------------|--|

M020
TAP AND DIE SET


| | |
|------------------------|--|
| Tap holder | M3 - M12 |
| Round die-stock | 25 x 9 mm |
| Taps | M3x0,5 - M4x0,7 - M5x0,8 - M6x1 - M7x1 - M8x1,25 - M10x1,5 - M12x1,75 - 1/8" NPT27 |
| Dies | M3x0,5 - M4x0,7 - M5x0,8 - M6x1 - M7x1 - M8x1,25 - M10x1,5 - M12x1,75 - 1/8" NPT27 |

M036
TAP AND DIE SET

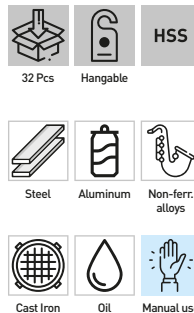
With twist drills and screw pitch gauge.



| | |
|------------------------|--|
| Tap holder | M3 - M12 |
| Round die-stock | 25 x 9 mm |
| Taps | M3x0,5 - M4x0,7 - M5x0,8 - M6x1 - M7x1 - M8x1,25 - M10x1,5 - M12 |
| Dies | M3x0,5 - M4x0,7 - M5x0,8 - M6x1 - M7x1 - M8x1,25 - M10x1,5 - M12 |
| Drills | 2,5 - 3,3 - 4,2 - 5 - 6 - 6,8 - 8,5 - 10,3 mm |
| Screwdriver | 6,5 x 50 mm |

M032
TAP AND DIE METRIC SET

With round die-stock, adjustable tap holder and screw pitch gauge.



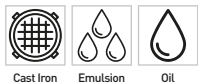
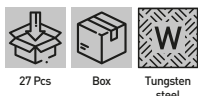
| | |
|--------------------|--|
| Taps | M3x0,5 M4x0,7 M5x0,8 M6x1 M8x1,25 M10x1,5 M12x1,75 |
| Dies | M3x0,5 M4x0,7 M5x0,8 M6x1 M8x1,25 M10x1,5 M12x1,75 |
| Screwdriver | 3,5 x 50 mm |



M029

TAP AND DIE SET

With twist drills and ratchet tap-die holder.

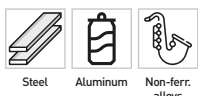
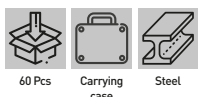


| | |
|----------------|--|
| Ratchet handle | 200 mm |
| Socket | Maschi 5 - 7,5 mm Filiere 25 x 9 mm |
| Taps | M3x0,5 - M4x0,7 - M5x0,8 - M6x1 - M8x1,25 - M10x1,5 - M12x1,75 |
| Dies | M3x0,5 - M4x0,7 - M5x0,8 - M6x1 - M8x1,25 - M10x1,5 - M12x1,75 |
| Drills | 2,5 - 3,3 - 4,2 - 5 - 6,8 - 8,5 - 10,3 mm |
| Screwdriver | 6,5 x 50 mm |
| Screwdriver | 3 x 50 mm |

M101

TAPS AND DIE METRIC SET

Hand tap and die: M3x0,5 - UNC 1/4 20 - UNF 4 40 - Metric M4x0,7 - UNC 1/4 28 - UNF 6 32 - Metric M5x0,8 - UNC 5/16 18 - UNF 8 32 - Metric M6x1 - UNC 5/16 24 - UNF 10 32 - Metric M7x1 - UNC 3/8 16 - UNF 10 24 - Metric M8x1,25 - UNC 3/8 24 - UNF 12 24 - Metric M9x1,25 - UNC 7/16 14 - Metric M10x1,5 - UNC 7/16 20 - Metric M10x1 - UNC 1/2 13 - Metric M12x1,75 - UNC 1/2 20 - NPT 1/8 27. Complete with round die-stock and adjustable tap holder.



M030

TAP AND DIE SET

From M1 to M2.5, with die turner and adapters to convert it into tap wrenches.

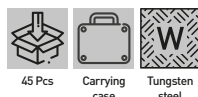


Size M1 - M1.1 - M1.2 - M1.4 - M1.6 - M1.8 - M2.0 - M2.2 - M2.5

M100

TAP AND DIE METRIC SET

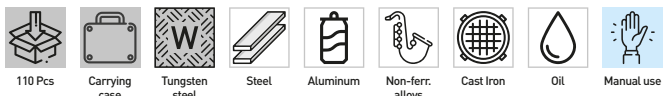
With round die-stock and adjustable tap holder. M6x0,75 - M6x1 - M8x1 - M8x1,25 - M10x1,25 - M10x1,5 - M12x1,5 - M12x1,75 - M14x1,5 - M14x2 - M16x1,5 - M16x2 - M18x1,5 - M18x2,5 - M20x1,5 - M20x2,5 - M22x1,5 - M22x2,5 - M24x1,5 - M24x3.



M218

TAP AND DIE METRIC SET

2 pcs hand tap set and die: M2 x 0,40 - M3 x 0,50 - M4 x 0,70 - M5 x 0,80 - M6 x 0,75 - M6 x 1 - M7 x 0,75 - M7 x 1 - M8 x 0,75 - M8 x 1 - M8 x 1,25 - M9 x 0,75 - M9 x 1 - M9 x 1,25 - M10 x 0,75 - M10 x 1 - M10 x 1,25 - M10 x 1,5 - M11 x 0,75 - M11 x 1 - M11 x 1,25 - M11 x 1,5 - M12 x 0,75 - M12 x 1 - M12 x 1,25 - M12 x 1,5 - M12 x 1,75 - M14 x 1 - M14 x 1,25 - M14 x 1,5 - M14 x 2 - M16 x 1 - M16 x 1,5 - M16 x 2 - M18 x 1,5. Complete with 2 tap holders and 2 round die-stocks.



TAPPING

TYPE OF GROOVES

STRAIGHT GROOVES CORRECT INLET

The correction of the inlet is given by a strong inclination of the helix combined with an accentuated angle of cut in the initial part of the tap. This design ensures the evacuation of chips in the direction of the feed. Therefore, when tapping through holes in materials that produce continuous chips, the risk of clogging and breakage is almost eliminated.



35° HIGH-TWIST HELICAL GROOVES

Inclined helical grooves facilitate chip extraction in the opposite direction to the tap feed. The strong inclination of the helix also ensures the extraction of chips from blind and deep holes reducing the risk of clogging and breakage.

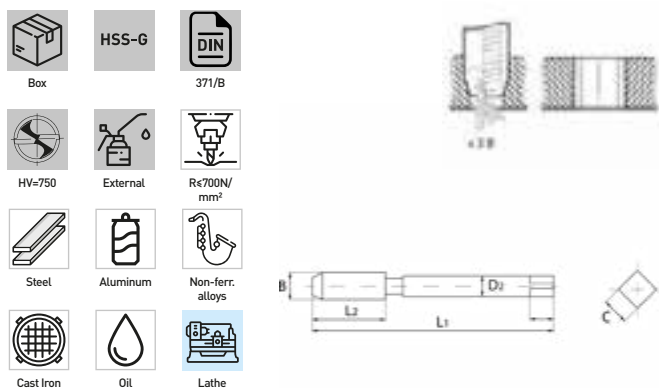


CHOICE OF THEORETICAL CUTTING SPEEDS OF MACHINE TAPS, ACCORDING TO THE MATERIAL TO BE THREADED

| Material to work | Cutting speed (m / min) | Refrigerant |
|--|-------------------------|-----------------|
| Low alloy construction steel R< 700÷900N/mm ² | 10 - 20 | Oil |
| Tool steel | 4 - 8 | Oil |
| Alloy steel R< 1100÷1300N/mm ² | 2 - 5 | Oil |
| Stainless steel | 5 - 10 | Oil |
| Spheroidal cast iron | 6 - 20 | No Lubrication. |
| Copper alloys | 10 - 15 | Oil |
| Brass | 20 - 30 | Oil |
| Bronze | 6 - 15 | Oil |
| Aluminium Short chip | 15 - 30 | Oil |
| Aluminium Long chip | 10 - 20 | Oil |
| Titanium | 3 - 4 | Oil |
| Plastics and thermoplastics | 5 - 15 | Water |
| Thermosetting Materials | 5 - 10 | No Lubrication |

**M001-X****MACHINE TAPS STRAIGHT FLUTE, SPIRAL POINTED FOR THROUGH HOLES**

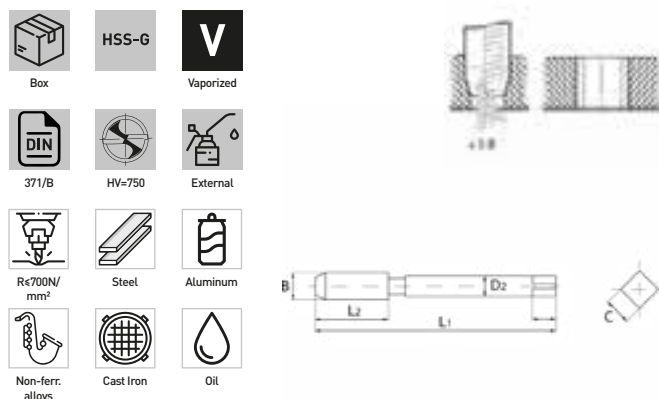
Isometric thread coarse pitch - reinforced shank.



| Art. | B | L2 | L1 | D2 | C |
|---------|-----------|-------|--------|--------|--------|
| M001/3 | M3 x 0,50 | 13 mm | 56 mm | 3.5 mm | 2.7 mm |
| M001/4 | M4 x 0,70 | 13 mm | 66 mm | 4.5 mm | 3.4 mm |
| M001/5 | M5 x 0,80 | 16 mm | 70 mm | 6 mm | 4.9 mm |
| M001/6 | M6 x 1 | 22 mm | 85 mm | 6 mm | 4.9 mm |
| M001/8 | M8 x 1,25 | 22 mm | 90 mm | 8 mm | 6.2 mm |
| M001/10 | M10 x 1,5 | 24 mm | 100 mm | 10 mm | 8 mm |

M001-XV**MACHINE TAPS STRAIGHT FLUTE, SPIRAL POINTED FOR THROUGH HOLES**

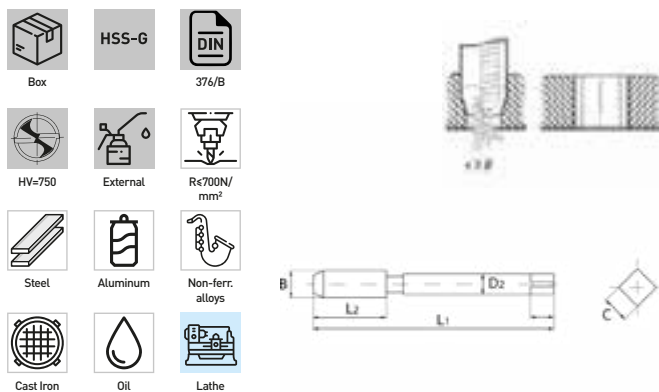
Isometric thread coarse pitch - reinforced shank, the vaporization treatment increases the surface hardness and wear resistance by reducing the possibility of chip sticking.



| Art. | B | L2 | L1 | D2 | C |
|----------|-----------|-------|--------|--------|--------|
| M001/03V | M3 x 0,50 | 11 mm | 56 mm | 3.5 mm | 2.7 mm |
| M001/04V | M4 x 0,70 | 13 mm | 63 mm | 4.5 mm | 3.4 mm |
| M001/05V | M5 x 0,80 | 16 mm | 70 mm | 6 mm | 4.9 mm |
| M001/06V | M6 x 1 | 19 mm | 80 mm | 6 mm | 4.9 mm |
| M001/08V | M8 x 1,25 | 22 mm | 90 mm | 8 mm | 6.2 mm |
| M001/10V | M10 x 1,5 | 24 mm | 100 mm | 10 mm | 8 mm |

M002-**MACHINE TAPS STRAIGHT FLUTE SPIRAL POINTED FOR THROUGH HOLES**

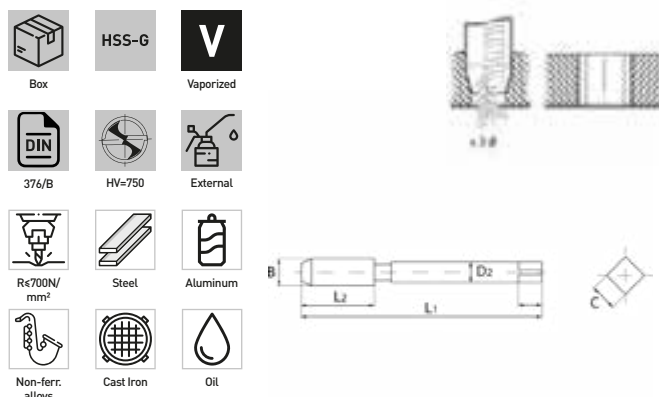
Isometric thread coarse pitch.



| Art. | B | L2 | L1 | D2 | C |
|---------|------------|-------|--------|-------|---------|
| M002/12 | M12 x 1,75 | 29 mm | 110 mm | 9 mm | 7 mm |
| M002/14 | M14 x 2 | 30 mm | 110 mm | 11 mm | 9 mm |
| M002/16 | M16 x 2 | 32 mm | 110 mm | 12 mm | 9 mm |
| M002/18 | M18 x 2,5 | 34 mm | 125 mm | 14 mm | 11 mm |
| M002/20 | M20 x 2,5 | 34 mm | 140 mm | 16 mm | 12 mm |
| M002/22 | M22 x 2,5 | 34 mm | 140 mm | 18 mm | 14.5 mm |
| M002/24 | M24 x 3 | 38 mm | 160 mm | 18 mm | 14.5 mm |
| M002/27 | M27 x 3 | 38 mm | 160 mm | 20 mm | 16 mm |
| M002/30 | M30 x 3,5 | 45 mm | 180 mm | 22 mm | 18 mm |

M002-XV**MACHINE TAPS STRAIGHT FLUTE SPIRAL POINTED FOR THROUGH HOLES**

Isometric thread coarse pitch - reinforced shank, the vaporization treatment increases the surface hardness and wear resistance by reducing the possibility of chip sticking.



| Art. | B | L2 | L1 | D2 | C |
|----------|------------|-------|--------|-------|-------|
| M002/12V | M12 x 1,75 | 29 mm | 110 mm | 9 mm | 7 mm |
| M002/14V | M14 x 2 | 30 mm | 110 mm | 11 mm | 9 mm |
| M002/16V | M16 x 2 | 32 mm | 110 mm | 12 mm | 9 mm |
| M002/18V | M18 x 2,5 | 34 mm | 125 mm | 14 mm | 11 mm |
| M002/20V | M20 x 2,5 | 34 mm | 140 mm | 16 mm | 12 mm |

M003-
MACHINE TAPS SPIRAL FLUTE FOR BLIND HOLES 35°

Isometric thread coarse pitch - reinforced shank.



| | | | | | |
|-----------|--------------|------------------|--|--|--|
| | HSS-G | | | | |
| Box | | 371/C | | | |
| | | | | | |
| HV=750 | External | R<700N/mm² | | | |
| | | | | | |
| Steel | Aluminum | Non-ferr. alloys | | | |
| | | | | | |
| Cast Iron | Oil | Lathe | | | |

| Art. | B | L2 | L1 | D2 | C |
|---------|-----------|-------|--------|--------|--------|
| M003/3 | M3 x 0,50 | 11 mm | 59 mm | 3.5 mm | 2.7 mm |
| M003/4 | M4 x 0,70 | 13 mm | 63 mm | 4.5 mm | 3.4 mm |
| M003/5 | M5 x 0,80 | 18 mm | 74 mm | 6 mm | 4.9 mm |
| M003/6 | M6 x 1 | 22 mm | 80 mm | 6 mm | 4.9 mm |
| M003/8 | M8 x 1,25 | 22 mm | 90 mm | 8 mm | 6.2 mm |
| M003/10 | M10 x 1,5 | 24 mm | 100 mm | 10 mm | 8 mm |

M003-XV
MACHINE TAPS SPIRAL FLUTE FOR BLIND HOLES 35°

Isometric thread coarse pitch - reinforced shank, the vaporization treatment increases the surface hardness and wear resistance by reducing the possibility of chip sticking.



| | | | | | |
|------------------|--------------|-----------|--|--|--|
| | HSS-G | | | | |
| Box | | Vaporized | | | |
| | | | | | |
| 371/C | HV=750 | External | | | |
| | | | | | |
| R<700N/mm² | Steel | Aluminum | | | |
| | | | | | |
| Non-ferr. alloys | Cast Iron | Oil | | | |

| Art. | B | L2 | L1 | D2 | C |
|----------|-----------|-------|--------|--------|--------|
| M003/03V | M3 x 0,50 | 11 mm | 56 mm | 3.5 mm | 2.7 mm |
| M003/04V | M4 x 0,70 | 13 mm | 63 mm | 4.5 mm | 3.4 mm |
| M003/05V | M5 x 0,80 | 16 mm | 75 mm | 6 mm | 4.9 mm |
| M003/06V | M6 x 1 | 22 mm | 86 mm | 6 mm | 4.9 mm |
| M003/08V | M8 x 1,25 | 22 mm | 90 mm | 8 mm | 6.2 mm |
| M003/10V | M10 x 1,5 | 24 mm | 100 mm | 10 mm | 8 mm |

M003-XXX
MACHINE TAPS SPIRAL FLUTE FOR BLIND HOLES 35°

Isometric thread coarse pitch.



| | | | | | |
|-----------|--------------|------------------|--|--|--|
| | HSS-G | | | | |
| Box | | 376/C | | | |
| | | | | | |
| HV=750 | External | R<700N/mm² | | | |
| | | | | | |
| Steel | Aluminum | Non-ferr. alloys | | | |
| | | | | | |
| Cast Iron | Oil | Lathe | | | |

| Art. | B | L2 | L1 | D2 | C |
|---------|------------|-------|--------|-------|---------|
| M003/12 | M12 x 1,75 | 29 mm | 110 mm | 9 mm | 7 mm |
| M003/14 | M14 x 2 | 30 mm | 110 mm | 11 mm | 9 mm |
| M003/16 | M16x2 | 32 mm | 110 mm | 12 mm | 9 mm |
| M003/18 | M18 x 2,5 | 34 mm | 125 mm | 14 mm | 11 mm |
| M003/20 | M20 x 2,5 | 34 mm | 140 mm | 16 mm | 12 mm |
| M003/22 | M22 x 2,5 | 34 mm | 140 mm | 18 mm | 14.5 mm |
| M003/24 | M24 x 3 | 38 mm | 160 mm | 18 mm | 14.5 mm |
| M003/27 | M27 x 3 | 38 mm | 160 mm | 20 mm | 16 mm |
| M003/30 | M30 x 3,5 | 45 mm | 180 mm | 22 mm | 18 mm |

M003-XXV
MACHINE TAPS SPIRAL FLUTE FOR BLIND HOLES 35°

Isometric thread coarse pitch - reinforced shank, the vaporization treatment increases the surface hardness and wear resistance by reducing the possibility of chip sticking.

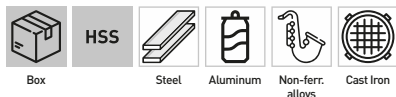


| | | | | | |
|------------------|--------------|-----------|--|--|--|
| | HSS-G | | | | |
| Box | | Vaporized | | | |
| | | | | | |
| 376/C | HV=750 | External | | | |
| | | | | | |
| R<700N/mm² | Steel | Aluminum | | | |
| | | | | | |
| Non-ferr. alloys | Cast Iron | Oil | | | |

| Art. | B | L2 | L1 | D2 | C |
|----------|------------|-------|--------|-------|-------|
| M003/12V | M12 x 1,75 | 29 mm | 110 mm | 9 mm | 7 mm |
| M003/14V | M14 x 2 | 30 mm | 110 mm | 11 mm | 9 mm |
| M003/16V | M16 x 2 | 32 mm | 110 mm | 12 mm | 9 mm |
| M003/18V | M18 x 2,5 | 34 mm | 125 mm | 14 mm | 11 mm |
| M003/20V | M20 x 2,5 | 34 mm | 140 mm | 16 mm | 12 mm |

**0890-****3 IN 1 DRILLING-TAPPING-DEBURRING TOOL**

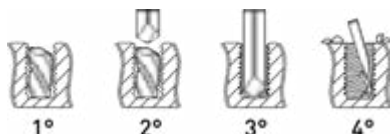
Thanks to the particular geometry in a single operation it is able to drill, thread and countersink.



| Art. | Taps | Shank | Dimensions |
|----------|-----------|-------|------------|
| 0890/M3 | M3 x 0,5 | 1/4" | 52 mm |
| 0890/M4 | M4 x 0,7 | 1/4" | 52 mm |
| 0890/M5 | M5 x 0,8 | 1/4" | 54 mm |
| 0890/M6 | M6 x 1 | 1/4" | 56 mm |
| 0890/M8 | M8 x 1,25 | 1/4" | 58 mm |
| 0890/M10 | M10 x 1,5 | 1/4" | 60 mm |

0897-**HARD METAL TAP CRUSHER TOOL**

For removing broken taps inside holes. Cylindrical shank with hexagon for housing in the spindle, and self-centering cutting edge.



| Art. | L | l | Taps | Stem |
|----------|--------|-------|------|-------|
| 0897/M3 | 38 mm | 10 mm | M3 | 3 mm |
| 0897/M4 | 46 mm | 15 mm | M4 | 4 mm |
| 0897/M5 | 50 mm | 19 mm | M5 | 5 mm |
| 0897/M6 | 50 mm | 23 mm | M6 | 6 mm |
| 0897/M8 | 60 mm | 23 mm | M8 | 7 mm |
| 0897/M10 | 100 mm | 25 mm | M10 | 9 mm |
| 0897/M12 | 100 mm | 35 mm | M12 | 12 mm |

G003-**RATCHET TAP HOLDER**

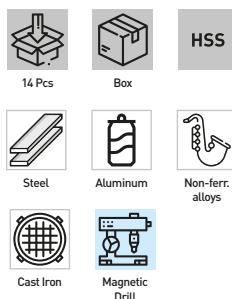
In right-hand, left-hand or fixed position. Equipped with a level on the head to facilitate correct alignment of the tap with the bore.



| Art. | Length | Taps | Square |
|--------|--------|----------|---------------|
| G003/1 | 85 mm | M3 ÷ M8 | 1,75 ÷ 5,5 mm |
| G003/2 | 100 mm | M5 ÷ M12 | 4 ÷ 8 mm |
| G003/3 | 250 mm | M3 ÷ M8 | 2,7 ÷ 5 mm |
| G003/4 | 300 mm | M5 ÷ M12 | 4,9 ÷ 8 mm |

0890**3 IN 1 DRILLING-TAPING-DEBURRING TOOL AND BIT SET**

Thanks to the particular geometry in a single operation it is able to drill, thread and countersink. With quick change holder.



| | |
|-----------|---|
| Taps | M3 x 0,5 - M4 x 0,7 - M5 x 0,8 - M6 x 1 - M8 x 1,25 - M10 x 1,5 |
| Shank | 1/4" |
| Phillips | 1 - 2 |
| Pozi-driv | 1 - 2 |
| Slotted | 4 - 5 mm |

G002-**ADJUSTABLE TAP HOLDER**

With hardened jaws, a handle that can be unscrewed to carry out jobs with tight dimensions.



| Art. | Taps | Square |
|--------|----------|------------|
| G002/1 | M1 ÷ M10 | 1,75 ÷ 5,5 |
| G002/2 | M4 ÷ M12 | 2,4 ÷ 8 mm |
| G002/3 | M5 ÷ M20 | 2,7 ÷ 12 |

G011-**TAP HOLDER WITH PILOT SPINDLE**

Equipped with a centring guide pin, which allows it to be fixed on machine tool spindles in order to maintain the straightness of the tap with respect to the previously drilled pre-drilled hole.

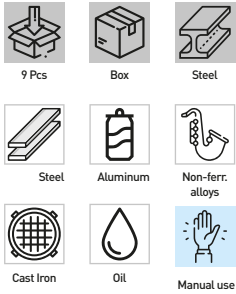


| Art. | Taps | Square | Cylindric shank |
|--------|----------|-----------|-----------------|
| G011/1 | M2 ÷ M6 | 3 ÷ 5 mm | Ø6,25 mm |
| G011/2 | M6 ÷ M12 | 5 ÷ 12 mm | Ø7,60 mm |

F123

ROUND DIE SET

From M3 to M12, complete with round die-stock.



| | |
|-----------------|------------------------------------|
| Size | M3 - M4 - M5 - M6 - M8 - M10 - M12 |
| Round die-stock | 25 x 9 mm |

G001-

ROUND DIE-STOCK

With 3 die screws, 1 unscrewable handle to carry out jobs with tight dimensions.



| Art. | Die dimensions | For dies |
|---------|----------------|-----------|
| G001/20 | 20 x 7 mm | M4,5 ÷ M6 |
| G001/25 | 25 x 9 mm | M7 ÷ M9 |
| G001/30 | 30 x 11 mm | M10 ÷ M11 |
| G001/38 | 38 x 14 mm | M12 ÷ M14 |
| G001/45 | 45 x 18 mm | M16 ÷ M20 |
| G001/55 | 55 x 22 mm | M22 ÷ M24 |

F121-

METRIC DIE FOR COARSE PITCH

With correct entry on both sides to facilitate the execution of the thread and correctly evacuate the shavings in the cutting direction.

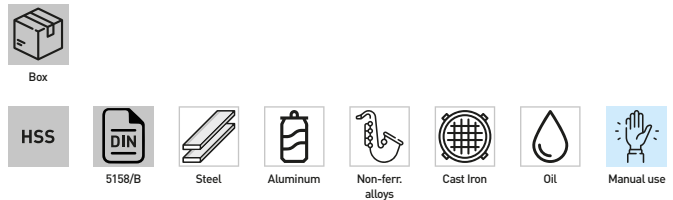


| Art. | Pitch | Dimensions |
|---------|--------------|-------------|
| F121/03 | 3 x 0,5 mm | Ø20 x 5 mm |
| F121/04 | 4 x 0,7 mm | Ø20 x 5 mm |
| F121/05 | 5 x 0,8 mm | Ø20 x 7 mm |
| F121/06 | 6 x 1 mm | Ø20 x 7 mm |
| F121/08 | 8 x 1,25 mm | Ø25 x 9 mm |
| F121/10 | 10 x 1,5 mm | Ø30 x 11 mm |
| F121/12 | 12 x 1,75 mm | Ø38 x 14 mm |
| F121/14 | 14 x 2 mm | Ø38 x 14 mm |
| F121/16 | 16 x 2 mm | Ø45 x 18 mm |
| F121/18 | 18 x 2,5 mm | Ø45 x 18 mm |
| F121/20 | 20 x 2,5 mm | Ø45 x 18 mm |

F122-

DIE GAS THREAD

With correct entry on both sides to facilitate the execution of the thread and correctly evacuate the shavings in the cutting direction.



| Art. | Pitch | Dimensions |
|----------|---------|-------------|
| F122/1/8 | G1/8-28 | Ø30 x 11 mm |
| F122/1/4 | G1/4-19 | Ø38 x 10 mm |
| F122/3/8 | G3/8-19 | Ø45 x 14 mm |
| F122/1/2 | G1/2-14 | Ø45 x 14 mm |
| F122/5/8 | G5/8-14 | Ø55 x 16 mm |
| F122/3/4 | G3/4-14 | Ø55 x 16 mm |
| F122/7/8 | G7/8-14 | Ø65 x 18 mm |
| F122/1 | G1-11 | Ø65 x 18 mm |

F-COIL THREAD RESTORER RANGE

It is essential for reinforcing threads in materials with reduced resistance (aluminium, aluminium alloys or magnesium). The industrial sectors where it is most used are: mechanical and building development, automotive industry, medical and electronic equipment, as well as aerospace and aeronautical construction.

Tapping reinforcement eliminates wear on the tapping itself, allowing frequent use of the thread.

It is essential for the economical and lasting restoration of worn or discarded threads during manufacture.

RESTORATION AND LAYING PROCEDURE

1st operation
Knowing the type of damaged thread

Knowledge of the type of damaged thread so that the appropriate kit can be purchased to restore it.



2nd operation
Drilling execution with specific drill tip

Drilling for removal of the damaged thread and thread preparation for the new F-Coil thread insert



3rd operation
Tapping execution for preparation of F-Coil thread housing

Execution of the tapping operation with the specific tap for creating the housing for the F-Coil thread insert.



4th operation
Screw in the Coil insert with the appropriate tool

Screw in the F-Coil insert with the F-Coil mounting tool to the required depth. If one helix is not enough, you can add more helix up to the necessary depth. The application of thread-locking glue is recommended to avoid possible disassembly of the F-Coil



5th operation
Breaking of the driving notch with a special cutter

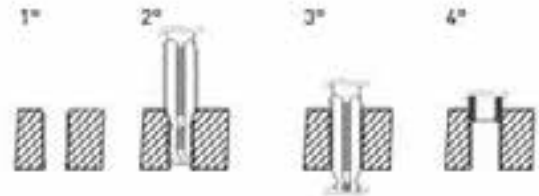
Once the thread-insert has been installed, break off the retention stud bolt. In order to break it, the specific breaking tool must be used. From a thread size of M14 onwards, it is possible to perform this operation with the use of a clamp where the pitch size permits.



REPAIR THREADS FOR SPARK PLUG SEATS

To restore damaged spark plug seats the procedure is different: Threading is carried out directly on the damaged thread with the special tap supplied with the KIT. The F-COIL thread bushing is then inserted and must be screwed in completely up to the stop.

The application of thread-locking adhesive is recommended.



COMPOSITION OF THE THREAD REPAIR KIT

| | | | |
|---|---|--------------------------------|--|
| 1 | Stainless steel threaded inserts to be inserted in the tapping performed by recreating the previously damaged thread (Available in 1xØ, 1.5xØ, 2xØ, 2.5xØ and 3xØ lengths) | | |
| 2 | Helical HSS bit for making the pre-hole for the tap | | |
| 3 | Specific tap for tapping for the application of the threaded insert | | |
| 4 | Tool for mounting F-Coil threaded inserts | For threaded inserts up to M24 | |
| | | For M26 inserts | |
| 5 | Specific tool for breaking the F-Coil tang | | |

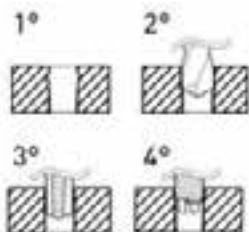




E010

METRIC THREAD REPAIR F-COIL SET

Suitable for thread regeneration or to obtain very resistant tapping in soft materials.

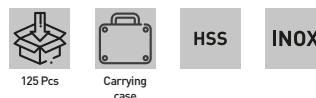
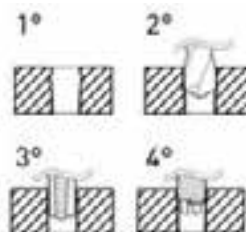


| | |
|---------------------|--|
| Sizes | M5 - M12 |
| STI Taps | M5 x 0.8 - M6 x 1.0 - M8 x 1.25 - M10 x 1.5 - M12 x 1.75 |
| Drills | 5.2 mm - 6.3 mm - 8.3 mm - 10.4 mm - 12.4 mm |
| Wire-thread inserts | M5=25 M6=25 M8=25 M10=25 M12=10 |
| Inserting tool | 5 Pcs |
| Tang break tool | 5 Pcs |

E010B

METRIC THREAD REPAIR F-COIL SET

Suitable for thread regeneration or to obtain very resistant tapping in soft materials.

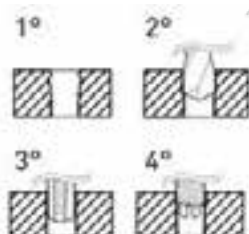


| | |
|---------------------|--|
| Sizes | M6 - M14 |
| STI Taps | M6 x 1.0 - M8 x 1.25 - M10 x 1.5 - M12 x 1.75 - M14 x 1.25 |
| Drills | 6.3 mm - 8.3 mm - 10.4 mm - 12.4 mm |
| Wire-thread inserts | M6=25 M8=25 M10=20 M12=15 M14=25 |
| Inserting tool | 5 Pcs |
| Tang break tool | 5 Pcs |

E010E

METRIC THREAD REPAIR F-COIL SET

Suitable for thread regeneration or to obtain very resistant tapping in soft materials.

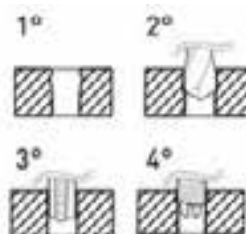


| | |
|---------------------|--|
| Sizes | M5 - M12 |
| STI Taps | M5 x 0.8 - M6 x 1.0 - M8 x 1.25 - M10 x 1.5 - M12 x 1.75 |
| Drills | 5.2 mm - 6.3 mm - 8.3 mm - 10.4 mm - 12.4 mm |
| Wire-thread inserts | M5=25 M6=25 M8=25 M10=25 M12=10 |
| Inserting tool | 5 Pcs |
| Tang break tool | 5 Pcs |

E010-

THREAD REPAIR INSERT SET

Suitable for thread regeneration or to obtain very resistant tapping in soft materials.



| Art. | Thread insert | Boring bit | Taps | Handle |
|----------|---------------|------------|--------------|--------|
| E010/M05 | M5 | 5,2 mm | x M5 | 2 |
| E010/M06 | M6 | 6,3 mm | x M6 | 2 |
| E010/M08 | M8 | 8,3 mm | x M8 | 2 |
| E010/M10 | M10 | 10,4 mm | x M10 | 2 |
| E010/M12 | M12 | 12,4 mm | x M12 | 2 |
| E010/M14 | M14 x 1,25 | 14,4 mm | x M14 x 1,25 | 2 |

E011A
METRIC THREAD REPAIR F-COIL SET

Suitable for thread regeneration or to obtain very resistant tapping in soft materials.



| | |
|---------------------|--|
| Sizes | M5 - M12 |
| STI Taps | M5 x 0.8 - M6 x 1.0 - M8 x 1.25 - M10 x 1.5 - M12 x 1.75 |
| Drills | 5.2 mm - 6.3 mm - 8.3 mm - 10.4 mm - 12.4 mm |
| Wire-thread inserts | M5=25 M6=25 M8=25 M10=25 M12=10 |
| Inserting tool | 5 Pcs |
| Tang break tool | 5 Pcs |

E011B
METRIC THREAD REPAIR F-COIL SET

Suitable for thread regeneration or to obtain very resistant tapping in soft materials.



| | |
|---------------------|--|
| Sizes | M6 - M14 |
| STI Taps | M6 x 1.0 - M8 x 1.25 - M10 x 1.5 - M12 x 1.75 - M14 x 1.25 |
| Drills | 6.3 mm - 8.3 mm - 10.4 mm - 12.4 mm |
| Wire-thread inserts | M6=25 M8=25 M10=25 M12=10 M14=10 |
| Inserting tool | 5 Pcs |
| Tang break tool | 4 Pcs |

E011C
METRIC THREAD REPAIR F-COIL SET

Suitable for thread regeneration or to obtain very resistant tapping in soft materials.



| | |
|---------------------|------------------------------------|
| Sizes | M6 - M10 |
| STI Taps | M6 x 1.0 - M8 x 1.25 - M10 x 1.5 |
| Drills | 6.3 mm - 8.3 mm - 10.4 mm |
| Wire-thread inserts | M6 25 Pcs - M8 25 Pcs - M10 25 Pcs |
| Inserting tool | 3 Pcs |
| Tang break tool | 3 Pcs |

E011D
METRIC THREAD REPAIR F-COIL SET

Suitable for thread regeneration or to obtain very resistant tapping in soft materials. 14 mm size specific for car spark plugs.



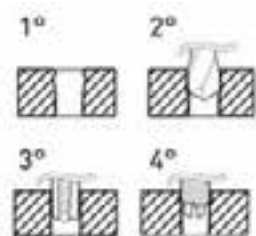
| | |
|---------------------|--|
| Sizes | M6 - M14 |
| STI Taps | M6 x 1.0 - M8 x 1.25 - M10 x 1.5 - M12 x 1.75 - M14 x 1.25 |
| Drills | 6.3 mm - 8.3 mm - 10.4 mm - 12.4 mm |
| Wire-thread inserts | M6 25 Pcs - M8 25 Pcs - M10 25 Pcs - M12 10 Pcs - M14 10 Pcs |
| Inserting tool | 5 Pcs |
| Tang break tool | 4 Pcs |



E011-MX1

METRIC THREAD REPAIR F-COIL SET

Suitable for thread regeneration or to obtain very resistant tapping in soft materials.

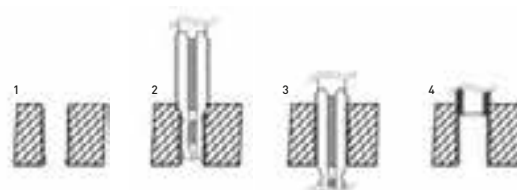


| Art. | Dimensions | Boring bit | STI Taps | Inserting tool | Tang break tool | Inserts quantity |
|---------------|--------------|------------|----------------|----------------|-----------------|------------------|
| E011/M020X040 | M 2 x 0.4 | Ø 2.1 mm | E011/M020X040M | E011/U02 | E011/A02 | 20 |
| E011/M025X045 | M 2.5 x 0.45 | Ø 2.6 mm | E011/M025X045M | E011/U03 | E011/A03 | 20 |
| E011/M030X050 | M 3 x 0.5 | Ø 3.2 mm | E011/M030X050M | E011/U04 | E011/A04 | 20 |
| E011/M035X060 | M 3.5 x 0.6 | Ø 3.7 mm | E011/M035X060M | E011/U05 | E011/A05 | 20 |
| E011/M040X070 | M 4 x 0.7 | Ø 4.2 mm | E011/M040X070M | E011/U06 | E011/A06 | 20 |
| E011/M050X080 | M 5 x 0.8 | Ø 5.2 mm | E011/M050X080M | E011/U08 | E011/A08 | 20 |
| E011/M060X100 | M 6 x 1.0 | Ø 6.3 mm | E011/M060X100M | E011/U09 | E011/A09 | 20 |
| E011/M070X100 | M 7 x 1.0 | Ø 7.3 mm | E011/M070X100M | E011/U10 | E011/A11 | 20 |
| E011/M080X100 | M 8 x 1.0 | Ø 8.3 mm | E011/M080X100M | E011/U11 | E011/A11 | 20 |
| E011/M080X125 | M 8 x 1.25 | Ø 8.3 mm | E011/M080X125M | E011/U11 | E011/A11 | 20 |
| E011/M090X100 | M 9 x 1.0 | Ø 9.3 mm | E011/M090X100M | E011/U12 | E011/A12 | 10 |
| E011/M090X125 | M 9 x 1.25 | Ø 9.3 mm | E011/M090X125M | E011/U12 | E011/A12 | 15 |
| E011/M100X100 | M 10 x 1.0 | Ø 10.3 mm | E011/M100X100M | E011/U13 | E011/A13 | 15 |
| E011/M100X125 | M 10 x 1.25 | Ø 10.3 mm | E011/M100X125M | E011/U13 | E011/A13 | 15 |
| E011/M100X150 | M 10 x 1.5 | Ø 10.4 mm | E011/M100X150M | E011/U13 | E011/A13 | 15 |
| E011/M110X150 | M 11 x 1.5 | Ø 11.4 mm | E011/M110X150M | E011/U14 | E011/A14 | 10 |
| E011/M120X100 | M 12 x 1.0 | Ø 12.3 mm | E011/M120X100M | E011/U15 | E011/A15 | 10 |
| E011/M120X125 | M 12 x 1.25 | Ø 12.3 mm | E011/M120X125M | E011/U15 | E011/A15 | 10 |
| E011/M120X150 | M 12 x 1.5 | Ø 12.4 mm | E011/M120X150M | E011/U15 | E011/A15 | 10 |
| E011/M120X175 | M 12 x 1.75 | Ø 12.4 mm | E011/M120X175M | E011/U15 | E011/A15 | 10 |
| E011/M140X100 | M 14 x 1.0 | - | E011/M140X100M | E011/U16 | - | 10 |
| E011/M140X125 | M 14 x 1.25 | - | E011/M140X125M | E011/U16 | - | 10 |
| E011/M140X150 | M 14 x 1.5 | - | E011/M140X150M | E011/U17 | - | 10 |
| E011/M140X200 | M 14 x 2.0 | - | E011/M140X200M | E011/U17 | - | 10 |
| E011/M160X150 | M 16 x 1.5 | - | E011/M160X150M | E011/U18 | - | 10 |
| E011/M160X200 | M 16 x 2.0 | - | E011/M160X200M | E011/U18 | - | 10 |
| E011/M180X150 | M 18 x 1.5 | - | E011/M180X150M | E011/U20 | - | 5 |
| E011/M180X200 | M 18 x 2.0 | - | E011/M180X200M | E011/U20 | - | 5 |
| E011/M180X250 | M 18 x 2.5 | - | E011/M180X250M | E011/U20 | - | 5 |
| E011/M200X150 | M 20 x 1.5 | - | E011/M200X150M | E011/U21 | - | 5 |
| E011/M200X200 | M 20 x 2.0 | - | E011/M200X200M | E011/U21 | - | 5 |
| E011/M200X250 | M 20 x 2.5 | - | E011/M200X250M | E011/U21 | - | 5 |
| E011/M220X150 | M 22 x 1.5 | - | E011/M220X150M | E011/U22 | - | 5 |
| E011/M220X200 | M 22 x 2.0 | - | E011/M220X200M | E011/U22 | - | 5 |
| E011/M220X250 | M 22 x 2.5 | - | E011/M220X250M | E011/U22 | - | 5 |
| E011/M240X150 | M 24 x 1.5 | - | E011/M240X150M | E011/U23 | - | 5 |
| E011/M240X200 | M 24 x 2.0 | - | E011/M240X200M | E011/U23 | - | 5 |
| E011/M240X300 | M 24 x 3.0 | - | E011/M240X300M | E011/U23 | - | 5 |

E011/M140X125B

METRIC SPARK PLUG SOLID THREAD REPAIR SET

Specific for repairs or reinforcement of spark plug seats.



STI Taps

Wire-thread inserts

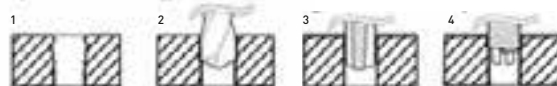
E011/M140X125MCB

4 x H 9.5 mm - 4 x H 11.2 mm - 4 x H 12.7 mm - 4 x H 17.5 mm

E011-MXC

SPARK PLUG METRIC THREAD REPAIR F-COIL SET

Specific for repairs or reinforcement of spark plug seats.



| Art. | Size | Inserting tool | STI Taps | Wire-thread inserts |
|----------------|-------------|----------------|----------------|---|
| E011/M060X100C | M 6 x 1.0 | E011/U09 | E011/M060X100M | 10 |
| E011/M080X125C | M 8 x 1.25 | E011/U11 | E011/M080X125M | 10 |
| E011/M100X100C | M 10 x 1.0 | E011/U13 | E011/M100X100M | 10 |
| E011/M100X125C | M 10 x 1.25 | E011/U13 | E011/M100X125M | 10 |
| E011/M100X150C | M 10 x 1.5 | E011/U13 | E011/M100X150M | 10 |
| E011/M120X125C | M 12 x 1.25 | E011/U15 | E011/M120X125M | 10 |
| E011/M140X125C | M 14 x 1.25 | E011/U17 | E011/M140X125M | 5 x E010/M140X125E084 - 5 x E010/M140X125E124 - 5 x E010/M140X125E164 |

E010-MXEXC
STAINLESS STEEL THREAD REPAIR INSERT

Specific for repairs or reinforcement of spark plug seats. With rhomboidal section, with spring shape, which creates two perfectly concentric threads; an external one that mates with the threaded hole previously made and an internal one that receives the screw.



Hangable



| Art. | Dimensions | H | Pack |
|-------------------|-------------|---------|------|
| E010/M140X125E084 | M 14 x 1.25 | 8.4 mm | 10 |
| E010/M140X125E124 | M 14 x 1.25 | 12.4 mm | 10 |
| E010/M140X125E164 | M 14 x 1.25 | 16.4 mm | 10 |

E011/M140X125MCB
METRIC COMBINED TAP FOR SOLID INSERT

Specific for the creation of reset threads on spark plug seats.



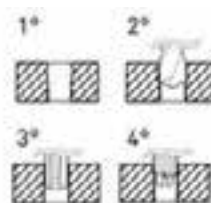
| | |
|---------|-------------|
| Size | M 16 x 1.25 |
| Hexagon | 18 mm |
| L | 70 mm |
| l | 32 mm |


E011/BSW
1/4-1/2 BSW THREAD REPAIR F-COIL SET

Suitable for thread regeneration or to obtain very resistant tapping in soft materials


 115 Pcs
Carrying case

| | |
|---------------------|--|
| Sizes | BSW 1/4" - 1/2" |
| STI Taps | 1/4"x20-5/16"x18-3/8"x16-7/16"x14-1/2"x12 |
| Drills | 6.6 mm - 8.3 mm - 9.9 mm - 11.5 mm - 13.0 mm |
| Wire-thread inserts | 1/4"=25 5/16"=25 3/8"=25 7/16"=10 1/2"=10 |
| Inserting tool | 5 Pcs |
| Tang break tool | 5 Pcs |

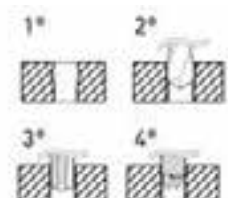

E011-BSWX
BSW THREAD REPAIR F-COIL SET

Suitable for thread regeneration or to obtain very resistant tapping in soft materials.



Hangable

| Art. | Thread | Boring bit | STI Taps | Inserting tool | Tang break tool | Wire-thread inserts | Inserts quantity |
|--------------|------------|------------|---------------|----------------|-----------------|---------------------|------------------|
| E011/BSW1/8 | 1/8" x 40 | Ø 3.4 mm | E011/BSW1/8M | E011/U04 | E011/A4 | E010/BSW1/8E15 | 20 |
| E011/BSW3/16 | 3/16" x 24 | Ø 5.0 mm | E011/BSW3/16M | E011/U08 | E011/A8 | E010/BSW3/16E15 | 20 |
| E011/BSW1/4 | 1/4" x 20 | Ø 6.7 mm | E011/BSW1/4M | E011/U09 | E011/A9 | E010/BSW1/4E15 | 20 |
| E011/BSW5/16 | 5/16" x 18 | Ø 8.3 mm | E011/BSW5/16M | E011/U10 | E011/A11 | E010/BSW5/16E15 | 20 |
| E011/BSW7/16 | 7/16" x 14 | Ø 11.5 mm | E011/BSW7/16M | E011/U14 | E011/A14 | E010/BSW7/16E15 | 10 |
| E011/BSW1/2 | 1/2" x 12 | Ø 13.0 mm | E011/BSW1/2M | E011/U15 | E011/A15 | E010/BSW1/2E15 | 10 |
| E011/BSW9/16 | 9/16" x 12 | - | E011/BSW9/16M | E011/U16 | - | E010/BSW9/16E15 | 10 |
| E011/BSW5/8 | 5/8" x 11 | - | E011/BSW5/8M | E011/U18 | - | E010/BSW5/8E15 | 10 |
| E011/BSW3/4 | 3/4" x 10 | - | E011/BSW3/4M | E011/U20 | - | E010/BSW3/4E15 | 5 |
| E011/BSW7/8 | 7/8" x 9 | - | E011/BSW7/8M | E011/U22 | - | E010/BSW7/8E15 | 5 |
| E011/BSW1 | 1" x 8 | - | E011/BSW1M | E011/U23 | - | E010/BSW1E15 | 4 |


E011-M140X125EX
SOLID THREAD INSERT SPARK PLUG SET

Specific for repairs or reinforcement of spark plug seats.



Hangable



| Art. | Size | H | Pack |
|-------------------|-------------|---------|------|
| E011/M140X125E095 | M 14 x 1.25 | 9.5 mm | 10 |
| E011/M140X125E112 | M 14 x 1.25 | 11.2 mm | 10 |
| E011/M140X125E127 | M 14 x 1.25 | 12.7 mm | 10 |
| E011/M140X125E175 | M 14 x 1.25 | 17.5 mm | 10 |

E011/MC
METRIC GLOW PLUG SOLID THREAD REPAIR SET

Specific for repairs or reinforcement of glow plug seats.



33 Pcs

Box

| | |
|----------|---|
| Sizes | 8 mm - 10 mm - 12 mm |
| STI Taps | M8x1 - M10x1 - M10x1.25 - M12x1 - M12x1.25 - M14x1.25 |



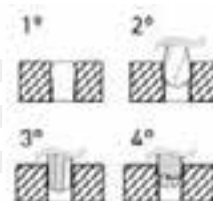
E011/BSF

1/4-1/2 BSF THREAD REPAIR F-COIL SET

Suitable for thread regeneration or to obtain very resistant tapping in soft materials.



| | |
|----------------------------|--|
| Sizes | BSF 1/4" - 1/2" |
| STI Taps | 1/4"x26-5/16"x22-3/8"x20-7/16"x18-1/2"x16 |
| Drills | 6.6 mm - 8.3 mm - 9.9 mm - 11.5 mm - 13.0 mm |
| Wire-thread inserts | 1/4"=25 5/16"=25 3/8"=25 7/16"=10 - 1/2"=10 |
| Inserting tool | 5 Pcs |
| Tang break tool | 5 Pcs |



E011-BSFX

BSF THREAD REPAIR F-COIL SET

Suitable for thread regeneration or to obtain very resistant tapping in soft materials.



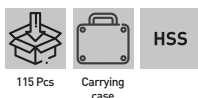
| Art. | Thread | Boring bit | STI Taps | Inserting tool | Tang break tool | Wire-thread inserts | Inserts quantity |
|--------------|------------|------------|---------------|----------------|-----------------|---------------------|------------------|
| E011/BSF3/16 | 3/16" x 32 | Ø 5.0 mm | E011/BSF3/16M | E011/U07 | E011/A06 | E010/BSF3/16E15 | 20 |
| E011/BSF1/4 | 1/4" x 26 | Ø 6.6 mm | E011/BSF1/4M | E011/U09 | E011/A09 | E010/BSF1/4E15 | 20 |
| E011/BSF5/16 | 5/16" x 22 | Ø 8.3 mm | E011/BSF5/16M | E011/U11 | E011/A11 | E010/BSF5/16E15 | 20 |
| E011/BSF3/8 | 3/8" x 20 | Ø 9.9 mm | E011/BSF3/8M | E011/U13 | E011/A13 | E010/BSF3/8E15 | 15 |
| E011/BSF7/16 | 7/16" x 18 | Ø 11.5 mm | E011/BSF7/16M | E011/U14 | E011/A14 | E010/BSF7/16E15 | 10 |
| E011/BSF1/2 | 1/2" x 16 | Ø 13.0 mm | E011/BSF1/2M | E011/U15 | E011/A15 | E010/BSF1/2E15 | 10 |
| E011/BSF9/16 | 9/16" x 16 | - | E011/BSF9/16M | E011/U16 | - | E010/BSF9/16E15 | 10 |
| E011/BSF5/8 | 5/8" x 14 | - | E011/BSF5/8M | E011/U18 | - | E010/BSF5/8E15 | 10 |
| E011/BSF3/4 | 3/4" x 12 | - | E011/BSF3/4M | E011/U20 | - | E010/BSF3/4E15 | 5 |
| E011/BSF7/8 | 7/8" x 11 | - | E011/BSF7/8M | E011/U22 | - | E010/BSF7/8E15 | 5 |
| E011/BSF1 | 1" x 10 | - | E011/BSF1M | E011/U23 | - | E010/BSF1E15 | 4 |



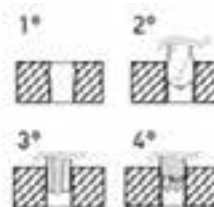
E011/UNC

1/4-1/2 UNC THREAD REPAIR F-COIL SET

Suitable for thread regeneration or to obtain very resistant tapping in soft materials.



| | |
|----------------------------|--|
| Sizes | UNC 1/4" - 1/2" |
| STI Taps | 1/4"x20-5/16"x18-3/8"x16-7/16"x14-1/2"x13 |
| Drills | 6.7 mm - 8.6.7 mm - 8.3 mm - 9.9 mm - 11.6 mm - 13.0 mm3 mm - 9. |
| Wire-thread inserts | 1/4"=25 5/16"=25 3/8"=25 7/16"=10 1/2"=10 |
| Inserting tool | 5 Pcs |
| Tang break tool | 5 Pcs |



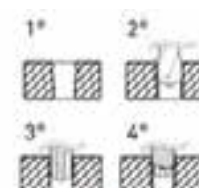
E011-UNCX

UNC THREAD REPAIR F-COIL SET

Suitable for thread regeneration or to obtain very resistant tapping in soft materials.

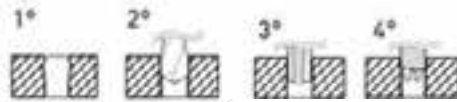


| Art. | Thread | Drills | STI Taps | Inserting tool | Tang break tool | Wire-thread inserts | Inserts quantity |
|--------------|------------|-----------|---------------|----------------|-----------------|---------------------|------------------|
| E011/UNC1/4 | 1/4" x 20 | Ø 6.7 mm | E011/UNC1/4M | E011/U09 | E011/A09 | E010/UNC1/4E15 | 20 |
| E011/UNC5/16 | 5/16" x 18 | Ø 8.3 mm | E011/UNC5/16M | E011/U10 | E011/A11 | E010/UNC5/16E15 | 20 |
| E011/UNC3/8 | 3/8" x 16 | Ø 9.9 mm | E011/UNC3/8M | E011/U06 | E011/A06 | E010/UNC3/8E15 | 20 |
| E011/UNC7/16 | 7/16" x 14 | Ø 11.6 mm | E011/UNC7/16M | E011/U14 | E011/A14 | E010/UNC7/16E15 | 10 |
| E011/UNC1/2 | 1/2" x 13 | Ø 13.0 mm | E011/UNC1/2M | E011/U15 | E011/A15 | E010/UNC1/2E15 | 10 |
| E011/UNC9/16 | 9/16" x 12 | - | E011/UNC9/16M | E011/U16 | - | E010/UNC9/16E15 | 10 |
| E011/UNC5/8 | 5/8" x 1 | - | E011/UNC5/8M | E011/U18 | - | E010/UNC5/8E15 | 10 |
| E011/UNC3/4 | 3/4" x 10 | - | E011/UNC3/4M | E011/U20 | - | E010/UNC3/4E15 | 5 |
| E011/UNC7/8 | 7/8" x 9 | - | E011/UNC7/8M | E011/U22 | - | E010/UNC7/8E15 | 5 |



E011/UNF
1/4-1/2 UNF THREAD REPAIR F-COIL SET

Suitable for thread regeneration or to obtain very resistant tapping in soft materials



| Sizes | UNF 1/4" - 1/2" |
|---------------------|--|
| STI Taps | 1/4"x28-5/16"x24-3/8"x24-7/16"x20-1/2"x20 |
| Drills | 6.7 mm - 8.3 mm - 9.8 mm - 11.5 mm - 13.0 mm |
| Wire-thread inserts | 1/4"=25 5/16"=25 3/8"=25 7/16"=10 - 1/2"=10 |
| Inserting tool | 5 Pcs |
| Tang break tool | 5 Pcs |

E011-UNFX
UNF THREAD REPAIR F-COIL SET

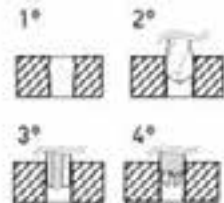
Suitable for thread regeneration or to obtain very resistant tapping in soft materials.



Hangable



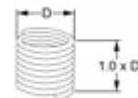
| Art. | Thread | Drills | STI Taps | Inserting tool | Tang break tool | Wire-thread inserts | Inserts quantity |
|--------------|-------------|-----------|---------------|----------------|-----------------|---------------------|------------------|
| E011/UNFN10 | No. 10 x 32 | Ø 5.1 mm | E011/UNFN10M | E011/U08 | E011/A08 | E010/UNFN10E15 | 20 |
| E011/UNF1/4 | 1/4" x 28 | Ø 6.7 mm | E011/UNF1/4M | E011/U09 | E011/A09 | E010/UNF1/4E15 | 20 |
| E011/UNF5/16 | 5/16" x 24 | Ø 8.3 mm | E011/UNF5/16M | E011/U11 | E011/A11 | E010/UNF5/16E15 | 20 |
| E011/UNF3/8 | 3/8" x 24 | Ø 9.8 mm | E011/UNF3/8M | E011/U13 | E011/A13 | E010/UNF3/8E15 | 15 |
| E011/UNF1/2 | 1/2" x 20 | Ø 13.0 mm | E011/UNF1/2M | E011/U15 | E011/A15 | E010/UNF1/2E15 | 10 |
| E011/UNF9/16 | 9/16" x 18 | - | E011/UNF9/16M | E011/U16 | - | E010/UNF9/16E15 | 10 |
| E011/UNF5/8 | 5/8" x 18 | - | E011/UNF5/8M | E011/U18 | - | E010/UNF5/8E15 | 10 |
| E011/UNF3/4 | 3/4" x 16 | - | E011/UNF3/4M | E011/U21 | - | E010/UNF3/4E15 | 5 |
| E011/UNF7/8 | 7/8" x 14 | - | E011/UNF7/8M | E011/U22 | - | E010/UNF7/8E15 | 5 |
| E011/UNF1 | 1" x 12 | - | E011/UNF112M | E011/U23 | - | E010/UNF1E15 | 4 |


E010-MXE1
STAINLESS STEEL THREAD REPAIR INSERT H=1XD

Rhomboid section, with spring shape, which creates two perfectly concentric threads; an external one that is coupled with the previously threaded hole with the appropriate male and an internal one where the fixing screw will be screwed.



Hangable



| Art. | D | Pack |
|-----------------|--------------|------|
| E010/M020X040E1 | M 2 x 0.4 | 25 |
| E010/M022X045E1 | M 2.2 x 0.45 | 25 |
| E010/M025X045E1 | M 2.5 x 0.45 | 25 |
| E010/M030X050E1 | M 3 x 0.5 | 25 |
| E010/M035X060E1 | M 3.5 x 0.6 | 25 |
| E010/M040X070E1 | M 4 x 0.7 | 25 |
| E010/M050X080E1 | M 5 x 0.8 | 25 |
| E010/M060X100E1 | M 6 x 1.0 | 25 |
| E010/M070X100E1 | M 7 x 1.0 | 25 |
| E010/M080X100E1 | M 8 x 1.0 | 25 |
| E010/M080X125E1 | M 8 x 1.25 | 25 |
| E010/M090X125E1 | M 9 x 1.25 | 25 |
| E010/M100X100E1 | M 10 x 1.0 | 25 |
| E010/M100X125E1 | M 10 x 1.25 | 25 |
| E010/M100X150E1 | M 10 x 1.5 | 25 |
| E010/M110X150E1 | M 11 x 1.5 | 10 |
| E010/M120X100E1 | M 12 x 1.0 | 10 |
| E010/M120X125E1 | M 12 x 1.25 | 10 |
| E010/M120X150E1 | M 12 x 1.5 | 10 |

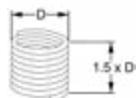
| Art. | D | Pack |
|-----------------|-------------|------|
| E010/M120X175E1 | M 12 x 1.75 | 10 |
| E010/M140X100E1 | M 14 x 1.0 | 10 |
| E010/M140X125E1 | M 14 x 1.25 | 10 |
| E010/M140X150E1 | M 14 x 1.5 | 10 |
| E010/M140X200E1 | M 14 x 2.0 | 10 |
| E010/M160X150E1 | M 16 x 1.5 | 10 |
| E010/M160X200E1 | M 16 x 2.0 | 10 |
| E010/M180X150E1 | M 18 x 1.5 | 10 |
| E010/M180X200E1 | M 18 x 2.0 | 10 |
| E010/M180X250E1 | M 18 x 2.5 | 10 |
| E010/M200X150E1 | M 20 x 1.5 | 10 |
| E010/M200X200E1 | M 20 x 2.0 | 10 |
| E010/M200X250E1 | M 20 x 2.5 | 10 |
| E010/M220X150E1 | M 22 x 1.5 | 5 |
| E010/M220X200E1 | M 22 x 2.0 | 5 |
| E010/M220X250E1 | M 22 x 2.5 | 5 |
| E010/M240X150E1 | M 24 x 1.5 | 5 |
| E010/M240X200E1 | M 24 x 2.0 | 5 |
| E010/M240X300E1 | M 24 x 3.0 | 5 |



E010-MXE15

STAINLESS STEEL THREAD REPAIR INSERT H=1.5XD

Rhomboid section, with spring shape, which creates two perfectly concentric threads; an external one that is coupled with the previously threaded hole with the appropriate male and an internal one where the fixing screw will be screwed.

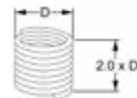


| Art. | D | Pack |
|------------------|--------------|------|
| E010/M020X040E15 | M 2 x 0.4 | 25 |
| E010/M022X045E15 | M 2.2 x 0.45 | 25 |
| E010/M025X045E15 | M 2.5 x 0.45 | 25 |
| E010/M030X050E15 | M 3 x 0.5 | 25 |
| E010/M035X060E15 | M 3.5 x 0.6 | 25 |
| E010/M040X070E15 | M 4 x 0.7 | 25 |
| E010/M050X080E15 | M 5 x 0.8 | 25 |
| E010/M060X100E15 | M 6 x 1.0 | 25 |
| E010/M070X100E15 | M 7 x 1.0 | 25 |
| E010/M080X100E15 | M 8 x 1.0 | 25 |
| E010/M080X125E15 | M 8 x 1.25 | 25 |
| E010/M090X100E15 | M 9 x 1.0 | 25 |
| E010/M090X125E15 | M 9 x 1.25 | 25 |
| E010/M100X100E15 | M 10 x 1.0 | 25 |
| E010/M100X125E15 | M 10 x 1.25 | 25 |
| E010/M100X150E15 | M 10 x 1.5 | 25 |
| E010/M110X150E15 | M 11 x 1.5 | 10 |
| E010/M120X100E15 | M 12 x 1.0 | 10 |
| E010/M120X125E15 | M 12 x 1.25 | 10 |
| E010/M120X150E15 | M 12 x 1.5 | 10 |
| E010/M120X175E15 | M 12 x 1.75 | 10 |
| E010/M140X100E15 | M 14 x 1.0 | 10 |
| E010/M140X125E15 | M 14 x 1.25 | 10 |
| E010/M140X150E15 | M 14 x 1.50 | 10 |
| E010/M140X200E15 | M 14 x 2.0 | 10 |
| E010/M160X150E15 | M 16 x 1.5 | 10 |
| E010/M160X200E15 | M 16 x 2.0 | 10 |
| E010/M180X150E15 | M 18 x 1.5 | 10 |
| E010/M180X200E15 | M 18 x 2.0 | 10 |
| E010/M180X250E15 | M 18 x 2.5 | 10 |
| E010/M200X150E15 | M 20 x 1.5 | 10 |
| E010/M200X200E15 | M 20 x 2.0 | 10 |
| E010/M200X250E15 | M 20 x 2.5 | 10 |
| E010/M220X150E15 | M 22 x 1.5 | 5 |
| E010/M220X200E15 | M 22 x 2.0 | 5 |
| E010/M220X250E15 | M 22 x 2.5 | 5 |
| E010/M240X150E15 | M 24 x 1.5 | 5 |
| E010/M240X200E15 | M 24 x 2.0 | 5 |
| E010/M240X300E15 | M 24 x 3.0 | 5 |
| E010/M260X150E15 | M 26 x 1.5 | 5 |
| E010/M270X150E15 | M 27 x 1.5 | 5 |
| E010/M270X200E15 | M 27 x 2.0 | 5 |
| E010/M270X300E15 | M 27 x 3.0 | 5 |
| E010/M280X150E15 | M 28 x 1.5 | 5 |
| E010/M300X150E15 | M 30 x 1.5 | 5 |
| E010/M300X200E15 | M 30 x 2.0 | 5 |
| E010/M300X350E15 | M 30 x 3.5 | 5 |
| E010/M330X200E15 | M 33 x 2.0 | 5 |
| E010/M330X350E15 | M 33 x 3.5 | 5 |
| E010/M360X150E15 | M 36 x 1.5 | 5 |
| E010/M360X200E15 | M 36 x 2.0 | 5 |
| E010/M360X300E15 | M 36 x 3.0 | 5 |
| E010/M360X400E15 | M 36 x 4.0 | 5 |
| E010/M390X300E15 | M 39 x 3.0 | 5 |
| E010/M390X400E15 | M 39 x 4.0 | 5 |
| E010/M400X300E15 | M 40 x 3.0 | 5 |
| E010/M420X300E15 | M 42 x 3.0 | 5 |
| E010/M450X300E15 | M 45 x 3.0 | 5 |

E010-MXE2

STAINLESS STEEL THREAD REPAIR INSERT H=2XD

Rhomboid section, with spring shape, which creates two perfectly concentric threads; an external one that is coupled with the previously threaded hole with the appropriate male and an internal one where the fixing screw will be screwed.

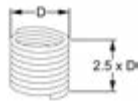


| Art. | D | Pack |
|-----------------|--------------|------|
| E010/M020X040E2 | M 2 x 0.4 | 25 |
| E010/M022X045E2 | M 2.2 x 0.45 | 25 |
| E010/M025X045E2 | M 2.5 x 0.45 | 25 |
| E010/M030X050E2 | M 3 x 0.5 | 25 |
| E010/M035X060E2 | M 3.5 x 0.6 | 25 |
| E010/M040X070E2 | M 4 x 0.7 | 25 |
| E010/M050X080E2 | M 5 x 0.8 | 25 |
| E010/M060X100E2 | M 6 x 1.0 | 25 |
| E010/M070X100E2 | M 7 x 1.0 | 25 |
| E010/M080X100E2 | M 8 x 1.0 | 25 |
| E010/M080X125E2 | M 8 x 1.25 | 25 |
| E010/M090X125E2 | M 9 x 1.25 | 25 |
| E010/M100X100E2 | M 10 x 1.0 | 25 |
| E010/M100X125E2 | M 10 x 1.25 | 25 |
| E010/M100X150E2 | M 10 x 1.5 | 25 |
| E010/M110X150E2 | M 11 x 1.5 | 10 |
| E010/M120X100E2 | M 12 x 1.0 | 10 |
| E010/M120X125E2 | M 12 x 1.25 | 10 |
| E010/M120X150E2 | M 12 x 1.5 | 10 |
| E010/M120X175E2 | M 12 x 1.75 | 10 |
| E010/M140X100E2 | M 14 x 1.0 | 10 |
| E010/M140X125E2 | M 14 x 1.25 | 10 |
| E010/M140X150E2 | M 14 x 1.5 | 10 |
| E010/M140X200E2 | M 14 x 2.0 | 10 |
| E010/M160X150E2 | M 16 x 1.5 | 10 |
| E010/M160X200E2 | M 16 x 2.0 | 10 |
| E010/M180X150E2 | M 18 x 1.5 | 10 |
| E010/M180X200E2 | M 18 x 2.0 | 10 |
| E010/M180X250E2 | M 18 x 2.5 | 10 |
| E010/M200X150E2 | M 20 x 1.5 | 10 |
| E010/M200X200E2 | M 20 x 2.0 | 10 |
| E010/M200X250E2 | M 20 x 2.5 | 10 |
| E010/M220X150E2 | M 22 x 1.5 | 5 |
| E010/M220X200E2 | M 22 x 2.0 | 5 |
| E010/M220X250E2 | M 22 x 2.5 | 5 |
| E010/M240X150E2 | M 24 x 1.5 | 5 |
| E010/M240X200E2 | M 24 x 2.0 | 5 |
| E010/M240X300E2 | M 24 x 3.0 | 5 |



E010-MXE25
STAINLESS STEEL THREAD REPAIR INSERT H=2.5XD

Rhomboid section, with spring shape, which creates two perfectly concentric threads; an external one that is coupled with the previously threaded hole with the appropriate male and an internal one where the fixing screw will be screwed.

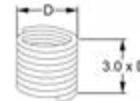

INOX

Hangable

| Art. | D | Pack |
|------------------|------------|------|
| E010/M020X040E25 | 2 x 0.4 | 25 |
| E010/M022X045E25 | 2.2 x 0.45 | 25 |
| E010/M025X045E25 | 2.5 x 0.45 | 25 |
| E010/M030X050E25 | 3 x 0.5 | 25 |
| E010/M035X060E25 | 3.5 x 0.6 | 25 |
| E010/M040X070E25 | 4 x 0.7 | 25 |
| E010/M050X080E25 | 5 x 0.8 | 25 |
| E010/M060X100E25 | 6 x 1.0 | 25 |
| E010/M070X100E25 | 7 x 1.0 | 25 |
| E010/M080X100E25 | 8 x 1.0 | 25 |
| E010/M080X125E25 | 8 x 1.25 | 25 |
| E010/M090X125E25 | 9 x 1.25 | 25 |
| E010/M100X100E25 | 10 x 1.0 | 25 |
| E010/M100X125E25 | 10 x 1.25 | 25 |
| E010/M100X150E25 | 10 x 1.5 | 25 |
| E010/M110X150E25 | 11 x 1.5 | 10 |
| E010/M120X100E25 | 12 x 1.0 | 10 |
| E010/M120X125E25 | 12 x 1.25 | 10 |
| E010/M120X150E25 | 12 x 1.5 | 10 |
| E010/M120X175E25 | 12 x 1.75 | 10 |
| E010/M140X100E25 | 14 x 1.0 | 10 |
| E010/M140X125E25 | 14 x 1.25 | 10 |
| E010/M140X150E25 | 14 x 1.5 | 10 |
| E010/M140X200E25 | 14 x 2.0 | 10 |
| E010/M160X150E25 | 16 x 1.5 | 10 |
| E010/M160X200E25 | 16 x 2.0 | 10 |
| E010/M180X150E25 | 18 x 1.5 | 10 |
| E010/M180X200E25 | 18 x 2.0 | 10 |
| E010/M180X250E25 | 18 x 2.5 | 10 |
| E010/M200X150E25 | 20 x 1.5 | 10 |
| E010/M200X200E25 | 20 x 2.0 | 10 |
| E010/M200X250E25 | 20 x 2.5 | 10 |
| E010/M220X150E25 | 22 x 1.5 | 5 |
| E010/M220X200E25 | 22 x 2.0 | 5 |
| E010/M220X250E25 | 22 x 2.5 | 5 |
| E010/M240X150E25 | 24 x 1.5 | 5 |
| E010/M240X200E25 | 24 x 2.0 | 5 |
| E010/M240X300E25 | 24 x 3.0 | 5 |

E010-MXE3
STAINLESS STEEL THREAD REPAIR INSERT H=3XD

Rhomboid section, with spring shape, which creates two perfectly concentric threads; an external one that is coupled with the previously threaded hole with the appropriate male and an internal one where the fixing screw will be screwed.


INOX

Hangable

| Art. | D | Pack |
|-----------------|--------------|------|
| E010/M020X040E3 | M 2 x 0.4 | 25 |
| E010/M022X045E3 | M 2.2 x 0.45 | 25 |
| E010/M025X045E3 | M 2.5 x 0.45 | 25 |
| E010/M030X050E3 | M 3 x 0.5 | 25 |
| E010/M035X060E3 | M 3.5 x 0.6 | 25 |
| E010/M040X070E3 | M 4 x 0.7 | 25 |
| E010/M050X080E3 | M 5 x 0.8 | 25 |
| E010/M060X100E3 | M 6 x 1.0 | 25 |
| E010/M070X100E3 | M 7 x 1.0 | 25 |
| E010/M080X100E3 | M 8 x 1.0 | 25 |
| E010/M080X125E3 | M 8 x 1.25 | 25 |
| E010/M090X125E3 | M 9 x 1.25 | 25 |
| E010/M100X100E3 | M 10 x 1.0 | 25 |
| E010/M100X125E3 | M 10 x 1.25 | 25 |
| E010/M100X150E3 | M 10 x 1.5 | 25 |
| E010/M110X150E3 | M 11 x 1.5 | 10 |
| E010/M120X100E3 | M 12 x 1.0 | 10 |
| E010/M120X125E3 | M 12 x 1.25 | 10 |
| E010/M120X150E3 | M 12 x 1.5 | 10 |
| E010/M120X175E3 | M 12 x 1.75 | 10 |
| E010/M140X100E3 | M 14 x 1.0 | 10 |
| E010/M140X125E3 | M 14 x 1.25 | 10 |
| E010/M140X150E3 | M 14 x 1.5 | 10 |
| E010/M140X200E3 | M 14 x 2.0 | 10 |
| E010/M160X150E3 | M 16 x 1.5 | 10 |
| E010/M160X200E3 | M 16 x 2.0 | 10 |
| E010/M180X150E3 | M 18 x 1.5 | 10 |
| E010/M180X200E3 | M 18 x 2.0 | 10 |
| E010/M180X250E3 | M 18 x 2.5 | 10 |
| E010/M200X150E3 | M 20 x 1.5 | 10 |
| E010/M200X200E3 | M 20 x 2.0 | 10 |
| E010/M200X250E3 | M 20 x 2.5 | 10 |
| E010/M220X150E3 | M 22 x 1.5 | 5 |
| E010/M220X200E3 | M 22 x 2.0 | 5 |
| E010/M220X250E3 | M 22 x 2.5 | 5 |
| E010/M240X150E3 | M 24 x 1.5 | 5 |
| E010/M240X200E3 | M 24 x 2.0 | 5 |
| E010/M240X300E3 | M 24 x 3.0 | 5 |

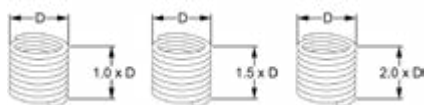




E010-MXEXA

SELF-LOCK STAINLESS STEEL THREAD REPAIR INSERT

Rhomboid section, with spring shape, which creates two perfectly concentric threads; an external one that is coupled with the previously threaded hole with the appropriate male and an internal one where the fixing screw will be screwed.

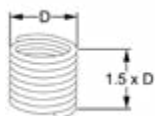


| Art. | D | Height | Pack |
|-------------------|-------------|--------|------|
| E010/M030X050E1A | M 3 x 0.5 | 1.0 D | 25 |
| E010/M040X070E1A | M 4 x 0.7 | 1.0 D | 25 |
| E010/M050X080E1A | M 5 x 0.8 | 1.0 D | 25 |
| E010/M060X100E1A | M 6 x 1.0 | 1.0 D | 25 |
| E010/M080X125E1A | M 8 x 1.25 | 1.0 D | 25 |
| E010/M100X150E1A | M 10 x 1.5 | 1.0 D | 25 |
| E010/M120X175E1A | M 12 x 1.75 | 1.0 D | 10 |
| E010/M140X200E1A | M 14 x 2.0 | 1.0 D | 10 |
| E010/M160X200E1A | M 16 x 2.0 | 1.0 D | 10 |
| E010/M030X050E15A | M 3 x 0.5 | 1.5 D | 25 |
| E010/M040X070E15A | M 4 x 0.7 | 1.5 D | 25 |
| E010/M050X080E15A | M 5 x 0.8 | 1.5 D | 25 |
| E010/M060X100E15A | M 6 x 1.0 | 1.5 D | 25 |
| E010/M080X125E15A | M 8 x 1.25 | 1.5 D | 25 |
| E010/M100X150E15A | M 10 x 1.5 | 1.5 D | 25 |
| E010/M120X175E15A | M 12 x 1.75 | 1.5 D | 10 |
| E010/M140X200E15A | M 14 x 2.0 | 1.5 D | 10 |
| E010/M160X200E15A | M 16 x 2.0 | 1.5 D | 10 |
| E010/M030X050E2A | M 3 x 0.5 | 2.0 D | 25 |
| E010/M040X070E2A | M 4 x 0.7 | 2.0 D | 25 |
| E010/M050X080E2A | M 5 x 0.8 | 2.0 D | 25 |
| E010/M060X100E2A | M 6 x 1.0 | 2.0 D | 25 |
| E010/M080X125E2A | M 8 x 1.25 | 2.0 D | 25 |
| E010/M100X150E2A | M 10 x 1.5 | 2.0 D | 25 |
| E010/M120X175E2A | M 12 x 1.75 | 2.0 D | 10 |
| E010/M140X200E2A | M 14 x 2.0 | 2.0 D | 10 |
| E010/M160X200E2A | M 16 x 2.0 | 2.0 D | 10 |

E010-BSFXEX

STAINLESS STEEL THREAD REPAIR INSERT BSF H=1.5XD

Rhomboid section, with spring shape, which creates two perfectly concentric threads; an external one that is coupled with the previously threaded hole with the appropriate male and an internal one where the fixing screw will be screwed.

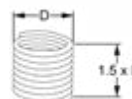


| Art. | D | Pack |
|-----------------|------------|------|
| E010/BSF3/16E15 | 3/16" x 32 | 10 |
| E010/BSF1/4E15 | 1/4" x 26 | 10 |
| E010/BSF5/16E15 | 5/16" x 22 | 10 |
| E010/BSF3/8E15 | 3/8" x 20 | 10 |
| E010/BSF7/16E15 | 7/16" x 18 | 10 |
| E010/BSF1/2E15 | 1/2" x 16 | 10 |
| E010/BSF9/16E15 | 9/16" x 16 | 5 |
| E010/BSF5/8E15 | 5/8" x 14 | 5 |
| E010/BSF3/4E15 | 3/4" x 12 | 5 |
| E010/BSF7/8E15 | 7/8" x 11 | 5 |
| E010/BSF1E15 | 1" x 10 | 5 |

E010-BSWXEX

STAINLESS STEEL THREAD REPAIR INSERT BSW H=1.5XD

Rhomboid section, with spring shape, which creates two perfectly concentric threads; an external one that is coupled with the previously threaded hole with the appropriate male and an internal one where the fixing screw will be screwed.

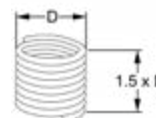


| Art. | D | Pack |
|-----------------|------------|------|
| E010/BSW1/8E15 | 1/8" x 40 | 10 |
| E010/BSW3/16E15 | 3/16" x 24 | 10 |
| E010/BSW1/4E15 | 1/4" x 20 | 10 |
| E010/BSW5/16E15 | 5/16" x 18 | 10 |
| E010/BSW3/8E15 | 3/8" x 16 | 10 |
| E010/BSW7/16E15 | 7/16" x 14 | 10 |
| E010/BSW1/2E15 | 1/2" x 12 | 10 |
| E010/BSW9/16E15 | 9/16" x 12 | 5 |
| E010/BSW5/8E15 | 5/8" x 11 | 5 |
| E010/BSW3/4E15 | 3/4" x 10 | 5 |
| E010/BSW7/8E15 | 7/8" x 9 | 5 |
| E010/BSW1E15 | 1" x 8 | 5 |

E010-UNCXEX

STAINLESS STEEL THREAD REPAIR INSERT UNC H=1.5XD

Rhomboid section, with spring shape, which creates two perfectly concentric threads; an external one that is coupled with the previously threaded hole with the appropriate male and an internal one where the fixing screw will be screwed.



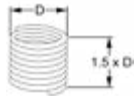
| Art. | D | Pack |
|-----------------|------------|------|
| E010/UNC1/4E15 | 1/4" x 20 | 10 |
| E010/UNC5/16E15 | 5/16" x 18 | 10 |
| E010/UNC3/8E15 | 3/8" x 16 | 10 |
| E010/UNC7/16E15 | 7/16" x 14 | 10 |
| E010/UNC1/2E15 | 1/2" x 13 | 10 |
| E010/UNC9/16E15 | 9/16" x 12 | 5 |
| E010/UNC5/8E15 | 5/8" x 11 | 5 |
| E010/UNC3/4E15 | 3/4" x 10 | 5 |
| E010/UNC7/8E15 | 7/8" x 9 | 5 |

E010-UNFXEX
STAINLESS STEEL THREAD REPAIR INSERT UNF H=1.5XD

Rhomboid section, with spring shape, which creates two perfectly concentric threads; an external one that is coupled with the previously threaded hole with the appropriate male and an internal one where the fixing screw will be screwed.



Hangable

INOX


| Art. | D | Pack |
|-----------------|-------------|------|
| E010/UNFN04E15 | No. 4 x 48 | 10 |
| E010/UNFN10E15 | No. 10 x 32 | 10 |
| E010/UNF1/4E15 | 1/4" x 28 | 10 |
| E010/UNF5/16E15 | 5/16" x 24 | 10 |
| E010/UNF3/8E15 | 3/8" x 24 | 10 |
| E010/UNF7/16E15 | 7/16" x 20 | 10 |
| E010/UNF1/2E15 | 1/2" x 20 | 10 |
| E010/UNF9/16E15 | 9/16" x 18 | 5 |
| E010/UNF5/8E15 | 5/8" x 18 | 5 |
| E010/UNF3/4E15 | 3/4" x 16 | 5 |
| E010/UNF7/8E15 | 7/8" x 14 | 5 |
| E010/UNF1E15 | 1" x 12 | 5 |

E011-MXM
METRIC F-COIL STI TAP

Special type for creating the threaded insert housing seat



Box

HSS-G


Steel



Aluminum



Non-ferr. alloys



Cast Iron



Oil



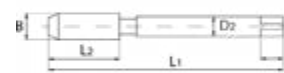
Lathe



Mill



Manual use



| Art. | Size | B | L1 | L2 | D2 | C |
|----------------|--------------|---------|---------|---------|---------|---------|
| E011/M020X040M | M 2 x 0.40 | 2.5 mm | 44.5 mm | 9.5 mm | 2.8 mm | 2.24 mm |
| E011/M025X045M | M 2.5 x 0.45 | 3.1 mm | 48.0 mm | 11.0 mm | 3.15 mm | 2.5 mm |
| E011/M030X050M | M 3 x 0.5 | 3.6 mm | 53.0 mm | 13.0 mm | 4.0 mm | 3.15 mm |
| E011/M035X060M | M 3.5 x 0.6 | 4.3 mm | 53.0 mm | 13.0 mm | 4.5 mm | 3.55 mm |
| E011/M040X070M | M 4 x 0.7 | 4.9 mm | 58 mm | 16.0 mm | 5.0 mm | 4.00 mm |
| E011/M050X080M | M 5 x 0.8 | 6.0 mm | 66.0 mm | 19.0 mm | 6.3 mm | 5.00 mm |
| E011/M060X100M | M 6 x 1.0 | 7.3 mm | 72.0 mm | 22.0 mm | 8.0 mm | 6.30 mm |
| E011/M070X100M | M 7 x 1.0 | 8.3 mm | 72.0 mm | 22.0 mm | 9.0 mm | 7.10 mm |
| E011/M080X100M | M 8 x 1.0 | 9.3 mm | 80.0 mm | 24.0 mm | 10.0 mm | 8.00 mm |
| E011/M080X125M | M 8 x 1.25 | 9.6 mm | 80.0 mm | 24.0 mm | 8.0 mm | 8.00 mm |
| E011/M090X100M | M 9 x 1.0 | 10.6 mm | 85.0 mm | 25.0 mm | 8.0 mm | 6.30 mm |
| E011/M090X125M | M 9 x 1.25 | 10.6 mm | 85.0 mm | 25.0 mm | 8.0 mm | 6.30 mm |
| E011/M100X100M | M 10 x 1.0 | 11.3 mm | 85.0 mm | 25.0 mm | 8.0 mm | 6.30 mm |
| E011/M100X125M | M 10 x 1.25 | 11.6 mm | 85.0 mm | 25.0 mm | 8.0 mm | 6.30 mm |
| E011/M100X150M | M 10 x 1.5 | 11.9 mm | 89.0 mm | 29.0 mm | 9.0 mm | 7.10 mm |
| E011/M110X150M | M 11 x 1.5 | 12.9 mm | 89.0 mm | 29.0 mm | 9.0 mm | 7.10 mm |
| E011/M120X100M | M 12 x 1.0 | 13.3 mm | 95.0 mm | 30.0 mm | 11.2 mm | 9.00 mm |
| E011/M120X125M | M 12 x 1.25 | 13.6 mm | 95.0 mm | 30.0 mm | 11.2 mm | 9.00 mm |
| E011/M120X150M | M 12 x 1.5 | 14.0 mm | 95.0 mm | 30.0 mm | 11.2 mm | 9.00 mm |

| Art. | Size | B | L1 | L2 | D2 | C |
|----------------|-------------|---------|----------|---------|---------|----------|
| E011/M120X175M | M 12 x 1.75 | 14.3 mm | 95.0 mm | 30.0 mm | 11.2 mm | 9.00 mm |
| E011/M140X100M | M 14 x 1.0 | 15.3 mm | 102.0 mm | 32.0 mm | 12.5 mm | 10.00 mm |
| E011/M140X125M | M 14 x 1.25 | 15.6 mm | 102.0 mm | 32.0 mm | 12.5 mm | 10.00 mm |
| E011/M140X150M | M 14 x 1.5 | 16.0 mm | 102.0 mm | 32.0 mm | 12.5 mm | 10.00 mm |
| E011/M140X200M | M 14 x 2.0 | 16.6 mm | 102.0 mm | 32.0 mm | 12.5 mm | 10.00 mm |
| E011/M160X150M | M 16 x 1.5 | 18.0 mm | 104.0 mm | 29.0 mm | 14.0 mm | 11.20 mm |
| E011/M160X200M | M 16 x 2.0 | 18.6 mm | 112.0 mm | 37.0 mm | 14.0 mm | 11.20 mm |
| E011/M180X150M | M 18 x 1.5 | 20.0 mm | 104.0 mm | 29.0 mm | 14.0 mm | 11.20 mm |
| E011/M180X200M | M 18 x 2.0 | 20.6 mm | 104.0 mm | 29.0 mm | 14.0 mm | 11.20 mm |
| E011/M180X250M | M 18 x 2.5 | 21.3 mm | 118.0 mm | 38.0 mm | 16.0 mm | 12.50 mm |
| E011/M200X150M | M 20 x 1.5 | 22.0 mm | 113.0 mm | 33.0 mm | 16.0 mm | 12.50 mm |
| E011/M200X200M | M 20 x 2.0 | 22.6 mm | 113.0 mm | 33.0 mm | 16.0 mm | 12.50 mm |
| E011/M200X250M | M 20 x 2.5 | 23.3 mm | 118.0 mm | 38.0 mm | 16.0 mm | 12.50 mm |
| E011/M220X150M | M 22 x 1.5 | 24.0 mm | 120.0 mm | 35.0 mm | 18.0 mm | 14.00 mm |
| E011/M220X200M | M 22 x 2.0 | 24.6 mm | 120.0 mm | 35.0 mm | 18.0 mm | 14.00 mm |
| E011/M220X250M | M 22 x 2.5 | 25.3 mm | 130.0 mm | 45.0 mm | 18.0 mm | 14.00 mm |
| E011/M240X150M | M 24 x 1.5 | 26.0 mm | 120.0 mm | 35.0 mm | 18.0 mm | 14.00 mm |
| E011/M240X200M | M 24 x 2.0 | 26.6 mm | 127.0 mm | 37.0 mm | 20.0 mm | 16.00 mm |
| E011/M240X300M | M 24 x 3.0 | 27.9 mm | 138.0 mm | 48.0 mm | 20.0 mm | 16.00 mm |

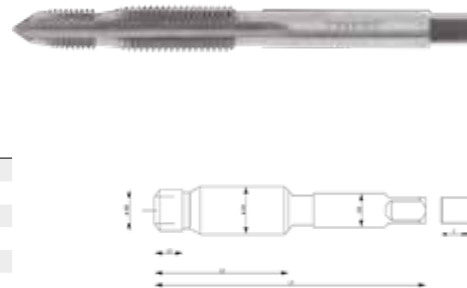
E011-MXMC

METRIC F-COIL STI COMBINED TAP

Special type for creating the threaded insert housing seat



| Art. | Size | B1 | B2 | L3 | L2 | L1 | D2 | C |
|-----------------|-------------|---------|-------|-------|-------|--------|-------|---------|
| E011/M060X100MC | M 6 x 1.0 | 7.3 mm | 6 mm | 7 mm | 28 mm | 70 mm | 8 mm | 6.3 mm |
| E011/M080X125MC | M 8 x 1.25 | 9.6 mm | 8 mm | 9 mm | 32 mm | 75 mm | 8 mm | 6.3 mm |
| E011/M100X100MC | M 10 x 1.0 | 11.3 mm | 10 mm | 8 mm | 30 mm | 74 mm | 8 mm | 6.3 mm |
| E011/M100X125MC | M 10 x 1.25 | 11.6 mm | 10 mm | 8 mm | 30 mm | 74 mm | 8 mm | 6.3 mm |
| E011/M100X150MC | M 10 x 1.5 | 11.9 mm | 10 mm | 9 mm | 37 mm | 80 mm | 9 mm | 7.1 mm |
| E011/M120X125MC | M 12 x 1.25 | 13.6 mm | 12 mm | 9 mm | 32 mm | 75 mm | 9 mm | 7.1 mm |
| E011/M140X125MC | M 14 x 1.25 | 15.6 mm | 14 mm | 10 mm | 45 mm | 90 mm | 12 mm | 9.2 mm |
| E011/M180X150MC | M 18 x 1.25 | 20.0 mm | 18 mm | 10 mm | 47 mm | 116 mm | 16 mm | 12.5 mm |



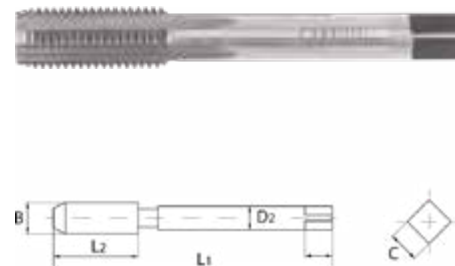
E011-BSWXM

BSW F-COIL STI TAP

Special type for creating the threaded insert housing seat



| Art. | Size | B | L1 | L2 | D2 | C |
|---------------|------------|---------|----------|---------|---------|----------|
| E011/BSW1/8M | 1/8" x 40 | 3.9 mm | 53.0 mm | 13.0 mm | 4.0 mm | 3.15 mm |
| E011/BSW3/16M | 3/16" x 24 | 6.0 mm | 56.0 mm | 19.0 mm | 6.3 mm | 5.00 mm |
| E011/BSW1/4M | 1/4" x 20 | 7.8 mm | 72.0 mm | 22.0 mm | 8.0 mm | 6.30 mm |
| E011/BSW5/16M | 5/16" x 18 | 9.6 mm | 80.0 mm | 24.0 mm | 10.0 mm | 8.00 mm |
| E011/BSW3/8M | 3/8" x 16 | 11.4 mm | 85.0 mm | 25.0 mm | 8.0 mm | 6.30 mm |
| E011/BSW7/16M | 7/16" x 14 | 13.2 mm | 95.0 mm | 30.0 mm | 11.2 mm | 9.00 mm |
| E011/BSW1/2M | 1/2" x 12 | 15.2 mm | 102.0 mm | 32.0 mm | 12.5 mm | 10.00 mm |
| E011/BSW9/16M | 9/16" x 12 | 16.8 mm | 102.0 mm | 32.0 mm | 12.5 mm | 10.00 mm |
| E011/BSW5/8M | 5/8" x 11 | 18.6 mm | 112.0 mm | 37.0 mm | 14.0 mm | 11.20 mm |
| E011/BSW3/4M | 3/4" x 10 | 22.0 mm | 118.0 mm | 38.0 mm | 16.0 mm | 12.50 mm |
| E011/BSW7/8M | 7/8" x 9 | 25.5 mm | 130.0 mm | 45.0 mm | 18.0 mm | 14.00 mm |
| E011/BSW1M | 1" x 8 | 29.1 mm | 138.0 mm | 48.0 mm | 20.0 mm | 16.0 mm |



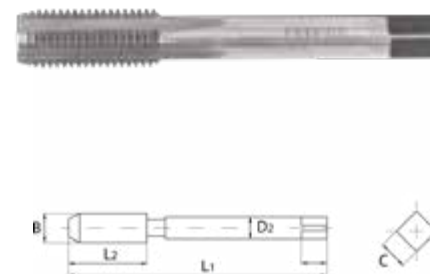
E011-BSFXM

BSF F-COIL STI TAP

Special type for creating the threaded insert housing seat



| Art. | Size | B | L1 | L2 | D2 | C |
|---------------|------------|---------|----------|---------|---------|----------|
| E011/BSF3/16M | 3/16" x 32 | 5.7 mm | 66.0 mm | 19.0 mm | 6.3 mm | 5.00 mm |
| E011/BSF1/4M | 1/4" x 26 | 7.5 mm | 72.0 mm | 22.0 mm | 8.0 mm | 6.30 mm |
| E011/BSF5/16M | 5/16" x 22 | 9.3 mm | 80.0 mm | 24.0 mm | 10.0 mm | 8.00 mm |
| E011/BSF3/8M | 3/8" x 20 | 11.0 mm | 85.0 mm | 25.0 mm | 8.0 mm | 6.30 mm |
| E011/BSF7/16M | 7/16" x 18 | 12.8 mm | 89.0 mm | 29.0 mm | 9.0 mm | 7.10 mm |
| E011/BSF1/2M | 1/2" x 16 | 14.6 mm | 95.0 mm | 30.0 mm | 11.2 mm | 9.00 mm |
| E011/BSF9/16M | 9/16" x 16 | 16.2 mm | 102.0 mm | 32.0 mm | 12.5 mm | 10.00 mm |
| E011/BSF5/8M | 5/8" x 14 | 18.0 mm | 112.0 mm | 37.0 mm | 14.0 mm | 11.20 mm |
| E011/BSF3/4M | 3/4" x 12 | 21.5 mm | 118.0 mm | 38.0 mm | 16.0 mm | 12.5 mm |
| E011/BSF7/8M | 7/8" x 11 | 24.9 mm | 130.0 mm | 45.0 mm | 18.0 mm | 14.00 mm |
| E011/BSF1M | 1" x 10 | 28.4 mm | 138.0 mm | 48.0 mm | 20.0 mm | 16.00 mm |



E011-UNCXM

UNC F-COIL STI TAP

Special type for creating the threaded insert housing seat.



| Art. | Size | B | L1 | L2 | D2 | C |
|---------------|------------|---------|----------|---------|---------|----------|
| E011/UNC1/4M | 1/4" x 20 | 8.0 mm | 72.0 mm | 22.0 mm | 8.0 mm | 6.30 mm |
| E011/UNC5/16M | 5/16" x 18 | 9.8 mm | 80.0 mm | 24.0 mm | 10.0 mm | 8.00 mm |
| E011/UNC3/8M | 3/8" x 16 | 11.6 mm | 85.0 mm | 25.0 mm | 8.0 mm | 6.30 mm |
| E011/UNC7/16M | 7/16" x 14 | 13.5 mm | 95.0 mm | 30.0 mm | 11.2 mm | 10.00 mm |
| E011/UNC1/2M | 1/2" x 13 | 15.2 mm | 102.0 mm | 32.0 mm | 12.5 mm | 10.00 mm |
| E011/UNC9/16M | 9/16" x 12 | 17.0 mm | 112.0 mm | 37.0 mm | 14.0 mm | 11.20 mm |
| E011/UNC5/8M | 5/8" x 11 | 18.9 mm | 112.0 mm | 37.0 mm | 14.0 mm | 11.20 mm |
| E011/UNC3/4M | 3/4" x 10 | 22.4 mm | 118.0 mm | 38.0 mm | 16.0 mm | 12.50 mm |
| E011/UNC7/8M | 7/8" x 9 | 25.9 mm | 130.0 mm | 45.0 mm | 18.0 mm | 14.00 mm |



E011-UNFXM

UNF F-COIL STI TAP

Special type for creating the threaded insert housing seat.



| Art. | Size | B | L1 | L2 | D2 | C |
|---------------|-------------|---------|----------|---------|---------|----------|
| E011/UNFN04M | No. 4 x 48 | 3.5 mm | 53.0 mm | 13.0 mm | 4.0 mm | 3.15 mm |
| E011/UNFN10M | No. 10 x 32 | 5.9 mm | 66.0 mm | 19.0 mm | 6.3 mm | 5.00 mm |
| E011/UNF1/4M | 1/4" x 28 | 7.5 mm | 69.0 mm | 19.0 mm | 8.0 mm | 6.30 mm |
| E011/UNF5/16M | 5/16" x 24 | 9.3 mm | 76.0 mm | 20.0 mm | 10.0 mm | 8.00 mm |
| E011/UNF3/8M | 3/8" x 24 | 10.9 mm | 82.0 mm | 22.0 mm | 8.0 mm | 6.3 mm |
| E011/UNF7/16M | 7/16" x 20 | 12.8 mm | 84.0 mm | 24.0 mm | 9.0 mm | 7.10 mm |
| E011/UNF1/2M | 1/2" x 20 | 14.4 mm | 90.0 mm | 25.0 mm | 11.2 mm | 9.00 mm |
| E011/UNF9/16M | 9/16" x 18 | 16.1 mm | 104.0 mm | 29.0 mm | 12.5 mm | 10.00 mm |
| E011/UNF5/8M | 5/8" x 18 | 17.7 mm | 104.0 mm | 29.0 mm | 14.0 mm | 11.20 mm |
| E011/UNF3/4M | 3/4" x 16 | 21.1 mm | 104.0 mm | 29.0 mm | 14.0 mm | 11.20 mm |
| E011/UNF7/8M | 7/8" x 14 | 24.6 mm | 120.0 mm | 35.0 mm | 18.0 mm | 14.00 mm |
| E011/UNF112M | 1" x 12 | 28.2 mm | 127.0 mm | 37.0 mm | 20.0 mm | 16.00 mm |



E011-UMX

F-COIL MOUNTING TOOL HEXAGONAL DRIVE

| Art. | Diameter | Hex drive |
|----------------|------------|-----------|
| E011/UM260X150 | M 26 x 1.5 | 1/2" |
| E011/UM270X150 | M 27 x 1.5 | 1/2" |
| E011/UM270X200 | M 27 x 2.0 | 1/2" |
| E011/UM270X300 | M 27 x 3.0 | 1/2" |
| E011/UM280X150 | M 28 x 1.5 | 1/2" |
| E011/UM300X150 | M 30 x 1.5 | 1/2" |
| E011/UM300X200 | M 30 x 2.0 | 1/2" |
| E011/UM300X350 | M 30 x 3.5 | 1/2" |
| E011/UM330X200 | M 33 x 2.0 | 1/2" |
| E011/UM330X350 | M 33 x 3.5 | 1/2" |
| E011/UM360X150 | M 36 x 1.5 | 1/2" |
| E011/UM360X200 | M 36 x 2.0 | 1/2" |
| E011/UM360X300 | M 36 x 3.0 | 1/2" |
| E011/UM360X400 | M 36 x 4.0 | 1/2" |





E011-UX

F-COIL MOUNTING TOOL

| Art. | Metric | Inch |
|----------|---|----------------------------------|
| E011/U02 | M 2 x 0.4 - M 2.2 x 0.45 | UNC N02 |
| E011/U03 | M 2.5 x 0.45 | - |
| E011/U04 | M 3 x 0.5 | UNC N05 - UNC/UNF N04 - BSW 1/8" |
| E011/U05 | M 3.5 x 0.6 | UNC/UNF N06 |
| E011/U06 | M 4 x 0.7 | UNC/UNF N08 |
| E011/U08 | M 5 x 0.8 | UNF N10 - UNC N12 - BSF 3/16" |
| E011/U09 | M 6 x 1.0 | UNC/UNF 1/4" - BSW/BSF 1/4" |
| E011/U10 | M 7 x 1.0 | UNC/BSW 5/16" |
| E011/U11 | M 8 x 1.25 - M 8 x 1.0 | UNF/BSF 5/16" |
| E011/U12 | M 9 x 1.25 - M 9 x 1.0 | UNC/BSW 3/8" |
| E011/U13 | M 10 x 1.5 - M 10 x 1.0 - M 10 x 1.25 | UNF/BSF 3/8" |
| E011/U14 | M 11 x 1.5 | UNC/UNF 7/16" - BSW-BSF 7/16" |
| E011/U15 | M 12 x 1.75 - M 12 x 1.5 - M 12 x 1.25 - M 12 x 1.0 | UNC/UNF 1/2" - BSW-BSF 1/2" |
| E011/U16 | M 14 x 2.0 - M 14 x 1.5 | UNC/UNF 9/16" - BSW-BSF 9/16" |
| E011/U17 | M 14 x 1.25 - M 14 x 1.0 | - |
| E011/U18 | M 16 x 2.0 - M 16 x 1.5 | UNC/UNF 5/8" - BSW-BSF 5/8" |
| E011/U20 | M 18 x 2.5 - M 18 x 2.0 - M 18 x 1.5 | UNC 3/4" - BSW-BSF 3/4" |
| E011/U21 | M 20 x 2.5 - M 20 x 2.0 - M 20 x 1.5 | UNF 3/4" |
| E011/U22 | M 22 x 2.5 - M 22 x 2.0 - M 22 x 1.5 | UNC/UNF 7/8" - BSW-BSF 7/8" |
| E011/U23 | M 24 x 3.0 - M 24 x 2.0 - M 24 x 1.5 | UNC/UNF 1" - BSW-BSF 1" |



E011-EX

F-COIL PULLER

| Art. | Metric | Inch |
|---------|-------------|--------------|
| E011/E2 | M 3 - M 10 | 3/16" - 3/8" |
| E011/E3 | M 11 - M 25 | 3/8" - 1" |



E011-AX

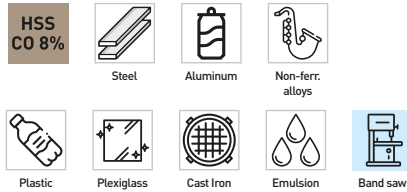
F-COIL TANG BREAKING TOOL

| Art. | Metric | Inch |
|----------|---|-----------------------------------|
| E011/A02 | M 2 x 0.4 - M 2.2 x 0.45 | UNC N02 |
| E011/A03 | M 2.5 x 0.45 | - |
| E011/A04 | M 3 x 0.5 | UNC/UNF N04 |
| E011/A05 | M 3.5 x 0.6 | UNC/UNF N06 |
| E011/A06 | M 4 x 0.7 | UNC N10 - UNC/UNF N08 - BSF 3/16" |
| E011/A08 | M 5 x 0.8 | UNF N10 - UNC N12 - BSF 3/16" |
| E011/A09 | M 6 x 1.0 | UNC/UNF 1/4" - BSW/BSF 1/4" |
| E011/A11 | M 7 x 1.0 - M 8 x 1.0 - M 8 x 1.25 | UNC/UNF 5/16" - BSW/BSF 5/16" |
| E011/A12 | M 9 x 1.0 - M 9 x 1.25 | UNC 3/8" - BSW/BSF 3/8" |
| E011/A13 | M 10 x 1.5 - M 10 x 1.0 - M 10 x 1.25 | UNF 3/8" |
| E011/A14 | M 11 x 1.5 | UNC/UNF 7/16" - BSW/BSF 7/16" |
| E011/A15 | M 12 x 1.5 - M 12 x 1.0 - M 12 x 1.25 - M 12 x 1.75 | UNC/UNF 1/2" - BSW/BSF 1/2" |



LBX
NEW
BI-METAL BANDSAW BLADE FOR METAL

Welded in standard length.

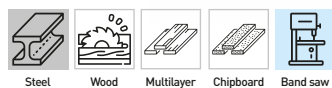


| Art. | Sizes | Specifications | Pitch |
|-----------|---------------------|-------------------|----------|
| LB01/1140 | 1140 x 13 x 0.65 mm | T 8 / 12 Bi-Metal | Variable |
| LB01/1325 | 1325 x 13 x 0.65 mm | T 8 / 12 Bi-Metal | Variable |
| LB01/1335 | 1335 x 13 x 0.65 mm | T 8 / 12 Bi-Metal | Variable |
| LB01/1435 | 1435 x 13 x 0.65 mm | T 8 / 12 Bi-Metal | Variable |
| LB01/1440 | 1440 x 13 x 0.65 mm | T 8 / 12 Bi-Metal | Variable |
| LB01/1638 | 1638 x 13 x 0.65 mm | T 8 / 12 Bi-Metal | Variable |
| LB01/1735 | 1735 x 13 x 0.65 mm | T 8 / 12 Bi-Metal | Variable |
| LB02/1140 | 1140 x 13 x 0.65 mm | T 6 Bi-Metal | Fix |
| LB02/1435 | 1435 x 13 x 0.65 mm | T 6 Bi-Metal | Fix |
| LB05/1735 | 1735 x 13 x 0.9 mm | T 8 / 12 Bi-Metal | Variable |
| LB07/2000 | 2000 x 20 x 0.9 mm | T 8 / 12 Bi-Metal | Variable |
| LB07/2080 | 2080 x 20 x 0.9 mm | T 8 / 12 Bi-Metal | Variable |
| LB07/2100 | 2100 x 20 x 0.9 mm | T 8 / 12 Bi-Metal | Variable |
| LB07/2140 | 2140 x 20 x 0.9 mm | T 8 / 12 Bi-Metal | Variable |
| LB07/2160 | 2160 x 20 x 0.9 mm | T 8 / 12 Bi-Metal | Variable |
| LB08/2000 | 2000 x 20 x 0.9 mm | T 5 / 7 Bi-Metal | Variable |
| LB08/2080 | 2080 x 20 x 0.9 mm | T 5 / 7 Bi-Metal | Variable |
| LB08/2100 | 2100 x 20 x 0.9 mm | T 5 / 7 Bi-Metal | Variable |
| LB08/2140 | 2140 x 20 x 0.9 mm | T 5 / 7 Bi-Metal | Variable |
| LB08/2160 | 2160 x 20 x 0.9 mm | T 5 / 7 Bi-Metal | Variable |
| LB09/2375 | 2375 x 27 x 0.9 mm | T 8 / 11 Bi-Metal | Variable |
| LB09/2450 | 2450 x 27 x 0.9 mm | T 8 / 11 Bi-Metal | Variable |
| LB09/2500 | 2500 x 27 x 0.9 mm | T 8 / 11 Bi-Metal | Variable |

| Art. | Sizes | Specifications | Pitch |
|------------------|--------------------|-------------------|----------|
| LB09/2720 | 2720 x 27 x 0.9 mm | T 8 / 11 Bi-Metal | Variable |
| LB09/2750 | 2750 x 27 x 0.9 mm | T 8 / 11 Bi-Metal | Variable |
| LB09/2825 | 2825 x 27 x 0.9 mm | T 8 / 11 Bi-Metal | Variable |
| LB09/2845 | 2845 x 27 x 0.9 mm | T 8 / 11 Bi-Metal | Variable |
| LB09/2945 | 2945 x 27 x 0.9 mm | T 8 / 11 Bi-Metal | Variable |
| LB09/2950 | 2950 x 27 x 0.9 mm | T 8 / 11 Bi-Metal | Variable |
| LB09/3010 | 3010 x 27 x 0.9 mm | T 8 / 11 Bi-Metal | Variable |
| LB09/3100 | 3100 x 27 x 0.9 mm | T 8 / 11 Bi-Metal | Variable |
| LB09/3120 | 3120 x 27 x 0.9 mm | T 8 / 11 Bi-Metal | Variable |
| LB09/3150 | 3150 x 27 x 0.9 mm | T 8 / 11 Bi-Metal | Variable |
| LB10/2375 | 2375 x 27 x 0.9 mm | T 5 / 7 Bi-Metal | Variable |
| LB10/2450 | 2450 x 27 x 0.9 mm | T 5 / 7 Bi-Metal | Variable |
| LB10/2500 | 2500 x 27 x 0.9 mm | T 5 / 7 Bi-Metal | Variable |
| LB11/2720 | 2720 x 27 x 0.9 mm | T 5 / 7 Bi-Metal | Variable |
| LB10/2750 | 2750 x 27 x 0.9 mm | T 5 / 7 Bi-Metal | Variable |
| LB10/2825 | 2825 x 27 x 0.9 mm | T 5 / 7 Bi-Metal | Variable |
| LB10/2845 | 2845 x 27 x 0.9 mm | T 5 / 7 Bi-Metal | Variable |
| LB10/2945 | 2945 x 27 x 0.9 mm | T 5 / 7 Bi-Metal | Variable |
| LB10/2950 | 2950 x 27 x 0.9 mm | T 5 / 7 Bi-Metal | Variable |
| LB10/3010 | 3010 x 27 x 0.9 mm | T 5 / 7 Bi-Metal | Variable |
| LB10/3100 | 3100 x 27 x 0.9 mm | T 5 / 7 Bi-Metal | Variable |
| LB10/3120 | 3120 x 27 x 0.9 mm | T 5 / 7 Bi-Metal | Variable |
| LB10/3150 | 3150 x 27 x 0.9 mm | T 5 / 7 Bi-Metal | Variable |

N7X
BLADE FOR WOOD

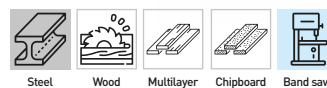
Blade for shaped cutting of thin wood.



| Art. | Sizes | Specifications |
|-------------|---------------------|----------------|
| N194 | 1400 x 6 x 0.36 mm | T6 |
| N717/N | 1430 x 6 x 0,36 mm | T6 |
| N188 | 1790 x 6 x 0.36 mm | T10 |
| N190 | 1826 x 6 x 0.36 mm | T10 |
| N855/N2 | 2240 x 13 x 0,65 mm | T8 |
| N186 | 2400 x 13 x 0.65 mm | T8 |
| N192 | 2560 x 13 x 0.65 mm | T8 |
| N764/N2 | 2950 x 13 x 0,65 mm | T6 |
| N764/455/N2 | 3430 x 16 x 0,65 mm | T6 |

N7X1
BLADES FOR WOOD

Blade for straight cut of thick wood.



| Art. | Sizes | Specifications |
|------------|---------------------|----------------|
| N195 | 1400 x 10 x 0,36 mm | T6 |
| N717/N1 | 1430 x 10 x 0,36 mm | T6 |
| N189 | 1790 x 10 x 0.36 mm | T6 |
| N191 | 1826 x 10 x 0.36 mm | T6 |
| N855/N | 2240 x 16 x 0,65 mm | T4 |
| N187 | 2400 x 16 x 0.65 mm | T4 |
| N193 | 2560 x 16 x 0.65 mm | T4 |
| N764/N | 2950 x 16 x 0,65 mm | T4 |
| N764/455/N | 3430 x 20 x 0,65 mm | T4 |



LSL76-20

NEW

JIGSAW BLADE SET



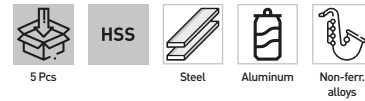
| | |
|---------------|-------|
| Length | 76 mm |
| Cutting Depth | 51 mm |
| Thickness | 2 mm |



LSM76-12

NEW

JIGSAW BLADE SET



| | |
|---------------|--------|
| Length | 76 mm |
| Cutting Depth | 51 mm |
| Thickness | 1,2 mm |

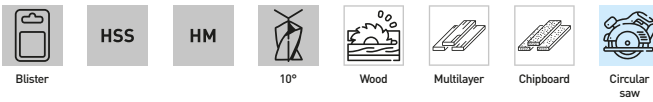


07X

NEW

WOOD CARBIDE TIPPED SAW BLADES

With alternate universal teeth.



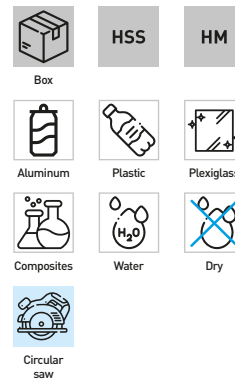
| Art. | ø | Teeth Z | Hole | Cut thickness | Blade thickness | rpm max |
|------|--------|---------|---------|---------------|-----------------|---------|
| 0735 | 190 mm | 24 | ø 20 mm | 2,2 mm | 1,5 mm | 8000 |
| 0736 | 190 mm | 48 | ø 20 mm | 2,2 mm | 1,5 mm | 8000 |
| 0685 | 254 mm | 24 | ø 30 mm | 3,2 mm | 2,2 mm | 6300 |
| 0702 | 250 mm | 60 | ø 30 mm | 3,2 mm | 2,2 mm | 7000 |
| 0703 | 250 mm | 80 | ø 30 mm | 3,2 mm | 2,2 mm | 7000 |
| 0704 | 300 mm | 72 | ø 30 mm | 3,2 mm | 2,2 mm | 6000 |
| 0705 | 300 mm | 96 | ø 30 mm | 3,2 mm | 2,2 mm | 6000 |
| 0899 | 315 mm | 25 | ø 30 mm | 2,8 mm | 1,8 mm | 6000 |
| 0745 | 350 mm | 54 | ø 30 mm | 3,5 mm | 2,5 mm | 5000 |
| 0707 | 400 mm | 48 | ø 30 mm | 3,5 mm | 2,5 mm | 4500 |
| 0746 | 450 mm | 60 | ø 30 mm | 4 mm | 3,0 mm | 4000 |

0762-

NEW

ALUMINIUM AND PLASTIC CARBIDE TIPPED SAW BLADE

Trapezoidal flat toothing with alternating sharpening.



| Art. | ø | Teeth Z | Hole | Cut thickness | Blade thickness | rpm max |
|----------|--------|---------|---------|---------------|-----------------|---------|
| 0762/190 | 190 mm | 48 | ø 20 mm | 2,2 mm | 1,5 mm | 8000 |
| 0762/250 | 250 mm | 60 | ø 32 mm | 3,2 mm | 2,8 mm | 7000 |
| 0762/300 | 300 mm | 72 | ø 32 mm | 3,2 mm | 2,8 mm | 6000 |







FLAP DISCS

- p. 256  Professional
- p. 260  Performance
- p. 264  Grindflex
- p. 268  Smartflex
- p. 271  Specialty
- p. 275  Fast Lock



CLEANING

- p. 291  Surface Conditioning
- p. 293  Abrasive Nylon
- p. 294  Non woven



FINISHING AND POLISHING

- p. 295  Felt and abrasive pastes
- p. 297  Sisal, cotton and wool
- p. 300  Sponges and abrasive rubbers



CUTTING WHEELS

- p. 307  Cutting discs
- p. 310  Grinding discs
- p. 311  Grinding wheels with hole
- p. 312  Mounted grinding wheels
- p. 313  Diamond blades




ABRASIVE WHEELS

- p. 276  Wheels with shaft
- p. 277  Wheels with hole
- p. 278  Wheels for satin finishers







WIRE BRUSHES

- p. 301  Brushes with bore
- p. 303  Brushes with shaft



ABRASIVE DISCS AND BELTS

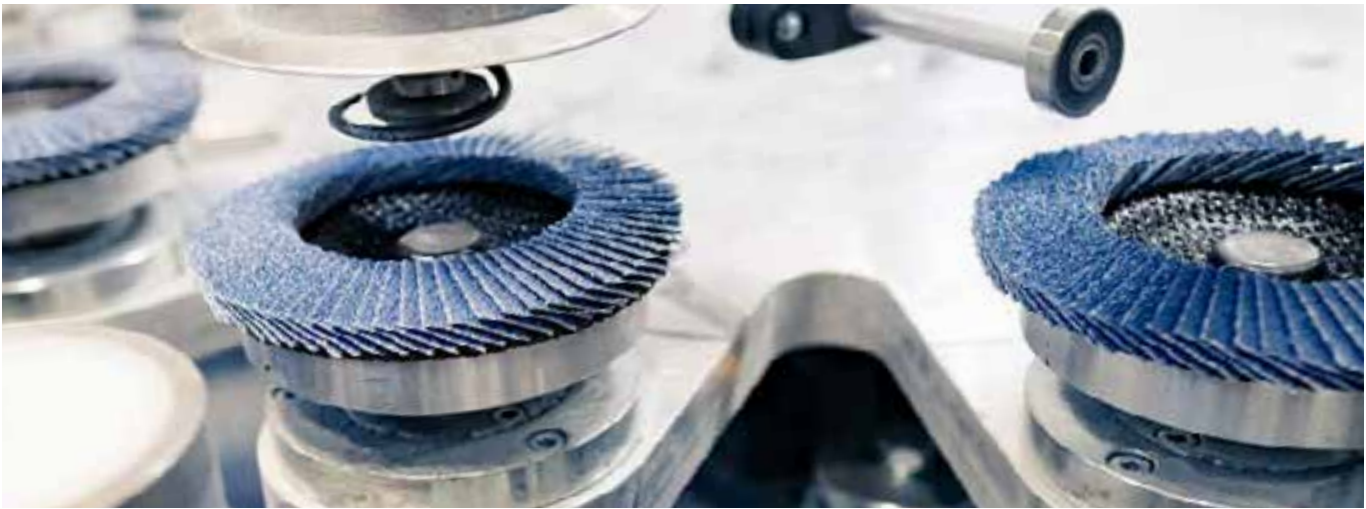
- p. 281  Fiber discs
- p. 282  Adhesive and velcro discs
- p. 286  Rolls and sheets
- p. 290  Belts

RIFLEX, SPECIFIC EXPERIENCE

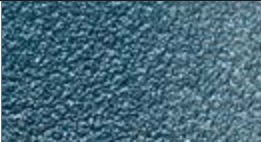




MADE IN ITALY

Since 1982, Riflex has stood out on the international stage thanks to its specific MADE IN ITALY experience in the production of flap discs made of corundum, zirconium and ceramic zirconium with supports made from both nylon and fibreglass, and in the manufacture of automatic systems for their production, testing and packaging.

Riflex oversees the entire production chain thanks to relationships spanning decades with key suppliers of raw materials (abrasive backing plates, supports and glue). More than thirty years of experience has allowed the company to develop its own recipes and quality protocols which are among the highest levels worldwide.



ABRASIVE CLOTH

| | | | |
|------------|---|-------------------------|---|
| |  | Zirconium Cotton | For common, alloyed and stainless steels. Cotton backing, excellent performance and durability. This cloth is declined in various performance steps based on the product families. |
| |  | Corundum Cotton | For metals and wood, for standard processing. Cotton support. This cloth is declined in various performance steps based on the product families. |
| SPECIALITY |  | Zircoceramic Polycotton | Specially designed for processing stainless steel. Third cooling layer, polycotton backing, high cutting speed. |
| SPECIALITY |  | Ceramic Polycotton | Specially designed for processing stainless steel, for heavy stock removal. Third cooling layer, extremely resistant polycotton backing, maximum cutting speed. |
| SPECIALITY |  | Abranet® Polyamide Mesh | Specially designed for clogging materials such as non-ferrous metals (aluminum, copper, brass, zinc, magnesium), wood and composite materials. The particular polyamide mesh structure prevents the formation of accumulations and clogging, ensuring great advantages: impeccable finishes and constant effectiveness, maximizing performance and reducing processing costs. |



FLAP DISCS

FERVI BY RIFLEX



PROFESSIONAL

PROFESSIONAL TOP LINE

Professional long-life discs with high removal speeds for the most demanding users, powered by Norton™ abrasive cloth.

PERFORMANCE

HIGH PERFORMANCE

Wide range of professional flap discs based on aluminum oxide or zirconium.



GRINDFLEX

MULTI PURPOSE

The "best seller", suitable for massive removals and finishing on most types of ferrous and non-ferrous metal surfaces.

SMARTFLEX

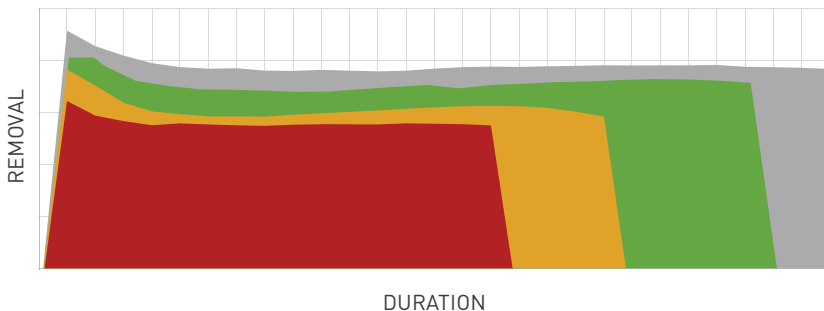
VALUE FOR MONEY

The best price with professional performances. For removal and finishing operations.

SPECIALTY

FOR SPECIAL WORKING

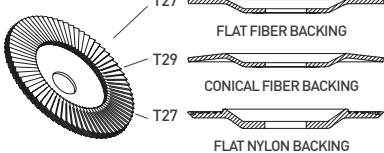
Range of discs for professional working on stainless steel, non-ferrous metals (aluminum, copper, etc.).



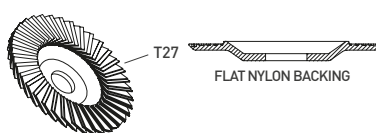
Our tests are carried out with Riflex machines using a 1200W electric tool with a constant pressure of 4 kg on a S235JR (Fe360) steel test specimen with 2.5 min steps.

DISC TYPE

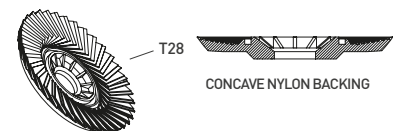
CLASSIC



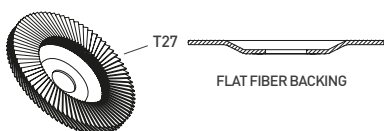
DUAL FLAP



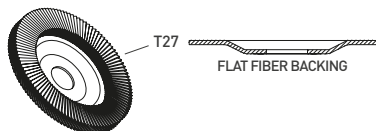
REAL FLAT



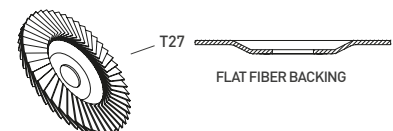
BIGGER



TIGER



RAPTOR





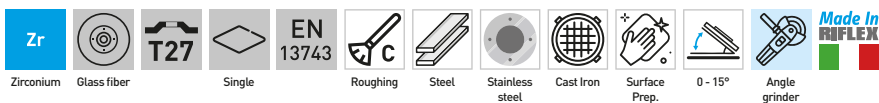
PROFESSIONAL TOP LINE

Professional long-life discs with high removal speeds for the most demanding users, powered by Norton™ abrasive cloth.

For heavy removal, major deburring - Designed for professional users and medium and large companies. Ideal for machining large metal sheets, removing large weld seams and requiring long disk life.

DF8100-Z

PROFESSIONAL FLAP DISC CLASSIC

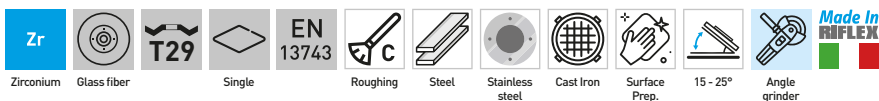


| Art. | Dimensions | Grit | rpm max | Pack |
|------------|-------------|------|---------|------|
| DF8100.111 | 115 x 22 mm | 36 | 13300 | 10 |
| DF8100.112 | 115 x 22 mm | 40 | 13300 | 10 |
| DF8100.114 | 115 x 22 mm | 60 | 13300 | 10 |
| DF8100.115 | 115 x 22 mm | 80 | 13300 | 10 |
| DF8100.117 | 115 x 22 mm | 120 | 13300 | 10 |
| DF8100.121 | 125 x 22 mm | 36 | 12250 | 10 |
| DF8100.122 | 125 x 22 mm | 40 | 12250 | 10 |
| DF8100.124 | 125 x 22 mm | 60 | 12250 | 10 |
| DF8100.125 | 125 x 22 mm | 80 | 12250 | 10 |
| DF8100.181 | 180 x 22 mm | 36 | 8500 | 10 |
| DF8100.182 | 180 x 22 mm | 40 | 8500 | 10 |
| DF8100.184 | 180 x 22 mm | 60 | 8500 | 10 |
| DF8100.185 | 180 x 22 mm | 80 | 8500 | 10 |



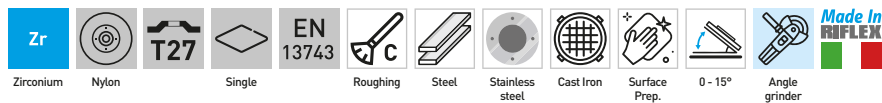
DF8150-Z

PROFESSIONAL FLAP DISC CLASSIC

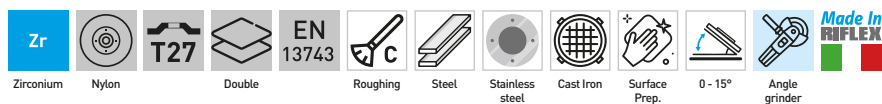


| Art. | Dimensions | Grit | rpm max | Pack |
|------------|-------------|------|---------|------|
| DF8150.111 | 115 x 22 mm | 36 | 13300 | 10 |
| DF8150.112 | 115 x 22 mm | 40 | 13300 | 10 |
| DF8150.114 | 115 x 22 mm | 60 | 13300 | 10 |
| DF8150.115 | 115 x 22 mm | 80 | 13300 | 10 |
| DF8150.117 | 115 x 22 mm | 120 | 13300 | 10 |
| DF8150.121 | 125 x 22 mm | 36 | 12250 | 10 |
| DF8150.122 | 125 x 22 mm | 40 | 12250 | 10 |
| DF8150.124 | 125 x 22 mm | 60 | 12250 | 10 |
| DF8150.125 | 125 x 22 mm | 80 | 12250 | 10 |
| DF8150.181 | 180 x 22 mm | 36 | 8500 | 10 |
| DF8150.182 | 180 x 22 mm | 40 | 8500 | 10 |
| DF8150.184 | 180 x 22 mm | 60 | 8500 | 10 |
| DF8150.185 | 180 x 22 mm | 80 | 8500 | 10 |



**DN8100-Z****PROFESSIONAL FLAP DISC CLASSIC**

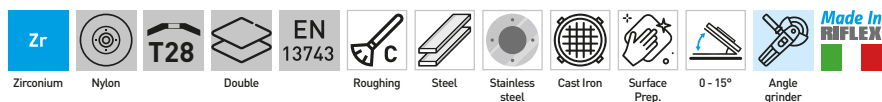
| Art. | Dimensions | Grit | rpm max | Pack |
|------------|-------------|------|---------|------|
| DN8100.111 | 115 x 22 mm | 36 | 13300 | 10 |
| DN8100.112 | 115 x 22 mm | 40 | 13300 | 10 |
| DN8100.114 | 115 x 22 mm | 60 | 13300 | 10 |
| DN8100.115 | 115 x 22 mm | 80 | 13300 | 10 |
| DN8100.117 | 115 x 22 mm | 120 | 13300 | 10 |
| DN8100.122 | 125 x 22 mm | 40 | 12250 | 10 |
| DN8100.124 | 125 x 22 mm | 60 | 12250 | 10 |
| DN8100.125 | 125 x 22 mm | 80 | 12250 | 10 |
| DN8100.182 | 180 x 22 mm | 40 | 8500 | 10 |
| DN8100.184 | 180 x 22 mm | 60 | 8500 | 10 |
| DN8100.185 | 180 x 22 mm | 80 | 8500 | 10 |

**DN8300-Z****PROFESSIONAL FLAP DISC DUAL FLAP**

| Art. | Dimensions | Grit | rpm max | Pack |
|------------|-------------|------|---------|------|
| DN8300.111 | 115 x 22 mm | 36 | 13300 | 10 |
| DN8300.112 | 115 x 22 mm | 40 | 13300 | 10 |
| DN8300.114 | 115 x 22 mm | 60 | 13300 | 10 |
| DN8300.115 | 115 x 22 mm | 80 | 13300 | 10 |
| DN8300.117 | 115 x 22 mm | 120 | 13300 | 10 |
| DN8300.122 | 125 x 22 mm | 40 | 12250 | 10 |
| DN8300.124 | 125 x 22 mm | 60 | 12250 | 10 |
| DN8300.125 | 125 x 22 mm | 80 | 12250 | 10 |
| DN8300.182 | 180 x 22 mm | 40 | 8500 | 10 |
| DN8300.184 | 180 x 22 mm | 60 | 8500 | 10 |
| DN8300.185 | 180 x 22 mm | 80 | 8500 | 10 |

**DN8550-Z****PROFESSIONAL FLAP DISC REAL FLAT**

Thanks to a special convex shape backing, this flap discs type are perfectly flat discs with large flaps and constant density and hardness both at the centre and on the peripheral diameter of the disc.

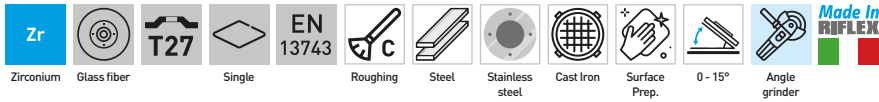


| Art. | Dimensions | Grit | rpm max | Pack |
|------------|-------------|------|---------|------|
| DN8550.112 | 115 x 22 mm | 40 | 13300 | 10 |
| DN8550.114 | 115 x 22 mm | 60 | 13300 | 10 |
| DN8550.115 | 115 x 22 mm | 80 | 13300 | 10 |
| DN8550.117 | 115 x 22 mm | 120 | 13300 | 10 |



DF8600-Z
PROFESSIONAL FLAP DISC BIGGER

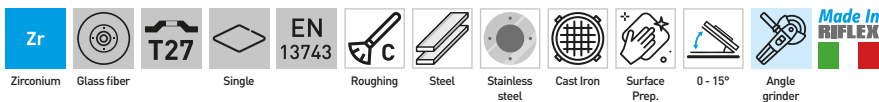
Grind even longer, even faster, and even better finishing with bigger disc. the new structure provides better benefits compared to conventional flap or grinding discs: 50% more abrasion capacity, saving a great deal of working time, 2x longer service life, excellent value for money, cooler grinding, costs and working time reduction



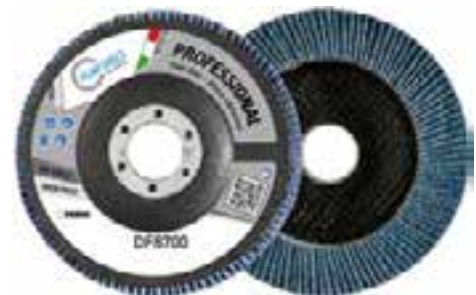
| Art. | Dimensions | Grit | rpm max | Pack |
|------------|-------------|------|---------|------|
| DF8600.112 | 115 x 22 mm | 40 | 13300 | 10 |
| DF8600.114 | 115 x 22 mm | 60 | 13300 | 10 |
| DF8600.115 | 115 x 22 mm | 80 | 13300 | 10 |
| DF8600.117 | 115 x 22 mm | 120 | 13300 | 10 |
| DF8600.122 | 125 x 22 mm | 40 | 12250 | 10 |
| DF8600.124 | 125 x 22 mm | 60 | 12250 | 10 |
| DF8600.125 | 125 x 22 mm | 80 | 12250 | 10 |
| DF8600.127 | 125 x 22 mm | 120 | 12250 | 10 |
| DF8600.182 | 180 x 22 mm | 40 | 8500 | 10 |
| DF8600.184 | 180 x 22 mm | 60 | 8500 | 10 |
| DF8600.185 | 180 x 22 mm | 80 | 8500 | 10 |
| DF8600.187 | 180 x 22 mm | 120 | 8500 | 10 |


DF8700-Z
PROFESSIONAL FLAP DISC TIGER

Tiger is a flap disc with an additional 70% abrasive cloth compared to standard professional discs. Its shape allows the full use of the abrasive as well as making it particularly compact. This feature, combined to reinforced support, allows to exert a higher specific pressure and consequently a more rapid removal.



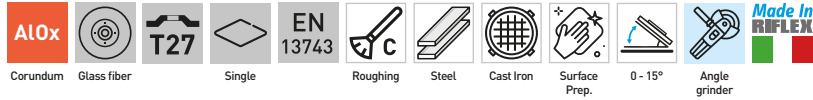
| Art. | Dimensions | Grit | rpm max | Pack |
|------------|-------------|------|---------|------|
| DF8700.112 | 115 x 22 mm | 40 | 13300 | 10 |
| DF8700.114 | 115 x 22 mm | 60 | 13300 | 10 |
| DF8700.115 | 115 x 22 mm | 80 | 13300 | 10 |
| DF8700.117 | 115 x 22 mm | 120 | 13300 | 10 |





DF8100-A

PROFESSIONAL FLAP DISC CLASSIC

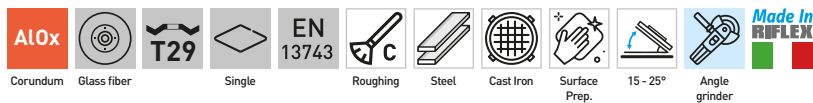


| Art. | Dimensions | Grit | rpm max | Pack |
|------------|-------------|------|---------|------|
| DF8100.212 | 115 x 22 mm | 40 | 13300 | 10 |
| DF8100.214 | 115 x 22 mm | 60 | 13300 | 10 |
| DF8100.215 | 115 x 22 mm | 80 | 13300 | 10 |



DF8150-A

PROFESSIONAL FLAP DISC CLASSIC



| Art. | Dimensions | Grit | rpm max | Pack |
|------------|-------------|------|---------|------|
| DF8150.212 | 115 x 22 mm | 40 | 13300 | 10 |
| DF8150.214 | 115 x 22 mm | 60 | 13300 | 10 |
| DF8150.215 | 115 x 22 mm | 80 | 13300 | 10 |



DN8100-A

PROFESSIONAL FLAP DISC CLASSIC

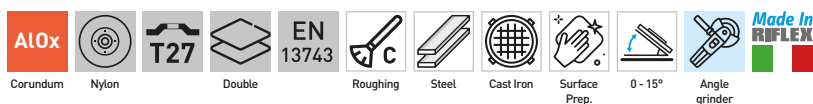


| Art. | Dimensions | Grit | rpm max | Pack |
|------------|-------------|------|---------|------|
| DN8100.212 | 115 x 22 mm | 40 | 13300 | 10 |
| DN8100.214 | 115 x 22 mm | 60 | 13300 | 10 |
| DN8100.215 | 115 x 22 mm | 80 | 13300 | 10 |



DN8300-A

PROFESSIONAL FLAP DISC DUAL FLAP



| Art. | Dimensions | Grit | rpm max | Pack |
|------------|-------------|------|---------|------|
| DN8300.212 | 115 x 22 mm | 40 | 13300 | 10 |
| DN8300.214 | 115 x 22 mm | 60 | 13300 | 10 |
| DN8300.215 | 115 x 22 mm | 80 | 13300 | 10 |



PERFORMANCE

HIGH PERFORMANCE

Wide range of professional flap discs based on aluminum oxide or Zirconium.

For mass productions and where high removal capacity is required - Designed for medium and large companies. Ideal for demanding users and heavy-duty applications where long disk life is required.

DF6100-Z

PERFORMANCE FLAP DISC CLASSIC

Zr EN 13743 Made in ITALY

| Art. | Dimensions | Grit | rpm max | Pack |
|------------|-------------|------|---------|------|
| DF6100.112 | 115 x 22 mm | 40 | 13300 | 10 |
| DF6100.114 | 115 x 22 mm | 60 | 13300 | 10 |
| DF6100.115 | 115 x 22 mm | 80 | 13300 | 10 |
| DF6100.117 | 115 x 22 mm | 120 | 13300 | 10 |
| DF6100.122 | 125 x 22 mm | 40 | 12250 | 10 |
| DF6100.124 | 125 x 22 mm | 60 | 12250 | 10 |
| DF6100.125 | 125 x 22 mm | 80 | 12250 | 10 |
| DF6100.182 | 180 x 22 mm | 40 | 8500 | 10 |
| DF6100.184 | 180 x 22 mm | 60 | 8500 | 10 |
| DF6100.185 | 180 x 22 mm | 80 | 8500 | 10 |



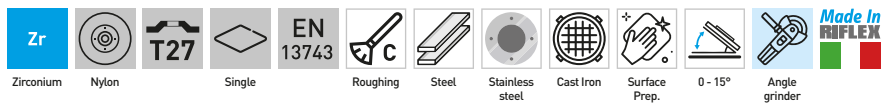
DF6150-Z

PERFORMANCE FLAP DISC CLASSIC

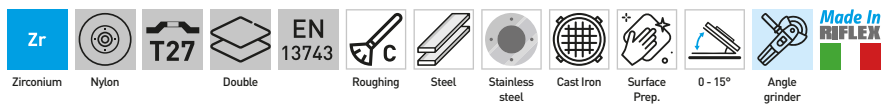
Zr EN 13743 Made in ITALY

| Art. | Dimensions | Grit | rpm max | Pack |
|------------|-------------|------|---------|------|
| DF6150.112 | 115 x 22 mm | 40 | 13300 | 10 |
| DF6150.114 | 115 x 22 mm | 60 | 13300 | 10 |
| DF6150.115 | 115 x 22 mm | 80 | 13300 | 10 |
| DF6150.117 | 115 x 22 mm | 120 | 13300 | 10 |
| DF6150.122 | 125 x 22 mm | 40 | 12250 | 10 |
| DF6150.124 | 125 x 22 mm | 60 | 12250 | 10 |
| DF6150.125 | 125 x 22 mm | 80 | 12250 | 10 |
| DF6150.182 | 180 x 22 mm | 40 | 8500 | 10 |
| DF6150.184 | 180 x 22 mm | 60 | 8500 | 10 |
| DF6150.185 | 180 x 22 mm | 80 | 8500 | 10 |



**DN6100-Z****PERFORMANCE FLAP DISC CLASSIC**

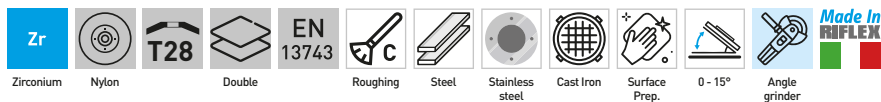
| Art. | Dimensions | Grit | rpm max | Pack |
|------------|-------------|------|---------|------|
| DN6100.112 | 115 x 22 mm | 40 | 13300 | 10 |
| DN6100.114 | 115 x 22 mm | 60 | 13300 | 10 |
| DN6100.115 | 115 x 22 mm | 80 | 13300 | 10 |
| DN6100.117 | 115 x 22 mm | 120 | 13300 | 10 |
| DN6100.122 | 125 x 22 mm | 40 | 12250 | 10 |
| DN6100.124 | 125 x 22 mm | 60 | 12250 | 10 |
| DN6100.125 | 125 x 22 mm | 80 | 12250 | 10 |
| DN6100.182 | 180 x 22 mm | 40 | 8500 | 10 |
| DN6100.184 | 180 x 22 mm | 60 | 8500 | 10 |
| DN6100.185 | 180 x 22 mm | 80 | 8500 | 10 |

**DN6300-Z****PERFORMANCE FLAP DISC DUAL FLAP**

| Art. | Dimensions | Grit | rpm max | Pack |
|------------|-------------|------|---------|------|
| DN6300.112 | 115 x 22 mm | 40 | 13300 | 10 |
| DN6300.114 | 115 x 22 mm | 60 | 13300 | 10 |
| DN6300.115 | 115 x 22 mm | 80 | 13300 | 10 |
| DN6300.117 | 115 x 22 mm | 120 | 13300 | 10 |
| DN6300.122 | 125 x 22 mm | 40 | 12250 | 10 |
| DN6300.124 | 125 x 22 mm | 60 | 12250 | 10 |
| DN6300.125 | 125 x 22 mm | 80 | 12250 | 10 |
| DN6300.182 | 180 x 22 mm | 40 | 8500 | 10 |
| DN6300.184 | 180 x 22 mm | 60 | 8500 | 10 |
| DN6300.185 | 180 x 22 mm | 80 | 8500 | 10 |

**DN6550-Z****PERFORMANCE FLAP DISC REAL FLAT**

Thanks to a special convex shape backing, this flap discs type are perfectly flat discs with large flaps and constant density and hardness both at the centre and on the peripheral diameter of the disc.



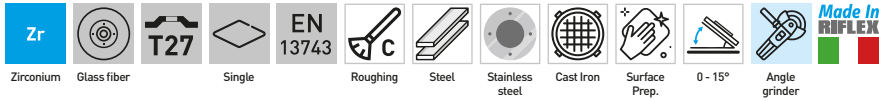
| Art. | Dimensions | Grit | rpm max | Pack |
|------------|-------------|------|---------|------|
| DN6550.112 | 115 x 22 mm | 40 | 13300 | 10 |
| DN6550.114 | 115 x 22 mm | 60 | 13300 | 10 |
| DN6550.115 | 115 x 22 mm | 80 | 13300 | 10 |
| DN6550.117 | 115 x 22 mm | 120 | 13300 | 10 |



DF6600-Z

PERFORMANCE FLAP DISC BIGGER

Grind even longer, even faster, and even better finishing with bigger disc. The new structure provides better benefits compared to conventional flap or grinding discs: 50% more abrasion capacity, saving a great deal of working time, 2x longer service life, excellent value for money, cooler grinding, costs and working time reduction.



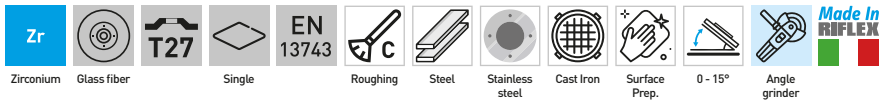
| Art. | Dimensions | Grit | rpm max | Pack |
|------------|-------------|------|---------|------|
| DF6600.112 | 115 x 22 mm | 40 | 13300 | 10 |
| DF6600.114 | 115 x 22 mm | 60 | 13300 | 10 |
| DF6600.115 | 115 x 22 mm | 80 | 13300 | 10 |
| DF6600.117 | 115 x 22 mm | 120 | 13300 | 10 |
| DF6600.122 | 125 x 22 mm | 40 | 12250 | 10 |
| DF6600.124 | 125 x 22 mm | 60 | 12250 | 10 |
| DF6600.125 | 125 x 22 mm | 80 | 12250 | 10 |
| DF6600.127 | 125 x 22 mm | 120 | 12250 | 10 |
| DF6600.182 | 180 x 22 mm | 40 | 8500 | 10 |
| DF6600.184 | 180 x 22 mm | 60 | 8500 | 10 |



DF6700-Z

PERFORMANCE FLAP DISC TIGER

Tiger is a flap disc with an additional 70% abrasive cloth compared to standard professional discs. Its shape allows the full use of the abrasive as well as making it particularly compact. This feature, combined to reinforced support, allows to exert a higher specific pressure and consequently a more rapid removal.



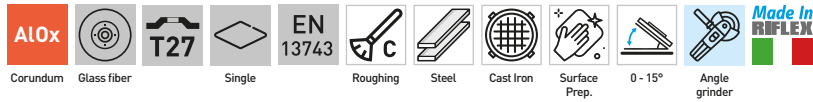
| Art. | Dimensions | Grit | rpm max | Pack |
|------------|-------------|------|---------|------|
| DF6700.112 | 115 x 22 mm | 40 | 13300 | 10 |
| DF6700.114 | 115 x 22 mm | 60 | 13300 | 10 |
| DF6700.115 | 115 x 22 mm | 80 | 13300 | 10 |
| DF6700.117 | 115 x 22 mm | 120 | 13300 | 10 |





DF6100-A

PERFORMANCE FLAP DISC CLASSIC

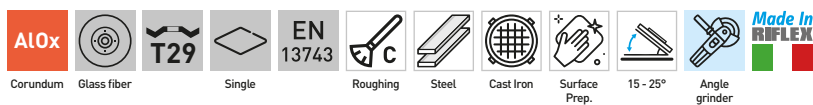


| Art. | Dimensions | Grit | rpm max | Pack |
|------------|-------------|------|---------|------|
| DF6100.212 | 115 x 22 mm | 40 | 13300 | 10 |
| DF6100.214 | 115 x 22 mm | 60 | 13300 | 10 |
| DF6100.215 | 115 x 22 mm | 80 | 13300 | 10 |



DF6150-A

PERFORMANCE FLAP DISC CLASSIC

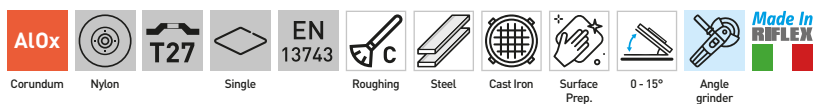


| Art. | Dimensions | Grit | rpm max | Pack |
|------------|-------------|------|---------|------|
| DF6150.212 | 115 x 22 mm | 40 | 13300 | 10 |
| DF6150.214 | 115 x 22 mm | 60 | 13300 | 10 |
| DF6150.215 | 115 x 22 mm | 80 | 13300 | 10 |



DN6100-A

PERFORMANCE FLAP DISC CLASSIC

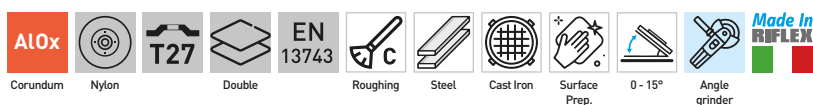


| Art. | Dimensions | Grit | rpm max | Pack |
|------------|-------------|------|---------|------|
| DN6100.212 | 115 x 22 mm | 40 | 13300 | 10 |
| DN6100.214 | 115 x 22 mm | 60 | 13300 | 10 |
| DN6100.215 | 115 x 22 mm | 80 | 13300 | 10 |



DN6300-A

PERFORMANCE FLAP DISC DUAL FLAP



| Art. | Dimensions | Grit | rpm max | Pack |
|------------|-------------|------|---------|------|
| DN6300.212 | 115 x 22 mm | 40 | 13300 | 10 |
| DN6300.214 | 115 x 22 mm | 60 | 13300 | 10 |
| DN6300.215 | 115 x 22 mm | 80 | 13300 | 10 |





MULTI PURPOSE

The “best seller”, suitable for massive removals and finishing on most types of ferrous and non-ferrous metal surfaces.

For specific uses, mass productions and finishing - Designed for artisans, large and medium industries. Ideal for the removal of weld seams and processes where long life of the disk is required, as well as sheet metal deburring.

DF4100-Z

GRINDFLEX FLAP DISC CLASSIC

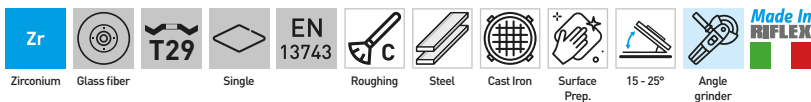


| Art. | Dimensions | Grit | rpm max | Pack |
|------------|-------------|------|---------|------|
| DF4100.112 | 115 x 22 mm | 40 | 13300 | 10 |
| DF4100.114 | 115 x 22 mm | 60 | 13300 | 10 |
| DF4100.115 | 115 x 22 mm | 80 | 13300 | 10 |
| DF4100.117 | 115 x 22 mm | 120 | 13300 | 10 |
| DF4100.122 | 125 x 22 mm | 40 | 12250 | 10 |
| DF4100.124 | 125 x 22 mm | 60 | 12250 | 10 |
| DF4100.125 | 125 x 22 mm | 80 | 12250 | 10 |
| DF4100.127 | 125 x 22 mm | 120 | 12250 | 10 |
| DF4100.182 | 180 x 22 mm | 40 | 8500 | 10 |
| DF4100.184 | 180 x 22 mm | 60 | 8500 | 10 |
| DF4100.185 | 180 x 22 mm | 80 | 8500 | 10 |
| DF4100.187 | 180 x 22 mm | 120 | 8500 | 10 |



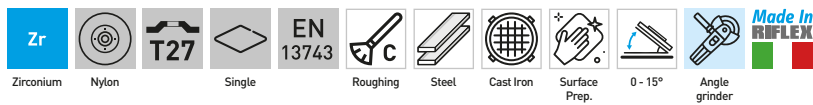
DF4150-Z

GRINDFLEX FLAP DISC CLASSIC

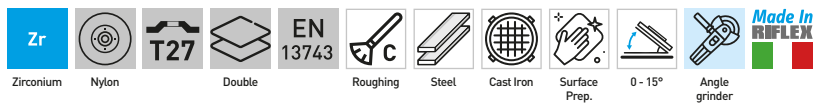


| Art. | Dimensions | Grit | rpm max | Pack |
|------------|-------------|------|---------|------|
| DF4150.112 | 115 x 22 mm | 40 | 13300 | 10 |
| DF4150.114 | 115 x 22 mm | 60 | 13300 | 10 |
| DF4150.115 | 115 x 22 mm | 80 | 13300 | 10 |
| DF4150.117 | 115 x 22 mm | 120 | 13300 | 10 |
| DF4150.122 | 125 x 22 mm | 40 | 12250 | 10 |
| DF4150.124 | 125 x 22 mm | 60 | 12250 | 10 |
| DF4150.125 | 125 x 22 mm | 80 | 12250 | 10 |
| DF4150.127 | 125 x 22 mm | 120 | 12250 | 10 |
| DF4150.182 | 180 x 22 mm | 40 | 8500 | 10 |
| DF4150.184 | 180 x 22 mm | 60 | 8500 | 10 |
| DF4150.185 | 180 x 22 mm | 80 | 8500 | 10 |
| DF4150.187 | 180 x 22 mm | 120 | 8500 | 10 |



**DN4100-Z****GRINDFLEX FLAP DISC CLASSIC**

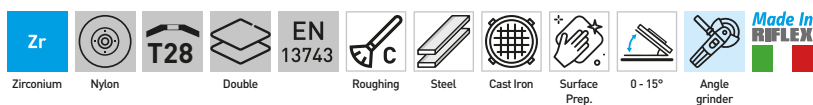
| Art. | Dimensions | Grit | rpm max | Pack |
|------------|-------------|------|---------|------|
| DN4100.112 | 115 x 22 mm | 40 | 13300 | 10 |
| DN4100.114 | 115 x 22 mm | 60 | 10500 | 10 |
| DN4100.115 | 115 x 22 mm | 80 | 13300 | 10 |
| DN4100.122 | 125 x 22 mm | 40 | 12250 | 10 |
| DN4100.124 | 125 x 22 mm | 60 | 12250 | 10 |

**DN4300-Z****GRINDFLEX FLAP DISC DUAL FLAP**

| Art. | Dimensions | Grit | rpm max | Pack |
|------------|-------------|------|---------|------|
| DN4300.112 | 115 x 22 mm | 40 | 13300 | 10 |
| DN4300.114 | 115 x 22 mm | 60 | 13300 | 10 |
| DN4300.115 | 115 x 22 mm | 80 | 13300 | 10 |
| DN4300.117 | 115 x 22 mm | 120 | 13300 | 10 |

**DN4550-Z****GRINDFLEX FLAP DISC REAL FLAT**

Thanks to a special convex shape backing, this flap discs type are perfectly flat discs with large flaps and constant density and hardness both at the centre and on the peripheral diameter of the disc.



| Art. | Dimensions | Grit | rpm max | Pack |
|------------|-------------|------|---------|------|
| DN4550.112 | 115 x 22 mm | 40 | 13300 | 10 |
| DN4550.114 | 115 x 22 mm | 60 | 13300 | 10 |



DF4600-Z
GRINDFLEX FLAP DISC BIGGER

Grind even longer, even faster, and even better finishing with bigger disc. The new structure provides better benefits compared to conventional flap or grinding discs: 50% more abrasion capacity, saving a great deal of working time, 2x longer service life, excellent value for money, cooler grinding, costs and working time reduction.

| | | | | | | | | | | | |
|-----------|-------------|--|--------|----------|----------|-------|-----------|---------------|---------|---------------|----------------|
| | | | | | | | | | | | |
| Zirconium | Glass fiber | | Single | EN 13743 | Roughing | Steel | Cast Iron | Surface Prep. | 0 - 15° | Angle grinder | Made In RIFLEX |

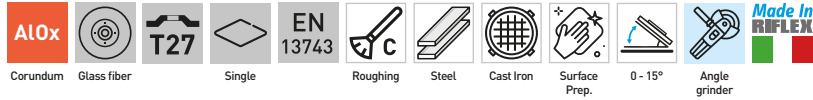
| Art. | Dimensions | Grit | rpm max | Pack |
|------------|-------------|------|---------|------|
| DF4600.112 | 115 x 22 mm | 40 | 13300 | 10 |
| DF4600.114 | 115 x 22 mm | 60 | 13300 | 10 |
| DF4600.115 | 115 x 22 mm | 80 | 13300 | 10 |
| DF4600.117 | 115 x 22 mm | 120 | 13300 | 10 |
| DF4600.122 | 125 x 22 mm | 40 | 12250 | 10 |
| DF4600.124 | 125 x 22 mm | 60 | 12250 | 10 |
| DF4600.182 | 180 x 22 mm | 40 | 8500 | 10 |
| DF4600.184 | 180 x 22 mm | 60 | 8500 | 10 |





DF4100-A

GRINDFLEX FLAP DISC CLASSIC

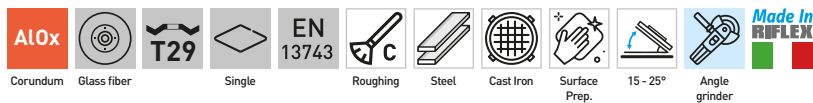


| Art. | Dimensions | Grit | rpm max | Pack |
|------------|-------------|------|---------|------|
| DF4100.212 | 115 x 22 mm | 40 | 13300 | 10 |
| DF4100.214 | 115 x 22 mm | 60 | 13300 | 10 |
| DF4100.215 | 115 x 22 mm | 80 | 13300 | 10 |



DF4150-A

GRINDFLEX FLAP DISC CLASSIC

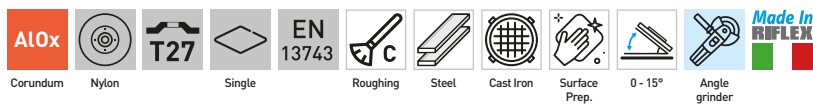


| Art. | Dimensions | Grit | rpm max | Pack |
|------------|-------------|------|---------|------|
| DF4150.212 | 115 x 22 mm | 40 | 13300 | 10 |
| DF4150.214 | 115 x 22 mm | 60 | 13300 | 10 |
| DF4150.215 | 115 x 22 mm | 80 | 13300 | 10 |



DN4100-A

GRINDFLEX FLAP DISC CLASSIC

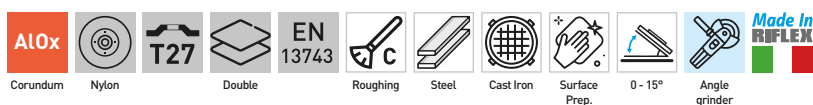


| Art. | Dimensions | Grit | rpm max | Pack |
|------------|-------------|------|---------|------|
| DN4100.212 | 115 x 22 mm | 40 | 13300 | 10 |
| DN4100.214 | 115 x 22 mm | 60 | 13300 | 10 |



DN4300-A

GRINDFLEX FLAP DISC DUAL FLAP



| Art. | Dimensions | Grit | rpm max | Pack |
|------------|-------------|------|---------|------|
| DN4300.212 | 115 x 22 mm | 40 | 13300 | 10 |
| DN4300.214 | 115 x 22 mm | 60 | 13300 | 10 |
| DN4300.215 | 115 x 22 mm | 80 | 13300 | 10 |



SMARTFLEX

VALUE FOR MONEY

The best price with professional performances.
For removal and finishing operations.

For common uses and low productions - Designed for hobbyists, building and small artisans (individual companies), who do not want to give up performance. Ideal for removing welding beads, sheet metal deburring and finishing.

DF2100-Z

SMARTFLEX FLAP DISC CLASSIC



| Art. | Dimensions | Grit | rpm max | Pack |
|------------|-------------|------|---------|------|
| DF2100.112 | 115 x 22 mm | 40 | 13300 | 10 |
| DF2100.114 | 115 x 22 mm | 60 | 13300 | 10 |
| DF2100.115 | 115 x 22 mm | 80 | 13300 | 10 |
| DF2100.117 | 115 x 22 mm | 120 | 13300 | 10 |
| DF2100.122 | 125 x 22 mm | 40 | 12250 | 10 |
| DF2100.124 | 125 x 22 mm | 60 | 12250 | 10 |
| DF2100.125 | 125 x 22 mm | 80 | 12250 | 10 |
| DF2100.127 | 125 x 22 mm | 120 | 12250 | 10 |



DF2150-Z

SMARTFLEX FLAP DISC CLASSIC

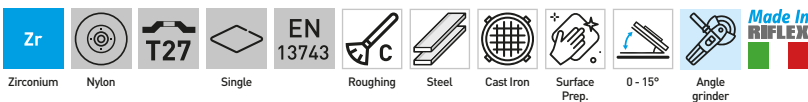


| Art. | Dimensions | Grit | rpm max | Pack |
|------------|-------------|------|---------|------|
| DF2150.112 | 115 x 22 mm | 40 | 13300 | 10 |
| DF2150.114 | 115 x 22 mm | 60 | 13300 | 10 |
| DF2150.115 | 115 x 22 mm | 80 | 13300 | 10 |
| DF2150.117 | 115 x 22 mm | 120 | 13300 | 10 |
| DF2150.122 | 125 x 22 mm | 40 | 12250 | 10 |
| DF2150.124 | 125 x 22 mm | 60 | 12250 | 10 |
| DF2150.125 | 125 x 22 mm | 80 | 12250 | 10 |
| DF2150.127 | 125 x 22 mm | 120 | 12250 | 10 |



DN2100-Z

SMARTFLEX FLAP DISC CLASSIC



| Art. | Dimensions | Grit | rpm max | Pack |
|------------|-------------|------|---------|------|
| DN2100.112 | 115 x 22 mm | 40 | 13300 | 10 |
| DN2100.114 | 115 x 22 mm | 60 | 13300 | 10 |
| DN2100.115 | 115 x 22 mm | 80 | 13300 | 10 |
| DN2100.117 | 115 x 22 mm | 120 | 13300 | 10 |
| DN2100.122 | 125 x 22 mm | 40 | 12250 | 10 |
| DN2100.124 | 125 x 22 mm | 60 | 12250 | 10 |
| DN2100.125 | 125 x 22 mm | 80 | 12250 | 10 |
| DN2100.127 | 125 x 22 mm | 120 | 12250 | 10 |





DN2300-Z

SMARTFLEX FLAP DISC DUAL FLAP

| | | | | | | | | | | | |
|-----------|-------|-----|--------|----------|----------|-------|-----------|---------------|---------|---------------|---------------|
| | | | | | | | | | | | |
| Zirconium | Nylon | T27 | Double | EN 13743 | Roughing | Steel | Cast Iron | Surface Prep. | 0 - 15° | Angle grinder | Made In ITALY |

| Art. | Dimensions | Grit | rpm max | Pack |
|------------|-------------|------|---------|------|
| DN2300.112 | 115 x 22 mm | 40 | 13300 | 10 |
| DN2300.114 | 115 x 22 mm | 60 | 13300 | 10 |
| DN2300.115 | 115 x 22 mm | 80 | 13300 | 10 |
| DN2300.117 | 115 x 22 mm | 120 | 13300 | 10 |
| DN2300.122 | 125 x 22 mm | 40 | 12250 | 10 |
| DN2300.124 | 125 x 22 mm | 60 | 12250 | 10 |
| DN2300.125 | 125 x 22 mm | 80 | 12250 | 10 |
| DN2300.127 | 125 x 22 mm | 120 | 12250 | 10 |



DF2100-A
SMARTFLEX FLAP DISC CLASSIC

| | | | | | | | | | | | |
|-------------|-------------|------------|--------|-----------------|----------|-------|-----------|---------------|---------|---------------|----------------------|
| A10x | | T27 | | EN 13743 | | | | | | | Made In ITALY |
| Corundum | Glass fiber | | Single | | Roughing | Steel | Cast Iron | Surface Prep. | 0 - 15° | Angle grinder | |

| Art. | Dimensions | Grit | rpm max | Pack |
|------------|-------------|------|---------|------|
| DF2100.212 | 115 x 22 mm | 40 | 13300 | 10 |
| DF2100.214 | 115 x 22 mm | 60 | 13300 | 10 |
| DF2100.215 | 115 x 22 mm | 80 | 13300 | 10 |


DF2150-A
SMARTFLEX FLAP DISC CLASSIC

| | | | | | | | | | | | |
|-------------|-------------|------------|--------|-----------------|----------|-------|-----------|---------------|----------|---------------|----------------------|
| A10x | | T29 | | EN 13743 | | | | | | | Made In ITALY |
| Corundum | Glass fiber | | Single | | Roughing | Steel | Cast Iron | Surface Prep. | 15 - 25° | Angle grinder | |

| Art. | Dimensions | Grit | rpm max | Pack |
|------------|-------------|------|---------|------|
| DF2150.212 | 115 x 22 mm | 40 | 13300 | 10 |
| DF2150.214 | 115 x 22 mm | 60 | 13300 | 10 |
| DF2150.215 | 115 x 22 mm | 80 | 13300 | 10 |


DN2100-A
SMARTFLEX FLAP DISC CLASSIC

| | | | | | | | | | | | |
|-------------|-------|------------|--------|-----------------|----------|-------|-----------|---------------|---------|---------------|----------------------|
| A10x | | T27 | | EN 13743 | | | | | | | Made In ITALY |
| Corundum | Nylon | | Single | | Roughing | Steel | Cast Iron | Surface Prep. | 0 - 15° | Angle grinder | |

| Art. | Dimensions | Grit | rpm max | Pack |
|------------|-------------|------|---------|------|
| DN2100.212 | 115 x 22 mm | 40 | 13300 | 10 |
| DN2100.214 | 115 x 22 mm | 60 | 13300 | 10 |
| DN2100.215 | 115 x 22 mm | 80 | 13300 | 10 |





SPECIALTY INOX

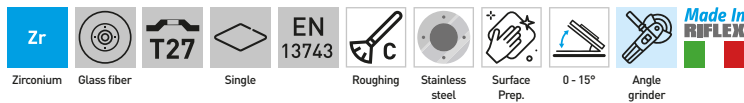
**Best solution for machining of stainless steel surfaces.
Ceramic cloth, added with cooling “top size” layer.**

For applications in the food, pharmaceutical and chemical industries. Designed for stainless steel specialists. Ideal for processing thin sheets, important burrs of weld seams and where a temperature-resistant product is required.

SPECIALTY INOX is a flap disc composed by an abrasive cloth “**TOP SIZE**” with a mixture of **Zirconium and ceramic abrasive grain**. These high quality materials allow a **very high cutting speed** together with an **extraordinary disc life**. The further layer “**TOP SIZE**” drastically reduces the overheating of the disc and of the workpiece, with **obvious benefits when working on stainless steels**. The light blue color is by nature devoid of iron oxides so as to prevent contamination of stainless steels ($\geq 0,1\%$ Fe, S, Cl)

DF9100-ZC

ZIRCO CER FLAP DISC CLASSIC



| Art. | Dimensions | Grit | rpm max | Pack |
|------------|-------------|------|---------|------|
| DF9100.312 | 115 x 22 mm | 40+ | 13300 | 10 |
| DF9100.314 | 115 x 22 mm | 60 | 13300 | 10 |
| DF9100.322 | 125 x 22 mm | 40+ | 12250 | 10 |
| DF9100.324 | 125 x 22 mm | 60 | 12250 | 10 |



DF9150-ZC

ZIRCO CER FLAP DISC CLASSIC



| Art. | Dimensions | Grit | rpm max | Pack |
|------------|-------------|------|---------|------|
| DF9150.312 | 115 x 22 mm | 40+ | 13300 | 10 |
| DF9150.314 | 115 x 22 mm | 60 | 13300 | 10 |
| DF9150.322 | 125 x 22 mm | 40+ | 12250 | 10 |
| DF9150.324 | 125 x 22 mm | 60 | 12250 | 10 |



DN9100-ZC
ZIRCO CER FLAP DISC CLASSIC

| | | | | | | | | | | |
|-----------|-------|--|--------|----------|----------|-----------------|---------------|---------|---------------|---------------|
| | | | | | | | | | | |
| Zirconium | Nylon | | Single | EN 13743 | Roughing | Stainless steel | Surface Prep. | 0 - 15° | Angle grinder | Made In ITALY |

| Art. | Dimensions | Grit | rpm max | Pack |
|------------|-------------|------|---------|------|
| DN9100.312 | 115 x 22 mm | 40+ | 13300 | 10 |
| DN9100.314 | 115 x 22 mm | 60 | 13300 | 10 |
| DN9100.322 | 125 x 22 mm | 40+ | 12250 | 10 |
| DN9100.324 | 125 x 22 mm | 60 | 12250 | 10 |


DF9800-ZC
ZIRCO CER FLAP DISC RAPTOR

Raptor has higher cutting speed and maximum removal power thanks to its particular shape

| | | | | | | | | | | |
|-----------|-------------|--|--------|----------|----------|-----------------|---------------|---------|---------------|---------------|
| | | | | | | | | | | |
| Zirconium | Glass fiber | | Single | EN 13743 | Roughing | Stainless steel | Surface Prep. | 0 - 15° | Angle grinder | Made In ITALY |

| Art. | Dimensions | Grit | rpm max | Pack |
|------------|-------------|------|---------|------|
| DF9800.312 | 115 x 22 mm | 40 | 13300 | 10 |
| DF9800.322 | 125 x 22 mm | 40 | 12250 | 10 |





SPECIALTY CER

Best solution for machining stainless steel surfaces, especially for heavy removal with the highest cutting speed, with 100% ceramic abrasive cloth with cooling “top size” layer.

For applications in the food, pharmaceutical and chemical industries. Designed for stainless steel specialists. Ideal for processing thin sheets, important burrs of weld seams and where a temperature-resistant product is required with a 1400W powertools and above.

SPECIALTY CER is a **flap disc** composed by an abrasive cloth “**TOP SIZE**” with a **100% ceramic abrasive** grain. These high-quality materials allow for **maximum cutting speed** together with an **extraordinary disc life**. The further layer “**TOP SIZE**” drastically reduces the overheating of the disc and of the workpiece, with **obvious benefits when working on stainless steels**. The particularly strong polycotton fabric allows **hard working pressures**.

DF9101-C

CERAMIC FLAP DISC CLASSIC



| Art. | Dimensions | Grit | rpm max | Pack |
|------------|-------------|------|---------|------|
| DF9101.312 | 115 x 22 mm | 40 | 13300 | 10 |
| DF9101.314 | 115 x 22 mm | 60 | 13300 | 10 |
| DF9101.322 | 125 x 22 mm | 40 | 12250 | 10 |
| DF9101.324 | 125 x 22 mm | 60 | 12250 | 10 |



DN9101-C

CERAMIC FLAP DISC CLASSIC



| Art. | Dimensions | Grit | rpm max | Pack |
|------------|-------------|------|---------|------|
| DN9101.312 | 115 x 22 mm | 40 | 13300 | 10 |
| DN9101.314 | 115 x 22 mm | 60 | 13300 | 10 |
| DN9101.322 | 125 x 22 mm | 40 | 12250 | 10 |
| DN9101.324 | 125 x 22 mm | 60 | 12250 | 10 |



DF9801-C

CERAMIC FLAP DISC RAPTOR

Raptor has higher cutting speed and maximum removal power thanks to its particular shape



| Art. | Dimensions | Grit | rpm max | Pack |
|------------|-------------|------|---------|------|
| DF9801.312 | 115 x 22 mm | 40 | 13300 | 10 |
| DF9801.322 | 125 x 22 mm | 40 | 12250 | 10 |



SPECIALTY ALU

LOW TEMPERATURES, HIGH PERFORMANCE.

Ideal disc for machining aluminum surfaces, with Abranet® Max canvas.

For deburring and finishing on aluminum and non-ferrous materials such as copper, zinc, brass, magnesium as well as wood and composite materials and where the problem of clogging could arise.

SPECIALTY ALU is a **special disc** designed for **aluminum** processing and, in general, for all non-ferrous metals and composite materials. It is made with a **special polyamide net support that avoids clogging of the abrasive** and allows the processing of the material at low temperature.

DF9103-M

SPECIALTY ALU FLAP DISC CLASSIC



| Art. | Dimensions | Grit | rpm max | Pack |
|------------|-------------|------|---------|------|
| DF9103.512 | 115 x 22 mm | 40 | 13300 | 10 |
| DF9103.514 | 115 x 22 mm | 60 | 13300 | 10 |
| DF9103.515 | 115 x 22 mm | 80 | 13300 | 10 |
| DF9103.517 | 115 x 22 mm | 120 | 13300 | 10 |
| DF9103.522 | 125 x 22 mm | 40 | 12250 | 10 |
| DF9103.524 | 125 x 22 mm | 60 | 12250 | 10 |
| DF9103.525 | 125 x 22 mm | 80 | 12250 | 10 |
| DF9103.527 | 125 x 22 mm | 120 | 12250 | 10 |



DF9153-M

SPECIALTY ALU FLAP DISC CLASSIC

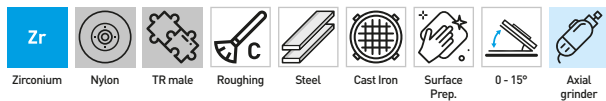


| Art. | Dimensions | Grit | rpm max | Pack |
|------------|-------------|------|---------|------|
| DF9153.512 | 115 x 22 mm | 40 | 13300 | 10 |
| DF9153.514 | 115 x 22 mm | 60 | 13300 | 10 |
| DF9153.515 | 115 x 22 mm | 80 | 13300 | 10 |
| DF9153.517 | 115 x 22 mm | 120 | 13300 | 10 |
| DF9153.522 | 125 x 22 mm | 40 | 12250 | 10 |
| DF9153.524 | 125 x 22 mm | 60 | 12250 | 10 |
| DF9153.525 | 125 x 22 mm | 80 | 12250 | 10 |
| DF9153.527 | 125 x 22 mm | 120 | 12250 | 10 |



**MFDXZ****MINI FLAP DISC**

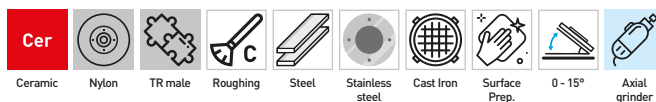
Fast lock. Long life, deburring and blending small areas, grinding edges.



| Art. | Diameter ø | Grit | rpm max | Pack |
|-------------|------------|------|---------|------|
| MFD050/040Z | 50 mm | 40 | 25000 | 10 |
| MFD050/060Z | 50 mm | 60 | 25000 | 10 |
| MFD050/080Z | 50 mm | 80 | 25000 | 10 |
| MFD050/120Z | 50 mm | 120 | 25000 | 10 |
| MFD075/040Z | 75 mm | 40 | 20000 | 10 |
| MFD075/060Z | 75 mm | 60 | 20000 | 10 |
| MFD075/080Z | 75 mm | 80 | 20000 | 10 |
| MFD075/120Z | 75 mm | 120 | 20000 | 10 |

**MFDXZC****CERAMIC MINI FLAP DISC**

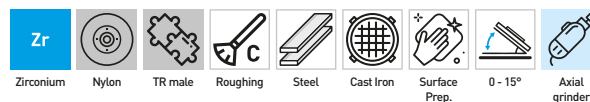
Fast lock. Ceramic abrasive is hard and self sharpening, with faster stock removal and much longer life compared to zirconium. Ideal to work on edges or with heavy pressure.



| Art. | Diameter ø | Grit | rpm max | Pack |
|--------------|------------|------|---------|------|
| MFD050/040ZC | 50 mm | 40 | 25000 | 10 |
| MFD050/060ZC | 50 mm | 60 | 25000 | 10 |
| MFD050/080ZC | 50 mm | 80 | 25000 | 10 |

MCDXZ**MINI CUP FLAP DISC**

Fast lock. Suited for contoured surfaces. More flexible and conformable compared to mini discs.



| Art. | Diameter ø | Grit | rpm max | Pack |
|-------------|------------|------|---------|------|
| MCD050/040Z | 50 mm | 40 | 25000 | 10 |
| MCD050/060Z | 50 mm | 60 | 25000 | 10 |
| MCD050/080Z | 50 mm | 80 | 25000 | 10 |
| MCD050/120Z | 50 mm | 120 | 25000 | 10 |

SGFX**RUBBER HOLDER**

Monobloc, suitable for all types of fast locks.



| Art. | Diameter ø | Shank | rpm max |
|-----------|------------|-------|---------|
| SGF050/06 | 50 mm | 6 mm | 30000 |
| SGF075/06 | 75 mm | 6 mm | 28000 |

SFFX**RUBBER HOLDER**

In two parts both with M14 connection and pin, suitable for all types of fast-locks.



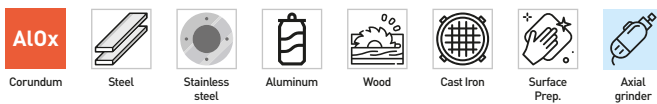
| Art. | Diameter ø | Thread | Shank | rpm max |
|------------|------------|--------|-------|---------|
| SFF050/M14 | 50 mm | M14 | 6 mm | 30000 |
| SFF075/M14 | 75 mm | M14 | 6 mm | 28000 |

RMTX
MICRO FLAP WHEELS
ADR3/6
**ADAPTER FROM SHAFT 3 MM
TO 6 mm**


| Art. | Diameter ø | H | Shank | Grit | rpm max | Pack |
|-------------|------------|-------|-------|------|---------|------|
| RMT1010/060 | 10 mm | 10 mm | 3 mm | 60 | 26000 | 25 |
| RMT1010/080 | 10 mm | 10 mm | 3 mm | 80 | 26000 | 25 |
| RMT1010/120 | 10 mm | 10 mm | 3 mm | 120 | 26000 | 25 |
| RMT1515/060 | 15 mm | 15 mm | 3 mm | 60 | 26000 | 25 |
| RMT1515/080 | 15 mm | 15 mm | 3 mm | 80 | 26000 | 25 |
| RMT1515/120 | 15 mm | 15 mm | 3 mm | 120 | 26000 | 25 |

RGMX
MIXED NONWOVEN AND CLOTH WHEELS WITH SHAFT

Made of nonwoven flaps interspersed with abrasive cloth flaps arranged radially.



| Art. | Dimensions | Shank | Cloth | Grit | Pack |
|-------------|------------|-------|--------|------|------|
| RGM030/20M | 30 x 20 mm | 6 mm | A/O-M | 60 | 10 |
| RGM030/20F | 30 x 20 mm | 6 mm | A/O-F | 100 | 10 |
| RGM030/20VF | 30 x 20 mm | 6 mm | A/O-VF | 150 | 10 |
| RGM040/20M | 40 x 20 mm | 6 mm | A/O-M | 60 | 10 |
| RGM040/20F | 40 x 20 mm | 6 mm | A/O-F | 100 | 10 |
| RGM040/20VF | 40 x 20 mm | 6 mm | A/O-VF | 150 | 10 |
| RGM050/30M | 50 x 30 mm | 6 mm | A/O-M | 60 | 10 |
| RGM050/30F | 50 x 30 mm | 6 mm | A/O-F | 100 | 10 |
| RGM050/30VF | 50 x 30 mm | 6 mm | A/O-VF | 150 | 10 |
| RGM060/30M | 60 x 30 mm | 6 mm | A/O-M | 60 | 10 |
| RGM060/30F | 60 x 30 mm | 6 mm | A/O-F | 100 | 10 |
| RGM060/30VF | 60 x 30 mm | 6 mm | A/O-VF | 150 | 10 |
| RGM080/50M | 80 x 50 mm | 6 mm | A/O-M | 60 | 10 |
| RGM080/50F | 80 x 50 mm | 6 mm | A/O-F | 100 | 10 |
| RGM080/50VF | 80 x 50 mm | 6 mm | A/O-VF | 150 | 10 |

RGTX
ALUMINIUM OXIDE SHAFT-MOUNTED CLOTH WHEELS


| Art. | Dimensions | Stem | Grit | rpm max | Pack |
|-------------|------------|------|------|---------|------|
| RGT2010/40 | 20 x 10 mm | 6 mm | 40 | 26000 | 10 |
| RGT2010/60 | 20 x 10 mm | 6 mm | 60 | 26000 | 10 |
| RGT2010/80 | 20 x 10 mm | 6 mm | 80 | 26000 | 10 |
| RGT2010/120 | 20 x 10 mm | 6 mm | 120 | 26000 | 10 |
| RGT2015/40 | 20 x 15 mm | 6 mm | 40 | 25000 | 10 |
| RGT2015/60 | 20 x 15 mm | 6 mm | 60 | 25000 | 10 |
| RGT2015/80 | 20 x 15 mm | 6 mm | 80 | 25000 | 10 |
| RGT2015/120 | 20 x 15 mm | 6 mm | 120 | 25000 | 10 |
| RGT2515/60 | 25 x 15 mm | 6 mm | 60 | 25000 | 10 |
| RGT2515/80 | 25 x 15 mm | 6 mm | 80 | 25000 | 10 |
| RGT2515/120 | 25 x 15 mm | 6 mm | 120 | 25000 | 10 |
| RGT2525/40 | 25 x 25 mm | 6 mm | 40 | 25000 | 10 |
| RGT2525/60 | 25 x 25 mm | 6 mm | 60 | 25000 | 10 |
| RGT2525/80 | 25 x 25 mm | 6 mm | 80 | 25000 | 10 |
| RGT2525/120 | 25 x 25 mm | 6 mm | 120 | 25000 | 10 |
| RGT3010/40 | 30 x 10 mm | 6 mm | 40 | 25500 | 10 |
| RGT3010/60 | 30 x 10 mm | 6 mm | 60 | 25500 | 10 |
| RGT3010/80 | 30 x 10 mm | 6 mm | 80 | 25500 | 10 |
| RGT3010/120 | 30 x 10 mm | 6 mm | 120 | 25500 | 10 |
| RGT3015/40 | 30 x 15 mm | 6 mm | 40 | 25500 | 10 |
| RGT3015/60 | 30 x 15 mm | 6 mm | 60 | 25500 | 10 |
| RGT3015/80 | 30 x 15 mm | 6 mm | 80 | 25500 | 10 |
| RGT3015/120 | 30 x 15 mm | 6 mm | 120 | 22900 | 10 |
| RGT3020/40 | 30 x 20 mm | 6 mm | 40 | 22900 | 10 |
| RGT3020/60 | 30 x 20 mm | 6 mm | 60 | 22900 | 10 |
| RGT3020/80 | 30 x 20 mm | 6 mm | 80 | 22900 | 10 |
| RGT3020/120 | 30 x 20 mm | 6 mm | 120 | 25500 | 10 |
| RGT4015/40 | 40 x 15 mm | 6 mm | 40 | 19100 | 10 |
| RGT4015/60 | 40 x 15 mm | 6 mm | 60 | 19100 | 10 |
| RGT4015/80 | 40 x 15 mm | 6 mm | 80 | 19100 | 10 |
| RGT4015/120 | 40 x 15 mm | 6 mm | 120 | 19100 | 10 |
| RGT4020/40 | 40 x 20 mm | 6 mm | 40 | 19100 | 10 |
| RGT4020/60 | 40 x 20 mm | 6 mm | 60 | 19100 | 10 |
| RGT4020/80 | 40 x 20 mm | 6 mm | 80 | 19100 | 10 |
| RGT4020/120 | 40 x 20 mm | 6 mm | 120 | 19100 | 10 |
| RGT4030/40 | 40 x 30 mm | 6 mm | 40 | 17100 | 10 |
| RGT4030/60 | 40 x 30 mm | 6 mm | 60 | 17100 | 10 |
| RGT4030/80 | 40 x 30 mm | 6 mm | 80 | 17100 | 10 |
| RGT4030/120 | 40 x 30 mm | 6 mm | 120 | 17100 | 10 |
| RGT5020/40 | 50 x 20 mm | 6 mm | 40 | 15300 | 10 |
| RGT5020/60 | 50 x 20 mm | 6 mm | 60 | 15300 | 10 |
| RGT5020/80 | 50 x 20 mm | 6 mm | 80 | 15300 | 10 |
| RGT5020/120 | 50 x 20 mm | 6 mm | 120 | 15300 | 10 |
| RGT5030/40 | 50 x 30 mm | 6 mm | 40 | 15300 | 10 |
| RGT5030/60 | 50 x 30 mm | 6 mm | 60 | 15300 | 10 |
| RGT5030/80 | 50 x 30 mm | 6 mm | 80 | 15300 | 10 |
| RGT5030/120 | 50 x 30 mm | 6 mm | 120 | 15300 | 10 |
| RGT6020/40 | 60 x 20 mm | 6 mm | 40 | 12700 | 10 |
| RGT6020/60 | 60 x 20 mm | 6 mm | 60 | 12700 | 10 |
| RGT6020/80 | 60 x 20 mm | 6 mm | 80 | 12700 | 10 |
| RGT6020/120 | 60 x 20 mm | 6 mm | 120 | 12700 | 10 |
| RGT6030/40 | 60 x 30 mm | 6 mm | 40 | 12700 | 10 |
| RGT6030/60 | 60 x 30 mm | 6 mm | 60 | 12700 | 10 |
| RGT6030/80 | 60 x 30 mm | 6 mm | 80 | 12700 | 10 |
| RGT6030/120 | 60 x 30 mm | 6 mm | 120 | 12700 | 10 |



RFTX

ALUMINIUM OXIDE CLOTH WHEELS WITH HOLE

The wheel can be configured on the profile of the workpiece. Lubricating the wheel with oil or fat, it improves the degree of finish, the duration of the wheel and is held action dustproof.



| Art. | Dimensions | Grit | rpm max |
|---------------|-------------------|------|---------|
| RFT165/25040 | 165 x 25 x 54 mm | 40 | 5200 |
| RFT165/25060 | 165 x 25 x 54 mm | 60 | 5200 |
| RFT165/25080 | 165 x 25 x 54 mm | 80 | 5200 |
| RFT165/25120 | 165 x 25 x 54 mm | 120 | 5200 |
| RFT165/25220 | 165 x 25 x 54 mm | 220 | 5200 |
| RFT165/30040 | 165 x 30 x 54 mm | 40 | 5200 |
| RFT165/30060 | 165 x 30 x 54 mm | 60 | 5200 |
| RFT165/30080 | 165 x 30 x 54 mm | 80 | 5200 |
| RFT165/30120 | 165 x 30 x 54 mm | 120 | 5200 |
| RFT165/30220 | 165 x 30 x 54 mm | 220 | 5200 |
| RFT165/50040 | 165 x 50 x 54 mm | 40 | 5200 |
| RFT165/50060 | 165 x 50 x 54 mm | 60 | 5200 |
| RFT165/50080 | 165 x 50 x 54 mm | 80 | 5200 |
| RFT165/50120 | 165 x 50 x 54 mm | 120 | 5200 |
| RFT165/50220 | 165 x 50 x 54 mm | 220 | 5200 |
| RFT165/50040A | 165 x 50 x 25 mm | 40 | 5200 |
| RFT165/50060A | 165 x 50 x 25 mm | 60 | 5200 |
| RFT165/50080A | 165 x 50 x 25 mm | 80 | 5200 |
| RFT165/50120A | 165 x 50 x 25 mm | 120 | 5200 |
| RFT165/50220A | 165 x 50 x 25 mm | 220 | 5200 |
| RFT200/50040 | 200 x 50 x 54 mm | 40 | 3800 |
| RFT200/50060 | 200 x 50 x 54 mm | 60 | 3800 |
| RFT200/50080 | 200 x 50 x 54 mm | 80 | 3800 |
| RFT200/50120 | 200 x 50 x 54 mm | 120 | 3800 |
| RFT250/50040 | 250 x 50 x 100 mm | 40 | 3400 |
| RFT250/50060 | 250 x 50 x 100 mm | 60 | 3400 |
| RFT250/50080 | 250 x 50 x 100 mm | 80 | 3400 |
| RFT250/50120 | 250 x 50 x 100 mm | 120 | 3400 |

FRFX

PAIR OF FLANGES



| Art. | Size | Hole |
|----------|-------|-------|
| FRF54/20 | 54 mm | 20 mm |
| FRF54/25 | 54 mm | 25 mm |

RGPX

NONWOVEN WHEELS WITH SHAFT

Flaps arranged radially.

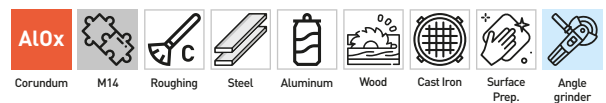


| Art. | Dimensions | Shank | Grit | Pack |
|-------------|------------|-------|-----------|------|
| RGPO30/20C | 30 x 20 mm | 6 mm | COARSE | 10 |
| RGPO30/20M | 30 x 20 mm | 6 mm | MEDIUM | 10 |
| RGPO30/20F | 30 x 20 mm | 6 mm | FINE | 10 |
| RGPO30/20VF | 30 x 20 mm | 6 mm | VERY FINE | 10 |
| RGPO40/20C | 40 x 20 mm | 6 mm | COARSE | 10 |
| RGPO40/20M | 40 x 20 mm | 6 mm | MEDIUM | 10 |
| RGPO40/20F | 40 x 20 mm | 6 mm | FINE | 10 |
| RGPO40/20VF | 40 x 20 mm | 6 mm | VERY FINE | 10 |
| RGPO50/30C | 50 x 30 mm | 6 mm | COARSE | 10 |
| RGPO50/30M | 50 x 30 mm | 6 mm | MEDIUM | 10 |
| RGPO50/30F | 50 x 30 mm | 6 mm | FINE | 10 |
| RGPO50/30VF | 50 x 30 mm | 6 mm | VERY FINE | 10 |
| RGPO60/30C | 60 x 30 mm | 6 mm | COARSE | 10 |
| RGPO60/30M | 60 x 30 mm | 6 mm | MEDIUM | 10 |
| RGPO60/30F | 60 x 30 mm | 6 mm | FINE | 10 |
| RGPO60/30VF | 60 x 30 mm | 6 mm | VERY FINE | 10 |
| RGPO80/50C | 80 x 50 mm | 6 mm | COARSE | 10 |
| RGPO80/50M | 80 x 50 mm | 6 mm | MEDIUM | 10 |
| RGPO80/50F | 80 x 50 mm | 6 mm | FINE | 10 |
| RGPO80/50VF | 80 x 50 mm | 6 mm | VERY FINE | 10 |

RLFX

THREADED BORE FLAP WHEEL

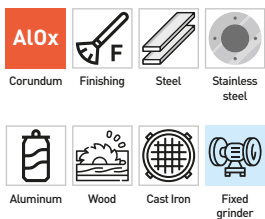
Suited for angle grinders with M14 thread. remove light weld seams on round and irregular metal surfaces.



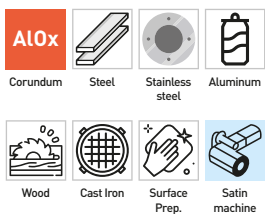
| Art. | Size | Thread | Grit | rpm max |
|------------|---------------|--------|------|---------|
| RLF115/040 | Ø 115 x 20 mm | M14 | 40 | 9000 |
| RLF115/060 | Ø 115 x 20 mm | M14 | 60 | 9000 |
| RLF115/080 | Ø 115 x 20 mm | M14 | 80 | 9000 |
| RLF115/120 | Ø 115 x 20 mm | M14 | 120 | 9000 |
| RLF125/040 | Ø 115 x 20 mm | M14 | 40 | 9000 |
| RLF125/060 | Ø 125 X 20 mm | M14 | 60 | 9000 |
| RLF125/080 | Ø 125 X 20 mm | M14 | 80 | 9000 |
| RLF125/120 | Ø 125 X 20 mm | M14 | 120 | 9000 |

RFPX
NONWOVEN WHEELS WITH BORE

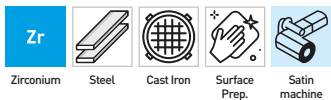
Made of nonwoven, flaps radially arranged.



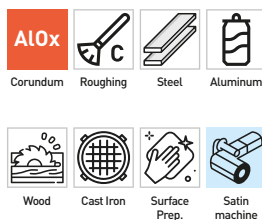
| Art. | Dimensions | Grit |
|-------------|-------------------|-----------|
| RFP165/50M | 165 x 50 x 65 mm | Medium |
| RFP165/50F | 165 x 50 x 65 mm | Fine |
| RFP165/50VF | 165 x 50 x 65 mm | Very Fine |
| RFP200/50M | 200 x 50 x 110 mm | Medium |
| RFP200/50F | 200 x 50 x 110 mm | Fine |
| RFP200/50VF | 200 x 50 x 110 mm | Very Fine |

RLMX
MIXED NONWOVEN WHEELS


| Art. | Dimensions | Cloth | Grit | Hole diameter |
|-------------|--------------|-------|------|---------------|
| RLM100/060C | 100 x 100 mm | A/C | 60 | 19 mm |
| RLM100/080M | 100 x 100 mm | A/M | 80 | 19 mm |
| RLM100/150F | 100 x 100 mm | A/F | 150 | 19 mm |

NAS100X-Z
ZIRCONIUM CLOTH BELTS


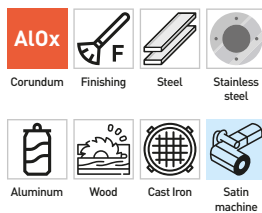
| Art. | Dimensions | Grit |
|-------------|-------------|------|
| NAS100/040Z | 90 x 100 mm | 40 |
| NAS100/060Z | 90 x 100 mm | 60 |
| NAS100/080Z | 90 x 100 mm | 80 |
| NAS100/120Z | 90 x 100 mm | 120 |

RLTX
ABRASIVE CLOTH WHEELS


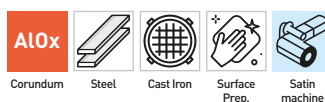
| Art. | Dimensions | Grit | Hole diameter |
|------------|--------------|------|---------------|
| RLT050/040 | 100 x 50 mm | 40 | 19 mm |
| RLT050/060 | 100 x 50 mm | 60 | 19 mm |
| RLT050/080 | 100 x 50 mm | 80 | 19 mm |
| RLT050/120 | 100 x 50 mm | 120 | 19 mm |
| RLT100/040 | 100 x 100 mm | 40 | 19 mm |
| RLT100/060 | 100 x 100 mm | 60 | 19 mm |
| RLT100/080 | 100 x 100 mm | 80 | 19 mm |
| RLT100/120 | 100 x 100 mm | 120 | 19 mm |

RLPX
NONWOVEN WHEELS

Diversified color according to the grit.



| Art. | Dimensions | Grit | Hole diameter |
|-----------|--------------|--------|---------------|
| RLP100/C | 100 x 100 mm | A/O-C | 19 mm |
| RLP100/M | 100 x 100 mm | A/O-M | 19 mm |
| RLP100/F | 100 x 100 mm | A/O-F | 19 mm |
| RLP100/VF | 100 x 100 mm | A/O-VF | 19 mm |

NAS100X-A
ALUMINIUM OXIDE CLOTH BELTS


| Art. | Dimensions | Grit |
|-------------|-------------|------|
| NAS100/180A | 90 x 100 mm | 180 |
| NAS100/240A | 90 x 100 mm | 240 |



NAS100X-C

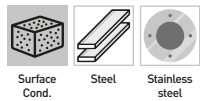
CERAMIC BELTS



| Art. | Dimensions | Grit |
|-------------|-------------|------|
| NAS100/040C | 90 x 100 mm | 40 |
| NAS100/060C | 90 x 100 mm | 60 |
| NAS100/080C | 90 x 100 mm | 80 |
| NAS100/120C | 90 x 100 mm | 120 |

SCSX

SURFACE CONDITIONING BELTS



| Art. | Dimensions | Grit |
|-----------|-------------|-----------|
| SCS100/C | 90 x 100 mm | Coarse |
| SCS100/M | 90 x 100 mm | Medium |
| SCS100/VF | 90 x 100 mm | Very fine |

ERW100

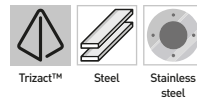
CENTRIFUGAL EXPANDING WHEEL



| | |
|------------|-------------|
| Dimensions | 90 x 100 mm |
| Hole | 19.1 mm |
| rpm max | 6000 |

NAT100X

TRIZACT BELTS



| Art. | Dimensions | Grit |
|-------------|-------------|------|
| NAT100/A006 | 90 x 100 mm | A6 |
| NAT100/A016 | 90 x 100 mm | A16 |
| NAT100/A030 | 90 x 100 mm | A30 |
| NAT100/A045 | 90 x 100 mm | A45 |
| NAT100/A065 | 90 x 100 mm | A65 |
| NAT100/A100 | 90 x 100 mm | A100 |
| NAT100/A160 | 90 x 100 mm | A160 |

RPW090

RUBBER PNEUMATIC WHEEL

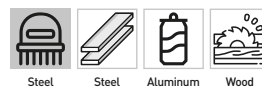


| | |
|------------|------------|
| Dimensions | 90 x 90 mm |
| Hole | 19.1 mm |
| rpm max | 6000 |

SWS100

BRASS STEEL WIRE WHEELS

For deburring, stripping, removing rust and calamine and rustivating wood.



| | |
|------------|--------------|
| Dimensions | 100 x 100 mm |
| Hole | 19.1 mm |
| Wire | 0.3 mm |
| rpm max | 6800 |

SWS100/M

BRASS STEEL WIRE WHEELS

Suitable for Makita machines, for deburring, stripping, removing rust and calamine and rustivating wood



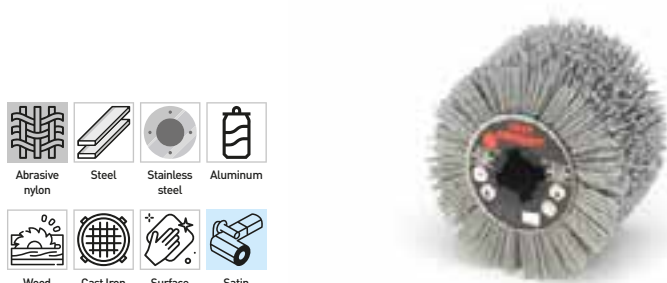
| | | | |
|-----------|-----------|---------------|---------------|
| | | | |
| Steel | Steel | Aluminum | Wood |
| | | | |
| Cast Iron | Deburring | Surface Prep. | Satin machine |

| | |
|------------|--------------|
| Dimensions | 100 x 100 mm |
| Hole | 13 mm |
| Wire | 0.3 mm |
| rpm max | 6800 |

NWS100

ABRASIVE NYLON WIRE WHEELS

For cleaning metals and rustivating wood.



| | | | |
|----------------|-----------|-----------------|---------------|
| | | | |
| Abrasive nylon | Steel | Stainless steel | Aluminum |
| | | | |
| Wood | Cast Iron | Surface Prep. | Satin machine |

| | |
|------------|--------------|
| Dimensions | 100 x 100 mm |
| Hole | 19.1 mm |
| Grit | 80 |
| rpm max | 6800 |

NWS100/M

ABRASIVE NYLON WIRE WHEELS

Suitable for Makita machines, for cleaning metals and rustivating wood.

| | | | | | | |
|----------------|-------|-----------------|----------|-----------|---------------|---------------|
| | | | | | | |
| Abrasive nylon | Steel | Stainless steel | Aluminum | Cast Iron | Surface Prep. | Satin machine |

| | |
|------------|--------------|
| Dimensions | 100 x 100 mm |
| Hole | 13 mm |
| Grit | 80 |
| rpm max | 6800 |

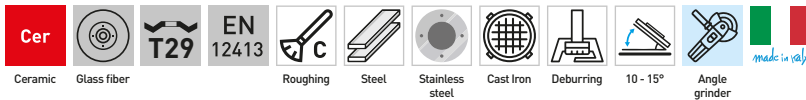




FDCX

VIPER SEMI FLEXIBLE FIBER DISC

Innovative semi flexible depressed center fiberdisc with built-in backing pad for a more precise, faster and comfortable grinding of welding seams, sharp edges, flat and curved surfaces.

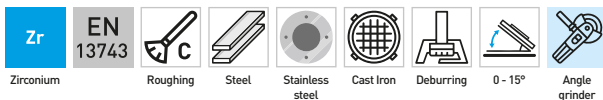


| Art. | Dimensions | Hardness | rpm max | Pack |
|------------|--------------|----------|---------|------|
| FDC115/036 | 115x22,23 mm | SG 36 | 13300 | 25 |
| FDC115/060 | 115x22,23 mm | SG 60 | 13300 | 25 |
| FDC115/120 | 115x22,23 mm | SG 120 | 13300 | 25 |
| FDC125/036 | 125x22,23 mm | SG 36 | 12250 | 25 |

DFVX-XZ

ADHESIVE VULCANISED FIBRE DISCS

Fiber discs are constituted by a vulcanised cellulose fiber support of 0,8 mm. thickness. Various types of abrasive are deposited on it. These are fastened with a double layer of thermosetting resin added with active fillers which give the products cooling and anti-clogging properties. Applied to a backing pad as support, the discs are used on portable sander.



| Art. | Dimensions | Grit | rpm max | Pack |
|-------------|-------------|------|---------|------|
| DFV115/036Z | 115 x 22 mm | 36 | 13300 | 25 |
| DFV115/040Z | 115 x 22 mm | 40 | 13300 | 25 |
| DFV115/060Z | 115 x 22 mm | 60 | 13300 | 25 |
| DFV115/080Z | 115 x 22 mm | 80 | 13300 | 25 |
| DFV115/120Z | 115 x 22 mm | 120 | 13300 | 25 |
| DFV180/036Z | 180 x 22 mm | 36 | 8600 | 25 |
| DFV180/040Z | 180 x 22 mm | 40 | 8600 | 25 |
| DFV180/060Z | 180 x 22 mm | 60 | 8600 | 25 |
| DFV180/080Z | 180 x 22 mm | 80 | 8600 | 25 |
| DFV180/120Z | 180 x 22 mm | 120 | 8600 | 25 |

DFVX-XA

ADHESIVE VULCANISED FIBRE DISCS

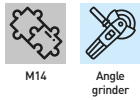
Fiber discs are constituted by a vulcanised cellulose fiber support of 0,8 mm thickness. Various types of abrasive are deposited on it. These are fastened with a double layer of thermosetting resin added with active fillers which give the products cooling and anti-clogging properties. Applied to a backing pad as support, the discs are used on portable sander.



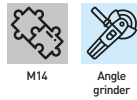
| Art. | Dimensions | Grit | rpm max | Pack |
|-------------|-------------|------|---------|------|
| DFV115/024A | 115 x 22 mm | 24 | 13300 | 25 |
| DFV115/036A | 115 x 22 mm | 36 | 13300 | 25 |
| DFV115/060A | 115 x 22 mm | 60 | 13300 | 25 |
| DFV115/080A | 115 x 22 mm | 80 | 13300 | 25 |
| DFV115/120A | 115 x 22 mm | 120 | 13300 | 25 |
| DFV180/024A | 180 x 22 mm | 24 | 8600 | 25 |
| DFV180/036A | 180 x 22 mm | 36 | 8600 | 25 |
| DFV180/060A | 180 x 22 mm | 60 | 8600 | 25 |
| DFV180/080A | 180 x 22 mm | 80 | 8600 | 25 |

PFBX
BACKING PADS

Standard backing pad for fibre discs, professional, hard.



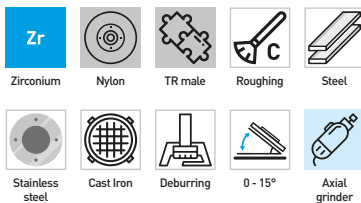
| Art. | Diameter ø | Thread | rpm max |
|--------|------------|--------|---------|
| PFB115 | 115 mm | M14 | 13300 |
| PFB180 | 180 mm | M14 | 8500 |

PFSX
BACKING PADS


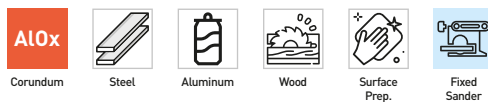
| Art. | Diameter ø | Thread | rpm max |
|--------|------------|--------|---------|
| PFS115 | 115 mm | M14 | 13300 |
| PFS180 | 180 mm | M14 | 8500 |

MDAXZT
FAST LOCK ZIRCONIUM TOP SIZE

Fast lock. Long life, deburring and blending small areas, grinding edges.



| Art. | Diameter ø | Grit | rpm max | Pack |
|--------------|------------|------|---------|------|
| MDA050/036ZT | 50 mm | 36 | 25000 | 25 |
| MDA050/060ZT | 50 mm | 60 | 25000 | 25 |
| MDA050/080ZT | 50 mm | 80 | 25000 | 25 |
| MDA050/120ZT | 50 mm | 120 | 25000 | 25 |
| MDA075/036ZT | 75 mm | 36 | 20000 | 25 |
| MDA075/060ZT | 75 mm | 60 | 20000 | 25 |
| MDA075/080ZT | 75 mm | 80 | 20000 | 25 |
| MDA075/120ZT | 75 mm | 120 | 20000 | 25 |

D17X
ADHESIVE ABRASIVE DISCS


| Art. | Sizes | Grit | Pack |
|----------|--------|------|------|
| D174 | 150 mm | 60 | 10 |
| D175 | 150 mm | 100 | 10 |
| D178/060 | 200 mm | 60 | 10 |
| D178/100 | 200 mm | 100 | 10 |
| D176 | 226 mm | 60 | 10 |
| D177 | 226 mm | 100 | 10 |



VDAX

NEW

VELCRO DISCS

Corundum resin coated on heavy paper (weight F), closed coat.



| Art. | Diameter ø | Holes | Grit | Pack |
|--------------|------------|-------|------|------|
| VDA115/040 | 115 mm | - | 40 | 50 |
| VDA115/060 | 115 mm | - | 60 | 100 |
| VDA115/080 | 115 mm | - | 80 | 100 |
| VDA115/100 | 115 mm | - | 100 | 100 |
| VDA115/120 | 115 mm | - | 120 | 100 |
| VDA115/180 | 115 mm | - | 180 | 100 |
| VDA115/220 | 115 mm | - | 220 | 100 |
| VDA125/40F8 | 125 mm | 8 | 40 | 50 |
| VDA125/60F8 | 125 mm | 8 | 60 | 100 |
| VDA125/80F8 | 125 mm | 8 | 80 | 100 |
| VDA125/100F8 | 125 mm | 8 | 100 | 100 |
| VDA125/120F8 | 125 mm | 8 | 120 | 100 |
| VDA125/180F8 | 125 mm | 8 | 180 | 100 |
| VDA125/220F8 | 125 mm | 8 | 220 | 100 |
| VDA150/040 | 150 mm | - | 40 | 50 |
| VDA150/060 | 150 mm | - | 60 | 100 |
| VDA150/080 | 150 mm | - | 80 | 100 |
| VDA150/100 | 150 mm | - | 100 | 100 |
| VDA150/120 | 150 mm | - | 120 | 100 |
| VDA150/180 | 150 mm | - | 180 | 100 |
| VDA150/220 | 150 mm | - | 220 | 100 |
| VDA150/040F6 | 150 mm | 6 | 40 | 50 |
| VDA150/060F6 | 150 mm | 6 | 60 | 100 |
| VDA150/080F6 | 150 mm | 6 | 80 | 100 |
| VDA150/100F6 | 150 mm | 6 | 100 | 100 |
| VDA150/120F6 | 150 mm | 6 | 120 | 100 |
| VDA150/180F6 | 150 mm | 6 | 180 | 100 |
| VDA150/220F6 | 150 mm | 6 | 220 | 100 |
| VDA150/040F8 | 150 mm | 8 | 40 | 10 |
| VDA150/060F8 | 150 mm | 8 | 60 | 10 |
| VDA150/080F8 | 150 mm | 8 | 80 | 10 |
| VDA150/100F8 | 150 mm | 8 | 100 | 10 |
| VDA150/120F8 | 150 mm | 8 | 120 | 10 |
| VDA150/180F8 | 150 mm | 8 | 180 | 10 |
| VDA150/220F8 | 150 mm | 8 | 220 | 10 |

VDGX

VELCRO DISCS "GOLD"

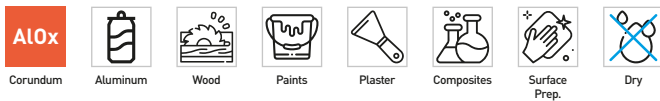
Double resin corundum stearate on light paper (weight C), semi-open coating. The addition of zinc stearate prevents clogging.



| Art. | Diameter | Grit | Holes | Pack |
|--------------|----------|------|-------|------|
| VDG150/060 | ø 150 mm | 60 | - | 100 |
| VDG150/080 | ø 150 mm | 80 | - | 100 |
| VDG150/120 | ø 150 mm | 120 | - | 100 |
| VDG150/150 | ø 150 mm | 150 | - | 100 |
| VDG150/180 | ø 150 mm | 180 | - | 100 |
| VDG150/220 | ø 150 mm | 220 | - | 100 |
| VDG150/320 | ø 150 mm | 320 | - | 100 |
| VDG150/400 | ø 150 mm | 400 | - | 100 |
| VDG150/600 | ø 150 mm | 600 | - | 100 |
| VDG150/800 | ø 150 mm | 800 | - | 100 |
| VDG150/060F6 | ø 150 mm | 60 | 6 | 100 |
| VDG150/080F6 | ø 150 mm | 80 | 6 | 100 |
| VDG150/120F6 | ø 150 mm | 120 | 6 | 100 |
| VDG150/150F6 | ø 150 mm | 150 | 6 | 100 |
| VDG150/180F6 | ø 150 mm | 180 | 6 | 100 |
| VDG150/220F6 | ø 150 mm | 220 | 6 | 100 |
| VDG150/320F6 | ø 150 mm | 320 | 6 | 100 |
| VDG150/400F6 | ø 150 mm | 400 | 6 | 100 |
| VDG150/600F6 | ø 150 mm | 600 | 6 | 100 |
| VDG150/800F6 | ø 150 mm | 800 | 6 | 100 |
| VDG150/060F8 | ø 150 mm | 60 | 8 | 100 |
| VDG150/080F8 | ø 150 mm | 80 | 8 | 100 |
| VDG150/120F8 | ø 150 mm | 120 | 8 | 100 |
| VDG150/150F8 | ø 150 mm | 150 | 8 | 100 |
| VDG150/180F8 | ø 150 mm | 180 | 8 | 100 |
| VDG150/220F8 | ø 150 mm | 220 | 8 | 100 |
| VDG150/320F8 | ø 150 mm | 320 | 8 | 100 |
| VDG150/400F8 | ø 150 mm | 400 | 8 | 100 |
| VDG150/600F8 | ø 150 mm | 600 | 8 | 100 |
| VDG150/800F8 | ø 150 mm | 800 | 8 | 100 |

ZSAX
VELCRO DISCS

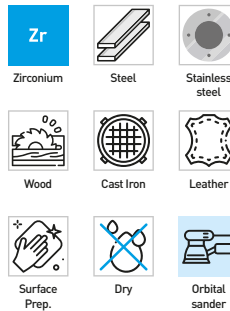
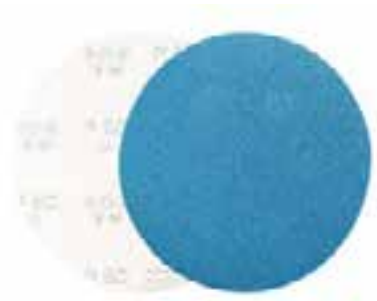
Double resin corundum stearate on light paper (C weight), closed coat. The addition of zinc stearate prevents clogging.



| Art. | Diameter ø | Holes | Grit | Pack |
|--------------|------------|-------|------|------|
| ZSA150/080 | 150 mm | - | 80 | 100 |
| ZSA150/120 | 150 mm | - | 120 | 100 |
| ZSA150/180 | 150 mm | - | 180 | 100 |
| ZSA150/240 | 150 mm | - | 240 | 100 |
| ZSA150/320 | 150 mm | - | 320 | 100 |
| ZSA150/400 | 150 mm | - | 400 | 100 |
| ZSA150/80F6 | 150 mm | 6 | 80 | 100 |
| ZSA150/120F6 | 150 mm | 6 | 120 | 100 |
| ZSA150/180F6 | 150 mm | 6 | 180 | 100 |
| ZSA150/240F6 | 150 mm | 6 | 240 | 100 |
| ZSA150/320F6 | 150 mm | 6 | 320 | 100 |
| ZSA150/400F6 | 150 mm | 6 | 400 | 100 |

NEW
VDZX
VELCRO DISCS

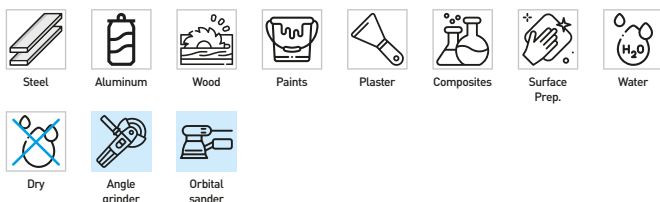
Zirconium resin on heavy paper (weight F), closed coating. Top quality, very aggressive and long lasting, the backing resists the higher stresses and speeds of paper discs.



| Art. | Diameter ø | Grit | Pack |
|--------------|------------|------|------|
| VDZ115/040 | 115 mm | 40 | 50 |
| VDZ115/060 | 115 mm | 60 | 100 |
| VDZ115/080 | 115 mm | 80 | 100 |
| VDZ115/120 | 115 mm | 120 | 100 |
| VDZ125/040 | 125 mm | 40 | 100 |
| VDZ125/060 | 125 mm | 60 | 100 |
| VDZ125/080 | 125 mm | 80 | 100 |
| VDZ125/120 | 125 mm | 120 | 100 |
| VDZ150/040 | 150 mm | 40 | 50 |
| VDZ150/060 | 150 mm | 60 | 100 |
| VDZ150/080 | 150 mm | 80 | 100 |
| VDZ150/120 | 150 mm | 120 | 100 |
| VDZ150/040F8 | 150 mm | 40 | 10 |
| VDZ150/060F8 | 150 mm | 60 | 10 |
| VDZ150/080F8 | 150 mm | 80 | 10 |
| VDZ150/100F8 | 150 mm | 100 | 10 |
| VDZ150/120F8 | 150 mm | 120 | 10 |

VDRX
VELCRO SANDING SCREEN

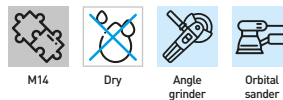
Support made of mesh allows you to vacuum up to 90% of the dust generated by abrasion, resists heat making them usable even with angle grinders, usable dry and wet. Longer service life and healthier working environment thanks to the suction of residues.



| Art. | Diameter ø | Grit | Pack |
|------------|------------|------|------|
| VDR150/080 | 150 mm | 80 | 50 |
| VDR150/120 | 150 mm | 120 | 50 |
| VDR150/180 | 150 mm | 180 | 50 |
| VDR150/240 | 150 mm | 240 | 50 |
| VDR150/320 | 150 mm | 320 | 50 |
| VDR150/400 | 150 mm | 400 | 50 |
| VDR150/600 | 150 mm | 600 | 50 |

PDBX
BACKING PADS WITHOUT FOAM

For velcro discs.



| Art. | Diameter ø | Thread | rpm max |
|------------|------------|--------|---------|
| PDB115/M14 | 115 mm | M14 | 13300 |
| PDB125/M14 | 125 mm | M14 | 12200 |
| PDB150/M14 | 150 mm | M14 | 10000 |

PDMX
BACKING PADS WITH FOAM

Professional version, for velcro discs, to adapt better to the workpiece to be worked.



| Art. | Diameter ø | Thickness | Thread | rpm max |
|--------------|------------|-----------|--------|---------|
| PDM115/12M14 | 115 mm | 12 mm | M14 | 13300 |
| PDM125/12M14 | 125 mm | 12 mm | M14 | 12200 |
| PDM150/12M14 | 150 mm | 12 mm | M14 | 10000 |



PMEX

BACKING PADS WITH FOAM

For velcro discs, to adapt better to the workpiece.



| Art. | Diameter ø | Thickness | Thread | rpm max |
|--------------|------------|-----------|--------|---------|
| PME125/18M14 | 125 mm | 18 mm | M14 | 6800 |
| PME150/12M14 | 150 mm | 12 mm | M14 | 10000 |

PPSX

POLYURETHANE BACKING PADS

For velcro discs, soft version.



| Art. | Diameter ø | Thickness | Thread | rpm max |
|--------------|------------|-----------|--------|---------|
| PPS125/27M14 | 125 mm | 27 mm | M14 | 8000 |
| PPS150/29M14 | 150 mm | 29 mm | M14 | 7000 |

PDVX-M14

BACKING PAD WITH VENTILATION

For velcro discs, the grooves improve heat dispersion, increasing the life of the abrasive and preventing overheating of the work piece.



| Art. | Diameter ø | Thread |
|------------|------------|--------|
| PDV115/M14 | 115 mm | M14 |
| PDV125/M14 | 125 mm | M14 |
| PDV150/M14 | 150 mm | M14 |

0459

HOOK AND LOOP PAD

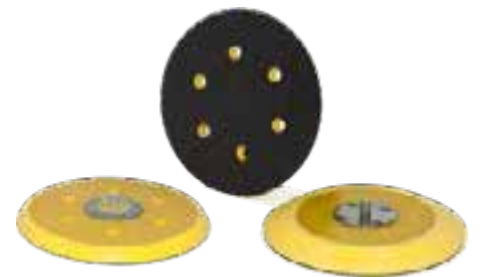
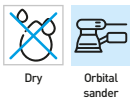
With 6 holes and 5/16"-24tpi male thread.



| | |
|---------------|-------------|
| Disc diameter | 150 mm - 6" |
| Max speed | 12000 rpm |

PFLX

BACKING PADS FOR ORBITAL SANDERS



| Art. | Diameter ø | Thickness | Shank | Holes | rpm max |
|-------------|------------|-----------|----------|-------|---------|
| PFL125/10F8 | 125 mm | 10 mm | 5/16" mm | 8 | 12000 |
| PFL150/10 | 150 mm | 10 mm | 5/16" mm | - | 10000 |
| PFL150/10F6 | 150 mm | 10 mm | 5/16" mm | 6 | 10000 |

TEV120

BLOCK FOR VELCRO DISCS

Ergonomic shape, quick change of the abrasive sheet.



| | |
|------|-------------|
| Size | 70 x 120 mm |
|------|-------------|

TDV

BLOCK FOR VELCRO DISCS

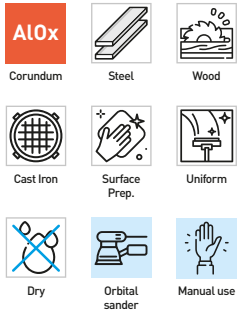
Allows you to use velcro discs by hand.



| | |
|------|--------|
| Size | 150 mm |
|------|--------|

RASX
ANTI WASTE ROLLS

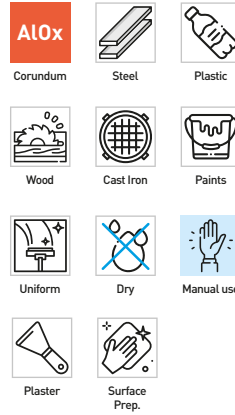
Extra flexible double resin canvas. Specific for turning, molds, weapons and for all processes that require a highly flexible and long-lasting canvas



| Art. | Dimensions | Grit |
|--------|--------------|------|
| RAS40 | 50 mm x 25 m | 40 |
| RAS60 | 50 mm x 25 m | 60 |
| RAS80 | 50 mm x 25 m | 80 |
| RAS120 | 50 mm x 25 m | 120 |
| RAS180 | 50 mm x 25 m | 180 |
| RAS220 | 50 mm x 25 m | 220 |
| RAS320 | 50 mm x 25 m | 320 |
| RAS400 | 50 mm x 25 m | 400 |

RSSX
ANTI-WASTE SPONGE ROLLS

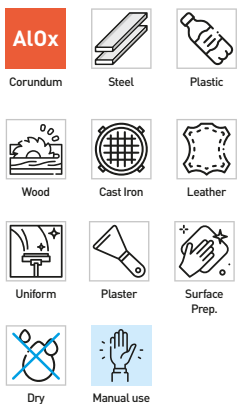
Corundum self-lubricating [C weight] paper coupled with sponge.



| Art. | Dimensions | Grit |
|---------|---------------|------|
| RSS150 | 115 mm x 25 m | 150 |
| RSS180 | 115 mm x 25 m | 180 |
| RSS240 | 115 mm x 25 m | 240 |
| RSS320 | 115 mm x 25 m | 320 |
| RSS400 | 115 mm x 25 m | 400 |
| RSS500 | 115 mm x 25 m | 500 |
| RSS600 | 115 mm x 25 m | 600 |
| RSS800 | 115 mm x 25 m | 800 |
| RSS1000 | 115 mm x 25 m | 1000 |

RSRX
VELCRO PAPER ROLLS

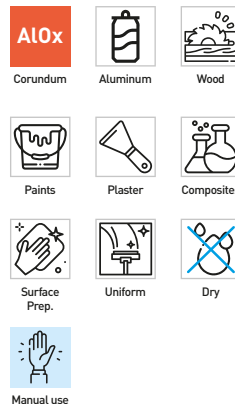
Antistatic corundum paper, semi-open coating, E weight. Dry use, suitable for working wood, leather, Plaster and metal.



| Art. | Dimensions | Grit |
|----------------|------------|------|
| RSR115/050/040 | 115 x 25 m | 40 |
| RSR115/050/060 | 115 x 25 m | 60 |
| RSR115/050/080 | 115 x 25 m | 80 |
| RSR115/050/120 | 115 x 25 m | 120 |

RSAX
LUBRICANT VELCRO PAPER ROLLS

Corundum stearate on light paper [C weight], semi-open coating, dry use.



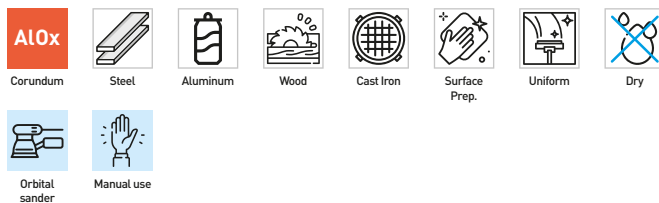
| Art. | Dimensions | Grit |
|---------------|---------------|------|
| RSA115/25/080 | 115 mm x 25 m | 80 |
| RSA115/25/120 | 115 mm x 25 m | 120 |
| RSA115/25/150 | 115 mm x 25 m | 150 |
| RSA115/25/180 | 115 mm x 25 m | 180 |
| RSA115/25/220 | 115 mm x 25 m | 220 |
| RSA115/25/320 | 115 mm x 25 m | 320 |



FTRX

FLEXIBLE CLOTH

Flexible canvas with cotton backing.

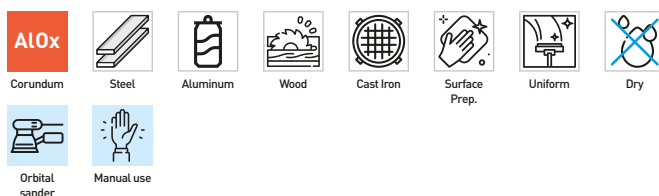


| Art. | Dimensions | Grit | Pack |
|------------|--------------|------|------|
| FTR230/040 | 230 x 280 mm | 40 | 50 |
| FTR230/060 | 230 x 280 mm | 60 | 50 |
| FTR230/080 | 230 x 280 mm | 80 | 50 |
| FTR230/120 | 230 x 280 mm | 120 | 50 |
| FTR230/180 | 230 x 280 mm | 180 | 50 |
| FTR230/220 | 230 x 280 mm | 220 | 50 |
| FTR230/320 | 230 x 280 mm | 320 | 50 |
| FTR230/400 | 230 x 280 mm | 400 | 50 |
| FTR230/600 | 230 x 280 mm | 600 | 50 |

RTFX

RESIN CLOTH ROLLS

Very flexible and resistant. Suitable for working both flat and shaped surfaces.



| Art. | Dimensions | Grit | Pack |
|----------------|---------------|------|------|
| RTF120/005/060 | 115 mm x 5 m | 60 | 10 |
| RTF120/005/080 | 115 mm x 5 m | 80 | 10 |
| RTF120/005/100 | 115 mm x 5 m | 100 | 10 |
| RTF120/005/120 | 115 mm x 5 m | 120 | 10 |
| RTF120/050/040 | 115 mm x 50 m | 40 | 10 |
| RTF120/050/060 | 115 mm x 50 m | 60 | 10 |
| RTF120/050/080 | 115 mm x 50 m | 80 | 10 |
| RTF120/050/100 | 115 mm x 50 m | 100 | 10 |
| RTF120/050/120 | 115 mm x 50 m | 120 | 10 |

CARX

NEW

RECTANGULAR ABRASIVE PAPER



| Art. | Dimensions | Holes | Grit | Pack |
|---------------|--------------|-------|------|------|
| CAR115280/060 | 280 x 115 mm | 14 | 60 | 10 |
| CAR115280/080 | 280 x 115 mm | 14 | 80 | 10 |
| CAR115280/120 | 280 x 115 mm | 14 | 120 | 10 |

RCLX

LATEX WATERPROOF ROLLS

For wet and dry sanding, usually used in polishing and sanding metal moulds, carbon fiber workpieces, fiber glass, composite materials, and precision instruments.



| Art. | Dimensions | Grit |
|----------------|----------------|------|
| RCL115/100/120 | 115 mm x 100 m | 120 |
| RCL115/100/150 | 115 mm x 100 m | 150 |
| RCL115/100/180 | 115 mm x 100 m | 180 |

RCSX
STEARATE ROLLS

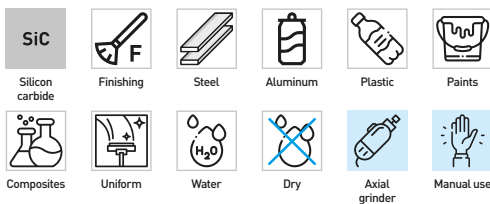
Stearate rolls, prevent clogging and static, flexible and high wear resistant, ideal for paint sanding. The addition of zinc stearate prevents clogging.



| Art. | Dimensions | Grit |
|----------------|---------------|------|
| RCS115/050/150 | 115 mm x 50 m | 150 |
| RCS115/050/180 | 115 mm x 50 m | 180 |
| RCS115/050/240 | 115 mm x 50 m | 240 |
| RCS115/050/320 | 115 mm x 50 m | 320 |
| RCS115/050/400 | 115 mm x 50 m | 400 |
| RCS115/050/600 | 115 mm x 50 m | 600 |

FLIX
LATEX WATERPROOF SHEETS

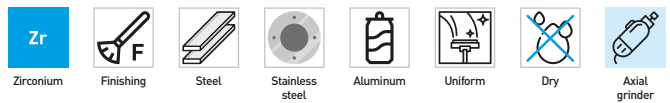
Wet and dry sanding, usually used in polishing and sanding paints, precision instrument, metal, composite materials, automobile production and repair, electron.



| Art. | Dimensions | Grit | Pack |
|-------------|--------------|------|------|
| FLI230/240 | 230 x 280 mm | 240 | 100 |
| FLI230/320 | 230 x 280 mm | 320 | 100 |
| FLI230/400 | 230 x 280 mm | 400 | 100 |
| FLI230/600 | 230 x 280 mm | 600 | 100 |
| FLI230/800 | 230 x 280 mm | 800 | 100 |
| FLI230/1000 | 230 x 280 mm | 1000 | 100 |
| FLI230/1200 | 230 x 280 mm | 1200 | 100 |

SPIXZ
REINFORCED ABRASIVE SPIRABANDS

Created with strips of abrasive cloth, wrapped and glued on a cotton support, ideal for grinding aluminum or steel. To be used with the relative rubber sleeve holders. To reach parts that are difficult to access or to maintain the radii.



| Art. | Dimensions | Grit | rpm max | Pack |
|--------------|------------|------|---------|------|
| SPI1020/040Z | 10 x 20 mm | 40 | 36000 | 100 |
| SPI1020/060Z | 10 x 20 mm | 60 | 36000 | 100 |
| SPI1020/080Z | 10 x 20 mm | 80 | 36000 | 100 |
| SPI1020/120Z | 10 x 20 mm | 120 | 36000 | 100 |
| SPI1530/040Z | 15 x 30 mm | 40 | 26000 | 100 |
| SPI1530/060Z | 15 x 30 mm | 60 | 26000 | 100 |
| SPI1530/080Z | 15 x 30 mm | 80 | 26000 | 100 |
| SPI1530/120Z | 15 x 30 mm | 120 | 26000 | 100 |
| SPI2030/040Z | 20 x 30 mm | 40 | 18000 | 100 |
| SPI2030/060Z | 20 x 30 mm | 60 | 18000 | 100 |
| SPI2030/080Z | 20 x 30 mm | 80 | 18000 | 100 |
| SPI2030/120Z | 20 x 30 mm | 120 | 18000 | 100 |
| SPI2220/040Z | 22 x 20 mm | 40 | 17000 | 100 |
| SPI2220/060Z | 22 x 20 mm | 60 | 17000 | 100 |
| SPI2220/080Z | 22 x 20 mm | 80 | 17000 | 100 |
| SPI2220/120Z | 22 x 20 mm | 120 | 17000 | 100 |
| SPI2525/040Z | 25 x 25 mm | 40 | 15000 | 100 |
| SPI2525/060Z | 25 x 25 mm | 60 | 15000 | 100 |
| SPI2525/080Z | 25 x 25 mm | 80 | 15000 | 100 |
| SPI2525/120Z | 25 x 25 mm | 120 | 15000 | 100 |
| SPI3030/040Z | 30 x 30 mm | 40 | 13000 | 100 |
| SPI3030/060Z | 30 x 30 mm | 60 | 13000 | 100 |
| SPI3030/080Z | 30 x 30 mm | 80 | 13000 | 100 |
| SPI3030/120Z | 30 x 30 mm | 120 | 13000 | 100 |
| SPI4530/040Z | 45 x 30 mm | 40 | 8500 | 100 |
| SPI4530/060Z | 45 x 30 mm | 60 | 8500 | 100 |
| SPI4530/080Z | 45 x 30 mm | 80 | 8500 | 100 |
| SPI4530/120Z | 45 x 30 mm | 120 | 8500 | 100 |

SGCX

RUBBER HOLDERS

Expansion rubber holders, used to fix spirabands.



Axial grinder

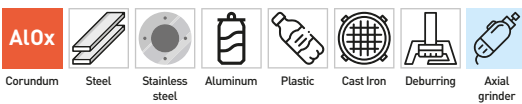


| Art. | Dimensions | Shank | rpm max |
|---------|------------|-------|---------|
| SGC1020 | 10 x 20 mm | 6 mm | 36000 |
| SGC1530 | 15 x 30 mm | 6 mm | 26000 |
| SGC2030 | 20 x 30 mm | 6 mm | 18000 |
| SGC2220 | 22 x 20 mm | 6 mm | 17000 |
| SGC2525 | 25 x 25 mm | 6 mm | 15000 |
| SGC3030 | 30 x 30 mm | 6 mm | 13300 |
| SGC4530 | 45 x 30 mm | 6 mm | 8500 |

CRDXT

CARTRIDGE ROLLS

Small size tools, for grinding operations of points difficult to reach. Can also work at peak. The rolled-up construction gives the tool a longer service life than normal cylindrical spiral bands. Universal use on steel, non-ferrous metals and plastic.



| Art. | Dimensions | Grit | Shape | Pack |
|--------------|------------|------|---------|------|
| CRD1038/060T | 10 x 38 mm | 60 | Conical | 50 |
| CRD1038/080T | 10 x 38 mm | 80 | Conical | 50 |
| CRD1038/120T | 10 x 38 mm | 120 | Conical | 50 |
| CRD1238/060T | 12 x 38 mm | 60 | Conical | 50 |
| CRD1238/080T | 12 x 38 mm | 80 | Conical | 50 |
| CRD1238/120T | 12 x 38 mm | 120 | Conical | 50 |

CRDXC

CARTRIDGE ROLLS

Small size tools, for grinding operations of points difficult to reach. Can also work at peak. The rolled-up construction gives the tool a longer service life than normal cylindrical spiral bands. Universal use on steel, non-ferrous metals and plastic.



| Art. | Dimensions | Grit | Shape | Pack |
|--------------|------------|------|-------------|------|
| CRD0638/060C | 6 x 38 mm | 60 | Cylindrical | 50 |
| CRD0638/080C | 6 x 38 mm | 80 | Cylindrical | 50 |
| CRD0638/120C | 6 x 38 mm | 120 | Cylindrical | 50 |
| CRD1038/040C | 10 x 38 mm | 40 | Cylindrical | 50 |
| CRD1038/060C | 10 x 38 mm | 60 | Cylindrical | 50 |
| CRD1038/080C | 10 x 38 mm | 80 | Cylindrical | 50 |
| CRD1038/120C | 10 x 38 mm | 120 | Cylindrical | 50 |

PCR6338

PIN FOR CARTRIDGE ROLLS



Axial grinder



NTXA
ABRASIVE BELTS

NTXZ
ABRASIVE BELTS


| Art. | Dimensions | Grit | Pack |
|-----------------|---------------|------|------|
| NT0440/035/040A | 440 x 35 mm | 40 | 10 |
| NT0440/035/060A | 440 x 35 mm | 60 | 10 |
| NT0440/035/080A | 440 x 35 mm | 80 | 10 |
| NT0440/035/120A | 440 x 35 mm | 120 | 10 |
| NT0533/075/040A | 533 x 75 mm | 40 | 10 |
| NT0533/075/060A | 533 x 75 mm | 60 | 10 |
| NT0533/075/080A | 533 x 75 mm | 80 | 10 |
| NT0533/075/120A | 533 x 75 mm | 120 | 10 |
| NT0686/050/040A | 686 x 50 mm | 40 | 10 |
| NT0686/050/060A | 686 x 50 mm | 60 | 10 |
| NT0686/050/080A | 686 x 50 mm | 80 | 10 |
| NT0686/050/100A | 686 x 50 mm | 100 | 10 |
| NT0686/050/120A | 686 x 50 mm | 120 | 10 |
| NT0914/100/040A | 914 x 100 mm | 40 | 10 |
| NT0914/100/060A | 914 x 100 mm | 60 | 10 |
| NT0914/100/080A | 914 x 100 mm | 80 | 10 |
| NT0914/100/100A | 914 x 100 mm | 100 | 10 |
| NT0914/100/120A | 914 x 100 mm | 120 | 10 |
| NT1000/100/040A | 1000 x 100 mm | 40 | 10 |
| NT1000/100/060A | 1000 x 100 mm | 60 | 10 |
| NT1000/100/080A | 1000 x 100 mm | 80 | 10 |
| NT1000/100/120A | 1000 x 100 mm | 120 | 10 |
| NT1075/025/040A | 1075 x 25 mm | 40 | 10 |
| NT1075/025/060A | 1075 x 25 mm | 60 | 10 |
| NT1075/025/080A | 1075 x 25 mm | 80 | 10 |
| NT1075/025/100A | 1075 x 25 mm | 100 | 10 |
| NT1075/025/120A | 1075 x 25 mm | 120 | 10 |
| NT1219/152/040A | 1219 x 152 mm | 40 | 10 |
| NT1219/152/060A | 1219 x 152 mm | 60 | 10 |
| NT1219/152/080A | 1219 x 152 mm | 80 | 10 |
| NT1219/152/100A | 1219 x 152 mm | 100 | 10 |
| NT1219/152/120A | 1219 x 152 mm | 120 | 10 |
| NT1500/120/040A | 1500 x 120 mm | 40 | 10 |
| NT1500/120/060A | 1500 x 120 mm | 60 | 10 |
| NT1500/120/080A | 1500 x 120 mm | 80 | 10 |
| NT1500/120/120A | 1500 x 120 mm | 120 | 10 |
| NT1750/150/040A | 1750 x 150 mm | 40 | 10 |
| NT1750/150/060A | 1750 x 150 mm | 60 | 10 |
| NT1750/150/080A | 1750 x 150 mm | 80 | 10 |
| NT1750/150/120A | 1750 x 150 mm | 120 | 10 |

| Art. | Dimensions | Grit | Pack |
|-----------------|---------------|------|------|
| NT0330/010/040Z | 330 x 10 mm | 40 | 10 |
| NT0330/010/060Z | 330 x 10 mm | 60 | 10 |
| NT0330/010/080Z | 330 x 10 mm | 80 | 10 |
| NT0330/010/120Z | 330 x 10 mm | 120 | 10 |
| NT520/020/040Z | 520 x 20 mm | 40 | 10 |
| NT520/020/060Z | 520 x 20 mm | 60 | 10 |
| NT520/020/080Z | 520 x 20 mm | 80 | 10 |
| NT520/020/120Z | 520 x 20 mm | 120 | 10 |
| NT0610/100/040Z | 610 x 100 mm | 40 | 10 |
| NT0610/100/060Z | 610 x 100 mm | 60 | 10 |
| NT0610/100/080Z | 610 x 100 mm | 80 | 10 |
| NT0610/100/120Z | 610 x 100 mm | 120 | 10 |
| NT0760/040/040Z | 760 x 40 mm | 40 | 10 |
| NT0760/040/060Z | 760 x 40 mm | 60 | 10 |
| NT0760/040/080Z | 760 x 40 mm | 80 | 10 |
| NT0760/040/120Z | 760 x 40 mm | 120 | 10 |
| NT0914/100/040Z | 914 x 100 mm | 40 | 10 |
| NT0914/100/060Z | 914 x 100 mm | 60 | 10 |
| NT0914/100/080Z | 914 x 100 mm | 80 | 10 |
| NT0914/100/120Z | 914 x 100 mm | 120 | 10 |
| NT1000/100/040Z | 1000 x 100 mm | 40 | 10 |
| NT1000/100/060Z | 1000 x 100 mm | 60 | 10 |
| NT1000/100/080Z | 1000 x 100 mm | 80 | 10 |
| NT1000/100/120Z | 1000 x 100 mm | 120 | 10 |
| NT1219/152/040Z | 1219 x 152 mm | 40 | 10 |
| NT1219/152/060Z | 1219 x 152 mm | 60 | 10 |
| NT1219/152/080Z | 1219 x 152 mm | 80 | 10 |
| NT1219/152/120Z | 1219 x 152 mm | 120 | 10 |
| NT1500/120/040Z | 1500 x 120 mm | 40 | 10 |
| NT1500/120/060Z | 1500 x 120 mm | 60 | 10 |
| NT1500/120/080Z | 1500 x 120 mm | 80 | 10 |
| NT1500/120/120Z | 1500 x 120 mm | 120 | 10 |
| NT1750/150/040Z | 1750 x 150 mm | 40 | 10 |
| NT1750/150/060Z | 1750 x 150 mm | 60 | 10 |
| NT1750/150/080Z | 1750 x 150 mm | 80 | 10 |
| NT1750/150/120Z | 1750 x 150 mm | 120 | 10 |
| NT2000/050/040Z | 2000 x 50 mm | 40 | 10 |
| NT2000/050/060Z | 2000 x 50 mm | 60 | 10 |
| NT2000/050/080Z | 2000 x 50 mm | 80 | 10 |
| NT2000/050/120Z | 2000 x 50 mm | 120 | 10 |
| NT2000/150/040Z | 2000 x 150 mm | 40 | 10 |
| NT2000/150/060Z | 2000 x 150 mm | 60 | 10 |
| NT2000/150/080Z | 2000 x 150 mm | 80 | 10 |
| NT2000/150/120Z | 2000 x 150 mm | 120 | 10 |



SURFACE CONDITIONING

SCDX

SURFACE CONDITIONING FLAP DISCS

Fast and steady finish without clogging, cooler cut. increased lifetime compared to standard surface conditioning discs



Surface Cond.



Glass fiber



T27



Single



EN 13743



Steel



Stainless steel



Cast Iron



Paint stripping



Uniform



0 - 15°



Angle grinder



Made in REFLEX

| Art. | Dimensions | Grit | rpm max | Pack |
|-----------|---------------|-----------|---------|------|
| SCD115/C | Ø 115 x 22 mm | Coarse | 13300 | 10 |
| SCD115/M | Ø 115 x 22 mm | Medium | 13300 | 10 |
| SCD115/VF | Ø 115 x 22 mm | Very Fine | 13300 | 10 |
| SCD125/C | Ø 125 x 22 mm | Coarse | 12200 | 10 |
| SCD125/M | Ø 125 x 22 mm | Medium | 12200 | 10 |
| SCD125/VF | Ø 125 x 22 mm | Very Fine | 12200 | 10 |

SPA115/M14

BACKING PAD

For surface conditioning discs.



M14



Angle grinder

| | |
|------------|--------|
| Diameter Ø | 115 mm |
| Thread | M14 |
| rpm max | 13300 |

VSCX

SURFACE CONDITIONING DISCS

Surface preparation for painting, to repair defects with an uniform satin finish. Removes oxidation, scratches, varnishes, welding marks.



Surface Cond.



Steel



Stainless steel



Cast Iron



Paint stripping



Uniform



Angle grinder

| Art. | Diameter Ø | Grit | rpm max | Pack |
|--------------|------------|-----------------|---------|------|
| VSC115/080C | 115 mm | Coarse (80) | 5100 | 10 |
| VSC115/120M | 115 mm | Medium (120) | 5100 | 10 |
| VSC115/240VF | 115 mm | Very Fine (240) | 5100 | 10 |

MSCX

FAST LOCK SURFACE CONDITIONING

Removes oxidation, scratches, varnishes, welding marks.



Surface Cond.



Nylon



TR male



Steel



Stainless steel



Cast Iron



Paint stripping



Uniform



Axial grinder

| Art. | Diameter Ø | Grit | rpm max | Pack |
|-----------|------------|-----------|---------|------|
| MSC050/C | 50 mm | Coarse | 25000 | 10 |
| MSC050/M | 50 mm | Medium | 25000 | 10 |
| MSC050/VF | 50 mm | Very Fine | 25000 | 10 |
| MSC075/C | 75 mm | Coarse | 20000 | 25 |
| MSC075/M | 75 mm | Medium | 20000 | 25 |
| MSC075/VF | 75 mm | Very Fine | 20000 | 25 |

PARX

NON WOVEN ROLLS

Non-woven synthetic fiber compounds, combined with abrasive grain particles via resin. Resistant to water and lubricants, suitable for satin finishing, sanding, removing paint residues or scratches, used in different sectors: metal, wood, paints, plastics, ceramics.



FPA120-

NON WOVEN SHEETS

Non-woven synthetic fiber compounds, combined with abrasive grain particles via resin. Resistant to water and lubricants, suitable for satin finishing, sanding, removing paint residues or scratches, used in different sectors: metal, wood, paints, plastics, ceramics.



| Art. | Dimensions | Grit |
|---------------|---------------|--------------------|
| PAR115/120AM | 115 mm x 10 m | A.Medium (120) |
| PAR115/180AF | 115 mm x 10 m | A.Fine (180) |
| PAR115/320AVF | 115 mm x 10 m | A.Very Fine (320) |
| PAR115/600AUF | 115 mm x 10 m | A.Ultra Fine (600) |



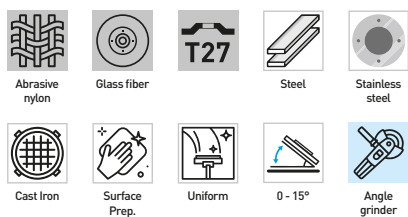
| Art. | Dimensions | Grit | Pack |
|-----------|--------------|--------------------|------|
| FPA120/M | 115 x 280 mm | A.Medium (120) | 10 |
| FPA120/F | 115 x 280 mm | A.Fine (180) | 10 |
| FPA120/VF | 115 x 280 mm | A.Very Fine (320) | 10 |
| FPA120/UF | 115 x 280 mm | S.Ultra Fine (600) | 10 |





CLEAN STRIP

CSCD- ABRASIVE NYLON DISCS



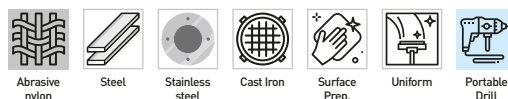
| Art. | Dimensions | rpm max | Pack |
|-------------|-------------|---------|------|
| CSCD/F115 | 115 x 22 mm | 11000 | 5 |
| CSCD/F180 | 180 x 22 mm | 7000 | 5 |
| CSCD/F115HD | 115 x 22 mm | 11000 | 5 |

ADF- FASTENING SHAFT



| Art. | Dimensions | Type | Pack |
|--------|-------------|------|------|
| ADF/01 | 10 x 6 mm | 25 | 10 |
| ADF/02 | 12,8 x 8 mm | 24 | 10 |

CSDS- FLAT DISCS WITH HOLE FOR DRILL



| Art. | Diameter | rpm max |
|----------|----------|---------|
| CSDS/100 | 100 mm | 8000 |
| CSDS/150 | 150 mm | 5350 |
| CSDS/200 | 200 mm | 4000 |

CSF- ABRASIVE NYLON BLACK CLEANER

Fast lock. Suited for rust, varnish and oxidations removal.



| Art. | Diameter Ø | rpm max | Pack |
|---------|------------|---------|------|
| CSF/050 | 50 mm | 12000 | 10 |
| CSF/075 | 75 mm | 8000 | 10 |


UNCD-
NON WOVEN ABRASIVE DISCS FOR SURFACE FINISHING

Impregnated with resin and compressed.



| Art. | Dimensions | Grit | rpm max | Pack |
|------------|-------------|-------|---------|------|
| UNCD/F115F | 115 x 22 mm | S/C-F | 11000 | 5 |
| UNCD/F115M | 115 x 22 mm | S/C-M | 11000 | 5 |
| UNCD/F115C | 115 x 22 mm | A/O-C | 11000 | 5 |

UNPX
UNITIZED FLAT DISCS

Suited for corner blending and finishing, to be used with low speed angle grinders. The product must work on the edge, do not exert lateral pressure.



| Art. | Diameter Ø | Thickness | Hole | Grit | rpm max | Pack |
|--------------|------------|-----------|-------|------------|---------|------|
| UNP115/6/3SF | 115 mm | 6 mm | 22 mm | 3 S.Fine | 5000 | 5 |
| UNP115/6/6SM | 115 mm | 6 mm | 22 mm | 6 S.Medium | 5000 | 5 |
| UNP125/6/3SF | 125 mm | 6 mm | 22 mm | 3 S.Fine | 5000 | 5 |
| UNP125/6/6SM | 125 mm | 6 mm | 22 mm | 6 S.Medium | 5000 | 5 |

UNFX
UNITIZED DISCS

3am medium hardness, medium grit size blending, removal grinding scratches, light deburring of edges. 6ac hard, coarse grit size. Deburring, heavy brushing, removal of deep scratches and oxidations. 6sf very hard, fine grit size. Longer life and better resistance but less conformability to work piece.



| Art. | Diameter Ø | Thickness | Hole | Grit | rpm max | Pack |
|--------------|------------|-----------|-------|------------|---------|------|
| UNF150/6/3AM | 150 mm | 6 mm | 25 mm | 3 A.Medium | 5000 | 5 |
| UNF150/6/6SF | 150 mm | 6 mm | 25 mm | 6 S.Fine | 5000 | 5 |
| UNF150/6/6AC | 150 mm | 6 mm | 25 mm | 6 A.Coarse | 5000 | 5 |

MDUX
FAST LOCK UNITIZED

Deburring and finishing of edges and corners, blending, removing of scratches and light oxidations. Superior quality surface finishing.



| Art. | Diameter Ø | Grit | rpm max |
|------------|------------|------|---------|
| MDU075/2SF | 75 mm | 2SF | 20000 |
| MDU075/6SF | 75 mm | 6SF | 20000 |
| MDU075/6AM | 75 mm | 6AM | 20000 |

**PAS-****GRINDING PASTES**

Pink: medium/fatty paste for polishing and shining; accompanies cloth in the second pass and in polishing brass, silver, aluminum, chrome and zamak.
 Green: medium-fat paste to accompany sisal in finishing stainless.
 White: greasy paste to accompany roughing and first pass with sisal, buffer, steel wire or nylon thread. For brass, silver, zamak, stainless steel.
 Yellow: very sharp for removing scratches from precious and silverware.



Finishing



| Art. | Color |
|-------|--------|
| PAS/W | White |
| PAS/P | Pink |
| PAS/Y | Yellow |
| PAS/G | Green |

DLFX**FELT FLAP DISCS**

Suited for mirror polishing, to be used with compounds or abrasive pastes. Felt flaps are flexible and prevent overheating.



Felt



Glass fiber



T27



EN 13743



Finishing



Steel



Stainless steel



Aluminum



Cast Iron



0 - 15°



Angle grinder



made in Italy



| Art. | Dimensions | rpm max | Pack |
|--------|---------------|---------|------|
| DLF115 | Ø 115 x 22 mm | 6000 | 10 |
| DLF125 | Ø 125 x 22 mm | 6000 | 10 |

S169**POLISHING KIT**

Green and pink: paste for finishing polishes on the main categories of metals. Brown and Black: for performing coarse / medium finish polishes on materials such as brass, aluminum and zinc. White: for carrying out coarse / medium finish polishing on materials such as iron, stainless steel and copper.



5 Pcs



Blister



Steel



Stainless steel



Aluminum



Non-ferr. alloys



Cast Iron



Manual use

MDFX**FAST LOCK FELTRO**

Suited for mirror polishing, to be used with compounds or abrasive pastes.



Felt



Nylon



TR male



Finishing



Steel



Stainless steel



Aluminum



Cast Iron



Axial grinder



| Art. | Diameter Ø | rpm max | Pack |
|--------|------------|---------|------|
| MDF050 | 50 mm | 25000 | 10 |
| MDF075 | 75 mm | 20000 | 10 |

RGFX**FELT FLAP WHEELS**

Suited for mirror polishing, to be used with compounds or abrasive pastes. Felt flaps are flexible and prevent overheating of normal felt wheels.



Felt



Finishing



Steel



Stainless steel



Aluminum



Cast Iron



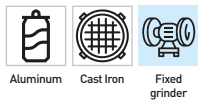
Axial grinder



| Art. | Diameter Ø | Thickness | Shank | rpm max | Pack |
|-----------|------------|-----------|-------|---------|------|
| RGF030/30 | 30 mm | 30 mm | 6 mm | 12500 | 10 |
| RGF040/30 | 40 mm | 30 mm | 6 mm | 9500 | 10 |
| RGF050/30 | 50 mm | 30 mm | 6 mm | 7500 | 10 |
| RGF060/30 | 60 mm | 30 mm | 6 mm | 6000 | 10 |
| RGF080/30 | 80 mm | 30 mm | 6 mm | 4500 | 10 |

DFFX
FELT DISCS

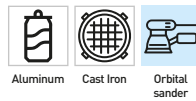
Suited for polishing. To be used with compound or diamond paste. best peripheral speed 5-10 m/s.



| Art. | Diameter ø | Thickness | Hole |
|-----------|------------|-----------|-------|
| DFF100/13 | 100 mm | 13 mm | 10 mm |
| DFF150/13 | 150 mm | 13 mm | 15 mm |
| DFF150/25 | 150 mm | 25 mm | 15 mm |
| DFF200/13 | 200 mm | 13 mm | 15 mm |
| DFF200/25 | 200 mm | 25 mm | 15 mm |

VDFX
VELCRO FELT DISCS

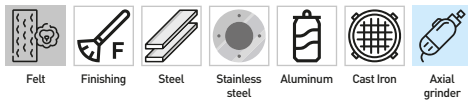
Suited for polishing. To be used with compound or diamond paste.



| Art. | Diameter ø | Thickness | rpm max | Pack |
|--------|------------|-----------|---------|------|
| VDF075 | 75 mm | 5 mm | 6000 | 10 |
| VDF115 | 115 mm | 5 mm | 4000 | 10 |
| VDF125 | 125 mm | 5 mm | 3500 | 10 |
| VDF150 | 150 mm | 5 mm | 3000 | 10 |
| VDF180 | 180 mm | 5 mm | 2500 | 10 |

MFGX
FELT POINT

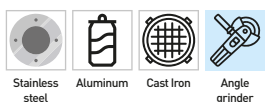
Suited for polishing cut off forms. To be used with diamond paste. Best peripheral speed 5-10 m/s.



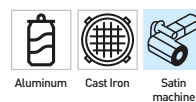
| Art. | Shape | Diameter ø | Thickness | Shank | Pack |
|-------------|-------|------------|-----------|-------|------|
| MFG0610/03A | A | 6 mm | 10 mm | 3 mm | 10 |
| MFG0810/03A | A | 8 mm | 10 mm | 3 mm | 10 |
| MFG1014/06A | A | 10 mm | 14 mm | 6 mm | 10 |
| MFG1520/06A | A | 15 mm | 20 mm | 6 mm | 10 |
| MFG0812/03K | K | 8 mm | 12 mm | 3 mm | 10 |
| MFG1018/06K | K | 10 mm | 18 mm | 6 mm | 10 |
| MFG1530/06K | K | 15 mm | 30 mm | 6 mm | 10 |
| MFG1530/06C | C | 15 mm | 30 mm | 6 mm | 10 |
| MFG2025/06C | C | 20 mm | 25 mm | 6 mm | 10 |
| MFG2530/06C | C | 25 mm | 30 mm | 6 mm | 10 |
| MFG2025/06L | L | 20 mm | 25 mm | 6 mm | 10 |
| MFG2530/06L | L | 25 mm | 30 mm | 6 mm | 10 |


DFC115/M14
CONICAL FELT DISC

Suited for polishing. to be used with compound or diamond paste.



| | |
|------------|--------|
| Diameter ø | 115 mm |
| Thickness | 12 mm |
| Thread | M14 |
| rpm max | 12500 |

RFF100
VENTILATED FELT WHEEL


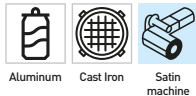
| | |
|---------------|--------------|
| Dimensions | 110 x 100 mm |
| Hole diameter | 19 mm |



DCK100

VENTILATED COTTON DISCS

Mirror polishing. 10 discs to get a 100 mm wheel.



| | |
|------------|---------|
| Diameter ø | 100 mm |
| Hole | 19,1 mm |
| Pack | 10 |

DSK100

SISAL/COTTON DISCS

Suited for inox to eliminate abrasive marks and before polishing operations with felt or cotton. 7 discs to get a 100 mm wheel.

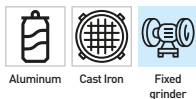


| | |
|------------|---------|
| Diameter ø | 100 mm |
| Hole | 19,1 mm |
| Pack | 10 |

DCTX

STITCHED COTTON DISCS

Layers of cotton bonded together by concentric stitching. Suited for polishing, to be used with pastes.

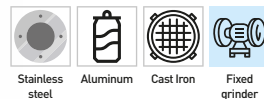


| Art. | Diameter ø | Hole |
|--------|------------|-------|
| DCT150 | 150 mm | 12 mm |
| DCT200 | 200 mm | 20 mm |
| DCT250 | 250 mm | 20 mm |

DSCX

SISAL & COTTON DISCS

Suited for stainless steel to eliminate abrasive marks and before polishing operations with felt or cotton. To be used with pastes.

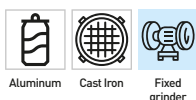


| Art. | Diameter ø | Hole |
|--------|------------|-------|
| DSC150 | 150 mm | 20 mm |
| DSC200 | 200 mm | 20 mm |
| DSC250 | 250 mm | 20 mm |

DSTX

SISAL STITCHED DISCS

Suited for stainless steel to eliminate abrasive marks and before polishing operations with felt or cotton. To be used with pastes.

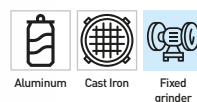
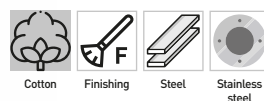


| Art. | Diameter ø | Hole |
|--------|------------|-------|
| DST150 | 150 mm | 20 mm |
| DST200 | 200 mm | 20 mm |
| DST250 | 250 mm | 20 mm |

DCVX

VENTILATED DISCS

Ventilated cotton discs.

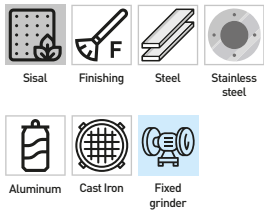
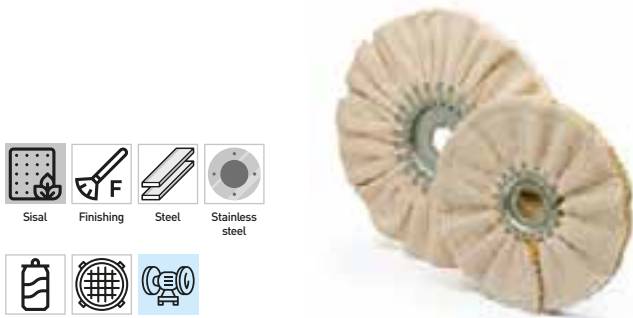


| Art. | Diameter ø | Hole | Layers |
|--------|------------|-------|--------|
| DCV150 | 150 mm | 20 mm | 8 |
| DCV200 | 200 mm | 20 mm | 16 |

DMV150

VENTILATED DISCS

Ventilated sisal and cotton discs.

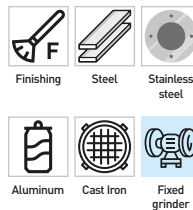


| | |
|-----------------|--------|
| Diameter ϕ | 150 mm |
| Hole | 20 mm |
| Layers | 2 |

DC200

CORRUGATED DISCS

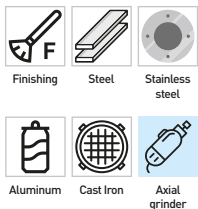
Made of cotton with cardboard core.



| | |
|-----------------|--------|
| Diameter ϕ | 200 mm |
| Hole | 20 mm |
| Layers | 14 |

DNW100

WHITE NON WOVEN POLISHING DISCS

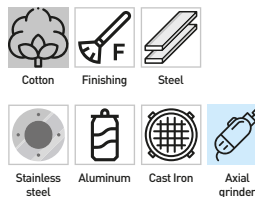


| | |
|-----------------|--------|
| Diameter ϕ | 100 mm |
| Hole | 10 mm |
| Pack | 10 |

DCGX

SHAFT MOUNTED COTTON BUFFINGS

Suited for polishing. To be used with pastes. Best peripheral speed 5-10 m/s.



| Art. | Diameter ϕ | Thickness | Shank | Pack |
|--------|-----------------|-----------|-------|------|
| DCG050 | 50 mm | 12 mm | 6 mm | 10 |
| DCG080 | 80 mm | 12 mm | 6 mm | 10 |
| DCG100 | 100 mm | 12 mm | 6 mm | 10 |

FCGX

FLARE BUFFS

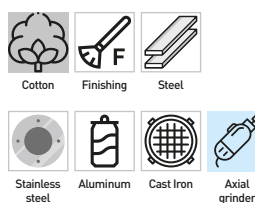


| Art. | Diameter ϕ | Shank | Pack |
|-------|-----------------|-------|------|
| FCG50 | 50 mm | 6 mm | 10 |
| FCG75 | 75 mm | 6 mm | 10 |

CCGX

DOME MOPS

For polishing, for use with abrasive paste. Optimal peripheral speed 5-10 m/s.



| Art. | Diameter ϕ | Shank | Pack |
|-------|-----------------|-------|------|
| CCG50 | 50 mm | 6 mm | 5 |
| CCG75 | 75 mm | 6 mm | 5 |



PNS

SHAFT

Shaft for ventilated disc DNW.



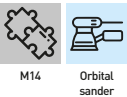
Axial grinder



PLV175

BACKING PAD FOR LAMBS WOOL DISCS

Backing pad suited for VLA200.



M14

Orbital sander

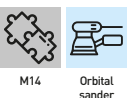


| | |
|------------|--------|
| Diameter ø | 175 mm |
| Thread | M14 |

VSPX

POLYURETHANE BACKING PADS

High & middle profile soft backing pads for contour polishing. Pur molded, soft, good rebounding and durability. Ideal for contour face polishing, e.g. car body, fiberglass piece, boat, floor etc. , suggested to work with lambswool pads, foam pads and abrasive discs.



M14

Orbital sander

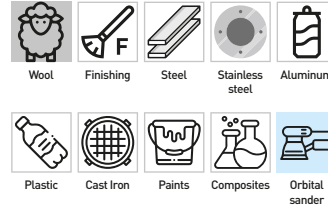


| Art. | Diameter ø | Thread | rpm max |
|--------|------------|--------|---------|
| VSP075 | 75 mm | M14 | 12200 |
| VSP115 | 115 mm | M14 | 10000 |
| VSP125 | 125 mm | M14 | 10000 |
| VSP150 | 150 mm | M14 | 7000 |
| VSP180 | 180 mm | M14 | 5000 |

VLA200

TWISTED LAMBS WOOL DISC

Polishing of painted surfaces and marble.



| | |
|------------|--------|
| Diameter ø | 200 mm |
|------------|--------|



VDLX

POLISHING LAMB'S WOOL

Merinos lamb wool. ideal for polishing all painted surfaces with velcro back



| Art. | Diameter ø |
|--------|------------|
| VDL075 | 75 mm |
| VDL115 | 115 mm |
| VDL125 | 125 mm |
| VDL150 | 150 mm |
| VDL180 | 180 mm |



BSAX
FOAM BLOCK

Thick foam, abrasive on four sides. Wood preparation, doors and windows, angles, de-nibbing. Dry and wet sanding, can be washed and reused.



| Art. | Dimensions | Grit | Pack |
|-------------|-----------------|--------------|------|
| BSA100/060C | 98 x 69 x 26 mm | Coarse (60) | 20 |
| BSA100/100M | 98 x 69 x 26 mm | Medium (100) | 20 |
| BSA100/180F | 98 x 69 x 26 mm | Fine (180) | 20 |

FSAX
FOAM PAD

Very flexible, abrasive on both sides. Dry and wet sanding, can be washed and reused. Furniture industry, auto body repair, wood preparation.



| Art. | Dimensions | Grit | Pack |
|-------------|------------------|--------------|------|
| FSA120/060C | 120 x 98 x 13 mm | Coarse (60) | 20 |
| FSA120/100M | 120 x 98 x 13 mm | Medium (100) | 20 |
| FSA120/180F | 120 x 98 x 13 mm | Fine (180) | 20 |

BGAX
ABRASIVE RUBBER BLOCKS

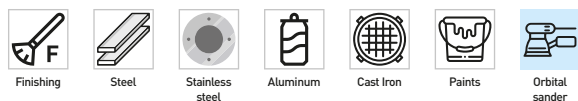
Can be used for various cleaning and manual finishing operations



| Art. | Dimensions | Grit |
|-------------|-----------------|------|
| BGA8050/036 | 80 x 50 x 20 mm | 36 |
| BGA8050/060 | 80 x 50 x 20 mm | 60 |
| BGA8050/120 | 80 x 50 x 20 mm | 120 |
| BGA8050/240 | 80 x 50 x 20 mm | 240 |

SALX
POLISHING SPONGES

Available in different flexibility and porosity, ideal for polishing with polishing pastes. Yellow: first polishing, high cut. Blue: first polishing fast cut. Orange: polishing, medium cut. Black: final polishing.



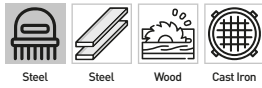
| Art. | Diameter ø | Thickness | Color | rpm max |
|---------|------------|-----------|--------|---------|
| SAL80Y | 80 mm | 25 mm | Yellow | 8000 |
| SAL80B | 80 mm | 25 mm | Blue | 8000 |
| SAL80O | 80 mm | 25 mm | Orange | 8000 |
| SAL80K | 80 mm | 25 mm | Black | 8000 |
| SAL150Y | 150 mm | 50 mm | Yellow | 4500 |
| SAL150B | 150 mm | 50 mm | Blue | 4500 |
| SAL150O | 150 mm | 50 mm | Orange | 4500 |
| SAL150K | 150 mm | 50 mm | Black | 4500 |



SRFX

CIRCULAR BRUSHES

Medium to heavy brush applications: long life, aggressive, very resistant.

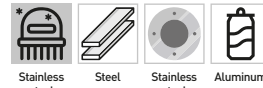


| Art. | Dimensions | Hole | Wire | rpm max |
|-----------|---------------|-------------------------|--------|---------|
| SRF125/25 | Ø 125 x 20 mm | 16, 12,7 mm | 0,3 mm | 6000 |
| SRF150/25 | Ø 150 x 32 mm | 25, 22, 20, 16, 12,7 mm | 0,3 mm | 6000 |
| SRF175/25 | Ø 175 x 32 mm | 25, 22, 20, 16 mm | 0,3 mm | 6000 |
| SRF200/25 | Ø 200 x 32 mm | 25, 22, 20, 16, 13 mm | 0,3 mm | 4500 |
| SRF250/25 | Ø 250 x 32 mm | 25, 22, 20, 16 mm | 0,3 mm | 3000 |

SRFXI

CIRCULAR BRUSHES

Medium to heavy brush applications: long life, aggressive, very resistant.

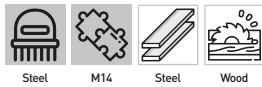


| Art. | Dimensions | Hole | Wire | rpm max |
|------------|---------------|-------------------------|--------|---------|
| SRF125/25I | Ø 125 x 20 mm | 16, 12,7 mm | 0,3 mm | 6000 |
| SRF150/25I | Ø 150 x 32 mm | 25, 22, 20, 16, 12,7 mm | 0,3 mm | 6000 |
| SRF175/25I | Ø 175 x 32 mm | 25, 22, 20, 16 mm | 0,3 mm | 6000 |
| SRF200/25I | Ø 200 x 32 mm | 25, 22, 20, 16 mm | 0,3 mm | 4500 |
| SRF250/25I | Ø 250 x 32 mm | 25, 22, 20, 16 mm | 0,3 mm | 3000 |

STFX

CUP BRUSHES

Suited for angle grinders. paint and primer removal, roughing, light rust removal.

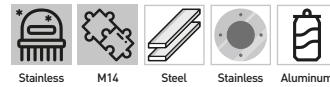


| Art. | Diameter ø | Thread | Wire | rpm max |
|--------|------------|--------|--------|---------|
| STF060 | 60 mm | M14 | 0,3 mm | 12500 |
| STF080 | 80 mm | M14 | 0,3 mm | 11000 |
| STF100 | 100 mm | M14 | 0,3 mm | 8500 |
| STF120 | 120 mm | M14 | 0,3 mm | 6500 |

STFXI

CUP BRUSHES

Suited for angle grinders. paint and primer removal, roughing, light rust removal.

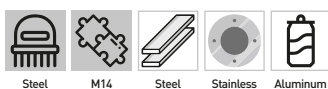


| Art. | Diameter ø | Thread | Wire | rpm max |
|---------|------------|--------|--------|---------|
| STF060I | 60 mm | M14 | 0,3 mm | 12500 |
| STF080I | 80 mm | M14 | 0,3 mm | 11000 |
| STF100I | 100 mm | M14 | 0,3 mm | 8500 |
| STF120I | 120 mm | M14 | 0,3 mm | 6500 |

SCFX

BEVEL BRUSHES

Suited for angle grinders.

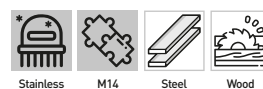


| Art. | Thread | Wire | rpm max | Diameter ø |
|--------|--------|--------|---------|------------|
| SCF090 | M14 | 0,3 mm | 125000 | 90 mm |
| SCF120 | M14 | 0,3 mm | 125000 | 120 mm |
| SCF150 | M14 | 0,3 mm | 6500 | 150 mm |

SCFXI

BEVEL BRUSHES

Suited for angle grinders.

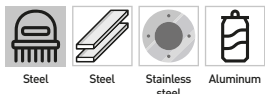


| Art. | Thread | Wire | rpm max | Diameter ø |
|---------|--------|--------|---------|------------|
| SCF090I | M14 | 0,3 mm | 125000 | 90 mm |
| SCF120I | M14 | 0,3 mm | 125000 | 120 mm |
| SCF150I | M14 | 0,3 mm | 6000 | 150 mm |

SRRX

TWISTED KNOTS CIRCULAR BRUSHES

Suited to clean welds and to remove paint, rust, encrustations and burrs. high operating speed.

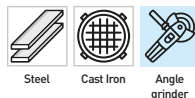
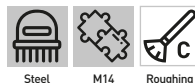


| Art. | Diameter ø | Hole | Wire | rpm max |
|--------|------------|-------|--------|---------|
| SRR100 | 100 mm | 22 mm | 0,5 mm | 12500 |
| SRR150 | 150 mm | 22 mm | 0,5 mm | 9000 |
| SRR200 | 200 mm | 22 mm | 0,5 mm | 6000 |

SRRX-M14

TWISTED KNOTS CIRCULAR BRUSHES

Suited to clean welds and to remove paint, rust, encrustations and burrs. high operating speed.

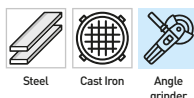
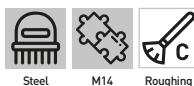


| Art. | Diameter ø | Thread | Wire | rpm max |
|------------|------------|--------|--------|---------|
| SRR100/M14 | 100 mm | M14 | 0,5 mm | 12500 |
| SRR115/M14 | 115 mm | M14 | 0,5 mm | 12500 |
| SRR125/M14 | 125 mm | M14 | 0,5 mm | 11000 |

STRX

TWISTED KNOTS CUP BRUSHES

Suited to remove carbon, rust, paint and other contaminations

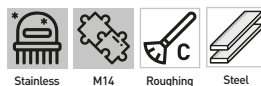


| Art. | Diameter ø | Thread | Wire | rpm max |
|--------|------------|--------|--------|---------|
| STR065 | 65 mm | M14 | 0,5 mm | 12500 |
| STR075 | 75 mm | M14 | 0,5 mm | 8500 |
| STR080 | 80 mm | M14 | 0,5 mm | 8500 |
| STR100 | 100 mm | M14 | 0,5 mm | 8500 |
| STR120 | 120 mm | M14 | 0,5 mm | 6500 |

STRXI

TWISTED KNOTS CUP BRUSHES

Suited to remove carbon, rust, paint and other contaminations

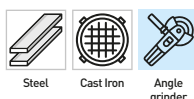
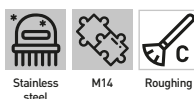


| Art. | Diameter ø | Thread | Wire | rpm max |
|---------|------------|--------|--------|---------|
| STR065I | 65 mm | M 14 | 0,5 mm | 12500 |
| STR075I | 75 mm | M 14 | 0,5 mm | 8500 |
| STR080I | 80 mm | M 14 | 0,5 mm | 8500 |
| STR100I | 100 mm | M 14 | 0,5 mm | 8500 |
| STR120I | 120 mm | M 14 | 0,5 mm | 6500 |

SCRX

TWISTED KNOTS BEVEL BRUSHES

Suited to remove carbon, rust, paint and other contaminations. Tapered brush shaped to reach angles.

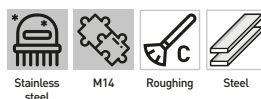


| Art. | Diameter ø | Thread | Wire | rpm max |
|--------|------------|--------|--------|---------|
| SCR100 | 100 mm | M14 | 0,5 mm | 12500 |
| SCR120 | 120 mm | M14 | 0,5 mm | 12500 |

SCRXI

TWISTED KNOTS BEVEL BRUSHES

Suited to remove carbon, rust, paint and other contaminations. Tapered brush shaped to reach angles.



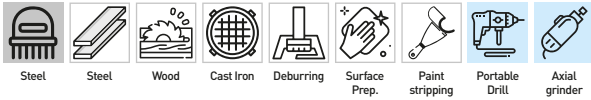
| Art. | Diameter ø | Thread | Wire | rpm max |
|---------|------------|--------|--------|---------|
| SCR100I | 100 mm | M14 | 0,5 mm | 12500 |
| SCR120I | 120 mm | M14 | 0,5 mm | 12500 |



SRGX

CIRCULAR BRUSHES WITH SHAFT

Cleaning of light rust, paint, primer.

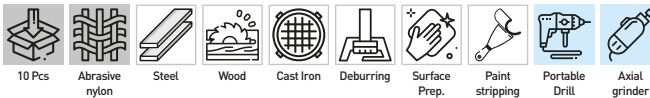


| Art. | Diameter ø | Thickness | Shank | Wire | rpm max |
|-----------|------------|-----------|-------|--------|---------|
| SRG030/05 | 30 mm | 5 mm | 6 mm | 0,3 mm | 4500 |
| SRG040/05 | 40 mm | 5 mm | 6 mm | 0,3 mm | 4500 |
| SRG050/06 | 50 mm | 6 mm | 6 mm | 0,3 mm | 4500 |
| SRG060/06 | 60 mm | 6 mm | 6 mm | 0,3 mm | 4500 |
| SRG070/08 | 70 mm | 8 mm | 6 mm | 0,3 mm | 4500 |
| SRG080/08 | 80 mm | 8 mm | 6 mm | 0,3 mm | 4500 |
| SRG100/10 | 100 mm | 10 mm | 6 mm | 0,3 mm | 4500 |
| SRG100/15 | 100 mm | 15 mm | 6 mm | 0,3 mm | 4500 |

SNGX

NYLON BRUSHES ON SHAFT

More flexible and resistant to breaking than steel wire. On metals it removes oxide and paint residues, scratching less and avoiding rust, on wood it prepares the surface.

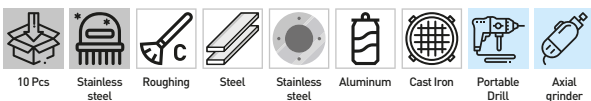


| Art. | Diameter ø | Shank | Grit | Color | rpm max |
|-------------|------------|-------|------|-------|---------|
| SNG075/080R | 75 mm | 6 mm | 80 | Red | 4500 |
| SNG075/180B | 75 mm | 6 mm | 180 | Blue | 4500 |
| SNG100/080R | 100 mm | 6 mm | 80 | Red | 4500 |
| SNG100/180B | 100 mm | 6 mm | 180 | Blue | 4500 |

SGR075I

TWISTED KNOTS BRUSH WITH SHAFT

Cleaning, removal of rust and weld seams

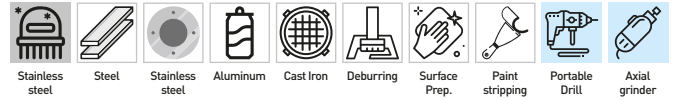


| | |
|------------|--------|
| Diameter ø | 75 mm |
| Shank | 6 mm |
| Wire | 0,5 mm |
| rpm max | 12000 |

SRGXI

CIRCULAR BRUSHES WITH SHAFT

Cleaning of light rust, paint, primer.

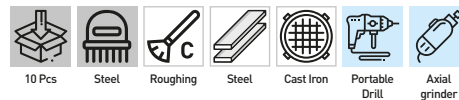


| Art. | Diameter ø | Thickness | Shank | Wire | rpm max |
|------------|------------|-----------|-------|--------|---------|
| SRG030/05I | 30 mm | 5 mm | 6 mm | 0,3 mm | 4500 |
| SRG040/05I | 40 mm | 5 mm | 6 mm | 0,3 mm | 4500 |
| SRG050/06I | 50 mm | 6 mm | 6 mm | 0,3 mm | 4500 |
| SRG060/06I | 60 mm | 6 mm | 6 mm | 0,3 mm | 4500 |
| SRG070/08I | 70 mm | 8 mm | 6 mm | 0,3 mm | 4500 |
| SRG080/08I | 80 mm | 8 mm | 6 mm | 0,3 mm | 4500 |
| SRG100/10I | 100 mm | 10 mm | 6 mm | 0,3 mm | 4500 |
| SRG100/15I | 100 mm | 15 mm | 6 mm | 0,3 mm | 4500 |

SGR075

TWISTED KNOTS BRUSH WITH SHAFT

Cleaning, removal of rust and weld seams

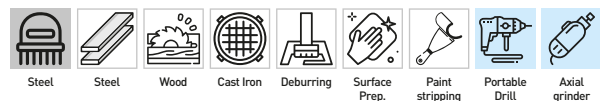


| | |
|------------|--------|
| Diameter ø | 75 mm |
| Shank | 6 mm |
| Wire | 0,5 mm |
| rpm max | 12000 |

SCG090

BEVEL BRUSHES WITH SHAFT

For light and medium rust and varnish removal and deburring

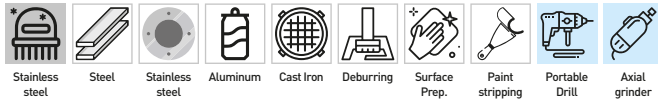


| | |
|------------|--------|
| Diameter ø | 90 mm |
| Shank | 6 mm |
| Wire | 0,3 mm |
| rpm max | 12500 |

SCG090I

BEVEL BRUSHES WITH SHAFT

For light and medium rust and varnish removal and deburring

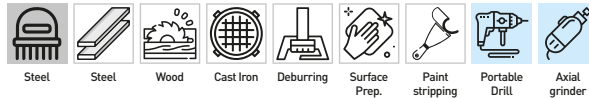


| | |
|------------|--------|
| Diameter ø | 90 mm |
| Shank | 6 mm |
| Wire | 0,3 mm |
| rpm max | 12500 |

STGX

CUP BRUSHES WITH SHAFT

Cup shape, to reach the bottoms and to work frontally

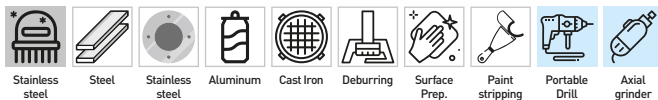


| Art. | Diameter ø | Shank | Wire | rpm max |
|--------|------------|-------|--------|---------|
| STG050 | 50 mm | 6 mm | 0,3 mm | 6500 |
| STG070 | 70 mm | 6 mm | 0,3 mm | 4500 |

STGXI

CUP BRUSHES WITH SHAFT

Cup shape, to reach the bottoms and to work frontally

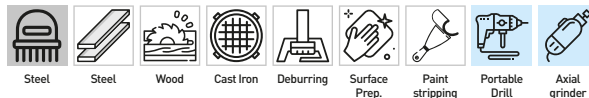


| Art. | Diameter ø | Shank | Wire | rpm max |
|---------|------------|-------|--------|---------|
| STG050I | 50 mm | 6 mm | 0,3 mm | 6500 |
| STG070I | 70 mm | 6 mm | 0,3 mm | 4500 |

SFGX

END BRUSHES

Suited for hard-to-reach spots and frontal cleaning.

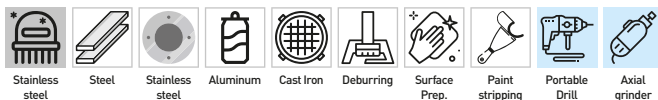


| Art. | Diameter ø | Shank | Wire | rpm max |
|--------|------------|-------|--------|---------|
| SFG010 | 10 mm | 6 mm | 0,3 mm | 20000 |
| SFG015 | 15 mm | 6 mm | 0,3 mm | 20000 |
| SFG020 | 20 mm | 6 mm | 0,3 mm | 20000 |
| SFG025 | 25 mm | 6 mm | 0,3 mm | 20000 |
| SFG030 | 30 mm | 6 mm | 0,3 mm | 20000 |

SFGXI

END BRUSHES

Suited for hard-to-reach spots and frontal cleaning.

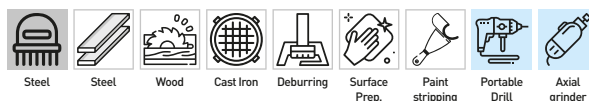


| Art. | Diameter ø | Shank | Wire | rpm max |
|---------|------------|-------|--------|---------|
| SFG010I | 10 mm | 6 mm | 0,3 mm | 20000 |
| SFG015I | 15 mm | 6 mm | 0,3 mm | 20000 |
| SFG020I | 20 mm | 6 mm | 0,3 mm | 20000 |
| SFG025I | 25 mm | 6 mm | 0,3 mm | 20000 |
| SFG030I | 30 mm | 6 mm | 0,3 mm | 20000 |

SFPX

TIP END BRUSHES

Suited for hard-to-reach spots and frontal cleaning.



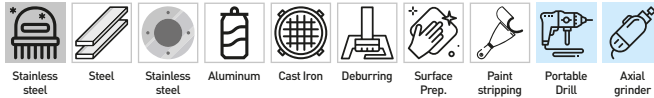
| Art. | Diameter ø | Shank | Wire | rpm max |
|--------|------------|-------|--------|---------|
| SFP012 | 12 mm | 6 mm | 0,3 mm | 20000 |
| SFP024 | 24 mm | 6 mm | 0,3 mm | 20000 |



SFPXI

TIP END BRUSHES

Suited for hard-to-reach spots and frontal cleaning.

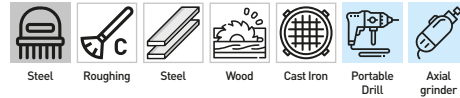


| Art. | Diameter ø | Shank | Wire | rpm max |
|---------|------------|-------|--------|---------|
| SFP012I | 12 mm | 6 mm | 0.3 mm | 20000 |
| SFP024I | 24 mm | 6 mm | 0.3 mm | 20000 |

SFRX

TWISTED KNOTS END BRUSHES

Suited for hard-to-reach spots and frontal cleaning.

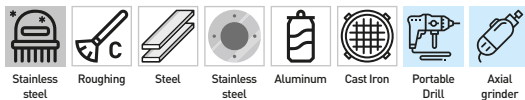


| Art. | Diameter ø | Shank | Wire | rpm max |
|--------|------------|-------|--------|---------|
| SFR019 | 19 mm | 6 mm | 0,5 mm | 20000 |
| SFR022 | 22 mm | 6 mm | 0,5 mm | 20000 |

SFRXI

TWISTED KNOTS END BRUSHES

Suited for hard-to-reach spots and frontal cleaning.



| Art. | Diameter ø | Shank | Wire | rpm max |
|---------|------------|-------|--------|---------|
| SFR019I | 19 mm | 6 mm | 0,5 mm | 20000 |
| SFR022I | 22 mm | 6 mm | 0,5 mm | 20000 |

0331

WIRE BRUSH SET FOR AUTOMOTIVE AND WORKSHOP

With extension and plastic handle.

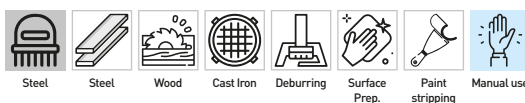


| Sizes | ø 9 - 11 - 13 - 15 - 17 - 19 mm |
|----------|---------------------------------|
| Material | Nylon - Steel - Brass |

SMC275

HAND BRUSHES

For hand cleaning operations.

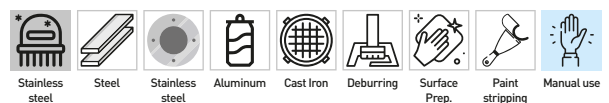


| | |
|------|--------|
| Size | 275 mm |
|------|--------|

SMC275I

HAND BRUSHES

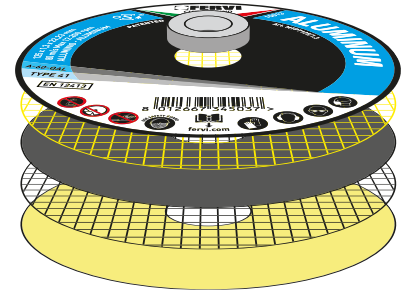
For hand cleaning operations.



| | |
|------|--------|
| Size | 275 mm |
|------|--------|

DISC CONSTRUCTION

An abrasive disc consists of abrasive grains (~75%) bonded together with resins (~25%) and fibre-glass mesh to increase the strength of the product. The minerals used in the production of abrasives are chosen on the basis of their hardness, toughness, heat resistance, composition, and grain shape on which the cutting capacity of that abrasive depends.



The abrasives commonly used in the manufacture of an abrasive disc are as follows:

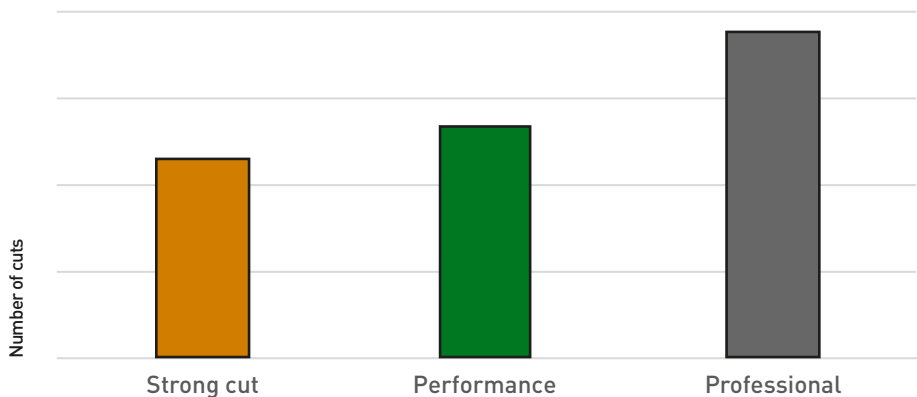
- Modified zirconium corundum: it has high toughness and the property of breaking at high temperatures making the grain regenerate creating new sharp "edges". This type of abrasive is obtained by placing zirconium oxide in the electro-fusion. This abrasive is one of the most effective and durable on the market: it has very high toughness and resistance to the heaviest stresses. In addition, thanks to the ability to self-renew its cutting edges, a very high cutting speed is achieved.
- Red Brown Corundum: it is the most common of the abrasives: it has a medium level of toughness and crumbliness. It is formed by a crystal of aluminium oxide containing a small percentage of iron oxide and titanium oxide which improve its toughness characteristics.



GUIDE TO CHOOSING CUTTING DISC THICKNESS

| Disc diameter | Thickness | Type of use |
|----------------------|--------------|--|
| Ø 75 - 125 mm | 1.0 mm | Thickness aimed at speed of processing, comfort of use and quality of cut. |
| | 1.3 - 1.6 mm | Thickness aimed at disc life and comfort of use. |
| | ≥ 2 mm | Heavy Duty |
| Ø 150 - 230 mm | 2 mm | Thickness aimed at disc life and comfort of use. |
| | ≥ 3 mm | Heavy Duty |

Our tests are carried out using a 1200W electric tool by cutting a 40 x 15 x 1.5 rectangular section tube in AISI 304 using discs with a diameter of 125 mm and a nominal thickness of 1.0 mm making all possible cuts with the disc up to the end of its life.

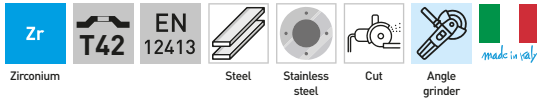




ZTD8X

PROFESSIONAL ZIRCONIUM CUTTING DISC

Narrow domed discs, to maximize the flat working area. It allows you to make more cuts, deeper than a depressed center disc and the same duration and cutting capacity of a flat disc with the advantage of greater rigidity given by the depressed center shape and the dome. The extremely thin thickness allows the execution of cuts with minimal formation of burrs.



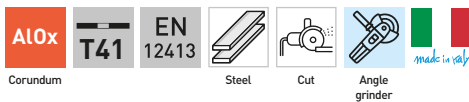
| Art. | Dimensions | Specification | Pack |
|-------------|-------------------|---------------|------|
| ZTD8115/1.0 | 115 x 1,0 x 22 mm | ZA-60-SXBF | 25 |
| ZTD8125/1.0 | 125 x 1,0 x 22 mm | ZA-60-SXBF | 25 |



MTP8X

PROFESSIONAL CUTTING DISC

For specific uses. Designed for professionals who need a large number of high quality cuts. They boast a helical rib conformation on both sides, which allows for a faster and colder cut. The ultimate evolution of thin cutting discs.



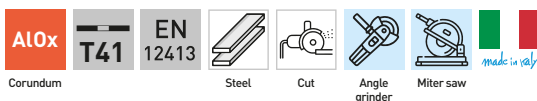
| Art. | Dimensions | Specification | Pack |
|-------------|-------------------|---------------|------|
| MTP8115/1.0 | 115 x 1,0 x 22 mm | A60S | 25 |
| MTP8115/1.3 | 115 x 1,3 x 22 mm | A60S | 25 |
| MTP8115/1.6 | 115 x 1,6 x 22 mm | A60S | 25 |
| MTP8125/1.0 | 125 x 1,0 x 22 mm | A60S | 25 |
| MTP8125/1.3 | 125 x 1,3 x 22 mm | A60S | 25 |
| MTP8230/2.0 | 230 x 2,0 x 22 mm | A60S | 25 |
| MTP8125/1.6 | 125 x 1,6 x 22 mm | A60S | 25 |



MTP6X

PERFORMANCE CUTTING DISC

For general use. Designed for artisans and small businesses. Good cut quality.

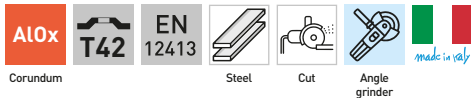


| Art. | Dimensions | Specification | Pack |
|-------------|---------------------|---------------|------|
| MTP6075/1.5 | 75 x 1,5 x 10 mm | A46-S-BF 80 | 25 |
| MTP6115/1.0 | 115 x 1,0 x 22 mm | A46-R-BF 80 | 25 |
| MTP6115/1.3 | 115 x 1,3 x 22 mm | A46-R-BF 80 | 25 |
| MTP6115/1.6 | 115 x 1,6 x 22 mm | A46-R-BF 80 | 25 |
| MTP6125/1.0 | 125 x 1,0 x 22 mm | A46-S5-BF | 25 |
| MTP6125/1.3 | 125 x 1,3 x 22 mm | A46-S5-BF | 25 |
| MTP6125/1.6 | 125 x 1,6 x 22 mm | A46-S5-BF | 25 |
| MTP6230/2.0 | 230 x 2,0 x 22 mm | A30-R-BF 80 | 25 |
| MTP6350/3.0 | 350 x 3,0 x 25.4 mm | A46-S-BF 80 | 25 |



MTD6X
PERFORMANCE CUTTING DISC

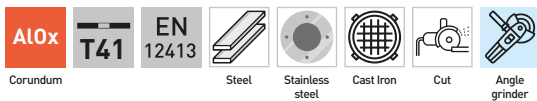
Corundum.



| Art. | Dimensions | Specification | Pack |
|-------------|-------------------|---------------|------|
| MTD6115/3.0 | 115 x 3,0 x 22 mm | A30-R-BF 80 | 25 |
| MTD6125/3.2 | 125 x 3,2 x 22 mm | A30-S-BF | 25 |
| MTD6230/3.0 | 230 x 3,0 x 22 mm | A30-R-BF 80 | 25 |


MTP4X
STRONG CUT CUTTING DISC

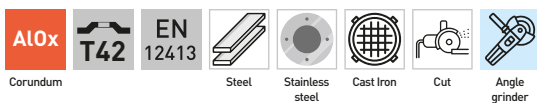
For general use. Designed for hobbyists, artisans and small businesses. Ideal on both steel and stainless steel. Excellent value for money.



| Art. | Dimensions | Specification | Pack |
|-------------|--------------------|---------------|------|
| MTP4075/1.5 | 75 x 1.5 x 9,53 mm | A60TBF | 100 |
| MTP4115/1.0 | 115 x 1.0 x 22 mm | A60TBF | 50 |
| MTP4115/1.3 | 115 x 1.3 x 22 mm | A60TBF | 50 |
| MTP4115/1.6 | 115 x 1.6 x 22 mm | A46TBF | 50 |
| MTP4125/1.0 | 125 x 1.0 x 22 mm | A60TBF | 50 |
| MTP4125/1.3 | 125 x 1.3 x 22 mm | A60TBF | 50 |
| MTP4125/1.6 | 125 x 1.6 x 22 mm | A46TBF | 50 |
| MTP4230/2.0 | 230 x 2.0 x 22 mm | A46TBF | 25 |
| MTP4350/3.0 | 350 x 3.0 x 22 mm | A30SBF | 10 |


MTD4X
STRONG CUT CUTTING DISC

For general use. Designed for hobbyists, artisans and small businesses. Ideal on both steel and stainless steel. Excellent value for money.



| Art. | Dimensions | Specification | Pack |
|-------------|-------------------|---------------|------|
| MTD4115/3.0 | 115 x 3.0 x 22 mm | A30SBF | 50 |
| MTD4125/3.0 | 125 x 3.0 x 22 mm | A30SBF | 50 |
| MTD4180/3.0 | 180 x 3.0 x 22 mm | A30SBF | 25 |
| MTD4230/3.0 | 230 x 3.0 x 22 mm | A30SBF | 25 |

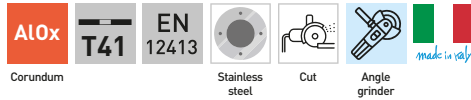




MTP9X

INOX CUTTING DISC

For specific uses. Designed for stainless steel professionals who require a large number of high quality cuts. They boast a helical rib conformation on both sides that allows for a faster and colder cut.



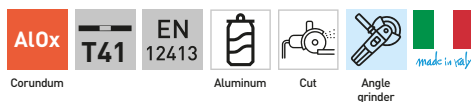
| Art. | Dimensions | Specification | Pack |
|-------------|-------------------|---------------|------|
| MTP9115/1.0 | 115 x 1,0 x 22 mm | A60SX | 25 |
| MTP9115/1.3 | 115 x 1,3 x 22 mm | A60SX | 25 |
| MTP9115/1.6 | 115 x 1,6 x 22 mm | A60SX | 25 |
| MTP9125/1.0 | 125 x 1,0 x 22 mm | A60SX | 25 |
| MTP9125/1.3 | 125 x 1,3 x 22 mm | A60SX | 25 |
| MTP9125/1.6 | 125 x 1,6 x 22 mm | A60SX | 25 |
| MTP9230/2.0 | 230 x 2,0 x 22 mm | A60SX | 25 |



MTP7X

PROFESSIONAL CUTTING DISC FOR ALUMINIUM

For specific uses. Designed for aluminum professionals and window fabricators. Ideal on aluminum extrusions, in light alloy foundries and a large number of high quality cuts are required. It boasts a helical rib conformation on both sides that allows for a faster and colder cut, with low clogging.



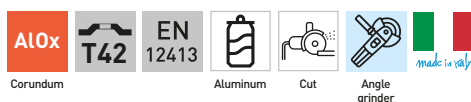
| Art. | Dimensions | Specification | Pack |
|-------------|-------------------|---------------|------|
| MTP7115/1.3 | 115 x 1,3 x 22 mm | A-60-QAL | 25 |
| MTP7125/1.3 | 125 x 1,3 x 22 mm | A-60-QAL | 25 |



MTD7X

PROFESSIONAL CUTTING DISC FOR ALUMINIUM

For specific uses. Designed for aluminum professionals and window fabricators. Ideal on aluminum extrusions, in light alloy foundries and a large number of high quality cuts are required. Long life and constant performance thanks to the addition of specific anti-clogging additives



| Art. | Dimensions | Specification | Pack |
|-------------|-------------------|---------------|------|
| MTD7230/3.2 | 230 x 3,2 x 22 mm | A-30-36-QAL | 25 |



ZSD8X

PROFESSIONAL ZIRCONIUM GRINDING DISC

For specific and heavy uses. Designed for professional use. Ideal for fast removal of weld seams, caulking, removal of calamine and pipes (see oil & gas). Has also applications on cast iron, stainless steel forged materials.



| Art. | Dimensions | Specification | Pack |
|-------------|-------------------|---------------|------|
| ZSD8115/7.0 | 115 x 7,0 x 22 mm | ZA-60-SXBF | 25 |
| ZSD8125/7.0 | 125 x 7,0 x 22 mm | ZA-60-SXBF | 25 |
| ZSD8230/7.0 | 230 x 7,0 x 22 mm | ZA-60-SXBF | 25 |



MSD8X

PROFESSIONAL GRINDING DISC

For specific uses. Designed for professionals who need high removal capacity and fatigue resistance. Ideal on plates with calamine, for removing important beads and burrs.



| Art. | Dimensions | Specification | Pack |
|-------------|-------------------|---------------|------|
| MSD8115/6.5 | 115 x 6,5 x 22 mm | A-Q | 25 |
| MSD8125/6.5 | 125 x 6,5 x 22 mm | A-Q | 25 |
| MSD8230/7.0 | 230 x 7,0 x 22 mm | A-Q | 25 |



MSD6X

PERFORMANCE GRINDING DISC

For general use. Designed for artisans and small businesses. With good quality on weld seams, plates with calamine and deburring in general.



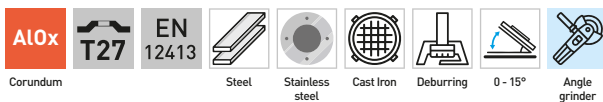
| Art. | Dimensions | Specification | Pack |
|-------------|-------------------|---------------|------|
| MSD6115/6.0 | 115 x 6,0 x 22 mm | A24-R-BF 80 | 25 |
| MSD6125/6.5 | 125 x 6,5 x 22 mm | A30-S-BF | 25 |
| MSD6230/6.0 | 230 x 6,0 x 22 mm | A24-R-BF 80 | 25 |



MSD4X

STRONG CUT GRINDING DISC

For general use. Designed for hobbyists, artisans and small businesses. Ideal on both steel and stainless steel. Excellent value for money.



| Art. | Dimensions | Specification | Pack |
|-------------|-------------------|---------------|------|
| MSD4115/6.0 | 115 x 6,0 x 22 mm | A24RBF | 25 |
| MSD4125/6.0 | 125 x 6,0 x 22 mm | A24RBF | 25 |
| MSD4180/6.0 | 180 x 6,0 x 22 mm | A24RBF | 20 |
| MSD4230/6.0 | 230 x 6,0 x 22 mm | A24RBF | 15 |





M16X

GRINDING WHEELS

Pink corundum



A10x

Corundum

| Art. | Dimensions | Specifications |
|------|-----------------------|----------------|
| M159 | Ø 100 x 4,5 x 10 mm | GR80 |
| M160 | Ø 100 x 3,2 x 10 mm | GR80 |
| M163 | Ø 145 x 3,2 x 22,3 mm | GR 80 |
| M162 | Ø 145 x 4,7 x 22,3 mm | GR80 |

MGX

GREY CORUNDUM GRINDING WHEEL

For tough hard steels grinding, equipped with concentric reducers to adapt to all stationary machines.



A10x

Corundum



Roughing



Steel



Stainless steel



Deburring



Fixed grinder

| Art. | Dimensions | Grit | Max speed | Adapters |
|---------|------------------|------|-------------------|------------------------|
| MG01/36 | 150 x 20 x 32 mm | 36 | 4500 rpm 35 m/s | 12,7 - 16 - 20 - 25 mm |
| MG01/46 | 150 x 20 x 32 mm | 46 | 4500 rpm 35 m/s | 12,7 - 16 - 20 - 25 mm |
| MG01/60 | 150 x 20 x 32 mm | 60 | 4500 rpm 35 m/s | 12,7 - 16 - 20 - 25 mm |
| MG01/80 | 150 x 20 x 32 mm | 80 | 4500 rpm 35 m/s | 12,7 - 16 - 20 - 25 mm |
| MG02/36 | 200 x 20 x 32 mm | 36 | 3350 rpm 35 m/s | 12,7 - 16 - 20 - 25 mm |
| MG02/46 | 200 x 20 x 32 mm | 46 | 3350 rpm 35 m/s | 12,7 - 16 - 20 - 25 mm |
| MG02/60 | 200 x 20 x 32 mm | 60 | 3350 rpm 35 m/s | 12,7 - 16 - 20 - 25 mm |
| MG02/80 | 200 x 20 x 32 mm | 80 | 3350 rpm 35 m/s | 12,7 - 16 - 20 - 25 mm |
| MG03/36 | 200 x 25 x 32 mm | 36 | 3350 rpm 35 m/s | 12,7 - 16 - 20 - 25 mm |
| MG03/46 | 200 x 25 x 32 mm | 46 | 3350 rpm 35 m/s | 12,7 - 16 - 20 - 25 mm |
| MG03/60 | 200 x 25 x 32 mm | 60 | 3350 rpm 35 m/s | 12,7 - 16 - 20 - 25 mm |
| MG03/80 | 200 x 25 x 32 mm | 80 | 3350 rpm 35 m/s | 12,7 - 16 - 20 - 25 mm |
| MG04/36 | 250 x 25 x 32 mm | 36 | 3350 rpm 35 m/s | 12,7 - 16 - 20 - 25 mm |
| MG04/46 | 250 x 25 x 32 mm | 46 | 2650 rpm 35 m/s | 12,7 - 16 - 20 - 25 mm |
| MG04/60 | 250 x 25 x 32 mm | 60 | 2650 rpm 35 m/s | 12,7 - 16 - 20 - 25 mm |
| MG04/80 | 250 x 25 x 32 mm | 80 | 2650 rpm 35 m/s | 12,7 - 16 - 20 - 25 mm |
| MG06/80 | 200 x 40 x 20 mm | 80 | 3350 rpm 35 m/s | - |

MXV

SILICON CARBIDE GRINDING WHEEL

For high cutting and finishing, for alloy tool sharpening, equipped with concentric reducers to adapt to all stationary machines.



SiC

Silicon carbide



Aluminum



HM



Fixed grinder

| Art. | Dimensions | Grit | Max speed | Adapters |
|---------|------------------|------|-------------------|------------------------|
| MV01/80 | 150 x 20 x 32 mm | 80 | 4500 rpm 35 m/s | 12,7 - 16 - 20 - 25 mm |
| MV02/80 | 200 x 20 x 32 mm | 80 | 3350 rpm 35 m/s | 12,7 - 16 - 20 - 25 mm |
| MV03/80 | 200 x 25 x 32 mm | 80 | 3350 rpm 35 m/s | 12,7 - 16 - 20 - 25 mm |
| MV04/80 | 250 x 25 x 32 mm | 80 | 2650 rpm 35 m/s | 12,7 - 16 - 20 - 25 mm |

MBX

WHITE CORUNDUM GRINDING WHEEL

For steel finishing, equipped with concentric reducers to adapt to all stationary machines.



A10x

Corundum



Finishing



Steel



Stainless steel



HSS



Deburring

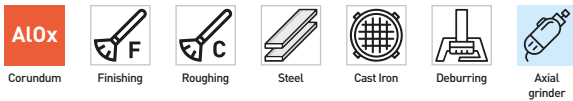


Fixed grinder

| Art. | Dimensions | Grit | Max speed | Adapters |
|---------|------------------|------|-------------------|------------------------|
| MB01/60 | 150 x 20 x 32 mm | 60 | 4500 rpm 35 m/s | 12,7 - 16 - 20 - 25 mm |
| MB02/60 | 200 x 20 x 32 mm | 60 | 3350 rpm 35 m/s | 12,7 - 16 - 20 - 25 mm |
| MB03/60 | 200 x 25 x 32 mm | 60 | 3350 rpm 35 m/s | 12,7 - 16 - 20 - 25 mm |
| MB04/60 | 250 x 25 x 32 mm | 60 | 2650 rpm 35 m/s | 12,7 - 16 - 20 - 25 mm |

MCGXA
VITRIFIED MOUNTED POINTS

Cylindrical shape "A" suited for grinding and finishing small or hard to reach surfaces: unhardened steels, alloyed steels, cast iron.

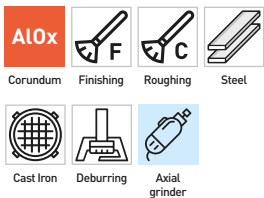


| Art. | Size | Shank | rpm max | Pack |
|-------------|--------------|-------|---------|------|
| MCG0306/03A | Ø 3 x 6 mm | 3 mm | 50000 | 25 |
| MCG0408/03A | Ø 4 x 8 mm | 3 mm | 50000 | 25 |
| MCG0510/03A | Ø 5 x 10 mm | 3 mm | 50000 | 25 |
| MCG0610/03A | Ø 6 x 10 mm | 3 mm | 47750 | 25 |
| MCG0610/06A | Ø 6 x 10 mm | 6 mm | 47750 | 25 |
| MCG0810/03A | Ø 8 x 10 mm | 3 mm | 38590 | 25 |
| MCG0810/06A | Ø 8 x 10 mm | 6 mm | 38590 | 25 |
| MCG1010/03A | Ø 10 x 10 mm | 3 mm | 28640 | 25 |
| MCG1010/06A | Ø 10 x 10 mm | 6 mm | 28640 | 25 |
| MCG1020/06A | Ø 10 x 20 mm | 6 mm | 28640 | 25 |

| Art. | Size | Shank | rpm max | Pack |
|-------------|--------------|-------|---------|------|
| MCG1520/06A | Ø 15 x 20 mm | 6 mm | 19000 | 25 |
| MCG1530/06A | Ø 15 x 30 mm | 6 mm | 19000 | 25 |
| MCG2020/06A | Ø 20 x 20 mm | 6 mm | 14320 | 25 |
| MCG2025/06A | Ø 20 x 25 mm | 6 mm | 14320 | 25 |
| MCG2030/06A | Ø 20 x 30 mm | 6 mm | 14320 | 25 |
| MCG2525/06A | Ø 25 x 25 mm | 6 mm | 11460 | 25 |
| MCG3030/06A | Ø 30 x 30 mm | 6 mm | 9540 | 25 |
| MCG4020/06A | Ø 40 x 20 mm | 6 mm | 7150 | 25 |
| MCG4040/06A | Ø 40 x 40 mm | 6 mm | 7150 | 25 |
| MCG5010/06A | Ø 50 x 10 mm | 6 mm | 5750 | 25 |

MCGXC
VITRIFIED MOUNTED POINTS

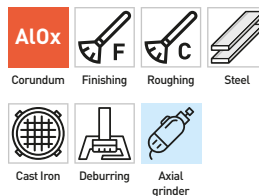
Conical shape "C" suited for grinding and finishing small or hard to reach surfaces: unhardened steels, alloyed steels, cast iron.



| Art. | Size | Shank | rpm max | Pack |
|-------------|------------|-------|---------|------|
| MCG1020/06C | 10 x 20 mm | 6 mm | 28640 | 25 |
| MCG1520/06C | 15 x 20 mm | 6 mm | 19000 | 25 |
| MCG1540/06C | 15 x 40 mm | 6 mm | 19000 | 25 |
| MCG2030/06C | 20 x 30 mm | 6 mm | 14320 | 25 |
| MCG2540/06C | 25 x 40 mm | 6 mm | 11460 | 25 |
| MCG3040/06C | 30 x 40 mm | 6 mm | 9540 | 25 |

MCGXS
VITRIFIED MOUNTED POINTS

Spherical shape "S" suited for grinding and finishing small or hard to reach surfaces: unhardened steels, alloyed steels, cast iron.



| Art. | Size | Shank | rpm max | Pack |
|-----------|---------|-------|---------|------|
| MCG10/06S | Ø 10 mm | 6 mm | 28640 | 25 |
| MCG15/06S | Ø 15 mm | 6 mm | 19000 | 25 |
| MCG20/06S | Ø 20 mm | 6 mm | 14320 | 25 |
| MCG25/06S | Ø 25 mm | 6 mm | 11460 | 25 |
| MCG30/06S | Ø 30 mm | 6 mm | 9540 | 25 |

MCG2050/06G
VITRIFIED MOUNTED POINTS

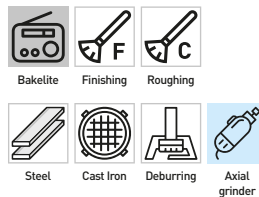
Ogive shape "G" suited for grinding and finishing small or hard to reach surfaces: unhardened steels, alloyed steels, cast iron.



| | |
|---------|--------------|
| Size | Ø 20 x 50 mm |
| Shank | 6 mm |
| rpm max | 14320 |
| Pack | 25 |

MBGXA
RESINOID BAKELITE POINTS

Conical shape "C" suited for grinding and finishing small or hard to reach surfaces: unhardened steels, alloyed steels, cast iron.



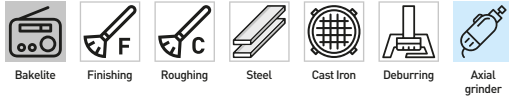
| Art. | Size | Shank |
|-------------|--------------|-------|
| MBG1030/06A | Ø 10 x 30 mm | 6 mm |
| MBG1530/06A | Ø 15 x 30 mm | 6 mm |
| MBG2020/06A | Ø 20 x 20 mm | 6 mm |
| MBG2030/06A | Ø 20 x 30 mm | 6 mm |
| MBG2040/06A | Ø 20 x 40 mm | 6 mm |
| MBG2525/06A | Ø 25 x 25 mm | 6 mm |
| MBG2535/06A | Ø 25 x 35 mm | 6 mm |
| MBG3010/06A | Ø 30 x 10 mm | 6 mm |
| MBG3030/06A | Ø 30 x 30 mm | 6 mm |
| MBG4020/06A | Ø 40 x 20 mm | 6 mm |
| MBG4035/06A | Ø 40 x 35 mm | 6 mm |
| MBG5010/06A | Ø 50 x 10 mm | 6 mm |



MBGXC

RESINOID BAKELITE POINTS

Conical shape "C" suited for grinding and finishing small or hard to reach surfaces: unhardened steels, alloyed steels, cast iron.



| Art. | Size | Stem |
|-------------|--------------|------|
| MBG1540/06C | Ø 15 x 40 mm | 6 mm |
| MBG2040/06C | Ø 20 x 40 mm | 6 mm |
| MBG2535/06C | Ø 25 x 35 mm | 6 mm |

0816

SHARPENING STONE (SILICON CARBIDE)



SiC

Silicon carbide

Dimensions 200 x 50 x 25h mm

D100

PEN TYPE DIAMOND DRESSER

Natural type.



Diamond

| | |
|--------|---------|
| Stem | Ø 10 mm |
| Length | 48 mm |
| Carats | 1 |

0163

MOUNTED GRINDING SET



10 Pcs

Stem Ø 3 - 6 mm

0817

SHARPENING STONE (ALUMINUM OXIDE)



AlOx

Corundum

Dimensions 200 x 50 x 25h mm

D100/S

PEN TYPE DIAMOND DRESSER

Sintetic type.



Diamond

| | |
|--------|---------|
| Stem | Ø 10 mm |
| Length | 48 mm |
| Carats | 1 |

D045-

DIAMOND SAW BLADES CONTINUOUS RIM

General use, for cutting: marble, tiles, ceramics - wet applications.



| Art. | Diameter | Hole | Diamond height | Cut thickness | rpm max |
|----------|----------|-----------|----------------|---------------|---------|
| D045/115 | Ø 115 mm | Ø 22,2 mm | 5 mm | 2.0 | 13300 |
| D045/180 | Ø 180 mm | Ø 22,2 mm | 5 mm | 2.4 | 8500 |
| D045/230 | Ø 230 mm | Ø 22,2 mm | 5 mm | 2.8 | 6600 |



D070-
PROFESSIONAL DIAMOND SAW BLADES FOR PORCELAIN GRES, TILES, HARD CERAMICS

Specialized for cutting porcelain gres, klinker, travertine, tiles, clay tiles, ceramics, marble dry and wet applications.



| Art. | Diameter | Hole | Diamond height | Cut thickness | rpm max |
|----------|----------|-----------|----------------|---------------|---------|
| D070/115 | Ø 115 mm | Ø 22,2 mm | 10 mm | 1.3 mm | 13300 |
| D070/180 | Ø 180 mm | Ø 22,2 mm | 10 mm | 1.6 mm | 8500 |
| D070/230 | Ø 230 mm | Ø 22,2 mm | 10 mm | 2.0 mm | 6600 |


D060-
PROFESSIONAL VENTILATED DIAMOND DISCS

Long life, for cutting concrete, marble, tiles, stone dry and wet applications.



| Art. | Diameter | Hole | Diamond height | Cut thickness | rpm max |
|----------|----------|-----------|----------------|---------------|---------|
| D060/115 | Ø 115 mm | Ø 22,2 mm | 10 mm | 1.4 mm | 13300 |
| D060/180 | Ø 180 mm | Ø 22,2 mm | 10 mm | 1.8 mm | 8500 |
| D060/230 | Ø 230 mm | Ø 22,2 mm | 10 mm | 2.4 mm | 6600 |


D059-
VENTILATED DIAMOND SAW BLADES

General use, for cutting: concrete, marble, tiles, stone dry and wet applications.



| Art. | Diameter | Hole | Diamond height | Cut thickness | rpm max |
|----------|----------|-----------|----------------|---------------|---------|
| D059/115 | Ø 115 mm | Ø 22,2 mm | 7 mm | 2.0 mm | 13300 |
| D059/180 | Ø 180 mm | Ø 22,2 mm | 7 mm | 2.4 mm | 8500 |
| D059/230 | Ø 230 mm | Ø 22,2 mm | 7 mm | 2.8 mm | 6600 |


D055-
PROFESSIONAL SEGMENTED VENTILATED DIAMOND DISCS

Long life, for cutting concrete, marble, stone dry application.



| Art. | Diameter | Hole | Diamond height | Segments | Cut thickness | rpm max |
|----------|----------|-----------|----------------|----------|---------------|---------|
| D055/115 | Ø 115 mm | Ø 22,2 mm | 10 mm | 9 | 1.9 mm | 13300 |
| D055/180 | Ø 180 mm | Ø 22,2 mm | 10 mm | 14 | 2.2 mm | 8500 |
| D055/230 | Ø 230 mm | Ø 22,2 mm | 10 mm | 18 | 2.6 mm | 6600 |

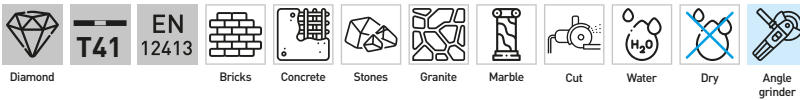


**D054-****SEGMENTED VENTILATED DIAMOND DISCS**

General use, for cutting concrete, marble, stone dry application.



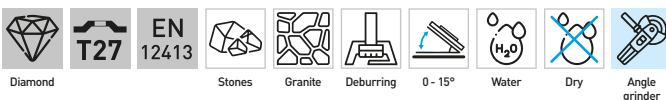
| Art. | Diameter | Hole | Diamond height | Segments | Cut thickness | rpm max |
|----------|----------|-----------|----------------|----------|---------------|---------|
| D054/115 | ø 115 mm | ø 22,2 mm | 7 mm | 9 | 2.0 | 13300 |
| D054/180 | ø 180 mm | ø 22,2 mm | 7 mm | 14 | 2.4 | 8500 |
| D054/230 | ø 230 mm | ø 22,2 mm | 7 mm | 18 | 2.8 | 6600 |

**0350****SUPER TURBO DIAMOND BLADE**

| | |
|------------|-----------|
| Dimensions | ø 230 mm |
| Hole | ø 22,2 mm |

**0709****SUPER TURBO DIAMOND BLADE**

| | |
|------------|-----------|
| Dimensions | ø 115 mm |
| Hole | ø 22,2 mm |

**0833****TURBO POLISHING DIAMOND CUP WHEEL FOR GRANITE AND STONE**

| | |
|------------|-----------|
| Dimensions | ø 100 mm |
| Hole | ø 22,2 mm |

**D040-****DIAMOND CUP WHEEL**

General use, for porcelain gres, klinker, travertine, tiles, clay tiles, ceramics, marble dry and wet applications.








| Art. | Diameter | Hole | Segments | rpm max |
|----------|----------|-----------|----------|---------|
| D040/115 | ø 115 mm | ø 22,2 mm | 8 + 8 | 13300 |
| D040/180 | ø 180 mm | ø 22,2 mm | 14 + 14 | 8500 |










WORKSHOP FURNITURE

- p. 319  Modular furnishings
- p. 327  Workbenches
- p. 329  Cabinets
- p. 333  Tool rolling cabinets
- p. 337  Tool boxes



BENCH VICES, CLAMPS AND ANVILS

- p. 342  Bench vices
- p. 344  Vices
- p. 345  Anvils






MACHINERY FOR FINISHING

- p. 348  Sandblast cabinets
- p. 355  Cleaning tanks
- p. 358  Vacuum cleaners wet and dry
- p. 361  Marking




PRESSES AND HYDRAULIC PUMPS

- p. 365  Hydraulic presses
- p. 367  Manual presses
- p. 368  Hydraulic pump units









CAR AND MOTORCYCLE WORKSHOP

- p. 370  Trolley jacks and stands
- p. 372  Hydraulic cranes and engine stands
- p. 374  Oil collecting units
- p. 375  Winches
- p. 376  Motorcycle and quad lifts
- p. 378  Trolleys



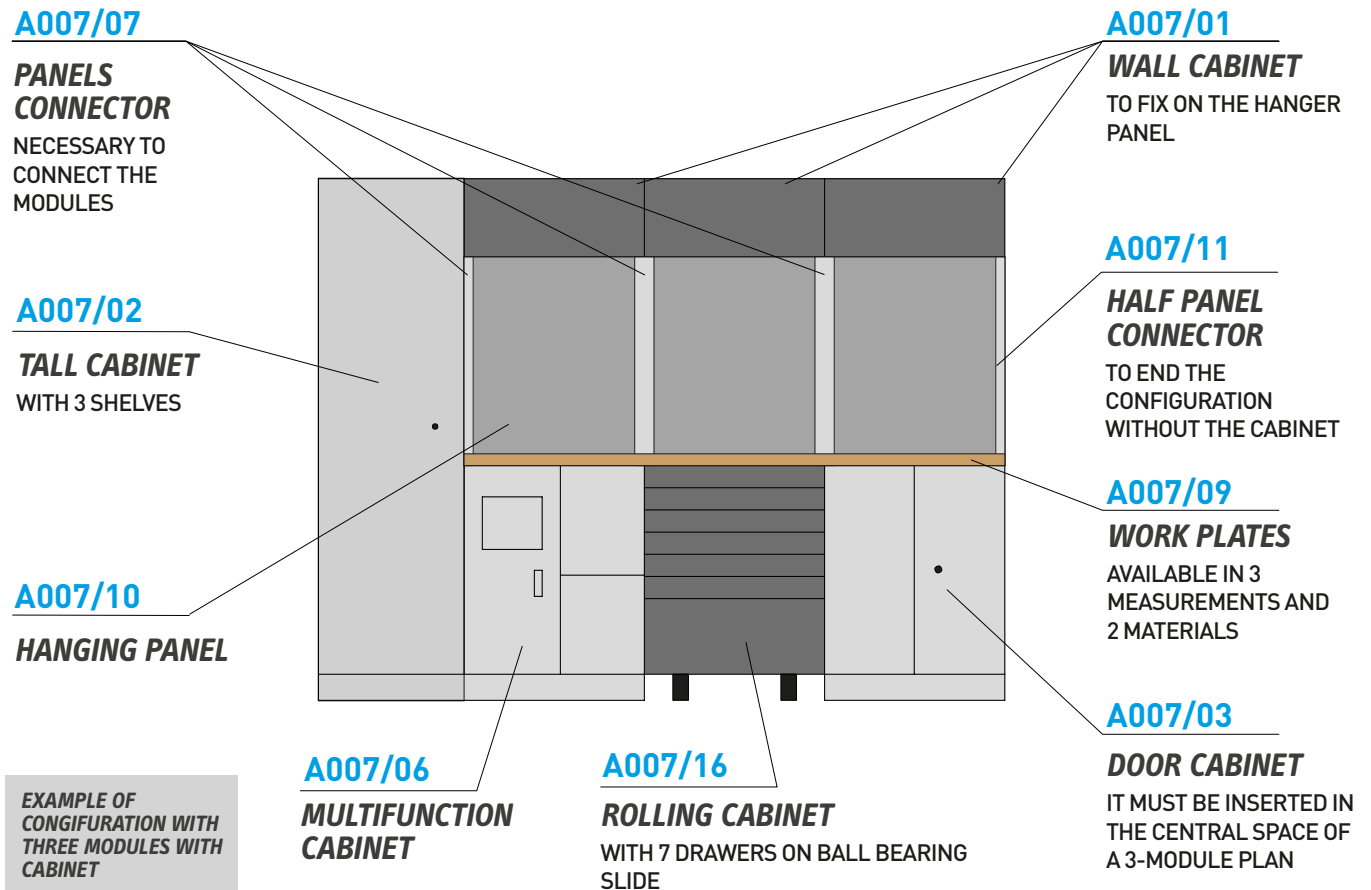
LIFTING AND HANDLING

- p. 379  Hydraulic jacks
- p. 380  Trolleys
- p. 383  Cable hoists
- p. 384  Lifting accessories
- p. 387  Winches and tensioners
- p. 388  Pallet handling



THE OPTIMAL SOLUTION TO FURNISH YOUR WORKSHOP, YOUR GARAGE OR YOUR RACING CORNER

CHOOSE FROM THE COMPOSITIONS CREATED FOR YOU BY FERVI OR CONFIGURE YOUR MODULAR AND SELF-SUPPORTING WORKSHOP FURNITURE ACCORDING TO YOUR NEEDS



EXAMPLE OF CONFIGURATION WITH THREE MODULES WITH CABINET

A007A
WORKSHOP MODULAR FURNITURES

The optimal solution to furnish your workshop, your garage or your racing corner.

- 4 WALL CABINET WITH SPRING GAS [A007/01]
- 2 TALL CABINETS WITH 3 SHELVES [A007/02]
- 1 DOOR CABINET WITH ONE SHELF [A007/03]
- 1 TOOL CABINET WITH 4 DRAWERS ON BALL BEARING SLIDE [A007/04]
- 2 TOOL CABINETS WITH 5 DRAWERS ON BALL BEARING SLIDES [A007/05]
- 5 PANELS CONNECTORS [A007/07]
- 2 WOOD PLATES [A007/08]
- 4 HANGING PANELS [A007/10]

Dimensions 3920 x 498 x 2000h mm


A008A
WITH STAINLESS STEEL PLATES
A007B
WORKSHOP MODULAR FURNITURES

The optimal solution to furnish your workshop, your garage or your racing corner.

- 4 WALL CABINET WITH SPRING GAS [A007/01]
- 2 TALL CABINETS WITH 3 SHELVES [A007/02]
- 1 DOOR CABINET WITH ONE SHELF [A007/03]
- 2 TOOL CABINETS WITH 5 DRAWERS ON BALL BEARING SLIDES [A007/05]
- 1 MULTIFUNCTION CABINET [A007/06]
- 5 PANELS CONNECTORS [A007/07]
- 2 WOOD PLATES [A007/08]
- 4 HANGING PANELS [A007/10]

Dimensions 3920 x 498 x 2000h mm


A008B
WITH STAINLESS STEEL PLATES
A007C
WORKSHOP MODULAR FURNITURES

The optimal solution to furnish your workshop, your garage or your racing corner.

- 2 WALL CABINET WITH SPRING GAS [A007/01]
- 1 TALL CABINET WITH 3 SHELVES [A007/02]
- 1 DOOR CABINET WITH ONE SHELF [A007/03]
- 1 TOOL CABINETS WITH 5 DRAWERS ON BALL BEARING SLIDES [A007/05]
- 2 HANGING PANELS [A007/10] 2
- PANELS CONNECTORS [A007/07]
- 1 WOOD PLATE [A007/08]
- 2 HANGING PANELS [A007/10]
- 1 HALF PANEL CONNECTOR [A007/11]

Dimensions 1960 x 498 x 2000h mm


A008C
WITH STAINLESS STEEL PLATES
A007D
WORKSHOP MODULAR FURNITURES

The optimal solution to furnish your workshop, your garage or your racing corner.

- 3 WALL CABINET WITH SPRING GAS [A007/01]
- 1 TALL CABINET WITH 3 SHELVES [A007/02]
- 1 DOOR CABINET WITH ONE SHELF [A007/03]
- 1 TOOL CABINET WITH 4 DRAWERS ON BALL BEARING SLIDE [A007/04]
- 1 TOOL CABINETS WITH 5 DRAWERS ON BALL BEARING SLIDES [A007/05]
- 3 PANELS CONNECTORS [A007/07]
- 1 WOOD PLATE [A007/09]
- 3 HANGING PANELS [A007/10]
- 1 HALF PANEL CONNECTOR [A007/11]

Dimensions 2640 x 498 x 2000h mm


A008D
WITH STAINLESS STEEL PLATES

A007E
WORKSHOP MODULAR FURNITURES

The optimal solution to furnish your workshop, your garage or your racing corner.

- 3 WALL CABINET WITH SPRING GAS [A007/01]
- 1 TALL CABINET WITH 3 SHELVES [A007/02]
- 1 DOOR CABINET WITH ONE SHELF [A007/03]
- 1 MULTIFUNCTION CABINET [A007/06]
- 3 PANELS CONNECTORS [A007/07]
- 1 WOOD PLATE [A007/09]
- 3 HANGING PANELS [A007/10]
- 1 ROLLING CABINET WITH 7 DRAWERS ON BALL BEARING SLIDE [A007/16]

Dimensions 2640 x 498 x 2000h mm



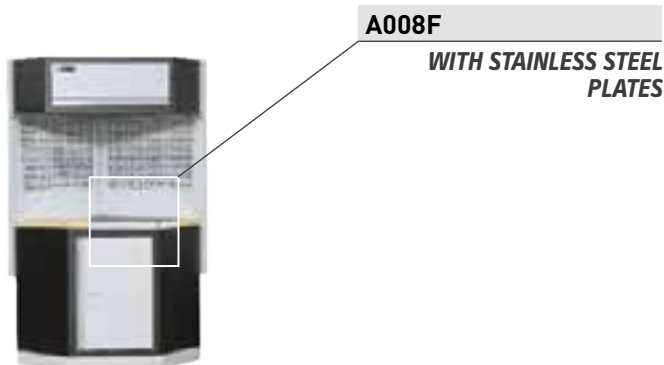
A008E
WITH STAINLESS STEEL PLATES

A007F
CORNER FOR WORKSHOP MODULAR FURNITURES

The optimal solution to furnish your workshop, your garage or your racing corner.

- 2 PANELS CONNECTORS [A007/07]
- 2 HALF PANEL CONNECTORS [A007/11]
- 2 CORNER HANGING PANELS [A007/12]
- 1 CORNER CABINET [A007/13]
- 1 CORNER WOOD PLATE [A007/14]
- 1 CORNER DOOR CABINET [A007/15]

Dimensions 864 x 864 x 2000h mm



A008F
WITH STAINLESS STEEL PLATES

A007G
WORKSHOP MODULAR FURNITURES

The optimal solution to furnish your workshop, your garage or your racing corner.

- 3 WALL CABINET WITH SPRING GAS [A007/01]
- 1 TALL CABINET WITH 3 SHELVES [A007/02]
- 1 DOOR CABINET WITH ONE SHELF [A007/03]
- 1 MULTIFUNCTION CABINET [A007/06]
- 3 PANELS CONNECTORS [A007/07]
- 1 WOOD PLATE [A007/09]
- 3 HANGING PANELS [A007/10]
- 1 HALF PANEL CONNECTOR [A007/11]
- 1 TOOL CABINETS WITH 7 DRAWERS ON BALL BEARING SLIDES [A007/1]

Dimensions 2640 x 498 x 2000h mm



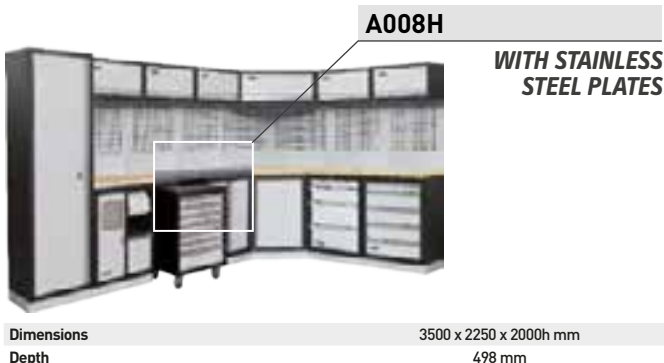
A008G
WITH STAINLESS STEEL PLATES

A007H
WORKSHOP MODULAR FURNITURES

The optimal solution to furnish your workshop, your garage or your racing corner.

- 5 WALL CABINET WITH SPRING GAS [A007/01]
- 1 TALL CABINETS WITH 3 SHELVES [A007/02]
- 1 DOOR CABINET WITH ONE SHELF [A007/03]
- 1 TOOL CABINET WITH 4 DRAWERS ON BALL BEARING SLIDE [A007/04]
- 1 TOOL CABINET WITH 5 DRAWERS ON BALL BEARING SLIDE [A007/05]
- 1 MULTI FUNCTION CABINET [A007/06]
- 6 PANELS CONNECTORS [A007/07]
- 1 WOOD PLATE [A007/08]
- 1 WOOD PLATE [A007/09]
- 5 HANGING PANELS [A007/10]
- 3 HALF PANEL CONNECTORS [A007/11]
- 2 CORNER HANGING PANELS [A007/12]
- 1 CORNER CABINET [A007/13]
- 1 CORNER WOOD PLATE [A007/14]
- 1 CORNER DOOR CABINET [A007/15]
- 1 ROLLING CABINET WITH 7 DRAWERS ON BALL BEARING SLIDE [A007/16]

Dimensions 3500 x 2250 x 2000h mm
Depth 498 mm



A008H
WITH STAINLESS STEEL PLATES



A007I

WORKSHOP MODULAR FURNITURES

The optimal solution to furnish your workshop, your garage or your racing corner.

- 2 WALL CABINET WITH SPRING GAS [A007/01]
- 1 TALL CABINETS WITH 3 SHELVES [A007/02]
- 1 MULTI FUNCTION CABINET [A007/06]
- 2 PANELS CONNECTORS [A007/07]
- 1 WOOD PLATE [A007/08]
- 2 HANGING PANELS [A007/10]
- 1 HALF PANEL CONNECTOR [A007/11]
- 1 TOOL CABINET WITH 7 DRAWERS ON BALL BEARING SLIDE [A007/17]

Dimensions 1960 x 498 x 2000h mm

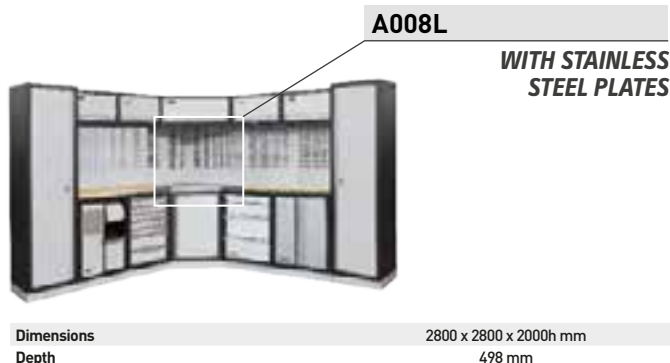


A007L

WORKSHOP MODULAR FURNITURES

The optimal solution to furnish your workshop, your garage or your racing corner.

- 4 WALL CABINET WITH SPRING GAS [A007/01]
- 2 TALL CABINETS WITH 3 SHELVES [A007/02]
- 1 DOOR CABINET WITH ONE SHELF [A007/03]
- 1 TOOL CABINET WITH 4 DRAWERS ON BALL BEARING SLIDE [A007/04]
- 1 MULTI FUNCTION CABINET [A007/06]
- 6 PANELS CONNECTORS [A007/07]
- 2 WOOD PLATES [A007/08]
- 4 HANGING PANELS [A007/10]
- 2 HALF PANEL CONNECTORS [A007/11]
- 2 CORNER HANGING PANELS [A007/12]
- 1 CORNER CABINET [A007/13]
- 1 CORNER WOOD PLATE [A007/14]
- 1 CORNER DOOR CABINET [A007/15]
- 1 TOOL CABINET WITH 7 DRAWERS ON BALL BEARING SLIDE [A007/17]



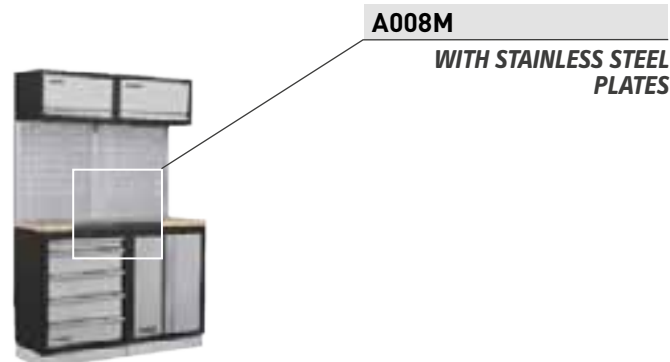
A007M

WORKSHOP MODULAR FURNITURES

The optimal solution to furnish your workshop, your garage or your racing corner.

- 2 WALL CABINET WITH SPRING GAS [A007/01]
- 1 DOOR CABINET WITH ONE SHELF [A007/03]
- 1 TOOL CABINET WITH 5 DRAWERS ON BALL BEARING SLIDE [A007/05]
- 2 PANELS CONNECTORS [A007/07]
- 1 WOOD PLATE [A007/08]
- 2 HANGING PANELS [A007/10]
- 2 HALF PANEL CONNECTORS [A007/11]

Dimensions 1360 x 498 x 2000h mm



A007N

WORKSHOP MODULAR FURNITURES

The optimal solution to furnish your workshop, your garage or your racing corner.

- 3 WALL CABINET WITH SPRING GAS [A007/01]
- 1 DOOR CABINET WITH ONE SHELF [A007/03]
- 1 TOOL CABINET WITH 4 DRAWERS ON BALL BEARING SLIDE [A007/04]
- 1 TOOL CABINET WITH 5 DRAWERS ON BALL BEARING SLIDE [A007/05]
- 3 PANELS CONNECTORS [A007/07]
- 1 WOOD PLATE [A007/09]
- 3 HANGING PANELS [A007/10]
- 2 HALF PANEL CONNECTORS [A007/11]

Dimensions 2040 x 498 x 2000h mm



A007P
WORKSHOP MODULAR FURNITURES

The optimal solution to furnish your workshop, your garage or your racing corner.

- 4 WALL CABINET WITH SPRING GAS [A007/01]
- 2 TALL CABINETS WITH 3 SHELVES [A007/02]
- 1 DOOR CABINET WITH ONE SHELF [A007/03]
- 1 MULTIFUNCTION CABINET [A007/06]
- 5 PANELS CONNECTORS [A007/07]
- 1 WOOD PLATE [A007/09]
- 4 HANGING PANELS [A007/10]
- 1 TOOL CABINET WITH 7 DRAWERS ON BALL BEARING SLIDES [A007/16]
- 1 WOOD PLATE [A007/19]
- 1 TOOL CABINET WITH 9 DRAWERS ON BALL BEARING SLIDES [A007/20]

Dimensions 3920 x 498 x 2000h mm

A008P

WITH STAINLESS STEEL PLATES


A007Q
WORKSHOP MODULAR FURNITURES

The optimal solution to furnish your workshop, your garage or your racing corner.

- 2 WALL CABINET WITH SPRING GAS [A007/01]
- 1 TALL CABINET WITH 3 SHELVES [A007/02]
- 1 TOOL CABINET WITH 4 DRAWERS ON BALL BEARING SLIDE [A007/04]
- 2 PANELS CONNECTORS [A007/07]
- 1 WOOD PLATE [A007/08]
- 2 HANGING PANELS [A007/10]
- 1 HALF PANEL CONNECTOR [A007/11]
- 1 TOOL CABINET WITH 9 DRAWERS ON BALL BEARING SLIDE [A007/20]

Dimensions 1960 x 498 x 2000h mm

A008Q

WITH STAINLESS STEEL PLATES


A007R
WORKSHOP MODULAR FURNITURES

The optimal solution to furnish your workshop, your garage or your racing corner.

- 1 WALL CABINET WITH SPRING GAS [A007/01]
- 2 PANELS CONNECTORS [A007/07]
- 1 HANGING PANEL [A007/10]
- 2 HALF PANEL CONNECTORS [A007/11]
- 1 WOOD PLATE [A007/19]
- 1 TOOL CABINET WITH 9 DRAWERS ON BALL BEARING SLIDE [A007/20]

Dimensions 680 x 498 x 2000h mm

A008R

WITH STAINLESS STEEL PLATES


A007S
WORKSHOP MODULAR FURNITURES

The optimal solution to furnish your workshop, your garage or your racing corner.

- 3 WALL CABINET WITH SPRING GAS [A007/01]
- 1 TALL CABINET WITH 3 SHELVES [A007/02]
- 1 DOOR CABINET WITH ONE SHELF [A007/03]
- 3 PANELS CONNECTORS [A007/07]
- 1 WOOD PLATE [A007/09]
- 3 HANGING PANELS [A007/10]
- 1 HALF PANEL CONNECTOR [A007/11]
- 1 TOOL CABINETS WITH 9 DRAWERS ON BALL BEARING SLIDES [A007/20]
- 1 TROLLEY WITH 3 SHELVES [A007/22]

Dimensions 2640 x 498 x 2000h mm

A008S

WITH STAINLESS STEEL PLATES



A007T
WORKSHOP MODULAR FURNITURES

The optimal solution to furnish your workshop, your garage or your racing corner.

- 2 WALL CABINET WITH SPRING GAS [A007/01]
- 1 DOOR CABINET WITH ONE SHELF [A007/03]
- 1 TOOL CABINETS WITH 5 DRAWERS ON BALL BEARING SLIDES [A007/05]
- 2 PANELS CONNECTORS [A007/07]
- 1 WOOD PLATE [A007/08]
- 2 HANGING PANELS [A007/10]
- 1 HALF PANEL CONNECTOR [A007/11]
- 1 2 DOOR TALL CABINET WITH 3 SHELVES [A007/23]

Dimensions 2275 x 498 x 2000h mm


A008T

WITH STAINLESS STEEL PLATES

A007U
WORKSHOP MODULAR FURNITURES

The optimal solution to furnish your workshop, your garage or your racing corner.

- 3 WALL CABINET WITH SPRING GAS [A007/01]
- 1 TALL CABINET WITH 3 SHELVES [A007/02]
- 1 DOOR CABINET WITH ONE SHELF [A007/03]
- 3 PANELS CONNECTORS [A007/07]
- 1 WOOD PLATE [A007/09]
- 3 HANGING PANELS [A007/10]
- 1 HALF PANEL CONNECTOR [A007/11]
- 1 TOOL CABINET WITH 7 DRAWERS ON BALL BEARING SLIDES [A007/17]
- 1 HOSE REELS CABINET [A007/18]

Dimensions 2640 x 498 x 2000h mm


A008U

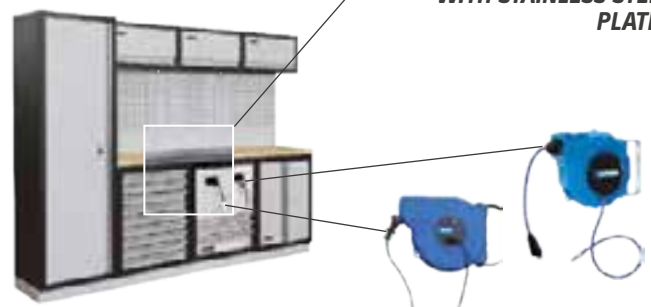
WITH STAINLESS STEEL PLATES

A007UF
WORKSHOP MODULAR FURNITURES

The optimal solution to furnish your workshop, your garage or your racing corner.

- 3 WALL CABINET WITH SPRING GAS [A007/01]
- 1 TALL CABINET WITH 3 SHELVES [A007/02]
- 1 DOOR CABINET WITH ONE SHELF [A007/03]
- 3 PANELS CONNECTORS [A007/07]
- 1 WOOD PLATE [A007/09]
- 3 HANGING PANELS [A007/10]
- 1 HALF PANEL CONNECTOR [A007/11]
- 1 TOOL CABINET WITH 7 DRAWERS ON BALL BEARING SLIDES [A007/17]
- 1 HOSE REELS CABINET [A007/18]
- 1 AUTO RE-ENTERING CABLE REEL [0621/A3]
- 1 AUTO REWIND AIR HOSE REEL [0481/15]

Dimensions 2640 x 498 x 2000h mm


A008UF

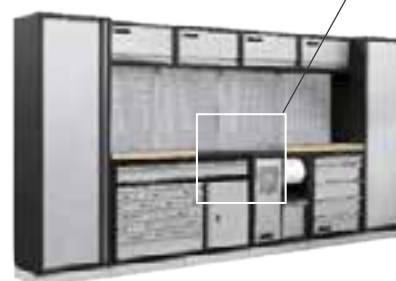
WITH STAINLESS STEEL PLATES

A007V
WORKSHOP MODULAR FURNITURES

The optimal solution to furnish your workshop, your garage or your racing corner.

- 4 WALL CABINET WITH SPRING GAS [A007/01]
- 2 TALL CABINETS WITH 3 SHELVES [A007/02]
- 1 TOOL CABINET WITH 5 DRAWERS ON BALL BEARING SLIDES [A007/05]
- 1 MULTIFUNCTION CABINET [A007/06]
- 5 PANELS CONNECTORS [A007/07]
- 1 WOOD PLATE [A007/08]
- 4 HANGING PANELS [A007/10]
- 1 LARGE AMERICAN TOOL CABINET [A007/21]

Dimensions 3920 x 498 x 2000h mm


A008V

WITH STAINLESS STEEL PLATES

A007/02
TALL CABINET

With 3 shelves.



| | |
|------------------|---------------------|
| Dimensions | 600 x 458 x 2000 mm |
| Door dimensions | 510 x 1810 mm |
| Internal depth | 410 mm |
| Maximum capacity | 180 kg |

A007/23
2 DOOR TALL CABINET

With 5 shelves.



| | |
|------------------|---------------------|
| Dimensions | 915 x 458 x 2000 mm |
| Door dimensions | 510 x 1810 mm |
| Internal depth | 410 mm |
| Maximum capacity | 300 kg |

A007/03
DOOR CABINET

With one shelf.



| | |
|------------------|--------------------|
| Dimensions | 680 x 458 x 910 mm |
| Door dimensions | 710 x 295 mm |
| Internal depth | 445 mm |
| Maximum capacity | 60 kg |

A007/06
MULTIFUNCTION CABINET


| | |
|---------------------------|--------------------|
| Dimensions | 680 x 458 x 910 mm |
| Door dimensions | 710 x 295 mm |
| Internal depth | 445 mm |
| Drawer dimensions | 240 x 300 mm |
| Maximum paper roll height | 240 mm |
| Maximum capacity | 90 kg |

A007/18
HOSE REELS CABINET


| | |
|-----------------|--------------------|
| Dimensions | 680 x 458 x 910 mm |
| Drawer capacity | 30 kg |

A007/04
TOOL CABINET WITH 4 DRAWERS

On ball bearing slide.



| | |
|-------------------|--|
| Dimensions | 680 x 458 x 910 mm |
| Drawer dimensions | 550 x 400 mm |
| Drawers height | 1 x 68 mm - 1 x 145 mm - 2 x 214 mm |
| Drawer capacity | 30 kg |

A007/05
TOOL CABINET WITH 5 DRAWERS

On ball bearing slide.



| | |
|-------------------|------------------------|
| Dimensions | 680 x 458 x 910 mm |
| Drawer dimensions | 550 x 400 mm |
| Drawers height | 1 x 68 mm - 4 x 145 mm |
| Drawer capacity | 30 kg |

A007/17
TOOL CABINET WITH 7 DRAWERS

On ball bearing slide.



| | |
|-------------------|----------------------------|
| Dimensions | 680 x 458 x 910 mm |
| Drawer dimensions | 550 x 400 mm |
| Drawers height | 5 x 74.5 mm - 2 x 153.5 mm |
| Drawer capacity | 30 kg |



A007/20

TOOL CABINET WITH 9 DRAWERS

On ball bearing slide.



| | |
|-------------------|--------------------|
| Dimensions | 680 x 458 x 910 mm |
| Drawer dimensions | 550 x 400 mm |
| Drawers height | 9 x 74,5 mm |
| Drawer capacity | 30 kg |

A007/16

ROLLING CABINET

With 7 drawers on ball bearing slide.



| | |
|-------------------|------------------------|
| Dimensions | 660 x 455 x 860 mm |
| Drawer dimensions | 525 x 400 mm |
| Internal depth | 6 x 68 mm - 1 x 145 mm |
| Drawer capacity | 30 kg |

A007/211

LARGE AMERICAN TOOL CABINET

With stainless steel top.



| | |
|-------------------|---|
| Dimensions | 1360 x 458 x 948,5 mm |
| Door dimensions | 535 x 430 mm |
| Drawer dimensions | 1 - 1285 x 400 mm 6 - 810 x 400 mm |
| Drawers height | 1 x 123,5 mm - 5 x 74,5 mm - 1 x 153,5 mm |
| Drawer capacity | 30 kg |

A007/10

HANGING PANEL



| | |
|------------------|----------------------|
| Dimensions | 1052 x 614,5 x 24 mm |
| Maximum capacity | 10 kg |

A007/22

TROLLEY

With 3 shelves.



| | |
|------------|--------------------|
| Dimensions | 648 x 458 x 865 mm |
|------------|--------------------|

A007/21

LARGE AMERICAN TOOL CABINET

With wooden top.



| | |
|-------------------|---|
| Dimensions | 1360 x 458 x 945 mm |
| Door dimensions | 535 x 430 mm |
| Drawer dimensions | 1 - 1285 x 400 mm 6 - 810 x 400 mm |
| Drawers height | 1 x 123,5 mm - 5 x 74,5 mm - 1 x 153,5 mm |
| Drawer capacity | 30 kg |

A007/01

WALL CABINET

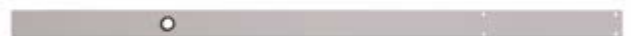
With spring gas.



| | |
|------------------|--------------------|
| Dimensions | 680 x 281 x 350 mm |
| Door dimensions | 610 x 280 mm |
| Internal depth | 280 mm |
| Maximum capacity | 15 kg |

A007/07

PANELS CONNECTOR



A007/11

HALF PANEL CONNECTOR



A007-xP
WORK PLATES

| Art. | Module | Material | Dimensions | Thickness |
|----------|--------|-----------------|---------------|-----------|
| A007/08 | 2 | Wood | 1360 x 460 mm | 35 mm |
| A007/08I | 2 | Stainless steel | 1360 x 460 mm | 35 mm |
| A007/09 | 3 | Wood | 2040 x 460 mm | 35 mm |
| A007/09I | 3 | Stainless steel | 2040 x 460 mm | 35 mm |
| A007/19 | 1 | Wood | 680 x 460 mm | 35 mm |
| A007/19I | 1 | Stainless steel | 680 x 460 mm | 35 mm |


A007/LED
LED LIGHT FOR WORKSHOP MODULAR FURNITURES

With bi-adhesive tape, to be used in coupling with A007/Led/C charger. Two Led strips can be connected in series.



Box

A007/LED/C
LED LIGHT POWER SUPPLY


Box

P40VD
FOOTBOARDS

Mountable, green draining self locking footboard.



Polyprop.

Dimensions 400 x 400 x 48 mm
Pcs. - Pallet 120 = 20 m²

PSV-F
POLYPROPYLENE SLIDE

Mountable for footboards, green, female (without hooks).



Polyprop.

Dimensions 205 x 400 x 48 mm

PSV-M
POLYPROPYLENE SLIDE

Mountable for footboards, green, male (with hooks).



Polyprop.

Dimensions 205 x 400 x 48 mm

PAV
CORNER SLIDES

For mountable polypropylene footboards, kit of 4 green corner slides.



4 Pcs

Polyprop.

Dimensions 200 x 200 x 270 x 48 mm



B015

STEEL WORKBENCH KIT

With steel top and two lockable drawers.

UPGRADE



| | |
|-------------------|----------------------|
| Bench dimensions | 1500 x 645 x 865h mm |
| Legs thickness | 1 mm |
| Plate thickness | 2 mm |
| Capacity | 800 kg |
| Drawer dimensions | 433 x 347 x 122h mm |
| Drawer capacity | 30 kg |
| Net weight | 62 kg |

B015/10

WORKBENCH KIT

With steel top and lockable drawer.

UPGRADE



| | |
|-------------------|----------------------|
| Dimensions | 1000 x 640 x 865h mm |
| Legs thickness | 2 mm |
| Plate thickness | 2 mm |
| Capacity | 600 kg |
| Drawer dimensions | 433 x 347 x 122h mm |
| Drawer capacity | 30 kg |
| Net weight | 55 kg |

B022/10

WORKBENCH KIT

With wood press top and a lockable drawer.

UPGRADE



| | |
|-------------------|----------------------|
| Dimensions | 1000 x 640 x 865h mm |
| Legs thickness | 2 mm |
| Plate thickness | 38 mm |
| Capacity | 350 kg |
| Drawer dimensions | 400 x 344 x 125h mm |
| Drawer capacity | 50 kg |
| Net weight | 47 kg |

B022/15

WORKBENCH KIT

With wood press top and 2 lockable drawers.

UPGRADE



| | |
|-------------------|----------------------|
| Dimensions | 1500 x 640 x 865h mm |
| Legs thickness | 2 mm |
| Plate thickness | 38 mm |
| Capacity | 350 kg |
| Drawer dimensions | 400 x 344 x 125h mm |
| Drawer capacity | 50 kg |
| Net weight | 75 kg |

B017/C

DRAWER RACK WITH LOCK

On ball bearing made of steel, suitable to benches of other brands.



| | |
|---------------------|--------------------|
| Overall dimensions | 680 x 270 x 130 mm |
| Internal dimensions | 640 x 260 x 90 mm |
| Capacity | 18,5 kg |
| Net weight | 4,3 kg |



B009/A1
WORKBENCH KIT

With wood press top, 3 lockable drawers, 1 shelf and adjustable feet.



| | |
|-----------------|----------------------|
| Dimensions | 1200 x 600 x 865h mm |
| Legs thickness | 2 mm |
| Plate thickness | 36 mm |
| Capacity | 350 kg |
| Net weight | 62 kg |

B009/B1
WORKBENCH KIT

With wood press top, 3 lockable drawers, 1 shelf with door and adjustable feet.



| | |
|-----------------|----------------------|
| Dimensions | 1200 x 600 x 865h mm |
| Legs thickness | 2 mm |
| Plate thickness | 36 mm |
| Capacity | 350 kg |
| Net weight | 64,5 kg |

B009/A2
WORKBENCH KIT

With wood press top, 3 lockable drawers, 1 door and shelf and adjustable feet



| | |
|-----------------|---------------------|
| Dimensions | 1690 x 600 x 865 mm |
| Legs thickness | 2 mm |
| Plate thickness | 36 mm |
| Capacity | 350 kg |
| Net weight | 84 kg |

B009/B2
WORKBENCH KIT

With wood press top, 3 lockable drawers, 2 shelves with door and adjustable feet



| | |
|-----------------|---------------------|
| Dimensions | 1690 x 600 x 865 mm |
| Legs thickness | 2 mm |
| Plate thickness | 36 mm |
| Capacity | 350 kg |
| Net weight | 90 kg |

B019
FOLDABLE HEAVY DUTY WORKBENCH

 Made of steel, tear down structure with 2 powerful gas struts, peg board 1195 x 458 x 20 mm, main leg height 1380 mm, total width for the product 1280 mm, depth of the open/close product 648/130 mm at a height of 330 mm, auto-lock with handle in the corner of top plate, peg board with holes \varnothing 4 mm, distance between centers holes 25 mm for hooks with wire \varnothing 3 mm.


| | |
|------------------|--------------------|
| Plate Dimensions | 1195 x 648 x 41 mm |
| Slot distance | 25 mm |
| Capacity | 225 kg |
| Net weight | 45 kg |

B019/G030
HOOK SET


10 Pcs

| | |
|----------------------|-------|
| Length | 30 mm |
| Pins center distance | 25 mm |


Gx
HOOKS SET


10 Pcs

| | | |
|------|----------------------|--------|
| Art. | Pins center distance | Length |
| G050 | 30 mm | 80 mm |
| G130 | 30 mm | 155 mm |

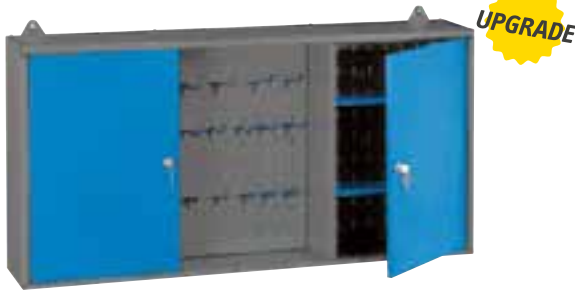




P009

WALLCABINET KIT

With 18 hooks included.



| | |
|--------------------|----------------------|
| Cabinet dimensions | 1200 x 200 x 600h mm |
| Steel thickness | 0,8 mm |
| Internal shelves | 4 |
| Hooks | 18 (6 + 6 + 6) |
| Slot distance | 30 mm |
| Net weight | 17 kg |

A100

CABINET

With 1 drawer, slide on bearing with locking device.



| | |
|--------------------|----------------------|
| Cabinet dimensions | 500 x 460 x 1000h mm |
| Steel thickness | 1 mm |
| Internal shelves | 2 |
| Maximum capacity | 100 kg |
| Shelf capacity | 25 kg |
| Net weight | 35 kg |

A300

CABINET

With 2 drawers, slide on ball bearing with locking device.



| | |
|--------------------|-----------------------|
| Cabinet dimensions | 1000 x 460 x 1000h mm |
| Steel thickness | 1 mm |
| Internal shelves | 2 |
| Maximum capacity | 150 kg |
| Shelf capacity | 25 kg |
| Net weight | 62 kg |

C800

TOOL CABINET

With 8 drawers, slide on bearing with locking device, without internal dividers.



| | |
|---------------------|---------------------|
| Drawer capacity | 50 kg |
| External Dimensions | 630 x 550 x 930h mm |
| Drawer dimensions | 517 x 440 mm |
| Drawers height | 8 x 73 mm |
| Net weight | 58 kg |

C600

TOOL CABINET

With 6 drawers, slide on bearing with locking device, without internal dividers.



| | |
|---------------------|---------------------|
| Drawer capacity | 50 kg |
| External Dimensions | 630 x 550 x 930h mm |
| Drawer dimensions | 517 x 440 mm |
| Drawers height | 6 x 115 mm |
| Net weight | 53 kg |

C603

TOOL CABINET

With 6 drawers, slide on bearing with locking device, without internal dividers.



| | |
|---------------------|-------------------------------------|
| Drawer capacity | 50 kg |
| External Dimensions | 630 x 550 x 930h mm |
| Drawer dimensions | 517 x 440 mm |
| Drawers height | 3 x 73 mm - 2 x 115 mm - 1 x 175 mm |
| Net weight | 53,5 kg |

C800-
"A" DRAWER DIVIDERS

Example dividers setting.



10 Pcs

| Art. | Longitudinal divider | Transversal divider |
|---------|----------------------|---------------------|
| C800/CC | 440 x 70h mm | - |
| C800/LL | - | 517 x 70h mm |


C600-
"B" DRAWER DIVIDERS

Example dividers setting.



10 Pcs

| Art. | Longitudinal divider | Transversal divider |
|--------|----------------------|---------------------|
| C600/C | 440 x 110h mm | - |
| C600/L | - | 120 x 110h mm |


C603-
"C" DRAWER DIVIDERS

Example dividers setting.



10 Pcs

| Art. | Longitudinal divider | Transversal divider |
|--------|----------------------|---------------------|
| C603/C | 440 x 165h mm | - |
| C603/L | - | 120 x 165h mm |


C080-
DRAWER UNITS WITH TRANSPARENT PULL-OUT DRAWERS

Modular and stackable



| Art. | External Dimensions | Drawer dimensions | Drawers number |
|--------|---------------------|--------------------|----------------|
| C080/3 | 382 x 290 x 230h mm | 372 x 285 x 73h mm | 3 |
| C080/6 | 382 x 290 x 230h mm | 184 x 285 x 73h mm | 6 |
| C080/9 | 382 x 290 x 230h mm | 122 x 285 x 73h mm | 9 |

C700
STEEL STORAGE CHEST WITH PLASTIC CASES

Lower box with key lock and upper zone with 7 tool boxes with central lock 4 x C360 + 3 x C371.



| | |
|------------|---------------------|
| Dimensions | 490 x 343 x 987h mm |
| Net weight | 27 kg |

C085-
DRAWER UNITS WITH TRANSPARENT PULL-OUT DRAWERS

Modular and stackable.



| Art. | External Dimensions | Drawer dimensions | Drawers number |
|---------|---------------------|--------------------|----------------|
| C085/12 | 382 x 148 x 230h mm | 122 x 145 x 55h mm | 12 |
| C085/16 | 382 x 148 x 230h mm | 90 x 145 x 55h mm | 16 |
| C085/24 | 382 x 148 x 230h mm | 59 x 145 x 55h mm | 24 |



C086/01C

MODULAR DRAWER UNIT WITH PULL-OUT DRAWERS

Connectable with other drawers through guides to create infinite combinations. Equipped with drawer locking to prevent the contents from accidentally falling and rear fixing holes for wall mounting. Made of resistant plastic, it is suitable for use in the construction site, at home and in the workshop.



| | |
|-------------------|---------------------|
| Dimensions | 295 x 165 x 200h mm |
| Drawers number | 1 |
| Drawer dimensions | 250 x 150 x 150 mm |



C086/01T

MODULAR DRAWER UNIT WITH PULL-OUT TRAYS

Connectable with other drawers through guides to create infinite combinations. Equipped with trays locking to prevent the contents from accidentally falling and rear fixing holes for wall mounting. Made of resistant plastic, it is suitable for use in the construction site, at home and in the workshop.



| | |
|-------------------|---------------------|
| Dimensions | 295 x 165 x 200h mm |
| Drawers number | 1 |
| Drawer dimensions | 250 x 160 x 150 mm |

C086/02C

MODULAR DRAWER UNIT WITH PULL-OUT DRAWERS

Connectable with other drawers through guides to create infinite combinations. Equipped with drawer locking to prevent the contents from accidentally falling and rear fixing holes for wall mounting. Made of resistant plastic, it is suitable for use in the construction site, at home and in the workshop.

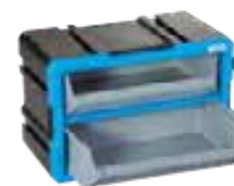


| | |
|-------------------|---------------------|
| Dimensions | 295 x 165 x 200h mm |
| Drawers number | 2 |
| Drawer dimensions | 250 x 160 x 70 mm |

C086/02T

MODULAR DRAWER UNIT WITH PULL-OUT TRAYS

Connectable with other drawers through guides to create infinite combinations. Equipped with trays locking to prevent the contents from accidentally falling and rear fixing holes for wall mounting. Made of resistant plastic, it is suitable for use in the construction site, at home and in the workshop.



| | |
|-------------------|---------------------|
| Dimensions | 295 x 165 x 200h mm |
| Drawers number | 2 |
| Drawer dimensions | 250 x 160 x 70 mm |

C086/04C

MODULAR DRAWER UNIT WITH PULL-OUT DRAWERS

Connectable with other drawers through guides to create infinite combinations. Equipped with drawer locking to prevent the contents from accidentally falling and rear fixing holes for wall mounting. Made of resistant plastic, it is suitable for use in the construction site, at home and in the workshop.



| | |
|-------------------|--------------------|
| Dimensions | 300 x 200 x 165 mm |
| Drawers number | 4 |
| Drawer dimensions | 120 x 160 x 70 mm |

C086/04T

MODULAR DRAWER UNIT WITH PULL-OUT TRAYS

Connectable with other drawers through guides to create infinite combinations. Equipped with trays locking to prevent the contents from accidentally falling and rear fixing holes for wall mounting. Made of resistant plastic, it is suitable for use in the construction site, at home and in the workshop.



| | |
|-------------------|---------------------|
| Dimensions | 295 x 165 x 200h mm |
| Drawers number | 4 |
| Drawer dimensions | 120 x 160 x 70 mm |

C086/12C

MODULAR DRAWER UNIT WITH PULL-OUT DRAWERS

Connectable with other drawers through guides to create infinite combinations. Equipped with drawer locking to prevent the contents from accidentally falling and rear fixing holes for wall mounting. Made of resistant plastic, it is suitable for use in the construction site, at home and in the workshop.



| | |
|-------------------|---------------------|
| Dimensions | 295 x 165 x 200h mm |
| Drawers number | 12 |
| Drawer dimensions | 60 x 160 x 50 mm |

C086/04C/D

DIVIDER KIT FOR MODULAR DRAWER UNIT



| | |
|------------|-------------|
| Dimensions | 111 x 63 mm |
| Pack | 5 |



C086/12C/D

DIVIDER KIT FOR MODULAR DRAWER UNIT



| | |
|------------|--------------|
| Dimensions | 49.5 x 41 mm |
| Pack | 5 |



C090-
UNIVERSAL STORAGE BIN

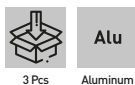
Modular and stackable.



| Art. | Dimensions |
|--------|---------------------|
| C090/2 | 108 x 167 x 75h mm |
| C090/3 | 151 x 237 x 126h mm |
| C090/4 | 213 x 350 x 164h mm |
| C090/5 | 310 x 490 x 190h mm |
| C090/6 | 380 x 610 x 250h mm |

0849
ALUMINUM CASE SET

Ergonomic handles and lock with key.



| | |
|------------------|---|
| Cases dimensions | 730 x 380 x 360h mm - 680 x 310 x 320h mm - 475 x 260 x 210h mm |
| Net weight | 14 kg |

0382-
ALUMINUM CASE

With key lock.



| Art. | External Dimensions | Internal dimensions | Net weight |
|---------|---|---|------------|
| 0382 | 760 x 335 x 250h mm, 1240 x 385 x 385h mm, 1445 x 520 x 460h mm | 710 x 285 x 225h mm, 1185 x 335 x 365h mm, 1395 x 435 x 440h mm | 40 kg |
| 0382/02 | 760 x 335 x 250h mm | 745 x 310 x 225h mm | 6 kg |
| 0382/03 | 1240 x 385 x 385h mm | 1185 x 335 x 365h mm | 14 kg |
| 0382/04 | 1445 x 520 x 460h mm | 1405 x 435 x 440h mm | 21 kg |

C087
TOOL ROLLING CABINET

Separable into 3 pieces.



| | |
|------------|---------------------|
| Dimensions | 560 x 350 x 770h mm |
| Capacity | 40 kg |
| Net weight | 14 kg |

0363-
3 PCS STEEL CASE SET

Padlockable.



| Art. | External Dimensions | Internal dimensions | Net weight |
|---------|--|--|------------|
| 0363 | 770 x 420 x 305h mm, 915 x 440 x 565h mm, 1220 x 620 x 700h mm | 750 x 400 x 300h mm, 825 x 350 x 410h mm, 1130 x 520 x 550h mm | 107 kg |
| 0363/30 | 770x420x305h mm | 750 x 400 x 300h mm | 14,5 kg |
| 0363/36 | 915 x 440 x 565h mm | 825 x 350 x 410h mm | 35 kg |
| 0363/48 | 1220 x 620 x 700h mm | 1130 x 520 x 550h mm | 57 kg |



C900/B
TOOL ROLLING CABINET

Side handle, polypropylene foam worktop, 6 drawers with internal oil-resistant mat, mounted on telescopic ball-bearing slides, front central locking supplied with 2 foldable keys, 2 fixed and 2 swivel casters with foot-operated brake, made of shockproof and non-slip thermoplastic rubber.

UPGRADE



C900/A
TOOL CHEST

Can be combined with trolley carts. Retractable side handles, 6 drawers, mounted on telescopic ball-bearing slides, removable tray, and front central locking with 2 foldable keys.

UPGRADE



| | |
|------------------------|---|
| Dimensions | 661 x 309 x 363h mm |
| Drawer dimensions | 3: 174 x 267 x 45h mm 2: 578 x 267 x 45h mm 1: 578 x 267 x 60h mm |
| Compartment dimensions | 655 x 250 x 80h mm |
| Drawer capacity | 25 kg |
| Net weight | 20 kg |

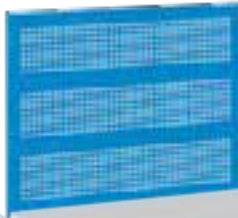
| | |
|-------------------|-------------------------------------|
| Dimensions | 744 x 461 x 964h mm |
| Drawer dimensions | 569 x 406 mm |
| Drawers height | 4 x 45 mm - 1 x 145 mm - 1 x 225 mm |
| Drawer capacity | 25 kg |
| Net weight | 44 kg |

DETAILS MAKE THE DIFFERENCE

We thought about meeting your needs. How? By taking care of the details and the choice of optionals, making the tool rolling cabinet your personal product to work easily and smoothly every day. So, the new FERVI rolling cabinets were born. Simple and easy to set up, thanks to the compliant list of accessories for all different models.

Set it up according to your needs. Our goal is to get you the tool rolling cabinet you dream, not just any rolling cabinet!

C960/PF NEW
PERFORATED HANGING PANEL



| | |
|--------------------------|--------------------|
| Dimensions | 678 x 535 x 25h mm |
| Working table dimensions | 678 x 535 mm |
| Hole diameter | Ø 5 mm |
| Slot distance | 15 mm |

C960/PL NEW
LAMINATED WORK TOP



| | |
|------------------|--------------|
| Plate Dimensions | 670 x 454 mm |
| Plate thickness | 9 mm |

C960/MP NEW
FOLDING SHELF



| | |
|-----------------|--------------------|
| Dimensioni | 338 x 261 x 35h mm |
| Steel thickness | 1,50 mm |



C960/PC NEW
PAPER ROLL HOLDER



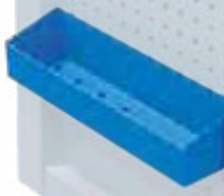
| | |
|--------------------|--------------|
| Dimensions | 386 x 167 mm |
| Hose diameter | 15 mm |
| Max. roll diameter | 280 mm |

C960/PD NEW
DOCUMENT HOLDER



| | |
|---------------------|--------------------|
| Internal dimensions | 270 x 60 x 330h mm |
| Steel thickness | 2 mm |

C960/PG NEW
SCREWDRIVER HOLDER



| | |
|-------------------|-------------------|
| Dimensions | 330 x 76 x 88h mm |
| Drawer dimensions | 328 x 75 x 75h mm |
| Hole diameter | 8 x Ø 8,5 mm |



C960/F6

TOOL ROLLING CABINET WITH 6 DRAWERS

Side handle, polypropylene foam worktop, steel sheet body with impact protection bumpers and perforated side panels, 6 full-extension drawers with with oil-resistant mats, mounted on telescopic ball bearing slides, anti-tip device, side central locking supplied with 2 folding keys, 2 fixed and 2 swivel casters with brakes. Optional accessories: screwdriver holder, document holder, shelf, paper roll holder, rear pegboard and laminated top.

| | |
|-------------------|-------------------------------------|
| Dimensions | 770 x 460 x 985h mm |
| Drawer dimensions | 566 x 405 mm |
| Drawers height | 4 x 68 mm - 1 x 147 mm - 1 x 199 mm |
| Drawer capacity | 5 x 25 kg - 1 x 40 kg |
| Slot distance | 15 mm |
| Hole diameter | Ø 5 mm |
| Net weight | 55 kg |



C960/F7

TOOL ROLLING CABINET WITH 7 DRAWERS

Side handle, polypropylene foam worktop, steel sheet body with impact protection bumpers and perforated side panels, 7 full-extension drawers with with oil-resistant mats, mounted on telescopic ball bearing slides, anti-tip device, front central locking supplied with 2 folding keys, 2 fixed and 2 swivel casters with brakes. Optional accessories: screwdriver holder, document holder, shelf, paper roll holder, rear pegboard and laminated top.

| | |
|-------------------|------------------------|
| Dimensions | 770 x 460 x 985h mm |
| Drawer dimensions | 566 x 405 mm |
| Drawers height | 6 x 68 mm - 1 x 199 mm |
| Drawer capacity | 6 x 25 kg - 1 x 40 kg |
| Slot distance | 15 mm |
| Hole diameter | Ø 5 mm |
| Net weight | 58 kg |



C960/F8

TOOL ROLLING CABINET WITH 8 DRAWERS

Side handle, polypropylene foam worktop, steel sheet body with impact protection bumpers and perforated side panels, 8 full-extension drawers with with oil-resistant mats, mounted on telescopic ball bearing slides, anti-tip device, front central locking supplied with 2 folding keys, 2 fixed and 2 swivel casters with brakes. Optional accessories: screwdriver holder, document holder, shelf, paper roll holder, rear pegboard and laminated top.

| | |
|-------------------|------------------------|
| Dimensions | 770 x 460 x 985h mm |
| Drawer dimensions | 566 x 405 mm |
| Drawers height | 7 x 68 mm - 1 x 120 mm |
| Drawer capacity | 25 kg |
| Slot distance | 15 mm |
| Hole diameter | Ø 5 mm |
| Net weight | 60 kg |



C980
TOOL ROLLING CABINET

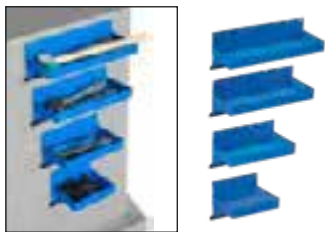
7 drawers, with 2 side storage compartments, ball bearing equipped drawers with central lock, 12 hooks and 10 plastic bins included, 2 swivel and 2 fixed casters.



| | |
|-------------------|-------------------------------------|
| Drawer capacity | 25 kg |
| Tool cabinet size | 890 x 530 x 1030h mm |
| Drawer dimensions | 565 x 405 mm |
| Drawers height | 3 x 50 mm - 3 x 105 mm - 1 x 165 mm |
| Net weight | 100 kg |


0466/4V
MAGNETIC TOOL TRAY SET

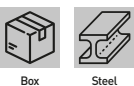
Made of painted steel, to organize the best working place.



| | |
|--------------------|--|
| Overall dimensions | 310 x 130 x 120h mm; 270 x 130 x 120h mm; 210 x 130 x 120h mm; 150 x 130 x 120h mm |
| Capacity | 1,17 kg; 1 kg; 0,77 kg; 0,6 kg |
| Steel thickness | 0,7 mm |

0466/PB
MAGNETIC SOCKETS HOLDER

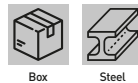
Made of painted steel, to organize the best working place.



| | |
|--------------------|--------------------|
| Overall dimensions | 280 x 45 x 90h mm |
| Sockets sizes | 1/4" - 3/8" - 1/2" |
| Steel thickness | 0,9 mm |

0466/CV
MAGNETIC HANGING TRAY WITH SCREWDRIVERS HOLDER

Made of painted steel, to organize the best working place.



| | |
|-------------------|---------------------|
| Dimensions | 360 x 130 x 110h mm |
| Drawer dimensions | 305 x 115 x 30h mm |
| Holes | 6 x Ø 10 mm |
| Capacity | 3,18 kg |
| Steel thickness | 1 mm |

0466/SC
3 HOLE MAGNETIC SPRAY CANS AND 7 SCREWDRIVERS HOLDER

Made of painted steel, to organize the best working place.



| | |
|--------------------|--|
| Overall dimensions | 130 x 300 x 130h mm |
| Holes | 3 x Ø 75 mm; 2 x Ø 12 mm; 1 x Ø 11 mm; 1 x Ø 10 mm; 1 x Ø 9 mm; 2 x Ø 7,5 mm |
| Capacity | 1,19 kg |
| Steel thickness | 0,8 mm |



0323/45

TOOL CHEST

With 5 trays.



Steel



Dimensions
Net weight

450 x 200 x 205 h mm
4 kg

0323/55

TOOL CHEST

With 5 trays.



Steel



Dimensions
Net weight

550 x 210 x 205h mm
4,5 kg

0423/1

TOOL BOX

With 16 small and 4 middle plastic removable trays, ideal for storing small parts. Small plastic trays dimensions: 54 x 52 x 43h mm, middle plastic trays dimensions: 54 x 105 x 43h mm. The box has two safety locks to prevent the involuntary overthrow of the hardware.



Steel

Plastic



Dimensions

334 x 240 x 45 mm

0423/2

TOOL BOX

With 29 small and 3 middle removable plastic trays, ideal for storing small parts. Small plastic trays dimensions: 54 x 52 x 43h mm, middle plastic trays dimensions: 54 x 105 x 43h mm. The box has a central safety lock to prevent the overthrow of the hardware.



Steel

Plastic



Dimensions

388 x 295 x 45 mm

0422-

POLYPROPYLENE BLISTER SET

Useful for storing small items such as screws, bolts, nuts, small hooks, nails



20 Pcs

Plastic



Art.

Dimensions

0422/B1
0422/B3

65 x 47 x 30 mm
75 x 60 x 40 mm

C315

TOOL ORGANIZER BOX

With 21 compartments and movable dividers, for storing larger items than the original magazine.

Plastic



Dimensions

380 x 310 x 60 mm

C313

RACK WITH 4 PLASTIC TOOL ORGANIZER BOXES

Modular, with 13 extractable containers of various sizes, equipped with lateral insets for stacking and rear holes for wall fixing.

Plastic



Dimensions

377 x 265 x 310 mm

C360

TOOL BOX

With 23 compartments and 16 removable dividers.



Box

Plastic



made in Italy



Dimensions

443 x 317 x 80h mm

C371
TOOL BOX

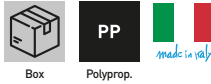
With removable 2 big trays, 3 medium trays, 6 small trays.



Dimensions 443 x 317 x 107h mm

C163
TOOL-BOX

16", lockable, with 1 movable shelf and 2 compartments for motion work in the lid.



Dimensions 394 x 160 x 195h mm

C165
TOOL-BOX

20", with 1 movable shelf and 2 compartments for motion work in the lid.



Dimensions 514 x 225 x 260h mm

C648
TOOL BOX

With movable shelf.



Dimensions 510 x 280 x 220h mm

M13x
WATERPROOF TOOL CASE

Built in pressure valve with cubed-foam interior to protect the objet stored. it is ideal for instruments and test equipment.



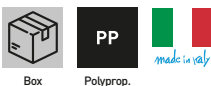
| Art. | External Dimensions | Internal dimensions | Net weight |
|------|---------------------|---------------------|------------|
| M138 | 465 x 360 x 175h mm | 425 x 287 x 115h mm | 2,9 kg |
| M139 | 570 x 410 x 215h mm | 505 x 353 x 140h mm | 4,5 kg |

M138

M139

M300/B
WATERPROOF TOOL CASE

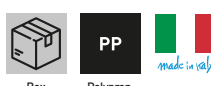
Built in pressure valve with cubed-foam interior to protect the objet stored. The superior protection from the elements, water, dust and impacts, make it suitable for a wide array of sectors and applicazions.



| | | | |
|---------------------|--------------------|---------------------|--------------------------|
| External Dimensions | 336 x 300 x 148 mm | Working temperature | -30 / 90°C (-22 / 194°F) |
| Internal dimensions | 300 x 225 x 132 mm | Net weight | 1,6 kg |
| Internal volume | 8.91 l | | |

M430/B
WATERPROOF TOOL CASE

Built in pressure valve with cubed-foam interior to protect the objet stored. The superior protection from the elements, water, dust and impacts, make it suitable for a wide array of sectors and applicazions.



| | | | |
|---------------------|--------------------|---------------------|--------------------------|
| External Dimensions | 464 x 366 x 176 mm | Working temperature | -30 / 90°C (-22 / 194°F) |
| Internal dimensions | 426 x 290 x 159 mm | Net weight | 2,8 kg |
| Internal volume | 19.64 l | | |



M505/B

WATERPROOF TOOL CASE

Built in pressure valve with cubed-foam interior to protect the objet stored. The superior protection from the elements, water , dust and impacts, make it suitable for a wide array of sectors and applications.



| | |
|---------------------|--------------------------|
| External Dimensions | 555 x 428 x 211 mm |
| Internal dimensions | 500 x 350 x 194 mm |
| Internal volume | 33.95 l |
| Working temperature | -30 / 90°C (-22 / 194°F) |
| Net weight | 3,9 kg |

M540/BT

WATERPROOF TOOL CASE WITH TROLLEY

Built in pressure valve with cubed-foam interior to protect the objet stored. The superior protection from the elements, water , dust and impacts, make it suitable for a wide array of sectors and applications.



| | |
|---------------------|--------------------------|
| External Dimensions | 594 x 473 x 270 mm |
| Internal dimensions | 538 x 405 x 245 mm |
| Internal volume | 53.38 l |
| Working temperature | -30 / 90°C (-22 / 194°F) |
| Net weight | 5,2 kg |

0682

ABS TOOL CASE

Tools not included.



| | |
|------------|--------|
| A | 460 mm |
| B | 330 mm |
| C | 150 mm |
| D | 98 mm |
| E | 52 mm |
| Capacity | 25 kg |
| Net weight | 2,9 kg |

0683

TROLLEY ABS TOOL CASE

Tools not included.



| | |
|------------|--------|
| A | 460 mm |
| B | 330 mm |
| C | 190 mm |
| D | 98 mm |
| E | 92 mm |
| Capacity | 25 kg |
| Net weight | 4,5 kg |

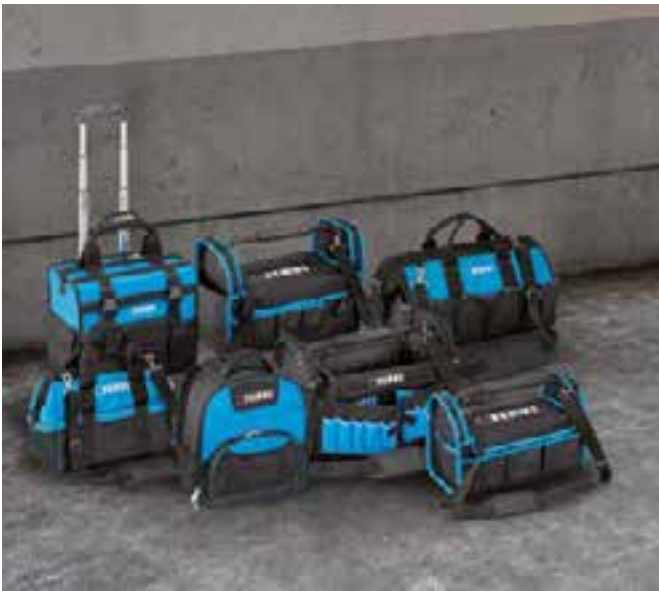
068x

ALUMINIUM TOOL CASE

Tools not included.



| Art. | A | B | C | D | E | Capacity | Net weight |
|------|--------|--------|--------|--------|-------|----------|------------|
| 0680 | 510 mm | 375 mm | 185 mm | 110 mm | 75 mm | 30 kg | 5 kg |
| 0681 | 440 mm | 390 mm | 185 mm | 110 mm | 75 mm | 30 kg | 4,8 kg |



0901 NEW

MULTIFUNCTIONAL BACKPACK

Made of 600-denier polyester, with breathable back, removable tool holder, padded computer pocket, roomy and sturdy pockets to accommodate a large number of tools.



Polyester

| | |
|---------------------|--------------------|
| External Dimensions | 380 x 130 x 460 mm |
| Net weight | 1,25 kg |

0907 NEW

SEMI-SOFT TOOL TROLLEY

Tool trolley made of 600-denier polyester, sturdy telescoping handle for excellent handling, convenient front strap opening, multiple roomy and sturdy pockets.



Polyester

| | |
|------------|--------------------|
| Dimensions | 390 x 290 x 390 mm |
| Net weight | 3,1 Kg |

0902 NEW

SOFT TOOL BAG

Made of 600-denier polyester, with comfortable shoulder strap, roomy and sturdy pockets to accommodate a large number of tools.



Polyester

| | |
|------------|--------------------|
| Dimensions | 370 x 203 x 254 mm |
| Net weight | 1,25 Kg |

0903 NEW

SOFT TOOL BAG

Made of 600-denier polyester, with comfortable shoulder strap, roomy and sturdy pockets to accommodate a large number of tools.



Polyester

| | |
|------------|--------------------|
| Dimensions | 450 x 280 x 220 mm |
| Net weight | 2,05 Kg |

0904 NEW

SEMI-SOFT TOOL BAG

Made of 600-denier polyester, with rigid handle for easy handling, comfortable shoulder strap, capacious and sturdy pockets.



Polyester

| | |
|------------|-------------------|
| Dimensions | 406 x 203x 254 mm |
| Net weight | 1,3 Kg |



0905

NEW

SEMI-SOFT TOOL BAG

Made of 600-denier polyester, with rigid handle for easy handling, comfortable shoulder strap, capacious and sturdy pockets.



Polyester

Dimensions 450 x 228 x 280 mm
Net weight 2,3 Kg

0906

NEW

SEMI-SOFT TOOL BAG

Made of 600-denier polyester, with rigid handle for easy handling, comfortable shoulder strap, capacious and sturdy pockets.



Polyester

Dimensions 450 x 228 x 330 mm
Net weight 1,6 Kg

0390

TOOL BAG

With shoulder belt made of 1680 denier polyester, big and rugged pockets to accommodate a great number of tools



Polyester

Pockets 14
Dimensions 400 x 225 x 250h mm

0409

TOOL BAG

10 pockets with belt, made of polyester. It can be used to hold small tester, pliers, scissors, screwdrivers and other tools.



Polyester

Dimensions 250 x 210 x 70 mm

0254

FITTER TOOL BAG

Leather with belt.



Pockets 5

0264

FITTER TOOL BAG

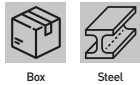
Leather with belt.



Pockets 11

0036-
STEEL VICE

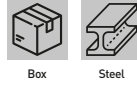
Lateral sliding adjustment.



| Art. | Jaws | Opening | Working height | Slot distance | Net weight |
|----------|--------|---------|----------------|---------------|------------|
| 0036/100 | 100 mm | 105 mm | 60 mm | 85 mm | 4,9 kg |
| 0036/125 | 125 mm | 138 mm | 75 mm | 110 mm | 9,5 kg |
| 0036/150 | 150 mm | 180 mm | 90 mm | 150 mm | 19 kg |

0036-xG
TABLE VICE WITH SWIVEL BASE

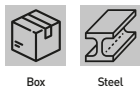
Lateral sliding adjustment. Equipped with swivel mechanism.



| Art. | Jaws | Opening | Net weight |
|-----------|--------|---------|------------|
| 0036/100G | 100 mm | 105 mm | 5,5 kg |
| 0036/125G | 125 mm | 124 mm | 11 kg |
| 0036/150G | 150 mm | 180 mm | 22 kg |

0135-
FORGED STEEL VICE

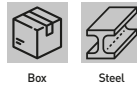
Lateral sliding adjustment.



| Art. | Jaws | Opening | Working height | Slot distance | Net weight |
|----------|--------|---------|----------------|---------------|------------|
| 0135/100 | 100 mm | 125 mm | 60 mm | 98 mm | 5,8 kg |
| 0135/125 | 125 mm | 160 mm | 70 mm | 111 mm | 9,8 kg |
| 0135/150 | 150 mm | 190 mm | 85 mm | 136 mm | 17,8 kg |

0140-
STEEL VICE

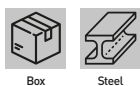
Lateral sliding adjustment. Equipped with hose clamp. Recommended for heavy use.



| Art. | Jaws | Opening | Working height | Slot distance | Net weight |
|----------|--------|---------|----------------|---------------|------------|
| 0140/080 | 80 mm | 80 mm | 60 mm | 80 mm | 4 kg |
| 0140/100 | 100 mm | 100 mm | 65 mm | 80 mm | 5,5 kg |
| 0140/125 | 125 mm | 125 mm | 90 mm | 100 mm | 10 kg |
| 0140/150 | 150 mm | 150 mm | 95 mm | 125 mm | 14 kg |

0591-
STEEL VICE

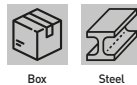
Lateral sliding adjustment. Equipped with bearing on the screw, hose clamp and interchangeable jaws.



| Art. | Jaws | Opening | Net weight |
|----------|--------|---------|------------|
| 0591/100 | 100 mm | 95 mm | 5,3 kg |
| 0591/125 | 125 mm | 130 mm | 11 kg |

0145-
STEEL VICE

Equipped with hose clamp.



| Art. | Jaws | Opening | Working height | Slot distance | Net weight |
|----------|-------------|---------|----------------|---------------|------------|
| 0145/80 | 80 x 20 mm | 80 mm | 58 mm | 80 mm | 3,7 kg |
| 0145/100 | 100 x 20 mm | 100 mm | 70 mm | 80 mm | 5,2 kg |
| 0145/125 | 125 x 20 mm | 125 mm | 75 mm | 100 mm | 7,4 kg |
| 0145/150 | 150 x 27 mm | 150 mm | 95 mm | 120 mm | 12 kg |

0174-
SG IRON BENCH VICE

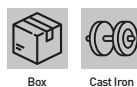
Equipped with interchangeable jaws.



| Art. | Jaws | Opening | Working height | Slot distance | Net weight |
|----------|-------------|---------|----------------|---------------|------------|
| 0174/100 | 100 x 20 mm | 100 mm | 50 mm | 85 mm | 4,8 kg |
| 0174/125 | 125 x 22 mm | 130 mm | 60 mm | 95 mm | 7,7 kg |
| 0174/150 | 150 x 22 mm | 150 mm | 60 mm | 105 mm | 10 kg |

0427-
SG IRON PARALLEL BENCH VICE

Attaches directly to the work base to ensure high stability. Equipped with interchangeable jaws and prismatic guides.



| Art. | Jaws | Opening | Net weight |
|----------|--------|---------|------------|
| 0427/080 | 80 mm | 80 mm | 6,5 kg |
| 0427/100 | 100 mm | 100 mm | 10 kg |
| 0427/125 | 135 mm | 125 mm | 12 kg |



0146/60

STEEL VICE WITH SWIVEL BASE



Cast Iron

| | |
|----------------|--------|
| Jaws | 60 mm |
| Opening | 60 mm |
| Clamp capacity | 51 mm |
| Net weight | 1,5 kg |

0042-

ALUMINUM MAGNETIC JAW COUPLE

Ribbed with grooves.



Alu

2 Pcs Aluminum

| Art. | Jaws | Height | Thickness |
|----------|--------|---------|-----------|
| 0042/100 | 100 mm | 28 mm | 7.5 mm |
| 0042/125 | 125 mm | 28.5 mm | 7.5 mm |
| 0042/150 | 150 mm | 28.5 mm | 7.5 mm |

0520-xG

ALUMINIUM MAGNETIC JAW PAIR WITH RUBBER FACE

With durable rubber.



Alu

2 Pcs Blister Aluminum

| Art. | Length | Height | Thickness |
|-----------|--------|---------|-----------|
| 0520/100G | 100 mm | 28,7 mm | 10,0 mm |
| 0520/125G | 125 mm | 28,7 mm | 10,0 mm |
| 0520/150G | 150 mm | 28,7 mm | 10,0 mm |

0520-xA

ALUMINIUM MAGNETIC JAW PAIR

Ribbed with grooves.



Alu

2 Pcs Blister Aluminum

| Art. | Length | Height | Thickness |
|-----------|--------|---------|-----------|
| 0520/100A | 100 mm | 28,3 mm | 8,9 mm |
| 0520/125A | 125 mm | 28,3 mm | 8,9 mm |
| 0520/150A | 150 mm | 28,3 mm | 8,9 mm |

0520-xP

PRISMATIC MAGNETIC JAW PAIR

With trapezoidal jaws.



Alu

2 Pcs Blister Aluminum

| Art. | Length | Height | Thickness |
|-----------|--------|---------|-----------|
| 0520/100P | 100 mm | 28,5 mm | 9,8 mm |
| 0520/125P | 125 mm | 28,5 mm | 9,8 mm |
| 0520/150P | 150 mm | 28,5 mm | 9,8 mm |

0520-xF

MAGNETIC JAW PAIR WITH FIBER FACE

With strong fiber.



Alu

2 Pcs Blister Aluminum

| Art. | Length | Height | Thickness |
|-----------|--------|---------|-----------|
| 0520/100F | 100 mm | 28,7 mm | 10,3 mm |
| 0520/125F | 125 mm | 28,7 mm | 10,3 mm |
| 0520/150F | 150 mm | 28,7 mm | 10,3 mm |

0520-xS

SERIES OF ALUMINIUM MAGNETIC JAW PAIRS

Includes the items 0520-xA, 0520-xF, 0520-xG, 0520-xP.



Alu

8 Pcs Blister Aluminum

| Art. | Length |
|-----------|--------|
| 0520/100S | 100 mm |
| 0520/125S | 125 mm |
| 0520/150S | 150 mm |

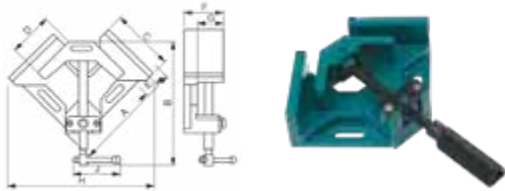


0205
SPECIAL VICE FOR 90° WELDING

Adjustable jaw.


Alu

Aluminum



| | |
|----------------|-------------------------|
| Capacity | 70 mm + 70 mm |
| Working height | 35 mm |
| A | 150 mm |
| B | Min 250 mm - Max 345 mm |
| C | 97 mm |
| D | 60 mm |
| E | 70 mm |
| F | 55 mm |
| G | 49 mm |
| H | 217 mm |
| J | 92 mm |

0205/120
SPECIAL VICE FOR 90° WELDING

Adjustable jaw.



Box

Cast Iron



| | |
|----------------|-------------------------|
| Capacity | 110 mm + 110 mm |
| Working height | 60 mm |
| A | 257 mm |
| B | Min 290 mm - Max 458 mm |
| C | 135 mm |
| D | 109 mm |
| E | 126 mm |
| F | 90 mm |
| G | 77 mm |
| H | 340 mm |
| J | 112 mm |

M006-
GENERAL USE STEEL CLAMP WITH T-SPINDLE


Steel

Tempered



| Art. | Span x Depth | Spindle | Maximum torque |
|-----------|---------------|--------------|----------------|
| M006/200 | 200 x 120 mm | 22 x 10,5 mm | 550 kg |
| M006/300 | 300 x 140 mm | 25 x 12 mm | 600 kg |
| M006/400 | 420 x 120 mm | 25 x 12 mm | 650 kg |
| M006/500 | 500 x 120 mm | 25 x 12 mm | 650 kg |
| M006/600 | 600 x 120 mm | 25 x 12 mm | 650 kg |
| M006/800 | 800 x 120 mm | 25 x 12 mm | 650 kg |
| M006/1000 | 1000 x 120 mm | 25 x 12 mm | 650 kg |

M007-
GENERAL USE STEEL CLAMP RATCHET

Quick clamping.



Steel

Tempered

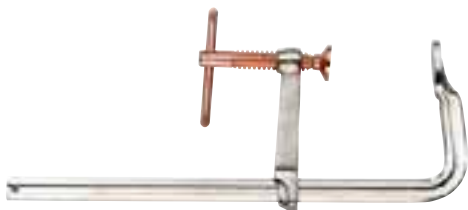


| Art. | Span x Depth | Spindle |
|----------|--------------|--------------|
| M007/250 | 250 x 120 mm | 22 x 10,5 mm |
| M007/300 | 300 x 140 mm | 25 x 12 mm |
| M007/400 | 400 x 120 mm | 25 x 12 mm |
| M007/500 | 500 x 120 mm | 25 x 12 mm |
| M007/600 | 600 x 120 mm | 25 x 12 mm |

M018-
GENERAL USE STEEL CLAMP WITH T-SPINDLE


Steel

Tempered



| Art. | Span x Depth | Spindle |
|-----------|---------------|----------------|
| M018/0200 | 200 x 100 mm | 19 x 9,5 mm |
| M018/0300 | 300 x 100 mm | 19 x 9,5 mm |
| M018/0400 | 400 x 120 mm | 21,5 x 10,5 mm |
| M018/0500 | 500 x 120 mm | 21,5 x 10,5 mm |
| M018/0600 | 600 x 120 mm | 21,5 x 10,5 mm |
| M018/0800 | 800 x 120 mm | 21,5 x 10,5 mm |
| M018/1000 | 1000 x 120 mm | 21,5 x 10,5 mm |
| M018/1200 | 1200 x 120 mm | 21,5 x 10,5 mm |

0167-
WOOD HANDLE CLAMP


Steel

Aluminum



| Art. | Span x Depth |
|----------|--------------|
| 0167/150 | 150 x 50 mm |
| 0167/200 | 200 x 80 mm |
| 0167/250 | 250 x 100 mm |
| 0167/400 | 400 x 100 mm |
| 0167/500 | 500 x 120 mm |

0394-
QUICK ADJUSTABLE CLAMP



ABS

| Art. | Span x Depth | Spindle | Maximum torque |
|----------|--------------|-------------|----------------|
| 0394/150 | 150 x 63 mm | 18 x 5,5 mm | 60 kg |
| 0394/300 | 300 x 63 mm | 18 x 5,5 mm | 60 kg |
| 0394/450 | 450 x 63 mm | 18 x 5,5 mm | 60 kg |
| 0394/600 | 600 x 63 mm | 18 x 5,5 mm | 60 kg |

0353/085
POLYPROPYLENE SPRING CLAMPS SET

Length 85 mm, useful in the laboratory to facilitate the gluings and similar works.



12 Pcs
 Hangable
 PP
Polyprop.

| | |
|---------|-------|
| Length | 85 mm |
| Opening | 35 mm |

035x
SPRING CLAMP

Useful in the laboratory to facilitate the gluings and similar works.



Hangable
 Nylon

| Art. | Length | Opening |
|----------|--------|---------|
| 0353/150 | 150 mm | 55 mm |
| 0354/225 | 225 mm | 100 mm |

0250
4-WAY CLAMPING SYSTEM

Provided in assembly kit, for doors or wooden tables (wood strips not included).



Box
 Plastic

| | |
|---------------|--------|
| Max thickness | 150 mm |
|---------------|--------|

0353/110
POLYPROPYLENE SPRING CLAMPS SET

110 mm long, useful in the laboratory to facilitate the gluings and similar works.



8 Pcs
 Hangable
 PP
Polyprop.

| | |
|---------|--------|
| Length | 110 mm |
| Opening | 40 mm |

0265/05
CAST IRON ANVIL

Sturdy construction, round hole and square hole for punching and bending

Box
 Cast Iron

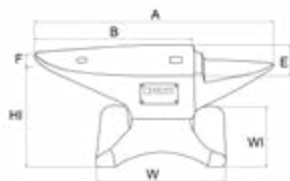


| | | | |
|---|---------|------------|-------|
| A | 230 mm | WI | 85 mm |
| B | 160 mm | HI | 95 mm |
| E | 57 mm | Tolerance | ±5% |
| F | 10,5 mm | Net weight | 5 kg |
| W | 112 mm | | |

0157-
C50 HARDENED STEEL ANVIL

Sturdy construction, round hole and square hole for punching and bending.

Box
 C50



| Art. | A | B | E | W | WI | HI | Tolerance | Net weight |
|----------|--------|--------|--------|--------|--------|--------|-----------|------------|
| 0157/10 | 345 mm | 235 mm | 80 mm | 150 mm | 100 mm | 120 mm | ±5% | 10 kg |
| 0157/30 | 535 mm | 360 mm | 110 mm | 215 mm | 150 mm | 160 mm | ±5% | 30 kg |
| 0157/50 | 620 mm | 410 mm | 140 mm | 240 mm | 175 mm | 190 mm | ±5% | 50 kg |
| 0157/100 | 805 mm | 520 mm | 175 mm | 315 mm | 230 mm | 240 mm | ±5% | 100 kg |

WHAT'S SANDBLASTING?

Sandblasting is an industrial process of surface cleaning that takes place through the mechanical force of the abrasive material pushed by a jet of air. The sand acts by scratching and penetration: the abrasive material mixes with the compressed air jet and works mechanically on the workpiece. This mixture, passing through the nozzle, accelerates. This brings its speed to a level useful to carry out the required abrasive action.



Sandblasting for paint stripping



Sandblasting with glass balls (shot peening)

TYPES OF SANDBLASTERS

There are 2 types of sandblasters available: vacuum sandblasting cabin and pressure sandblasting cabin. Each has different characteristics based on the use needed by the end user. Sandblasters are equipped with interchangeable nozzles to better adapt them to the material to be treated: on soft materials it is recommended to choose a large nozzle that allows for a high flow rate of the abrasive/air mixture at a low speed. However, for hard materials - or very thick pieces - it is recommended to choose a small nozzle that allows for a higher mixture speed at a lower flow rate.



VACUUM SANDBLASTING CABIN

Ideal for small/medium sized metal objects to be sandblasted. It exploits the "Venturi principle" which allows sand to be sucked from a container and mixed with compressed air.

- PROS**
- Lower air consumption
 - Lower abrasive wear
 - Reduced maintenance

- CONS**
- Lower processing yields
 - Longer processing times



PRESSURE SANDBLASTING CABIN

Unlike the vacuum system, the pressure cabin pushes down the air and abrasive, projecting the mixture of these components into a single solution. The jet is thus more powerful and more effective.

- PROS**
- High processing efficiency
 - Reduced processing times
 - Possibility of adjusting the air/abrasive mixture

- CONS**
- Higher air consumption
 - Increased maintenance
 - Higher abrasive wear due to higher jet power

HOW TO CHOOSE THE ABRASIVE

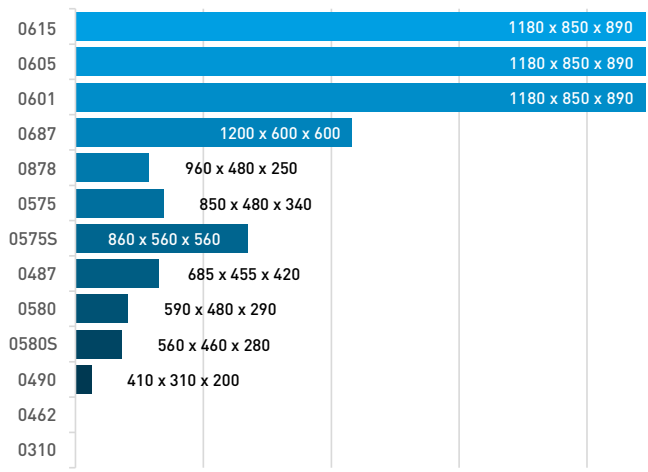
The choice of abrasive for sandblasters is frequently dictated by experience and ease of use. In fact, Sandblasting with manual machines is a process characterised by many variables at play. Furthermore, in order to achieve an optimal result, the operator must try to find the right balance. Here are 5 good rules for the optimal choice of abrasive:

| | |
|--|--|
| <p>1) Always use the least aggressive abrasive possible that can do the job required. There is no point in using a very aggressive abrasive and then having to do an additional finishing process. You can always add a harder abrasive. However, undo the work of an overly hard abrasive requires a bigger effort.</p> | |
| <p>2) Glass is shiny, but it also makes surfaces shine: if you need a shiny look, glass microbeads are a great place to start. They are a fantastic finish and will leave your surfaces smooth and shiny.</p> | |
| <p>3) Corundum removes paint: is it necessary to remove paint from an object? With its hard, angular structure and reusability, corundum is the right abrasive. Alternatively you can use Garnet, a natural, environmentally friendly and cheaper abrasive.</p> | |
| <p>4) For fast and aggressive work, use silicon carbide. It is the toughest abrasive on the market. It makes quick work of etching and removing unwanted rust and paint.</p> | |
| <p>5) Steel microspheres are suitable for shot peening, polishing and paint removal. Carefully evaluate because this type of abrasive in contact with the object to be machined changes its mechanical structure. This type of abrasive is suitable for industrial sandblasters.</p> | |

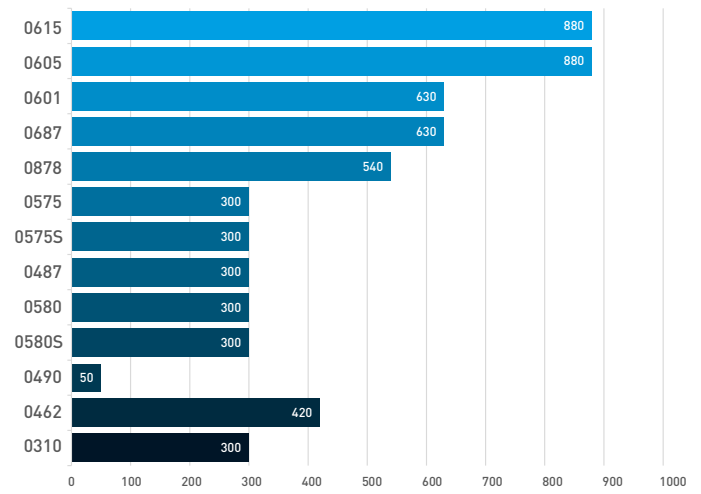
SANDERS



Internal dimensions (mm)



Air consumption (l/min)



0615
PRESSURE SANDBLAST CABINET

With cyclone vacuum cleaner, HEPA filter, front opening and ceiling light with 3 fluorescent lamps.



| | |
|---------------------|-----------------------|
| Internal dimensions | 1180 x 850 x 890 h mm |
| Maximum capacity | 150 kg |
| Working pressure | 6 ÷ 8 Bar |
| Air consumption | 31 SCFM 880 l / min |
| Gun nozzle | Ø 6 - 7 mm |

| | |
|--------------------|-------------------------|
| Electric vacuum | 230 V 50 Hz 0.7 kW |
| Filtration rate | 8 micron |
| With light | Yes |
| Overall dimensions | 1330 x 1515 x 2070 h mm |
| Net weight | 300 kg |

0605
PRESSURE SANDBLAST CABINET WITH 2 DUST COLLECTORS

With pressurized tank to have a greater abrasive effect, 2 cyclone-type dust collectors, paper filter, front opening and ceiling light with 3 fluorescent lamps



| | |
|------------------|-----------------------|
| Working area | 1180 x 850 x 890 h mm |
| Maximum capacity | 150 kg |
| Working pressure | 6 ÷ 8 Bar |
| Air consumption | 31 SCFM 880 l / min |
| Gun nozzle | Ø 6 - 7 mm |

| | |
|--------------------|-------------------------|
| Electric vacuum | 2 x 230 V 50 Hz 1,2 kW |
| Filtration rate | 5 micron |
| With light | Yes |
| Overall dimensions | 1800 x 1515 x 2070 h mm |
| Net weight | 245 kg |

0601
SANDBLAST CABINET WITH DUST COLLECTOR

Cyclone-type, paper filter, front opening and ceiling light with 3 fluorescent lamps



| | |
|------------------|----------------------|
| Working area | 1180 x 850 x 890h mm |
| Maximum capacity | 150 kg |
| Working pressure | 6 ÷ 8 Bar |
| Air consumption | 21 SCFM 630 l / min |
| Gun nozzle | Ø 6 - 7 mm |

| | |
|--------------------|-------------------------|
| Electric vacuum | 230 V 50 Hz 1.2 kW |
| Filtration rate | 5 micron |
| With light | Yes |
| Overall dimensions | 1330 x 1240 x 1770 h mm |
| Net weight | 180 kg |

0687

SANDBLAST CABINET WITH VACUUM

With paper filter.



| | |
|--------------------|------------------------|
| Working area | 1200 x 600 x 600 h mm |
| Maximum capacity | 120 kg |
| Working pressure | 6.5 ÷ 7.5 Bar |
| Air consumption | 21 SCFM 630 l / min |
| Gun nozzle | Ø 6 - 7 mm |
| Electric vacuum | 230 V 50 Hz 1.2 kW |
| Filtration rate | 5 micron |
| Overall dimensions | 1220 x 910 x 1740 h mm |
| Net weight | 149 kg |

0575

SANDBLAST CABINET



| | |
|--------------------|---------------------------------|
| Working area | 850 x 480 x 340 ÷ 540 h mm |
| Working pressure | 6.5 ÷ 7.5 Bar |
| Air consumption | 8 ÷ 10 SCFM (240 ÷ 300 l / min) |
| Gun nozzle | Ø 4 - 5 - 6 - 7 mm |
| Overall dimensions | 890 x 560 x 1385 h mm |
| Net weight | 46 kg |

0878

SANDBLAST CABINET WITH VACUUM

With paper filter.



| | |
|--------------------|----------------------------|
| Working area | 960 x 480 x 250 ÷ 470 h mm |
| Working pressure | 6.5 ÷ 7.5 bar |
| Air consumption | 18 SCFM 540 l / min |
| Gun nozzle | Ø 4 - 5 - 6 - 7 mm |
| Electric vacuum | 230 V 50 Hz 1.2 kW |
| Filtration rate | 5 micron |
| Overall dimensions | 1030 x 850 x 1640 h mm |
| Net weight | 100 kg |

0575S

SANDBLAST CABINET

In kit



| | |
|--------------------|---------------------------------|
| Working area | 860 x 560 x 560 h mm |
| Working pressure | 6.5 ÷ 7.5 bar |
| Air consumption | 8 ÷ 10 SCFM (240 ÷ 300 l / min) |
| Gun nozzle | Ø 4 - 5 - 6 - 7 mm |
| Overall dimensions | 905 x 620 x 1390 h mm |
| Net weight | 44 kg |

0487
BENCH SANDBLAST

With provision for the connection of a vacuum cleaner, lighting with low consumption lamp, gun and gloves.



| | |
|--------------------|---------------------------------|
| Working area | 685 x 455 x 420 mm |
| Working pressure | 6.5 ÷ 7.5 Bar |
| Air consumption | 8 ÷ 10 SCFM (240 ÷ 300 l / min) |
| Gun nozzle | Ø 4 - 5 - 6 - 7 mm |
| With light | 230 V 50 Hz; 6 W 12 V |
| Overall dimensions | 755 x 495 x 720 h mm |
| Net weight | 26.5 kg |

0580S
BENCH SANDBLAST CABINET

In kit



| | |
|--------------------|---------------------------------|
| Overall dimensions | 585 x 485 x 495 h mm |
| Working area | 560 x 460 x 280 h mm |
| Working pressure | 6.5 ÷ 7.5 Bar |
| Air consumption | 8 ÷ 10 SCFM (240 ÷ 300 l / min) |
| Gun nozzle | Ø 4 - 5 - 6 - 7 mm |
| Net weight | 16 kg |

0580
BENCH SANDBLAST CABINET

With provision for the connection of a vacuum cleaner, lighting with low consumption lamp, gun and gloves.



| | |
|--------------------|---------------------------------|
| Overall dimensions | 630 x 510 x 490 h mm |
| Working area | 590 x 480 x 290 h mm |
| Working pressure | 6.5 ÷ 7.5 Bar |
| Air consumption | 8 ÷ 10 SCFM (240 ÷ 300 l / min) |
| Gun nozzle | Ø 4 - 5 - 6 - 7 mm |
| Net weight | 13 kg |

0490
MINI BENCH SANDBLAST

With foot control and fixed gun.



| | |
|--------------------|----------------------|
| Working area | 410 x 310 x 200 h mm |
| Working pressure | 4 - 7.5 bar |
| Gun nozzle | Ø 3.5 mm |
| With light | 50 Hz, 6 W 12 V |
| Overall dimensions | 475 x 370 x 370 h mm |
| Net weight | 12 kg |
| Internal volume | 32 L |
| Opening size | 420 x 260 mm |

0462
SANDBLAST MACHINE WITH VACUUM

For rusted metallic objects that can't be put in traditional sandblast machine. if the object to be considered is flat, the vacuum cleaner allows the operator to not lose the most part of the abrasive material that is being used. the four wheels, two of which swivel, allow the operator that the machine is close to the object to be sandblasted



| | |
|---------------------|-----------------------|
| Tubes length | 2.5 m |
| Motor | 230 V 50 Hz 1.2 kW |
| Max vacuum capacity | 13 ÷ 15 kPa |
| Working pressure | 8 Bar |
| Air consumption | 420 l / min |
| Dimensions | 404 x 612 x 1046 h mm |
| Net weight | 30 kg |

SA01-CTRx
ROTARY TABLE FOR SANDBLAST CABINET

With trolley.



| Art. | Capacity | Diameter | Overall dimensions | Net weight |
|-----------|----------|----------|----------------------|------------|
| SA01/CTR1 | 150 kg | 580 mm | 920 x 580 x 1070h mm | 43,5 kg |
| SA01/CTR2 | 150 kg | 580 mm | 920 x 580 x 1335h mm | 45 kg |

SA01/C
CYCLONE FOR SAND BLAST CABINET

In two stage.



| | |
|--------------------|-----------------------|
| Filtration rate | 8 micron |
| Air flow | 13500 l/min |
| Max power | 230 V 50 Hz 0,55 kW |
| Overall dimensions | 540 x 1000 x 1450h mm |
| Net weight | 55 kg |

0310
SODA BLASTER

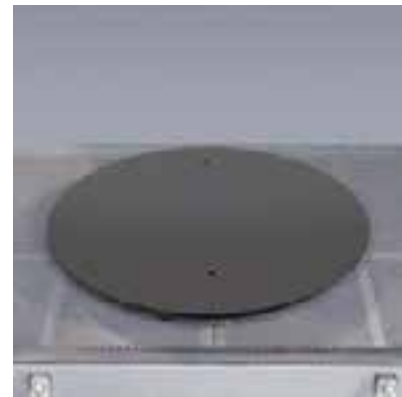
For external use, light weight, easy to carry, indicated for the removal of paints, rust, graffiti etc ..



| | |
|--------------------|---------------------------------|
| Overall dimensions | 350 x 400 x 788 h mm |
| Capacity | 18 l |
| Working pressure | 2.5 ÷ 6.2 bar |
| Air consumption | 8 ÷ 10 SCFM (240 ÷ 300 l / min) |
| Gun nozzle | Ø 2 - 3 mm |
| Net weight | 13 kg |

SA01/TR
ROTARY TABLE

For sandblast cabinet.



| | |
|--------------------|--------------|
| Diameter | 380 mm |
| Overall dimensions | 380 x 43h mm |
| Net weight | 7 kg |

SA01/A
SANDBLAST CYCLON

Cylindrical with paper filter, with manual filter beater and opening in the lower part.



| | |
|------------------|--------------------|
| Electric vacuum | 230 V 50 Hz 1,2 kW |
| Filtration rate | 5 micron |
| Air permeability | 185 l/(m²s) |
| Inlet size | Ø 55 mm |
| Slot distance | 305 X 240 mm |
| Dimensions | Ø 290 X 730 mm |

0582-
SANDBLAST CORUNDUM

It stands out for being edgy and extremely stable by combining the properties of hardness and density. Its longevity and reusability make it the most used material for sandblasting. Being composed for the most part of aluminum oxide it is practically free of iron. Particularly suitable for cleaning metal surfaces, removing rust and oxide layers and removing temper colors.



| Art. | Grit | Hardness | Net weight |
|---------|------|----------|------------|
| 0582/36 | 36 | 9 Mohs | 25 kg |
| 0582/80 | 80 | 9 Mohs | 25 kg |

0578-
SILICON CARBIDE

Black Silicon Carbide is the hardest material used for sandblasting, making it the ideal solution for all the most demanding jobs. Virtually iron-free, its abrasive properties make it very aggressive and fast in removing impurities. Its conformation allows the grains to break continuously creating new sharp and cutting edges, increasing the fineness of the grain size. Very durable it allows a high reusability. It tends to be incorporated into the material.



| Art. | Grit | Hardness | Net weight |
|---------|------|----------|------------|
| 0578/36 | 36 | 9.1 Mohs | 25 kg |
| 0578/80 | 80 | 9.1 Mohs | 25 kg |

0579-
GARNET

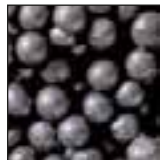
Garnet is one of the last natural abrasives still in use. It is a natural stone, and therefore ecological, with excellent abrasive properties that allows you to create profiles without abrasive incorporation, produce little dust and have a relatively low consumption. It is excellent for removing hard coatings, paint, rust and laminate scales. It can be used for both dry and water sandblasting. Its low cost makes it an alternative to corundum.



| Art. | Grit | Hardness | Net weight |
|---------|---------|----------|------------|
| 0579/30 | 36 ÷ 60 | 7.5 Mohs | 25 kg |
| 0579/80 | 80 | 7.5 Mohs | 25 kg |

0569
STEEL SHOT

Thanks to their spherical surface and hardness they allow to obtain shiny surfaces. Excellent for removing paint, blemishes, burrs and rust. Their low crushing does not create dust inside the sandblasting cabin and allows a long life of the abrasive. They can be used both as a means for shot peening and for both dry and water sandblasting.



| | |
|------------|-------------|
| Grit | S390 |
| Hardness | 40 ÷ 50 HRC |
| Net weight | 25 kg |

0581
MICRO GLASS BEADS

Thanks to their spherical shape they are perfect for surface finishing. They create smooth and bright surfaces, leaving an incomparable satin effect. As they do not contain iron, they are very suitable for working on stainless steel for food use and aluminum. The microspheres will not damage the substrate of the material being processed but will leave an anchoring profile for subsequent painting, especially on soft materials such as brass, aluminum, plastics, etc...



| | |
|------------|------------------------|
| Grit | 50 ÷ 70 (0,3 ÷ 0,2 mm) |
| Hardness | 5-7 Mohs |
| Net weight | 25 kg |

0310B
SODA BLASTING MEDIA

Salt composed basic bicarbonate synthetic, suitable for treating steel, aluminum, fiberglass, plastic, bricks etc ...



| | |
|---------------------------|------------------------|
| Grit | 36 ÷ 80 (0,5 ÷ 0,3 mm) |
| Hardness | 2,5 - 3 Mohs |
| Decomposition temperature | > 50°C |
| Net weight | 25 kg |

0490/11

PAIR OF GLOVES



Gloves diameter 100 mm

05x

PAIR OF GLOVES

Soft and comfortable.



| Art. | Length | Gloves diameter |
|---------|--------|-----------------|
| 0575/29 | 600 mm | 180 mm |
| 0580/21 | 450 mm | 145 mm |

0490/03

WINDOW PROTECTION SET

For sandblasters.



5 Pcs

0601/24

WINDOW PROTECTION SET

For sandblasters, 670 x 300 mm.



5 Pcs

Size 670 x 300 mm

0601/30

LAMP PROTECTION SET

For sandblasters, 900 x 260 mm.



5 Pcs

Size 900 x 260 mm

0687/005

LAMP PROTECTION SET

For sandblasters, 600 x 100 mm.



10 Pcs

Size 600 x 100 mm

0575/04

WINDOW PROTECTION SET

For sandblasters, 550 x 250 mm.



10 Pcs

Size 550 x 250 mm

0580/01-6

WINDOW PROTECTION SET

For sandblasters, 400 x 300 mm.



5 Pcs

Size 400 x 300 mm

SA01/F

CYCLONE FILTER

HEPA material.



Diameter 320 mm
Height 600 mm

0687/029

SANDBLAST CYCLON



Diameter 170 mm
Height 305 mm

0687/041

SANDBLAST GUN

For sandblaster 0687.



0290

SANDBLAST GUN

Metal gun, with ceramic nozzles.



| | |
|----------------------|------------------------|
| Ceramic nozzles | Ø 4 - 5 - 6 - 7 mm |
| Rubber hose length | 1,5 m |
| Air inlet | G 1/4" |
| Sound pressure level | < 70 dB(A) |
| Vibrations | < 2.5 m/s ² |
| Working pressure | 0.6 MPa |

0577/17

FIXED GUN



U003

BORON CARBIDE NOZZLE

For sand blast cabinet, long life.



Nozzle diameter Ø 7,5 mm

U004

COMPOSITE NOZZLE

For sand blast cabinet, long life.



0490/20

CERAMIC NOZZLE SET



Nozzle diameter Ø 3,5 mm

0462/55

CERAMIC NOZZLE SET



Nozzle diameter Ø 7,5 mm

0575/0580/12

CERAMIC NOZZLE SET

4 pcs, diameter Ø 4,5,6,7 mm.



Nozzle diameter Ø 4 - 5 - 6 - 7 mm

0687/102

CERAMIC NOZZLE SET



Nozzle diameter Ø 6 - 7 mm

0305

PART WASHER WITH HEATING SYSTEM

For washing with hot water up to 60° C, with a Venturium pneumatic gun.



| | |
|------------------|-----------------------|
| Tank capacity | 8 ÷ 14 l |
| Avg air cons. | 5 SCFM 145 l / min |
| Working area | 760 x 560 x 380 mm |
| Washing pressure | 5 ÷ 8 Bar |
| Power | 1350 W |
| Dimensions | 790 x 610 x 1260 h mm |
| Net weight | 49 kg |

0486

PARTS WASHER WITH DUAL PUMP

150 l capacity, with 26 W pump, cleaning brush and hose, workpiece tray.

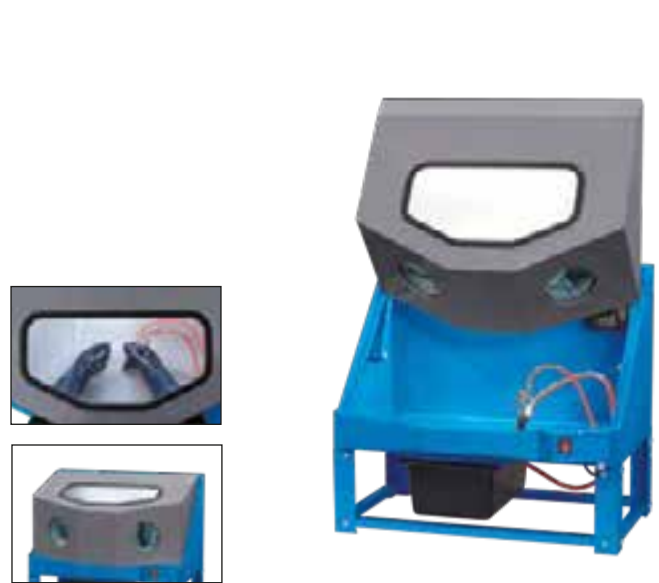


| | |
|--------------------------------|-----------------------|
| Left tank internal dimensions | 470 x 520 x 270 mm |
| Right tank internal dimensions | 590 x 520 x 270 mm |
| Tub capacity | 150 l |
| Pump | 230V 50Hz 26 + 26 W |
| Pump capacity | 10 ÷ 12 l/min |
| Size | 1140 x 550 x 880 h mm |
| Net weight | 43 kg |

0203

BENCH PART WASHER

For washing with water/solvent, with a Venturium pneumatic gun.



| | |
|------------------|---------------------|
| Dimensions | 770 x 595 x 700h mm |
| Tank capacity | 4 ÷ 9 l |
| Avg air cons. | 5 SCFM 145 l / min |
| Working area | 765 x 560 x 380 mm |
| Power | 30 W |
| Washing pressure | 5 ÷ 8 Bar |
| Power | 230 V 50 Hz |
| Net weight | 32 kg |

0038

DEGREASER CLEANING TANK

75 l capacity, with 26 W pump, cleaning brush and hose, workpiece tray.



| | |
|--------------------------|----------------------|
| Internal tank dimensions | 710 x 480 x 260h mm |
| Tub capacity | 75 l |
| Pump | 230 V 50 Hz 26 W |
| Pump capacity | 10÷12 l / min |
| Dimensions | 775 x 540 x 880 h mm |
| Net weight | 25 kg |

0232
DEGREASER CLEANING TANK WITH WHEEL


| | |
|--------------------------|----------------------|
| Internal tank dimensions | 710 x 480 x 200 h mm |
| Tub capacity | 60 l |
| Pump | 230 V 50 Hz 26 W |
| Pump capacity | 10 ÷ 12 l / min |
| Dimensions | 970 x 540 x 930 h mm |
| Net weight | 35 kg |

0392
BENCH MICRO CLEANER

For wall mounting.



| | |
|---------------|----------------------|
| Capacity | 14 l |
| Neon light | 24 V 8 W |
| Pump | 230 V 50 Hz 26 W |
| Pump capacity | 10 ÷ 12 l / min |
| Dimensions | 560 x 545 x 635 h mm |
| Net weight | 25 kg |

0233
MOBILE PARTS WASHER

Made of ABS with rubber seals in NBR.



| | |
|--------------------------|--------------------|
| Internal tank dimensions | 460 x 660 x 260 mm |
| Capacity | 9 l |
| Pump | 230 V 50 Hz 16 W |

0632
DEGREASER CLEANING PNEUMATIC TANK


| | |
|--------------------------|----------------------|
| Internal tank dimensions | 710 x 480 x 200 h mm |
| Height | 1015 mm |
| Tank capacity | 50 l |
| Tub capacity | 65 l |
| Power pressure | 6 Bar |
| Maximum tank pressure | 0.5 Bar |
| Net weight | 38 kg |

0211
TEAR-DOWN WORKBENCH WITH FLUID RECOVERY

Provided in assembly kit, with one drawer equipped with lock, removable bowl and pivoting wheels, 2 with safety brake.



| | |
|---------------------------------|----------------------|
| Dimensions | 1200 x 640 x 872h mm |
| Working table dimensions | 1190 x 635 x 15h mm |
| Drawer dimensions | 420 x 340 x 120h mm |
| Internal tank dimensions | 360 x 260 x 115h mm |
| Internal shelf height | 445 mm |
| Maximum capacity with wheels | 280 kg |
| Maximum capacity without wheels | 350 kg |
| Net weight | 64 kg |

0632/01
PARTS WASHER BRUSH

Not suitable for hydrocarbon based products.



| | |
|----------|----------------|
| Length | 280 mm |
| Diameter | 35 mm |
| Shank | 20 mm x Ø10 mm |

0305/0203/1118
PAIR OF GLOVES FOR PARTS WASHERS

Not suitable for hydrocarbon based products.



| | |
|--------|--------|
| Length | 540 mm |
|--------|--------|

UC01-

NEW

ULTRASONIC CLEANER

The ultrasonic cleaning tank is ideal for deep cleaning of spare parts, metal spare parts in general, mechanical / electronic components and tools. Thanks to the LCD controls it is easy to adjust time and temperature. For general cleaning, the use of water is sufficient; for a deeper cleaning use specific detergents. The tank, entirely made of stainless steel, is hygienic and easy to clean. Internal cleaning basket included.



| Art. | Power | Ultrasonic power | Heating power | Capacity Liters | Emptying mode | Washing time adjustment | Temperature | External Dimensions | Compartment dimensions | Net weight |
|----------|-----------|------------------|---------------|-----------------|---------------|-------------------------|-------------|---------------------|------------------------|------------|
| UC01/20 | 230V 50Hz | 60 W | 100 W | 2 L | Manual | 0 - 99 min | 0C° - 80C° | 190 x 170 x 195 mm | 150 x 140 x 100 mm | 2,1 Kg |
| UC01/32 | 230V 50Hz | 120 W | 100 W | 3,2 L | Manual | 0 - 99 min | 0C° - 80C° | 270 x 170 x 220 mm | 240 x 140 x 100 mm | 3,2 Kg |
| UC01/65 | 230V 50Hz | 180 W | 300 W | 6,5 L | Drain Tap | 0 - 99 min | 0C° - 80C° | 330 x 180 x 280 mm | 300 x 155 x 150 mm | 5,2 Kg |
| UC01/100 | 230V 50Hz | 240 W | 300 W | 10 L | Drain Tap | 0 - 99 min | 0C° - 80C° | 330 x 270 x 280 mm | 300 x 240 x 150 mm | 6,55 Kg |
| UC01/150 | 230V 50Hz | 360 W | 400 W | 15 L | Drain Tap | 0 - 99 min | 0C° - 80C° | 360 x 330 x 280 mm | 330 x 300 x 150 mm | 8,3 Kg |

0632-

DETERGENT LIQUID



| Art. | Contents | Specification |
|----------|----------|-------------------------------------|
| 0632/D | 25 l | Solvent base |
| 0632/DA | 25 l | Water dilutable max. 50% |
| 0632/DCF | 25 l | Water dilutable max. 20%, hot usage |

0632/DCF05

NEW

DETERGENT LIQUID



| | |
|---------------|---|
| Contents | 5 l |
| Specification | Water dilutable max. 20%, hot or ultrasonic usage |



A024/10
WET AND DRY VACUUM CLEANER

With ABS tank, blower function, equipped with accessories.



| | |
|------------|-------------|
| Power | 1,2 kW |
| Capacity | 10 l |
| Motor | 230 V 50 Hz |
| Air flow | 30 ± 2 l/s |
| Net weight | 3,7 kg |

A025/30
WET AND DRY VACUUM CLEANER

With stainless steel tank, blower function, equipped with accessories.



| | |
|------------|-------------|
| Power | 1,2 kW |
| Capacity | 30 l |
| Motor | 230 V 50 Hz |
| Air flow | 28 l / s |
| Net weight | 6 kg |

A040/30A
INDUSTRIAL WET AND DRY VACUUM CLEANER EQUIPPED OF ACCESSORIES

For industrial use, with socket for electronic devices.



| | |
|--------------|-----------------|
| Power | 1,4 kW |
| Capacity | 30 l |
| Motors | 1 (230 V 50 Hz) |
| Air flow | 35 l / s |
| Power socket | 1600 W |
| Net weight | 7,5 kg |

A040/60A
INDUSTRIAL WET AND DRY VACUUM CLEANER EQUIPPED OF ACCESSORIES

For industrial use, with socket for electronic devices.



| | |
|--------------|-----------------|
| Power | 1,4 kW |
| Capacity | 60 l |
| Motors | 1 (230 V 50 Hz) |
| Air flow | 46 l / s |
| Power socket | 1600 W |
| Net weight | 13 kg |

A024/602

60L 2 MOTORS WET AND DRY VACUUM CLEANER

With ABS tank, equipped with accessories.



| | |
|------------|-----------------|
| Power | 2,8 kW |
| Capacity | 60 l |
| Motors | 2 (230 V 50 Hz) |
| Air flow | 30 ±2 l/s |
| Net weight | 12,5 kg |

A040/802

80L 2 MOTORS INDUSTRIAL WET AND DRY VACUUM CLEANER

For industrial use, equipped with accessories.



| | |
|------------|--------------------|
| Power | 2 kW |
| Capacity | 80 l |
| Motors | 2 (230 V 50 Hz) |
| Air flow | 75 l/s |
| Dimensions | 600 x 580 x 950 mm |
| Net weight | 25 kg |

A040/803

80L 3 MOTORS INDUSTRIAL WET AND DRY VACUUM CLEANER

For industrial use, equipped of accessories.



| | |
|------------|--------------------|
| Power | 3 kW |
| Capacity | 80 l |
| Motors | 3 (230 V 50 Hz) |
| Air flow | 96 l/s |
| Dimensions | 600 x 580 x 950 mm |
| Net weight | 28 kg |



ACAS/001

INLET SPONGE FILTER SET FOR VACUUM CLEANER



ACAS/002

HEPA FILTER FOR VACUUM CLEANER



ACAS/003

FLEXIBLE HOSE FOR VACUUM CLEANER



Spare parts 1.5 m hose

ACAS/004

METAL EXTENSION PIPE FOR VACUUM CLEANER



ACAS/005

PAIR OF PLASTIC TUBES FOR VACUUM CLEANER



ACAS/006

INLET SPONGE FILTER SET FOR VACUUM CLEANER



ACAS/007

FILTER FOR VACUUM CLEANER



ACAS/008

PAPER BAG SET FOR VACUUM CLEANER



ACAS/009

FLEXIBLE HOSE FOR VACUUM CLEANER



ACAS/010

BIG BRUSH FOR VACUUM CLEANER



ACAS/011

MULTI FUNCTION BRUSH FOR VACUUM CLEANER



ACAS/012

PAPER BAG SET FOR VACUUM CLEANER



ACAS/013

BAG SET

In paper for vacuum cleaner.



ACAS/014

PLASTIC TUBE SET

For vacuum cleaner



ACAS/015

SMALL BRUSH

For vacuum cleaner.



ACAS/017

INLET SPONGE FILTER SET

For vacuum cleaner.



A040/8037

FLEXIBLE HOSE FOR VACUUM CLEANER



A040/8040

PAIR OF METAL TUBES FOR VACUUM CLEANER



Letter F
Spare parts Couple of metal pipe

A040/8047U

WET BRUSH FOR VACUUM CLEANER



A040/8047S

DRY BRUSH FOR VACUUM CLEANERS



A040/8029

FILTER FOR VACUUM CLEANER



A040/8046

SHORT TIP FOR VACUUM CLEANER



A040/8048

ROUND BRUSH FOR VACUUM CLEANER



Letter D
Spare parts Straight nozzle

M041

PORTABLE PNEUMATIC DOT MARKING MACHINE

With touch screen computer.



| | |
|----------------------------|------------------------|
| Working area | 110 x 40 mm |
| Working speed | 3 - 5 Characters / sec |
| Workpiece allowed hardness | ≤ HRC62 |
| Net weight | 12 kg |

M040

PNEUMATIC DOT MARKING MACHINE

Usb port, windows xp and windows 7 32 bit software.



| | |
|----------------------------|------------------|
| Working area | 110 x 80 mm |
| Working speed | 30 - 40 mm / sec |
| Table dimensions | 320 x 300 mm |
| Workpiece allowed hardness | ≤ HRC62 |
| Net weight | 60 kg |

M040/CF

WIRE CONTROL FOR DOT MARKING MACHINE



M040/CP

FOOT CONTROL FOR DOT MARKING MACHINE



M040/D

DIVIDER FOR DOT MARKING MACHINE



M040/SA

SHAFTS SUPPORT FOR DOT MARKING MACHINE



M040/SP

SUPPORT FOR PLATES FOR DOT MARKING MACHINE



M040/ST

TUBE SUPPORT FOR DOT MARKING MACHINE



P012-L
HRC 58-60 LETTERS


| Art. | Punch dimensions | Shank dimensions |
|----------|------------------|--------------------|
| P012/L03 | 3 mm | 6 x 6 x 60h mm |
| P012/L04 | 4 mm | 7 x 7 x 61h mm |
| P012/L05 | 5 mm | 7,5 x 7,5 x 61h mm |
| P012/L06 | 6 mm | 8,8 x 8,8 x 63h mm |
| P012/L08 | 8 mm | 10 x 10 x 66h mm |

P012-LxP
HRC 58-60 LETTERS

Micro stress.



| Art. | Punch dimensions | Shank dimensions |
|-----------|------------------|--------------------|
| P012/L03P | 3 mm | 7 x 7 x 61h mm |
| P012/L04P | 4 mm | 7,5 x 7,5 x 61h mm |
| P012/L05P | 5 mm | 8,8 x 8,8 x 63h mm |
| P012/L06P | 6 mm | 10 x 10 x 66h mm |
| P012/L08P | 8 mm | 12 x 12 x 70h mm |

P012-N
NUMBERS HRC 58-60


| Art. | Punch dimensions | Shank dimensions |
|----------|------------------|--------------------|
| P012/N03 | 3 mm | 6 x 6 x 60h mm |
| P012/N04 | 4 mm | 7 x 7 x 61h mm |
| P012/N05 | 5 mm | 7,5 x 7,5 x 61h mm |
| P012/N06 | 6 mm | 8,8 x 8,8 x 63h mm |
| P012/N08 | 8 mm | 10 x 10 x 66h mm |

P012-NxP
NUMBERS HRC 58-60

Micro stress.



| Art. | Punch dimensions | Shank dimensions |
|-----------|------------------|--------------------|
| P012/N03P | 3 mm | 7 x 7 x 61h mm |
| P012/N04P | 4 mm | 7,5 x 7,5 x 61h mm |
| P012/N05P | 5 mm | 8,8 x 8,8 x 63h mm |
| P012/N06P | 6 mm | 10 x 10 x 66h mm |
| P012/N08P | 8 mm | 12 x 12 x 70h mm |

P021
ELECTRIC ENGRAVER

 On battery, with 2 diamond tip \varnothing 2.35 mm, light weight easy to use, suitable for engraving glass, ceramic, plastic, wood, inox, brass, aluminum, soft steel.


| | |
|------------------------|--------------|
| Speed | 20000 rpm |
| Length | 160 mm |
| Not included batteries | 2 x 1,5V AAA |

P002
ENGINEER'S SCRIBER WITH METAL BODY AND HARD-METAL POINT


| | |
|--------|--------|
| Length | 153 mm |
|--------|--------|

P005
STEEL ENGINEER'S SCRIBER


| | |
|--------|--------|
| Length | 270 mm |
|--------|--------|



P039

ENGINEER' S SCRIBER

With metal body and hard-metal point.



Telescopic
Length

150 mm

P039/PR

SET HARD-METAL POINT



2 Pcs



Length

40 mm

P020

ELECTRIC VIBRATING ENGRAVER

With vibration adjustment, suitable for engraving glass, ceramic, plastic, wood, inox, brass, aluminum, soft steel.



Vibrations
Power

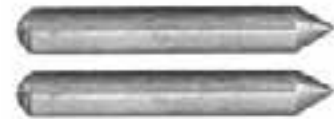
7200 / min
230 V 50 Hz 13 W

P020/P

SPARE PART BIT SET



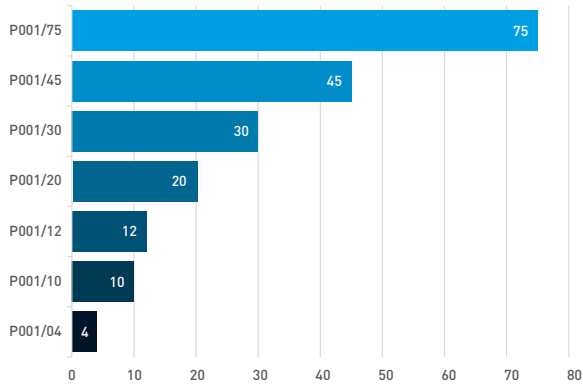
2 Pcs



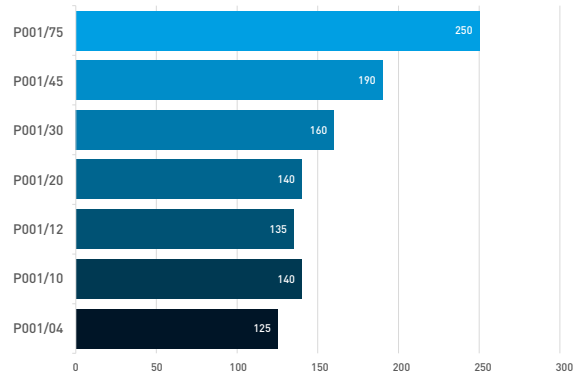
PRESSES



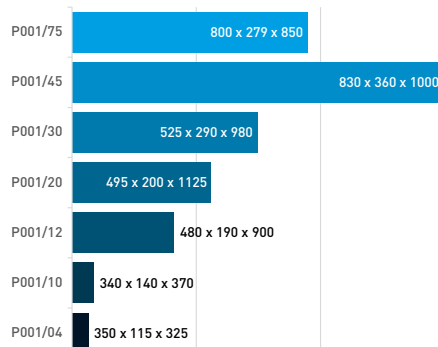
Capacity (Ton)



Ram stroke (mm)



Working area



P001/75

PNEUMATIC HYDRAULIC SHOP PRESS

Equipped with wheeled mobile piston, with winch for bench movement, two-speed manual control and pneumatic servopump with foot control



| | |
|------------------|------------------------|
| Capacity | 75000 kg |
| Working area | 800 x 279 x 850 h mm |
| Ram Ø | 125 mm |
| Ram Ø | 78 mm |
| Ram stroke | 250 mm |
| Working pressure | 0,75 ÷ 0,85 MPa |
| Dimensions | 1140 x 800 x 1896 h mm |
| Net weight | 460 kg |



P001/45

HYDRAULIC SHOP PRESS WITH MANUAL PNEUMATIC CONTROL

With manual winch for bench handling, equipped with manual control and pneumatic servo pump with hand control.



| | |
|------------------|------------------------|
| Capacity | 45000 kg |
| Working area | 830 x 360 x 1000 h mm |
| Cylinder Ø | 90 mm |
| Ram Ø | 58 mm |
| Ram stroke | 190 mm |
| Working pressure | 7÷ 8 Bar |
| Max. pressure | 63,5 MPa |
| Dimensions | 1400 x 800 x 1700 h mm |
| Net weight | 330 kg |



P001/30

HYDRAULIC SHOP PRESS

With two speed pump and movable piston.



| | |
|---------------|-----------------------|
| Capacity | 30000 kg |
| Working area | 525 x 290 x 980h mm |
| Cylinder Ø | 92 mm |
| Ram Ø | 56 mm |
| Ram stroke | 160 mm |
| Max. pressure | 69 MPa |
| Dimensions | 875 x 700 x 1780 h mm |
| Net weight | 145 kg |



P001/20
HYDRAULIC SHOP PRESS

With moveable piston.



| | |
|---------------|-----------------------|
| Capacity | 20000 kg |
| Working area | 495 x 200 x 1125 h mm |
| Cylinder Ø | 75 mm |
| Ram Ø | 48 mm |
| Ram stroke | 140 mm |
| Max. pressure | 69.3 MPa |
| Dimensions | 690 x 600 x 1830 h mm |
| Net weight | 94 kg |


P001/12
HYDRAULIC SHOP PRESS

With movable piston.



| | |
|---------------|-----------------------|
| Capacity | 12000 kg |
| Working area | 480 x 190 x 900 h mm |
| Cylinder Ø | 56 mm |
| Ram Ø | 38 mm |
| Ram stroke | 135 mm |
| Max. pressure | 69 MPa |
| Dimensions | 730 x 550 x 1600 h mm |
| Net weight | 60 kg |


P001/10
HYDRAULIC SHOP PRESS

With bench and movable piston.



| | |
|---------------|-----------------------|
| Capacity | 10000 kg |
| Working area | 340 x 140 x 370 h mm |
| Cylinder Ø | 56 mm |
| Ram Ø | 38 mm |
| Ram stroke | 130 mm |
| Max. pressure | 69 MPa |
| Dimensions | 565 x 500 x 1040 h mm |
| Net weight | 52 kg |


P001/04
HYDRAULIC SHOP PRESS

Counter top, 4 ton, for bearings.



| | |
|---------------|----------------------|
| Capacity | 4000 kg |
| Working area | 350 x 115 x 325 h mm |
| Cylinder Ø | 40 mm |
| Ram Ø | 25 mm |
| Ram stroke | 125 mm |
| Max. pressure | 51 MPa |
| Dimensions | 450 x 400 x 655 h mm |
| Net weight | 30 kg |



P022-

RATCHET ARBOR PRESS

With removeable revolving table.



| Art. | Capacity | Max height piece | Max Ø piece | Arbor size | Net weight |
|---------|----------|------------------|-------------|------------|------------|
| P022/05 | 5000 N | 90 mm | 160 mm | 19 x 19 mm | 8 kg |
| P022/10 | 10000 N | 100 mm | 180 mm | 25 x 25 mm | 12 kg |
| P022/20 | 20000 N | 170 mm | 260 mm | 30 x 30 mm | 27 kg |

P029-

RATCHET ARBOR PRESS

With removeable revolving table.



| Art. | Capacity | Dimensions | Max height piece | Max ø piece | Arbor size | Net weight |
|--------|----------|---------------------|------------------|-------------|------------------------------|------------|
| P029/2 | 15000 N | 390 x 160 x 720h mm | 190 mm | 180 mm | 30 x 30 mm foro 10 mm | 42 kg |
| P029/3 | 25000 N | 450 x 200 x 870h mm | 290 mm | 250 mm | 37,5 x 37,5 mm foro 13.80 mm | 60 kg |

P028-

HAND PUNCH

With spring loaded return.



| Art. | Capacity | Dimensions | Max height piece | Max ø piece | Spindle travel | Net weight |
|---------|----------|---------------------|------------------|-------------|----------------|------------|
| P028/07 | 1500 N | 240 x 155 x 335h mm | 230 mm | 150 mm | 50 mm | 8,5 kg |
| P028/14 | 2000 N | 280 x 170 x 760h mm | 275 mm | 180 mm | 70 mm | 18 kg |

0485

SHOP PRESS PIN SET



8 Pcs

Pins head size 24,7 mm

0054/10
HYDRAULIC BODY FRAME REPAIR KIT


| | |
|------------|--------|
| Capacity | 10 ton |
| Ram length | 330 mm |
| Ram stroke | 130 mm |
| Net weight | 30 kg |

0054/4
HYDRAULIC BODY FRAME REPAIR KIT


| | |
|------------|--------|
| Capacity | 4 ton |
| Ram length | 270 mm |
| Ram stroke | 120 mm |
| Net weight | 19 kg |

0664
HYDRAULIC PUMP WITH PNEUMATIC PEDAL CONTROL

Useful for shop press, trolley jacks and rams.



| | |
|---------------------|-----------|
| Rated pressure | 70 MPa |
| Working pressure | 7 ÷ 8 bar |
| Usable oil capacity | 690 ml |
| Air consumption | 10 SCFM |
| Net weight | 8 kg |

0271
HYDRAULIC PUMP

With pump activation pedal.



| | |
|---------------------|----------|
| Rated pressure | 63,7 MPa |
| Usable oil capacity | 790 ml |
| Hose length | 1500 mm |
| Net weight | 7 kg |

0663
PULL BACK RAM


| | |
|---------------|---------|
| Capacity | 5 ton |
| Length Closed | 560 mm |
| Length Open | 690 mm |
| Spindle | ø 33 mm |
| Swing | 130 mm |
| Net weight | 5,5 kg |



0567
LOW PROFILE HYDRAULIC TROLLEY JACK

2 tons, made of steel.



| | |
|------------|----------------------|
| Capacity | 2 ton |
| Lifting | 90 ÷ 385 mm |
| Dimensions | 580 x 165 x 235 h mm |
| Net weight | 13 kg |

0457
LOW PROFILE JACK

2 tons, made of steel, with round handle.



| | |
|------------|--------------------|
| Capacity | 2 ton |
| Lifting | 70 ÷ 500 mm |
| Dimensions | 785 x 350 x 152 mm |
| Net weight | 41 kg |

0369
HYDRAULIC TROLLEY JACK

Dual pump, with removeable saddle and rubber pad.



| | |
|------------|--------------------|
| Capacity | 3,5 ton |
| Dimensions | 745 x 335 x 180 mm |
| Lifting | 110 ÷ 560 mm |
| Net weight | 46 kg |

0375A
LOW PROFILE HYDRAULIC TROLLEY JACK

2,5 ton, double pump quick lift, with load limiter.



| | |
|------------|----------------------|
| Capacity | 2.5 ton |
| Lifting | 75 ÷ 500 mm |
| Dimensions | 680 x 345 x 220 h mm |
| Net weight | 32,5 kg |

0065A
HYDRAULIC TROLLEY JACK

With removable saddle.



| | |
|------------|--------------------|
| Capacity | 3 ton |
| Dimensions | 660 x 345 x 260 mm |
| Lifting | 140 ÷ 515 mm |
| Net weight | 33 kg |

C038/30
HYDRAULIC TROLLEY JACK


| | |
|------------|---------------------|
| Capacity | 3 ton |
| Dimensions | 572 x 328 x 175h mm |
| Lifting | 130 ÷ 465 mm |
| Net weight | 28 kg |



0060

HYDRAULIC TROLLEY JACK

Metal body frame. Handle for hand carrying. Extendable lever.



| | |
|------------|--------------------|
| Capacity | 2 ton |
| Dimensions | 535 x 225 x 145 mm |
| Lifting | 135 ÷ 385 mm |
| Net weight | 11 kg |

C039/25

HYDRAULIC TROLLEY JACK

Aluminium and steel hydraulic trolley jack with double pump.



| | |
|------------|----------------------|
| Capacity | 2.5 ton |
| Dimensions | 659 x 289 x 165 h mm |
| Lifting | 110 ÷ 460 mm |
| Net weight | 27 kg |

C039/15

HYDRAULIC TROLLEY JACK

Aluminium and steel hydraulic trolley jack with double pump.



| | |
|------------|----------------------|
| Capacity | 1.5 ton |
| Dimensions | 490 x 270 x 130 h mm |
| Lifting | 90 ÷ 358 mm |
| Net weight | 15 kg |

0658

HYDRAULIC JACK



| | |
|-----------------------|--------------|
| Capacity | 10 ton |
| Lifting range of foot | 30 ÷ 260 mm |
| Lifting range of head | 420 ÷ 665 mm |
| Net weight | 30 kg |

0067

COUPLE JACK STAND

Height adjustable with fixing pin.



| | |
|------------|--------------------------|
| Capacity | 2 ton |
| Heights | 240 - 270 - 320 - 365 mm |
| Net weight | 3 kg |

0069-

COUPLE JACK STAND



| Art. | Capacity | Height min - max | Base dimensions | Net weight |
|---------|----------|------------------|-----------------|------------|
| 0069/3 | 3 ton | 298 ÷ 428 mm | 190 x 210 mm | 6,5 kg |
| 0069/6 | 6 ton | 400 ÷ 610 mm | 260 x 285 mm | 13 kg |
| 0069/10 | 10 ton | 468 ÷ 718 mm | 290 x 328 mm | 29 kg |

0021/1
HYDRAULIC FOLDING CRANE

With two pivoting wheels with brakes, cast iron wheels. Lowering system and pumping lever arranged laterally. The ability to fold the legs when not in use allows it to be stored in confined spaces.



| | |
|-------------------------------|--------------------------------------|
| Capacity | 1000 kg |
| Dimensions | 1555 x 1010 x 1455h mm |
| Fold dimensions | 720 x 490 x 1520h mm |
| Min/max boom extension | 715 ÷ 990 mm |
| Hook heights with raised arm | 1800 mm @ 1000 kg 1970 mm @ 250 kg |
| Hook heights with lowered arm | 160 mm @ 250 kg 400 mm @ 1000 kg |
| Front opening | 890 mm |
| Net weight | 64,5 kg |

0063
HYDRAULIC FOLDING CRANE

With two pivoting wheels and rear pad brake, lowering system and pumping lever placed in the rear, cast iron wheels. The ability to fold the legs when not in use allows it to be stored in confined spaces.



| | |
|-------------------------------|--------------------------------------|
| Capacity | 1000 kg |
| Dimensions | 1800 x 1000 x 1500h mm |
| Fold dimensions | 800 x 860 x 1600h mm |
| Min/max boom extension | 680 ÷ 1220 mm |
| Hook heights with raised arm | 2100 mm @ 1000 kg 2550 mm @ 250 kg |
| Hook heights with lowered arm | 0 mm @ 250 kg 480 mm @ 1000 kg |
| Front opening | 800 mm |
| Net weight | 90 kg |

0021/2
HYDRAULIC FOLDING CRANE

With two pivoting wheels with brakes, cast iron wheels. Lowering system and pumping lever arranged laterally. The ability to fold the legs when not in use allows it to be stored in confined spaces.



| | |
|-------------------------------|--------------------------------------|
| Capacity | 2000 kg |
| Dimensions | 1730 x 1025 x 1400h mm |
| Fold dimensions | 760 x 760 x 1635h mm |
| Min/max boom extension | 750 ÷ 1280 mm |
| Hook heights with raised arm | 1870 mm @ 2000 kg 2280 mm @ 500 kg |
| Hook heights with lowered arm | 0 mm @ 500 kg 430 mm @ 2000 kg |
| Front opening | 910 mm |
| Net weight | 90,5 kg |

0094
TRANSMISSION JACK

With load limiter, cross support and tilt support to better align and position gearboxes and differentials.



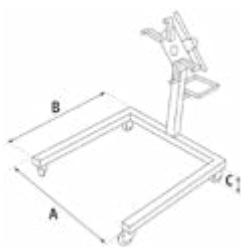
| | |
|------------------|---------------------|
| Capacity | 500 kg |
| Dimensions | 1190 x 700 x 660 mm |
| Min - Max height | 1190 ÷ 2000 mm |
| Net weight | 32,5 kg |



S033

ENGINE STAND

2 swivel wheels with brake and 2 fixed cast iron wheels, possibility to tilt the engine. Equipped with rotating small parts shelf.

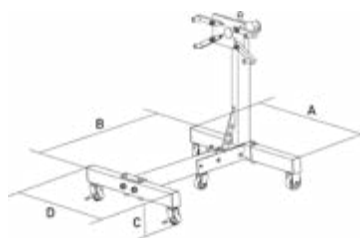


| | |
|------------|---------------------|
| Capacity | 600 kg |
| Dimensions | 1200 x 840 x 930 mm |
| Net weight | 27,5 kg |
| A | 720 mm |
| B | 840 mm |
| C | 170 mm |

S068

ENGINE STAND

2 swivel wheels with brake and 2 fixed cast iron wheels, possibility to tilt the engine. The ability to fold it when not in use allows it to be stored in confined spaces.



| | |
|------------|--------------------|
| Capacity | 680 kg |
| Dimensions | 860 x 830 x 900 mm |
| Net weight | 31 kg |
| A | 820 mm |
| B | 810 mm |
| C | 180 mm |
| D | 680 mm |

S019

ENGINE STAND

2 wheels with breaks and 2 fix wheels, possibility to tilt the motor.



| | | | |
|------------|--------------------|---|--------|
| Capacity | 450 kg | B | 810 mm |
| Dimensions | 865 x 810 x 870 mm | C | 150 mm |
| Net weight | 21 kg | D | 450 mm |
| A | 780 mm | | |

S024

ENGINE SUPPORT

Engine support holds your engine or transmission in place during heavy automotive repairs, used to support the engine while removing gear box, transmission, replacing clutch and all motor mounts. Rubber feet for safe hold of motor, easy regulation for hold engine in its place in the car. swivel and tilting holders.



| | |
|------------------|---------------|
| Capacity | 500 kg |
| Adjusting height | 205 mm |
| Bed length | 730 ÷ 1480 mm |
| Net weight | 13 kg |

0147

SHOP CRANE LEVELER

Shop crane and crane leveler, easy to use, just crank to level, tilts forward and backward for easy motor mount alignment



| | |
|---------------------|--------|
| Capacity | 680 kg |
| Width | 440 mm |
| Max stroke of slide | 330 mm |
| Chain | 350 mm |
| Net weight | 5 kg |

R015

CAR RAMPS SET

Set consisting of two solid ramps to facilitate work under vehicles. These small ramps are suitable for the most common models of small cars and SUVs or even longer vehicles. Made of polypropylene, the wedges are significantly more reliable than steel ramps. In addition, thanks to their non-slip structure, they offer excellent stability. Lightweight and well-shaped, the ramps are easy to transport and space-saving.



| | |
|------------------|--------------------|
| Dimensions | 905 x 330 x 218 mm |
| Capacity | 2,5 ton |
| Max tire width | 240 mm |
| Min - Max height | 170 mm |
| Tilting | 15° |
| Net weight | 8 kg |

0649-
ALUMINUM RAMPS

In aluminum with non-slip floors. Load 170kg.



| Art. | Dimensions | Capacity | Max Working angle | Max Working height | Net weight |
|-----------|---------------|----------|-------------------|--------------------|------------|
| 0649/1500 | 1520 x 735 mm | 170 kg | 12,5 % (7°) | 180 mm | 13,5 kg |
| 0649/1800 | 1800 x 735 mm | 150 kg | 12,5 % (7°) | 220 mm | 16 kg |

0594
OIL DRAINER WITHOUT TANK

With wheels, to use under lifts, for waste oil.



| | |
|-----------------|--------------|
| Base dimensions | 390 x 390 mm |
| Height max | 1700 mm |
| Net weight | 13 kg |

0595
OIL DRAINER

With tank and wheels, to use under lifts, for waste oil.



| | |
|-----------------------|----------------|
| Tank capacity | 70 l |
| Height min - max | 1170 ÷ 1860 mm |
| Maximum tank pressure | 0.45 bar |
| Net weight | 23 kg |

0596
PNEUMATIC OIL DRAINER

With wheels and different size of suction probes, for waste oil, for use under lifts too.



| | |
|-------------------------|---|
| Tank capacity | 70 l |
| Measuring tank capacity | 10 l |
| Height max | 1500 mm |
| Metal probe | 2 x ø6 mm x 695 mm |
| Nylon probe | 2 x ø6 mm x 680 mm 2 x ø8 mm x 700 mm |
| Suction | ø6 x 4,5 mm - 0,4 ÷ 0,8 l/min ø8 x 6,5 mm - 1 ÷ 1,6 l/min |
| Rubber hose length | Suction 1500 mm Drain 2050 mm |
| Power pressure | 8 ÷ 10 bar |
| Maximum tank pressure | 0.45 bar |
| Net weight | 25 kg |

0630/2720**12V ELECTRIC WINCH - DIRECT CURRENT**

Permanent magnet motor, metal frame, strong cable, with anti unwinding device and cable guide. To be used only for horizontal pulling, not suitable for lifting.

| | |
|----------------------|---------------------|
| Rated line pull | 2720 kg |
| Speed | 1,3 - 4,5 m / min |
| Motor | 12 V 1,3 kW 1,8 hp |
| Gear Reduction ratio | 294:1 |
| Cable size | Ø 7,2 mm x 32 m |
| Drum dimensions | Ø 63 x 228 mm |
| Overall dimensions | 520 x 180 x 175h mm |
| Net weight | 29 kg |

**0630/2200****12V ELECTRIC WINCH - DIRECT CURRENT**

Permanent magnet motor, metal frame, strong cable, with anti unwinding device and cable guide. To be used only for horizontal pulling, not suitable for lifting.

| | |
|----------------------|---------------------|
| Rated line pull | 2000 kg |
| Speed | 1,5 - 3,6 m / min |
| Motor | 12 V 1,0 kW 1,3 hp |
| Gear reduction ratio | 172:1 |
| Cable size | Ø 6,4 mm x 14,5 m |
| Drum dimensions | Ø 45 x 97 mm |
| Overall dimensions | 364 x 126 x 141h mm |
| Net weight | 13 kg |

**0630/0900****12V ELECTRIC WINCH - DIRECT CURRENT**

Permanent magnet motor, metal frame, hook with pulley for double pull, resistant cable, with anti unwinding device and cable guide. To be used only for horizontal pulling, not suitable for lifting.

| | |
|----------------------|---------------------|
| Rated line pull | 450 / 900 kg |
| Speed | 1,3 - 3,2 m / min |
| Motor | 12 V 0,7 kW 0,9 hp |
| Gear reduction ratio | 153:1 |
| Cable size | Ø 4 mm x 15 m |
| Drum dimensions | Ø 31,5 x 73 mm |
| Overall dimensions | 285 x 105 x 105h mm |
| Net weight | 6.7 kg |



S029
ELECTRO-HYDRAULIC MOTORCYCLE LIFT TABLE


| | |
|-------------------------|--------------------------------------|
| Max lifting capacity | 600 kg |
| Platform dimensions | 2200 x 750 mm |
| Total length | 2995 mm |
| Service hole dimensions | 550 x 340 mm |
| Min - Max height | 260 - 520 - 625 - 710 - 780 - 840 mm |
| Vice | 330 x 320 mm |
| Vice opening | 40 ÷ 180 mm |
| Motor | 230 V 50 Hz 550 W |
| Net weight | 225 kg |

S029P
ELECTRO-HYDRAULIC MOTORCYCLE LIFT TABLE

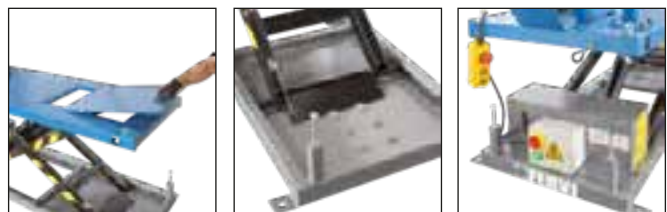
With pump and separate control system that give the possibility to position it at floor level.



| | |
|-------------------------|--------------------------------------|
| Max lifting capacity | 600 kg |
| Platform dimensions | 2200 x 750 mm |
| Total length | 2995 mm |
| Service hole dimensions | 550 x 340 mm |
| Min - Max height | 215 - 520 - 625 - 710 - 780 - 840 mm |
| Vice | 330 x 320 mm |
| Vice opening | 40 ÷ 180 mm |
| Motor | 230 V 50 Hz 550 W |
| Net weight | 240 kg |

S027
ELECTRO-HYDRAULIC MOTORCYCLE LIFT TABLE


| | |
|-------------------------|-------------------|
| Max lifting capacity | 600 kg |
| Platform dimensions | 1800 x 600 mm |
| Total length | 2600 mm |
| Service hole dimensions | 550 x 340 mm |
| Min - Max height | 260 ÷ 880 mm |
| Vice | 330 x 320 mm |
| Vice opening | 40 ÷ 200 mm |
| Motor | 230 V 50 Hz 550 W |
| Net weight | 150 kg |

S027ATV
ELECTRO-HYDRAULIC ATV & MOTORCYCLE LIFT TABLE


| | |
|-------------------------|-------------------|
| Max lifting capacity | 600 kg |
| Platform dimensions | 1800 x 1200 mm |
| Total length | 2600 mm |
| Service hole dimensions | 550 x 340 mm |
| Min - Max height | 260 ÷ 880 mm |
| Vice | 330 x 320 mm |
| Vice opening | 40 ÷ 200 mm |
| Motor | 230 V 50 Hz 550 W |
| Net weight | 235 kg |



S008/M

HYDRAULIC MOTORCYCLE LIFT TABLE

With foot pump.



| | |
|----------------------|---------------|
| Max lifting capacity | 400 kg |
| Platform dimensions | 1825 x 660 mm |
| Total length | 2500 mm |
| Min - Max height | 195 ÷ 750 mm |
| Vice | 410 x 100 mm |
| Vice opening | 210 x 50 mm |
| Net weight | 133 kg |

0452

MOTORCYCLE SCISSORS LIFT

Scissor support stand suitable for use on the floor or on a motorcycle lift to repair bikes, with 2 height adjustable and removable sliding supports.



| | |
|----------------------|--------------|
| Max lifting capacity | 400 kg |
| Platform dimensions | 450 x 150 mm |
| Min - Max height | 95 ÷ 400 mm |
| Stand height | 55 - 80 mm |
| Hexagon | 22 mm |
| Net weight | 14 kg |

0241

MOTORCYCLE WHEEL BLOCK

Strong body, simple and easy use, adjustable wheel size, safety lock.



| | |
|----------------------|---------------------|
| Wheel outer diameter | 381 - 533 mm |
| Overall dimensions | 730 x 468 x 440h mm |
| Net weight | 10 kg |

S013

HYDRAULIC LIFT TABLE

With foot pump and pneumatic control.



| | |
|----------------------|----------------|
| Max lifting capacity | 600 kg |
| Platform dimensions | 2000 x 1220 mm |
| Total length | 2575 mm |
| Min - Max height | 185 ÷ 825 mm |
| Net weight | 230 kg |

0430

MOTORCYCLE DOLLY

Powder coated steel. it is suitable for motorcycles and scooters that have the side stand. it allows you to move and to park your bike in tight spaces



| | |
|------------------|---------|
| Maximum capacity | 300 kg |
| Length | 1929 mm |
| Net weight | 33 kg |

0217

VEHICLE POSITIONING JACK

With wheel positioning brakes.



| | |
|--------------------|---------------------|
| Capacity | 680 kg |
| Lateral stroke | 370 mm |
| Working range | 710 - 340 mm |
| Max tire width | 325 mm |
| Overall dimensions | 730 x 468 x 440h mm |
| Net weight | 15 kg |

S017
UNIVERSAL TELESCOPIC CART

Adjustable in height and length, made of square steel pipes, after use it can be stored in small space, upper sides with rubber to prevent scratches and give more stability to the leaned object, 4 swivel casters of which 2 with brake, ideal for the car body repair, for repairing and spraying area



| | |
|------------------|---------------|
| Height min - max | 840 ÷ 1320 mm |
| Length | 225 ÷ 1380 mm |
| Width | 860 mm |
| Capacity | 100 kg |
| Net weight | 26 kg |

0645/CC
THREE-DRAWER CAR SEAT

Equipped with 3 drawers with bearings, 3 can trays and a small frontal tray, 4 pivoting wheels.



| | |
|-------------------|-------------------------|
| Dimensions | 370 x 400 x 367h mm |
| Drawer dimensions | 3 - 150 x 300 x 40 h mm |
| Net weight | 8 kg |

0645/C
6 WHEELS CAR CREEPER


| | |
|------------|----------------------|
| Dimensions | 1030 x 420 x 100h mm |
| Net weight | 6,5 kg |

0645/S
SHOP SEAT

With pivoting wheels, tool holder base, seat with padding.



| | |
|------------|--------------------|
| Dimensions | 440 x 375 x 400 mm |
| Net weight | 4,2 kg |

0645/CP
PLASTIC CREEPER

Shockproof, with 6 wheels.



| | |
|------------|----------------------|
| Dimensions | 1000 x 470 x 120h mm |
| Net weight | 4,8 kg |

0645/SS
2 IN 1 CREEPER AND SEAT


| | |
|--------------------|----------------------|
| Creeper dimensions | 1020 x 410 x 150h mm |
| Seat dimensions | 550 x 410 x 500h mm |
| Net weight | 9 kg |

**0256-****HYDRAULIC RAM**

| Art. | Maximum capacity | Working pressure | Min-max lifting height | Spindle | Ram stroke | Dimensions | Net weight |
|---------|------------------|------------------|------------------------|---------|------------|--------------|------------|
| 0256/05 | 5 ton | 63 Mpa | 33 ÷ 39 mm | ø 24 mm | 6 mm | 45 x 95 mm | 0,6 kg |
| 0256/10 | 10 ton | 63.7 Mpa | 44 ÷ 55 mm | ø 38 mm | 11 mm | 56 x 118 mm | 1,3 kg |
| 0256/20 | 20 ton | 63.7 Mpa | 52 ÷ 63 mm | ø 50 mm | 11 mm | 76 x 138 mm | 2,6 kg |
| 0256/30 | 30 ton | 63.7 Mpa | 60 ÷ 72 mm | ø 63 mm | 12 mm | 95 x 158 mm | 4,4 kg |
| 0256/50 | 50 ton | 63.7 Mpa | 66 ÷ 78 mm | ø 70 mm | 12 mm | 118 x 186 mm | 6,7 kg |

0062-**BOTTLE JACK**

Hydraulic jack. It provides an excellent stability thanks to its small size. Easy to carry and use.



| Art. | Capacity | Min. height | Lifting | Adjusting height | Base dimensions | Ram diameter | Net weight |
|---------|----------|-------------|---------|------------------|-----------------|--------------|------------|
| 0062/2 | 2 ton | 181 mm | 116 mm | 48 mm | 90 x 85 mm | ø 22 mm | 2,7 kg |
| 0062/5 | 5 ton | 220 mm | 127 mm | 70 mm | 115 x 100 mm | ø 32 mm | 4,3 kg |
| 0062/10 | 10 ton | 230 mm | 150 mm | 80 mm | 125 x 110 mm | ø 40 mm | 6,5 kg |
| 0062/15 | 15 ton | 230 mm | 150 mm | 80 mm | 140 x 135 mm | ø 48 mm | 8,3 kg |
| 0062/20 | 20 ton | 242 mm | 150 mm | 60 mm | 155 x 145 mm | ø 53 mm | 10,5 kg |
| 0062/32 | 32 ton | 285 mm | 180 mm | - | 170 x 160 mm | ø 56 mm | 13,5 kg |
| 0062/50 | 50 ton | 295 mm | 180 mm | - | 215 x 175 mm | ø 85 mm | 29 kg |



0010
LIFT TROLLEY

With foldable handle, mechanical blocking system of the platform, swivel wheels with brakes.



| | |
|------------------|-------------------|
| Capacity | 500 kg |
| Table dimensions | 850 x 500 x 50 mm |
| Lifting | 290 ÷ 880 mm |
| Net weight | 86 kg |


0075
LIFT TROLLEY

With foldable handle with mechanical blocking system, swivel wheels with brakes.



| | |
|------------------|-------------------|
| Capacity | 300 kg |
| Table dimensions | 850 x 500 x 50 mm |
| Lifting | 290 ÷ 880 mm |
| Net weight | 78 kg |


0467
HIGH LIFT TROLLEY

With double scissor action, mechanical blocking system of the platform, swivel wheels with brakes.



| | |
|------------------|-------------------|
| Capacity | 350 kg |
| Table dimensions | 910 x 500 x 53 mm |
| Lifting | 370 ÷ 1300 mm |
| Net weight | 92 kg |



C650

THREE SHELVES TROLLEY

Strong and easy to assemble, 2 swivel and 2 fixed casters.



| | |
|-----------------|---------------------|
| Dimensions | 800 x 450 x 800h mm |
| Steel thickness | 1.5 mm |
| Wheels | ø 80 mm |
| Capacity | 100 kg |
| Net weight | 17 kg |

C750

THREE SHELVES TROLLEY

Strong and easy to assemble, 2 swivel and 2 fixed casters.



| | |
|-----------------|---------------------|
| Dimensions | 940 x 600 x 870h mm |
| Steel thickness | 2,3 mm |
| Wheels | ø 150 mm |
| Capacity | 200 kg |
| Net weight | 52 kg |

C065/2

PP TWO SHELVES TOOL CART

Light weight, strong and easy to assemble, 2 swivel and 2 fixed casters.



| | |
|---------------------|----------------------|
| Dimensions | 1010 x 440 x 840h mm |
| Wheels | ø 125 mm |
| Capacity | 250 kg |
| Working temperature | -20°C a +50°C |
| Net weight | 15,5 kg |

C075/2

PP TWO SHELVES TOOL CART

Light weight, strong and easy to assemble, 2 swivel and 2 fixed casters.



| | |
|------------|----------------------|
| Dimensions | 1170 x 652 x 840h mm |
| Wheels | ø 125 mm |
| Capacity | 250 kg |
| Net weight | 22,5 kg |

C009

CART WITH WOODEN SHELF

Cart made of steel, with 2 fixed wheels and 2 swivel wheels with brake.



| | |
|--------------------|-----------------------|
| Overall dimensions | 1000 x 800 x 810 h mm |
| Steel thickness | 2 mm |
| Plate thickness | 36 mm |
| Wheels | ø 150 mm |
| Capacity | 150 kg |
| Net weight | 52 kg |

Cx

PVC PLATFORM TROLLEY

With foldable handle, 2 fixed casters and 2 swivel casters.



| Art. | Wheels | Capacity | Platform dimensions | Height | Net weight |
|------|----------|----------|---------------------|--------|------------|
| C150 | ø 100 mm | 150 kg | 700 x 450 mm | 820 mm | 7,8 kg |
| C300 | ø 125 mm | 300 kg | 900 x 600 mm | 890 mm | 13,4 kg |

C170P
NEW
FOLDING ALUMINIUM HAND TRUCK

Folding hand truck with automatic opening through a simple push on the toe plate. Automatic locking in the open or closed position. Telescopic structure and toe plate in aluminum.



| | |
|----------------------|----------------------|
| Wheel sizes | Ø 125 x 28 mm |
| Hole diameter | 6 mm |
| Capacity | 70 kg |
| Toe plate dimensions | 385 x 275 mm |
| Net weight | 3,00 kg |
| Dimensions | 385 x 410 x 985 h mm |
| Overall dimensions | 385 x 55 x 635 h mm |

C1101
NEW
HAND TRUCK WITH SOLID WHEELS

For flower pots and boxes, safety handles, epoxy painting.



| | |
|----------------------|-----------------------|
| Wheel sizes | Ø 200 x 40 mm |
| Hole diameter | 12 mm |
| Capacity | 80 kg |
| Toe plate dimensions | 350 x 180 mm |
| Net weight | 5,70 kg |
| Dimensions | 460 x 370 x 1000 h mm |

C1102
NEW
HAND TRUCK WITH PNEUMATIC WHEELS

For flower pots and boxes, safety handles, epoxy painting.



| | |
|----------------------|---------------|
| Pneumatic wheels | Ø 260 x 85 mm |
| Capacity | 200 kg |
| Toe plate dimensions | 450 x 215 mm |
| Net weight | 8,5 kg |

C182
ALUMINIUM HAND TRUCK WITH PNEUMATIC WHEELS

Aluminium.



| | |
|----------------------|---------------|
| Pneumatic wheels | Ø 260 x 85 mm |
| Capacity | 200 kg |
| Toe plate dimensions | 300 x 205 mm |
| Net weight | 6 kg |

C189
MULTIFUNCTION HAND TRUCK

With pneumatic wheels for firewood, pots, boxes and other objects. strong, easy to handle and versatile. Plastic handles.



| | |
|----------------------|---------------|
| Pneumatic wheels | Ø 260 x 85 mm |
| Capacity | 150 kg |
| Toe plate dimensions | 400 x 250 mm |
| Movable grid | 340 x 390 mm |
| Net weight | 11,5 kg |

C183
NEW
STAIR-CLIMBING HAND TRUCK

Safety handles, epoxy painting.



| | |
|----------------------|-----------------------|
| Wheel sizes | Ø 155 x 42 mm |
| Hole diameter | 16 mm |
| Capacity | 200 kg |
| Toe plate dimensions | 310 x 220 mm |
| Net weight | 13,5 kg |
| Dimensions | 500 x 620 x 1180 h mm |



C184

NEW

2-IN-1 HAND TRUCK

Can be used in two positions to facilitate the handling of heavy and bulky loads.



| | |
|----------------------|---|
| Pneumatic wheels | Ø 260 x 83 mm |
| Mobile wheels | Ø 100 x 23 mm |
| Hole diameter | 20 mm - 10 mm |
| Capacity | 250 kg |
| Toe plate dimensions | 390 x 140 mm |
| Movable grid | 325 x 335 mm |
| Platform dimensions | 380 x 850 mm |
| Net weight | 12 kg |
| Dimensions | 590 x 420 x 1117 h mm - 590 x 1117 x 1050 h mm |

P019

FOLDING ANTISLIP PLATFORM

Antislip professional, made of aluminum, easy to use, suitable for a wide range of activities in different sectors, such as: home, auto and others.



| | |
|---------------------|-----------------|
| Capacity | 150 kg |
| Dimensions | 1260x380x500 mm |
| Platform dimensions | 950x300 mm |
| Net weight | 7,5 kg |

0237-

LEVER CHAIN HOIST



| Art. | Capacity | Lifting | Net weight |
|---------|----------|---------|------------|
| 0237/05 | 500 kg | 1500 mm | 5 kg |
| 0237/15 | 1500 kg | 1500 mm | 10 kg |

0461

POLYURETHANE WHEEL

260 x 85 mm not pierceable, with Ø 20 mm bearing and adapter from 20 mm to 18 mm, for hand trucks with 18-20 mm wheel shaft.



| | |
|-------------|-------------------|
| Wheel sizes | 250 x 75 mm |
| Hole sizes | Ø 20 - 18 x 74 mm |

0056-

CHAIN HOIST



| Art. | Capacity | Lifting | Net weight |
|--------|----------|---------|------------|
| 0056/1 | 1000 kg | 3000 mm | 11 kg |
| 0056/2 | 2000 kg | 3000 mm | 20 kg |

0236

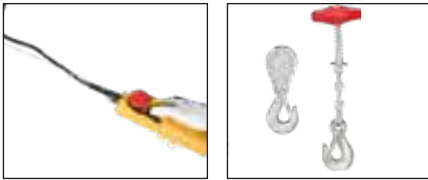
HOIST ARM



| | |
|---------------|-------------------------|
| Capacity | 300 kg |
| Arm length | 750 mm |
| Slot distance | 380 mm |
| Stem | 45 X 45 mm ² |
| Net weight | 6 kg |

0602
ELECTRIC CABLE HOIST

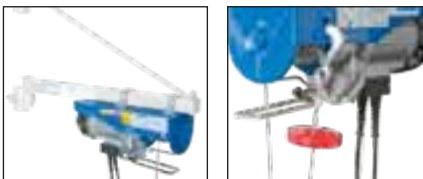
With steel cable and mechanical limit switch.



| | |
|--------------|------------------|
| Capacity | 200 / 400 kg |
| Cable length | 18 m |
| Speed | 8 m/min |
| Motor | 230 V 50 Hz 1 kW |
| Net weight | 16,7 kg |


0600
ELECTRIC CABLE HOIST

With steel cable and mechanical limit switch



| | |
|--------------|---------------------|
| Capacity | 200 / 400 kg |
| Cable length | 18 m |
| Speed | 8 m / min |
| Motor | 230 V 50 Hz 0,75 kW |
| Net weight | 16,7 kg |


Sx
MAGNETIC LIFTER

Neodymium.

| Art. | Maximum capacity | Round bar lifting cap. | Min-max lifting diameter | Dimensions | Net weight |
|-------|------------------|------------------------|--------------------------|------------------------|------------|
| S0300 | 300 kg | 100 kg | 50 ÷ 300 mm | 189 x 163 x 92 (B) mm | 9,5 kg |
| S0600 | 600 kg | 200 kg | 70 ÷ 400 mm | 267 x 198 x 129 (B) mm | 19 kg |
| S1000 | 1000 kg | 330 kg | 75 ÷ 450 mm | 350 x 277 x 156 (B) mm | 36 kg |


PDC4-
CHAIN SLINGS

Grade 80 alloy steel with shortening hook, security factor 4:1, the vertical capacity is calculated on 3 arms only because the fourth arm is necessary only to equilibrate the loading. EN 818-4.



| Art. | Length | Capacity 0° | Capacity 45° | Chain | Hook |
|-----------|---------|-------------|--------------|---------|------|
| PDC4/7/2 | 2000 mm | 3150 | 2240 | ø 7 mm | SLF |
| PDC4/7/3 | 3000 mm | 3150 | 2240 | ø 7 mm | SLF |
| PDC4/7/4 | 4000 mm | 3150 | 2240 | ø 7 mm | SLF |
| PDC4/10/2 | 2000 mm | 6700 | 4750 | ø 10 mm | SLF |
| PDC4/10/3 | 3000 mm | 6700 | 4750 | ø 10 mm | SLF |
| PDC4/10/4 | 4000 mm | 6700 | 4750 | ø 10 mm | SLF |



**PDC2-****CHAIN SLINGS**

Grade 80 alloy steel, with shortening hooks, security factor 4:1. EN 818-4.



| Art. | Length | Capacity 0° | Capacity 45° | Chain | Hook |
|-----------|---------|-------------|--------------|---------|------|
| PDC2/7/2 | 2000 mm | 2120 | 1500 | ø 7 mm | SLF |
| PDC2/7/3 | 3000 mm | 2120 | 1500 | ø 7 mm | SLF |
| PDC2/7/4 | 4000 mm | 2120 | 1500 | ø 7 mm | SLF |
| PDC2/10/2 | 2000 mm | 4250 | 3150 | ø 10 mm | SLF |
| PDC2/10/3 | 3000 mm | 4250 | 3150 | ø 10 mm | SLF |
| PDC2/10/4 | 4000 mm | 4250 | 3150 | ø 10 mm | SLF |

**PDC1-****CHAIN SLINGS**

Grade 80 alloy steel, with shortening hook, security factor 4:1. EN 818-4.



| Art. | Length | Vertical capacity | Chain | Hook |
|-----------|---------|-------------------|---------|------|
| PDC1/7/1 | 1000 mm | 1500 kg | ø 7 mm | SLF |
| PDC1/7/2 | 2000 mm | 1500 kg | ø 7 mm | SLF |
| PDC1/10/1 | 1000 mm | 3150 kg | ø 10 mm | SLF |
| PDC1/10/2 | 2000 mm | 3150 kg | ø 10 mm | SLF |

**06x****LASHING SYSTEM WITH POLYESTER RIBBON DRAFT**

EN 12195-2.



| Art. | Strap ribbon with turnbuckle | Ribbon width | Capacity | Hooks |
|------|------------------------------|--------------|----------|-------|
| 0635 | 5,50 + 0,50 m | 35 mm | 1000 kg | 2 |
| 0650 | 8,00 + 0,50 m | 50 mm | 2000 kg | 2 |
| 0675 | 10,00 + 1,00 m | 75 mm | 3000 kg | 2 |

0635/25**LASHING SYSTEM WITH POLYESTERE RIBBON DRAFT**

EN 12195-2.



| | |
|--|---------------|
| Strap ribbon mm 25 with turnbuckle and 2 hooks | 4,00 + 0,30 m |
| Capacity | 250 kg |

AN2G/12/1**2 STEEL ARMS PENDING**

| | |
|----------|-------------|
| Rope | ø 12 mm |
| Length | 1000 mm |
| Capacity | 30° 2600 kg |
| Capacity | 90° 2100 kg |

x-1000
POLYESTER COLORED SLINGS

Double layer band lifting system, standard, security factor 7:1. EN 1492-1.

| Art. | m | Width | Color | Eye length | Vertical capacity | Capacity basket | Basket capacity β 45° kg | Basket capacity β 60° kg | Capacity choker |
|--------|---|-------|--------|------------|-------------------|-----------------|--------------------------|--------------------------|-----------------|
| 1/1000 | 1 | 50 mm | Purple | 250 mm | 1000 kg | 2000 kg | 1400 | 1000 | 800 kg |
| 2/1000 | 2 | 50 mm | Purple | 250 mm | 1000 kg | 2000 kg | 1400 | 1000 | 800 kg |
| 3/1000 | 3 | 50 mm | Purple | 250 mm | 1000 kg | 2000 kg | 1400 | 1000 | 800 kg |
| 4/1000 | 4 | 50 mm | Purple | 250 mm | 1000 kg | 2000 kg | 1400 | 1000 | 800 kg |


x-2000
POLYESTER COLORED SLINGS

Double layer band lifting system, security factor 7:1. EN 1492-1.

| Art. | m | Width | Color | Eye length | Vertical capacity | Capacity basket | Basket capacity β 45° kg | Basket capacity β 60° kg | Capacity choker |
|--------|---|-------|-------|------------|-------------------|-----------------|--------------------------|--------------------------|-----------------|
| 1/2000 | 1 | 60 mm | Green | 250 mm | 2000 kg | 4000 kg | 2800 | 2000 | 1600 kg |
| 2/2000 | 2 | 60 mm | Green | 250 mm | 2000 kg | 4000 kg | 2800 | 2000 | 1600 kg |
| 3/2000 | 3 | 60 mm | Green | 250 mm | 2000 kg | 4000 kg | 2800 | 2000 | 1600 kg |
| 4/2000 | 4 | 60 mm | Green | 250 mm | 2000 kg | 4000 kg | 2800 | 2000 | 1600 kg |
| 5/2000 | 5 | 60 mm | Green | 250 mm | 2000 kg | 4000 kg | 2800 | 2000 | 1600 kg |
| 6/2000 | 6 | 60 mm | Green | 250 mm | 2000 kg | 4000 kg | 2800 | 2000 | 1600 kg |


x-3000
POLYESTER COLORED SLINGS

Double layer band lifting system, security factor 7:1. EN 1492-1.

| Art. | m | Width | Color | Eye length | Vertical capacity | Capacity basket | Basket capacity β 45° kg | Basket capacity β 60° kg | Capacity choker |
|--------|---|-------|--------|------------|-------------------|-----------------|--------------------------|--------------------------|-----------------|
| 1/3000 | 1 | 90 mm | Yellow | 300 mm | 3000 kg | 6000 kg | 4200 | 3000 | 2400 kg |
| 2/3000 | 2 | 90 mm | Yellow | 300 mm | 3000 kg | 6000 kg | 4200 | 3000 | 2400 kg |
| 3/3000 | 3 | 90 mm | Yellow | 300 mm | 3000 kg | 6000 kg | 4200 | 3000 | 2400 kg |
| 4/3000 | 4 | 90 mm | Yellow | 300 mm | 3000 kg | 6000 kg | 4200 | 3000 | 2400 kg |
| 5/3000 | 5 | 90 mm | Yellow | 300 mm | 3000 kg | 6000 kg | 4200 | 3000 | 2400 kg |
| 6/3000 | 6 | 90 mm | Yellow | 300 mm | 3000 kg | 6000 kg | 4200 | 3000 | 2400 kg |


FTx-1000
POLYESTER ROUND SLINGS

External sleeve security factor 7:1. EN 1492-2.

| Art. | Ring | Color | Vertical | Capacity basket | Basket capacity β 45° kg | Basket capacity β 60° kg | Capacity choker |
|----------|------|--------|----------|-----------------|--------------------------|--------------------------|-----------------|
| FT1/1000 | 1 m | Purple | 1000 kg | 2000 kg | 1400 | 1000 | 800 kg |
| FT2/1000 | 2 m | Purple | 1000 kg | 2000 kg | 1400 | 1000 | 800 kg |
| FT3/1000 | 3 m | Purple | 1000 kg | 2000 kg | 1400 | 1000 | 800 kg |
| FT4/1000 | 4 m | Purple | 1000 kg | 2000 kg | 1400 | 1000 | 800 kg |
| FT5/1000 | 5 m | Purple | 1000 kg | 2000 kg | 1400 | 1000 | 800 kg |
| FT6/1000 | 6 m | Purple | 1000 kg | 2000 kg | 1400 | 1000 | 800 kg |


FTx-2000
POLYESTER ROUND SLINGS

External sleeve security factor 7:1. EN 1492-2.

| Art. | Ring | Color | Vertical | Capacity basket | Basket capacity β 45° kg | Basket capacity β 60° kg | Capacity choker |
|----------|------|-------|----------|-----------------|--------------------------|--------------------------|-----------------|
| FT1/2000 | 1 m | Green | 2000 kg | 4000 kg | 2800 | 2000 | 1600 kg |
| FT2/2000 | 2 m | Green | 2000 kg | 4000 kg | 2800 | 2000 | 1600 kg |
| FT3/2000 | 3 m | Green | 2000 kg | 4000 kg | 2800 | 2000 | 1600 kg |
| FT4/2000 | 4 m | Green | 2000 kg | 4000 kg | 2800 | 2000 | 1600 kg |
| FT5/2000 | 5 m | Green | 2000 kg | 4000 kg | 2800 | 2000 | 1600 kg |
| FT6/2000 | 6 m | Green | 2000 kg | 4000 kg | 2800 | 2000 | 1600 kg |


FTx-3000
POLYESTER ROUND SLINGS

External sleeve security factor 7:1. EN 1492-2.

| Art. | Ring | Color | Vertical | Capacity basket | Basket capacity β 45° kg | Basket capacity β 60° kg | Capacity choker |
|----------|------|--------|----------|-----------------|--------------------------|--------------------------|-----------------|
| FT1/3000 | 1 m | Yellow | 3000 kg | 6000 kg | 4200 | 3000 | 2400 kg |
| FT2/3000 | 2 m | Yellow | 3000 kg | 6000 kg | 4200 | 3000 | 2400 kg |
| FT3/3000 | 3 m | Yellow | 3000 kg | 6000 kg | 4200 | 3000 | 2400 kg |
| FT4/3000 | 4 m | Yellow | 3000 kg | 6000 kg | 4200 | 3000 | 2400 kg |
| FT5/3000 | 5 m | Yellow | 3000 kg | 6000 kg | 4200 | 3000 | 2400 kg |
| FT6/3000 | 6 m | Yellow | 3000 kg | 6000 kg | 4200 | 3000 | 2400 kg |



**0791-****WIRE ROPE PULLING HOIST**

For pulling and lifting.



| Art. | Max load | Cable | Net weight |
|---------|----------|----------------|------------|
| 0791/08 | 800 kg | ø 8,3 mm x 20m | 11 kg |
| 0791/16 | 1600 kg | ø 11mm x 20m | 24 kg |
| 0791/32 | 3200 kg | ø 16 mm x 20m | 50 kg |

0066**DOUBLE RATCHET HAND PULLER**

| | |
|----------------|--------|
| Max load | 800 kg |
| Cable diameter | ø 5 mm |
| Max length | 2 m |
| Net weight | 2,7 kg |

0070/C**GEARED HAND WINCH**

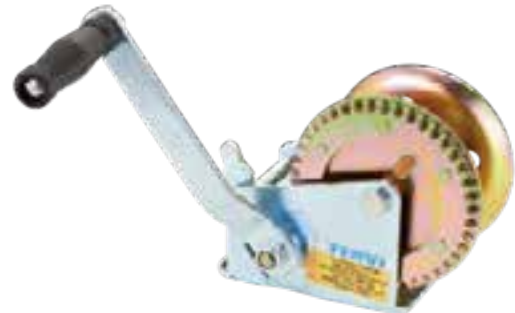
Zinc-plated.



| | |
|-----------------|-----------------|
| Max load | 500 kg |
| Throat width | 50 mm |
| Max ø wheel | 133 mm |
| Min. ø wheel | 40 mm |
| Cable size | ø 4,5 mm x 10 m |
| Base dimensions | 140 x 90 mm |

0070**GEARED HAND WINCH**

Frame in galvanized steel. Ergonomic handle.



| | |
|-----------------|-------------|
| Max load | 500 kg |
| Throat width | 50 mm |
| Max ø wheel | 133 mm |
| Min. ø wheel | 40 mm |
| Base dimensions | 140 x 90 mm |

0590**HAND OPERATED WINCH WITH BRAKE**

| | |
|-----------------------------------|---------------------|
| Max load | 450 kg |
| Throat width | 49 mm |
| Max ø wheel | 110 mm |
| Min. ø wheel | 45 mm |
| Overall dimensions without handle | 170 x 150 x 125h mm |



0068/S
TRUCK PALLET WITH SCALE AND PRINTER

Not legal for trade, tare function powered by rechargeable battery, polyurethane wheels.



| | |
|-----------------|---------------|
| Capacity | 2000 kg |
| Weight capacity | 2000 kg |
| Fork height | 88 ÷ 200 mm |
| Fork dimensions | 1150 x 568 mm |
| Reading | 1 kg |
| Accuracy | ±2 kg |
| Printer | Yes |
| Front wheel | Double |
| Net weight | 160 kg |

0068L
TRUCK PALLET WITH SCALE

Truck pallet with scale not legal for trade, tare function powered by replaceable batteries. With polyurethane wheels.



| | |
|-----------------|---------------|
| Capacity | 2000 kg |
| Weight capacity | 2000 kg |
| Fork height | 85 ÷ 175 mm |
| Fork dimensions | 1150 x 570 mm |
| Reading | 0,5 kg |
| Accuracy | ±0,05% kg |
| Front wheel | Double |
| Net weight | 125 kg |

0028R
LOWERED MANUAL PALLET TRUCK

With polyurethane wheels.



| | |
|-----------------------|---------------|
| Capacity | 2500 kg |
| Fork height | 63 ÷ 165 mm |
| Fork dimensions | 1150 x 540 mm |
| Armor plate thickness | 3 mm |
| Front wheel | Double |
| Net weight | 68,5 kg |

0028
MANUAL TRUCK -PALLET

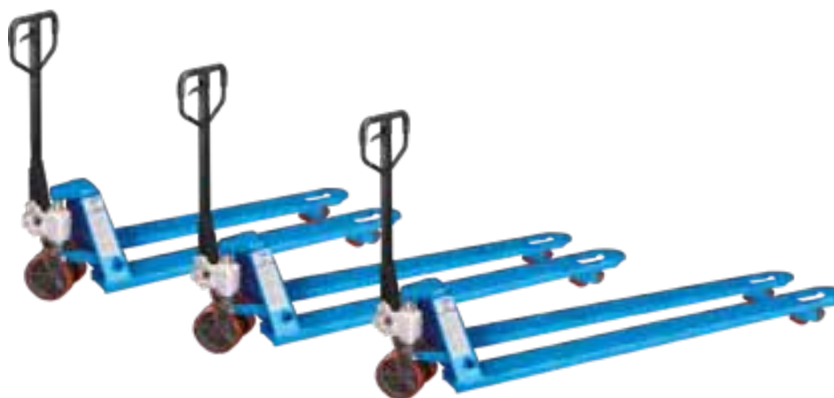
With polyurethane wheels.



| | |
|-----------------------|---------------|
| Capacity | 2500 kg |
| Fork height | 85 ÷ 200 mm |
| Fork dimensions | 1150 x 540 mm |
| Armor plate thickness | 3 mm |
| Front wheel | Double |
| Net weight | 71,5 kg |

0028-XL
MANUAL TRUCK-PALLET LONG FORKS

With polyurethane wheels.

NEW


| Art. | Capacity | Fork height | Fork dimensions | Armor plate thickness | Front wheel | Net weight |
|-----------|----------|-------------|-----------------|-----------------------|-------------|------------|
| 0028/1500 | 2000 kg | 85 ÷ 200 mm | 1500 x 540 mm | 3 mm | Double | 86 kg |
| 0028/1800 | 2000 kg | 85 ÷ 200 mm | 1800 x 540 mm | 3 mm | Double | 96 kg |
| 0028/2000 | 2000 kg | 85 ÷ 200 mm | 2000 x 540 mm | 3 mm | Double | 102 kg |



0064

MANUAL TRUCK -PALLET

With polyurethane wheels.



| | |
|-----------------------|--------------|
| Capacity | 2500 kg |
| Fork height | 85 ÷ 200 mm |
| Fork dimensions | 900 x 540 mm |
| Armor plate thickness | 3 mm |
| Front wheel | Single |
| Net weight | 68,5 kg |

S2/800

HIGH LIFT TRUCK-PALLET

Scissors.



| | |
|-----------------|---------------|
| Capacity | 1000 kg |
| Fork height | 85 ÷ 800 mm |
| Fork dimensions | 1170 x 540 mm |
| Tire | Polyurethane |
| Front wheel | Single |
| Net weight | 117 kg |



0782
PLATFORM STACKER WITH FORKS


| | |
|-----------------|-----------------------|
| Capacity | 400 kg |
| Fork height | 85 ÷ 1500 mm |
| Fork dimensions | 545 x 650 mm |
| Platform | 576 x 650 mm |
| Mobile wheels | Ø 127 x 40 mm |
| Fix wheels | Ø 75 x 40 mm |
| Tire | Polyurethane |
| Dimensions | 1100 x 600 x 1725h mm |
| Net weight | 95 kg |


0143A
MANUAL STACKER

With brake and lifting foot pedal.



| | |
|-----------------|-----------------------|
| Capacity | 1000 kg |
| Fork height | 90 ÷ 1600 mm |
| Fork dimensions | 1150 x 550 mm |
| Fork section | 160 x 55 mm |
| Upright height | 2100 mm |
| Tire | Polyurethane |
| Front wheel | Double |
| Dimensions | 920 x 1670 x 2100h mm |
| Net weight | 250 kg |


0143/25
MANUAL STACKER

With double telescopic mast, brake and lifting pedal.



| | |
|-----------------|-----------------------|
| Capacity | 1000 / 800 kg |
| Fork height | 75 ÷ 1600 ÷ 2500 mm |
| Fork dimensions | 1150 x 550 mm |
| Fork section | 160 x 55 mm |
| Upright height | 1840 mm |
| Tire | Polyurethane |
| Front wheel | Double |
| Dimensions | 1670 x 920 x 1840h mm |
| Net weight | 310 kg |



**0654-xL****TRANSPORT TROLLEY**

With nylon wheels and hook for towing.



| Art. | Capacity | Working height | Roller dimensions | Wheels | Table dimensions | Handle length | Handle swivel range | Dimensions | Net weight |
|----------|----------|----------------|-------------------|--------|------------------|---------------|---------------------|---------------|------------|
| 0654/06L | 6 Ton | 110 mm | 85 x 85 mm | 8 | Ø 170 mm | 1080 mm | ±90° | 610 x 520 mm | 41 kg |
| 0654/09L | 9 Ton | 110 mm | 85 x 85 mm | 12 | Ø 170 mm | 1080 mm | ±90° | 840 x 583 mm | 59 kg |
| 0654/12L | 12 Ton | 110 mm | 85 x 85 mm | 16 | Ø 170 mm | 1080 mm | ±90° | 1030 x 620 mm | 80 kg |

0654-xF**TRANSPORT TROLLEY**

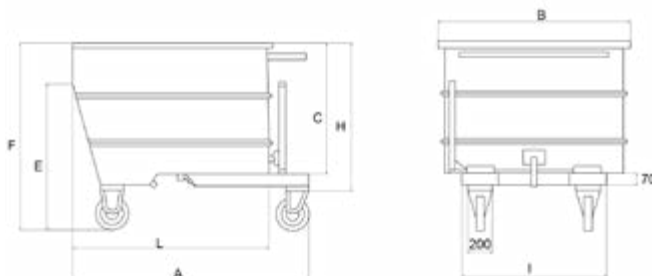
With nylon wheels.



| Art. | Capacity | Working height | Roller dimensions | Wheels | Table dimensions | Lever bar length | Net weight |
|----------|----------|----------------|-------------------|--------|------------------|------------------|------------|
| 0654/06F | 6 Ton | 110 mm | 85 x 85 mm | 4 | 200 x 220 mm | 640 ÷ 1030 mm | 30 kg |
| 0654/09F | 9 Ton | 110 mm | 85 x 85 mm | 6 | 200 x 320 mm | 840 ÷ 1230 mm | 43 kg |
| 0654/12F | 12 Ton | 110 mm | 85 x 85 mm | 8 | 200 x 407 mm | 1104 ÷ 1430 mm | 52 kg |

C030-**SCRAP DUMPING CONTAINER EQUIPPED WITH WHEELS**

Additional colors and accessories available upon request.













| Art. | Liters | A | B | C | E | F | H | I | L | Capacity | Wheels | Net weight |
|-----------|--------|---------|---------|--------|--------|---------|--------|--------|---------|----------|--------------------|------------|
| C030/0300 | 300 | 1280 mm | 820 mm | 395 mm | 530 mm | 650 mm | 490 mm | 700 mm | 1010 mm | 600 kg | Ø 125 mm x 165h mm | 95 kg |
| C030/0500 | 500 | 1280 mm | 920 mm | 600 mm | 750 mm | 915 mm | 710 mm | 800 mm | 1010 mm | 1000 kg | Ø 180 mm x 210h mm | 130 kg |
| C030/0750 | 750 | 1280 mm | 1070 mm | 730 mm | 800 mm | 1035 mm | 830 mm | 800 mm | 1055 mm | 1350 kg | Ø 180 mm x 210h mm | 150 kg |
| C030/1000 | 1000 | 1510 mm | 1070 mm | 870 mm | 925 mm | 1220 mm | 975 mm | 800 mm | 1255 mm | 1700 kg | Ø 200 mm x 245h mm | 182 kg |
| C030/1350 | 1350 | 1510 mm | 1320 mm | 870 mm | 925 mm | 1220 mm | 975 mm | 800 mm | 1255 mm | 2000 kg | Ø 200 mm x 245h mm | 205 kg |









WRENCHES

- p. 394  --- Ratchets wrenches
- p. 395  --- Double open end wrenches
- p. 396  --- Combination spanners
- p. 398  --- Ring spanners
- p. 401  --- Tubular sockets
- p. 403  --- Hex keys
- p. 405  --- Tork keys
- p. 407  --- T-handle swivel
- p. 408  --- Filter wrenches
- p. 409  --- Torque wrenches








SOCKET WRENCHES AND SCREW EXTRACTORS

- p. 412  --- Quick-release ratchets
- p. 414  --- Sockets
- p. 428  --- Impact sockets
- p. 436  --- Screw extractors










SCREWDRIVERS AND HAND RIVETERS

- p. 437  --- Sockets screwdrivers
- p. 439  --- Screwdrivers
- p. 443  --- Precision screwdrivers
- p. 445  --- Hex bits
- p. 450  --- Hand riveters








PLIERS, HAMMERS, FILES AND CHISELS

- p. 452  --- Pliers
- p. 456  --- Grip pliers
- p. 457  --- Pipe wrenches
- p. 458  --- Hammers
- p. 461  --- Chisels
- p. 464  --- Files
- p. 466  --- Levers




UTILITY KNIVES, DEBURRING AND CUTTING TOOLS

- p. 467  --- Utility knives
- p. 469  --- Snaggers
- p. 471  --- Jigsaws arches
- p. 472  --- Scissors
- p. 473  --- Tube and bolt cutters






SETS AND FASTENINGS

- p. 476  --- Staplers and brad nailers
- p. 476  --- Sets



CONSTRUCTION AND PACKAGING

- p. 481  --- Guns for chemicals
- p. 482  --- Trowels and putty knives
- p. 483  --- Packaging material



TOOL KITS

- p. 484  --- Tool rolling cabinets with tools
- p. 490  --- Series of tools in trays
- p. 499  --- Tool boxes with tools



0690-

RATCHET FLEXIBLE HEAD COMBINATION SPANNER



Hangable
 Cr-V
 Chromed
 3113
 72 teeth



| Art. | Size | Length |
|---------|-------|--------|
| 0690/08 | 8 mm | 150 mm |
| 0690/09 | 9 mm | 150 mm |
| 0690/10 | 10 mm | 160 mm |
| 0690/11 | 11 mm | 170 mm |
| 0690/12 | 12 mm | 170 mm |
| 0690/13 | 13 mm | 185 mm |
| 0690/14 | 14 mm | 205 mm |
| 0690/15 | 15 mm | 205 mm |
| 0690/16 | 16 mm | 230 mm |
| 0690/17 | 17 mm | 230 mm |
| 0690/18 | 18 mm | 250 mm |
| 0690/19 | 19 mm | 250 mm |

0690/07P

RATCHET FLEXIBLE HEAD COMBINATION SPANNER SET



7 Pcs
 Hangable
 Cr-V
 Chromed
 3113



Sizes 8 - 10 - 11 - 13 - 15 - 17 - 19 mm

0690/12P

RATCHET FLEXIBLE HEAD COMBINATION SPANNER SET



12 Pcs
 Hangable
 Cr-V
 Chromed
 3113



Sizes 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 mm

0700-

RATCHET GEAR WRENCHES



Hangable
 Cr-V
 Chromed
 72 teeth

| Art. | Size | Length |
|---------|-------|--------|
| 0700/08 | 8 mm | 140 mm |
| 0700/09 | 9 mm | 150 mm |
| 0700/10 | 10 mm | 160 mm |
| 0700/11 | 11 mm | 165 mm |
| 0700/12 | 12 mm | 172 mm |
| 0700/13 | 13 mm | 180 mm |
| 0700/14 | 14 mm | 190 mm |
| 0700/15 | 15 mm | 220 mm |
| 0700/16 | 16 mm | 221 mm |
| 0700/17 | 17 mm | 225 mm |
| 0700/18 | 18 mm | 238 mm |
| 0700/19 | 19 mm | 248 mm |

0700/07P

RATCHET COMBINATION SPANNER SET

7 Pcs
 Hangable
 Cr-V
 Chromed
 72 teeth



Sizes 8 - 10 - 11 - 13 - 15 - 17 - 19 mm

0700/12P

RATCHET COMBINATION SPANNER SET

7 Pcs
 Hangable
 Cr-V
 Chromed
 72 teeth



Sizes 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 mm



0546

SATIN FINISH COMBINATION SPANNER SET



Cr-V



12 Pcs

Hangable

Satin

Sizes 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 17 - 19 - 22 mm

0544

COMBINATION SPANNER SET



Cr-V



25 Pcs

Box

Satin

Sizes 6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-30-32 mm

0201-

DOUBLE OPEN END MIRROR POLISH LONG PATTERN WRENCH



Cr-V



Chromed

3110

| Art. | Size | Length |
|------------|----------|--------|
| 0201/06X07 | 6x7 mm | 122 mm |
| 0201/08X09 | 8x9 mm | 140 mm |
| 0201/10X11 | 10x11 mm | 156 mm |
| 0201/12X13 | 12x13 mm | 172 mm |
| 0201/14X15 | 14x15 mm | 190 mm |
| 0201/16X17 | 16x17 mm | 190 mm |
| 0201/18X19 | 18x19 mm | 225 mm |
| 0201/20X22 | 20x22 mm | 235 mm |
| 0201/21X23 | 21x23 mm | 250 mm |
| 0201/24X27 | 24x27 mm | 265 mm |

| Art. | Size | Length |
|------------|----------|--------|
| 0201/25X28 | 25x28 mm | 280 mm |
| 0201/30X32 | 30x32 mm | 300 mm |
| 0201/32X36 | 32x36 mm | 325 mm |
| 0201/34X36 | 34x36 mm | 325 mm |
| 0201/35X38 | 35x38 mm | 330 mm |
| 0201/36X41 | 36x41 mm | 360 mm |
| 0201/41X46 | 41x46 mm | 400 mm |
| 0201/46X50 | 46x50 mm | 450 mm |
| 0201/50X55 | 50x55 mm | 485 mm |
| 0201/55X60 | 55x60 mm | 520 mm |

0200

DOUBLE OPEN END MIRROR POLISH LONG PATTERN WRENCH SET



Cr-V



8 Pcs

Hangable

Chromed

3110

Sizes 6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 - 18x19 - 20x22 mm

0201

DOUBLE OPEN END MIRROR POLISH LONG PATTERN WRENCH SET



Cr-V



12 Pcs

Hangable

Chromed

3110

Sizes 6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 - 18x19 - 20x22 - 21x23 - 24x27 - 25x28 - 30x32 mm



0208-

MIRROR POLISH LONG PATTERN COMBINATION SPANNER



Cr-V 3113

| Art. | Size | Length |
|---------|-------|--------|
| 0208/06 | 6 mm | 100 mm |
| 0208/07 | 7 mm | 110 mm |
| 0208/08 | 8 mm | 120 mm |
| 0208/09 | 9 mm | 130 mm |
| 0208/10 | 10 mm | 140 mm |
| 0208/11 | 11 mm | 150 mm |
| 0208/12 | 12 mm | 160 mm |
| 0208/13 | 13 mm | 170 mm |
| 0208/14 | 14 mm | 180 mm |
| 0208/15 | 15 mm | 190 mm |
| 0208/16 | 16 mm | 200 mm |
| 0208/17 | 17 mm | 210 mm |
| 0208/18 | 18 mm | 220 mm |
| 0208/19 | 19 mm | 230 mm |
| 0208/20 | 20 mm | 240 mm |
| 0208/21 | 21 mm | 250 mm |
| 0208/22 | 22 mm | 260 mm |
| 0208/23 | 23 mm | 270 mm |
| 0208/24 | 24 mm | 280 mm |
| 0208/25 | 25 mm | 290 mm |
| 0208/26 | 26 mm | 300 mm |
| 0208/27 | 27 mm | 310 mm |
| 0208/28 | 28 mm | 320 mm |
| 0208/30 | 30 mm | 340 mm |
| 0208/32 | 32 mm | 360 mm |
| 0208/34 | 34 mm | 380 mm |
| 0208/36 | 36 mm | 400 mm |
| 0208/38 | 38 mm | 400 mm |
| 0208/41 | 41 mm | 440 mm |
| 0208/46 | 46 mm | 490 mm |
| 0208/50 | 50 mm | 530 mm |

0199

MIRROR POLISH LONG PATTERN COMBINATION SPANNER SET



3113

Sizes 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 17 - 19 - 22 mm

0208

MIRROR POLISH LONG PATTERN COMBINATION SPANNER SET



3113

Sizes 6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-30-32 mm

0204

MIRROR POLISH LONG PATTERN COMBINATION SPANNER SET



3113

Sizes 34 - 36 - 38 - 41 - 46 - 50 mm

0199P-

MIRROR POLISH LONG PATTERN COMBINATION SPANNER

Inches.



Cr-V 3113

| Art. | Size | Length |
|-------------|--------|--------|
| 0199P/1/4 | 1/4" | 100 mm |
| 0199P/5/16 | 5/16" | 120 mm |
| 0199P/3/8 | 3/8" | 140 mm |
| 0199P/7/16 | 7/16" | 150 mm |
| 0199P/1/2 | 1/2" | 170 mm |
| 0199P/9/16 | 9/16" | 180 mm |
| 0199P/5/8 | 5/8" | 200 mm |
| 0199P/11/16 | 11/16" | 210 mm |
| 0199P/3/4 | 3/4" | 230 mm |
| 0199P/13/16 | 13/16" | 250 mm |
| 0199P/7/8 | 7/8" | 260 mm |
| 0199P/15/16 | 15/16" | 280 mm |
| 0199P/1 | 1" | 290 mm |

0199P

MIRROR POLISH LONG PATTERN COMBINATION SPANNER SET

Inches.



3113

Size 1/4" - 5/16" - 3/8" - 7/16" - 1/2" - 9/16" - 5/8" - 11/16" - 3/4" - 13/16" - 7/8" - 15/16" - 1"



0222-

DOUBLE OPEN END WRENCH



Cr-V

Satin 3110

| Art. | Size | Length |
|------------|----------|--------|
| 0222/06X07 | 6x7 mm | 122 mm |
| 0222/08X09 | 8x9 mm | 140 mm |
| 0222/10X11 | 10x11 mm | 155 mm |
| 0222/12X13 | 12x13 mm | 170 mm |
| 0222/14X15 | 14x15 mm | 190 mm |
| 0222/16X17 | 16x17 mm | 205 mm |
| 0222/18X19 | 18x19 mm | 220 mm |
| 0222/20X22 | 20x22 mm | 235 mm |
| 0222/21X23 | 21x23 mm | 250 mm |
| 0222/24X27 | 24x27 mm | 265 mm |
| 0222/25X28 | 25x28 mm | 280 mm |
| 0222/30X32 | 30x32 mm | 300 mm |

0224-

COMBINATION SPANNER



Cr-V

Satin 3113

| Art. | Size | Length |
|---------|-------|--------|
| 0224/06 | 6 mm | 100 mm |
| 0224/07 | 7 mm | 110 mm |
| 0224/08 | 8 mm | 120 mm |
| 0224/09 | 9 mm | 130 mm |
| 0224/10 | 10 mm | 140 mm |
| 0224/11 | 11 mm | 150 mm |
| 0224/12 | 12 mm | 160 mm |
| 0224/13 | 13 mm | 170 mm |
| 0224/14 | 14 mm | 180 mm |
| 0224/15 | 15 mm | 190 mm |
| 0224/16 | 16 mm | 200 mm |
| 0224/17 | 17 mm | 210 mm |
| 0224/18 | 18 mm | 220 mm |
| 0224/19 | 19 mm | 230 mm |
| 0224/20 | 20 mm | 240 mm |
| 0224/21 | 21 mm | 250 mm |
| 0224/22 | 22 mm | 260 mm |
| 0224/23 | 23 mm | 270 mm |
| 0224/24 | 24 mm | 280 mm |
| 0224/25 | 25 mm | 290 mm |
| 0224/26 | 26 mm | 300 mm |
| 0224/27 | 27 mm | 310 mm |
| 0224/28 | 28 mm | 320 mm |
| 0224/30 | 30 mm | 340 mm |
| 0224/32 | 32 mm | 360 mm |
| 0224/34 | 34 mm | 380 mm |
| 0224/36 | 36 mm | 400 mm |

0221

DOUBLE OPEN END WRENCH SET



8 Pcs Hangable

Cr-V

Chromed 3110

Sizes 6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 - 18x19 - 20x22 mm

0222

DOUBLE OPEN END WRENCH SET



12 Pcs Hangable

Cr-V

Chromed 3110

Sizes 6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 - 18x19 - 20x22 - 21x23 - 24x27 - 25x28 - 30x32 mm

0073

COMBINATION SPANNER



12 Pcs Hangable

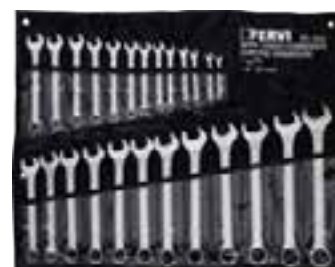
Cr-V

Chromed 3113

Sizes 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 17 - 19 - 22 mm

0223

COMBINATION SPANNER



25 Pcs Box

Cr-V

Chromed 3113

Sizes 6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-30-32 mm



0476-

MIRROR POLISH RING SPANNERS



| Art. | Size | Length |
|------------|------------|--------|
| 0476/06X07 | 6 x 7 mm | 165 mm |
| 0476/08X09 | 8 x 9 mm | 180 mm |
| 0476/10X11 | 10 x 11 mm | 195 mm |
| 0476/12X13 | 12 x 13 mm | 215 mm |
| 0476/14X15 | 14 x 15 mm | 240 mm |
| 0476/16X17 | 16 x 17 mm | 260 mm |
| 0476/18X19 | 18 x 19 mm | 320 mm |
| 0476/20X22 | 20 x 22 mm | 320 mm |
| 0476/21X23 | 21 x 23 mm | 325 mm |
| 0476/24X27 | 24 x 27 mm | 335 mm |
| 0476/25X28 | 25 x 28 mm | 345 mm |
| 0476/30X32 | 30 x 32 mm | 360 mm |

0477

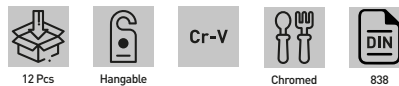
MIRROR POLISH RING SPANNER SET



Sizes 6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 - 18x19 - 20x22 mm

0476

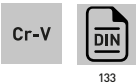
MIRROR POLISH RING SPANNER SET



Sizes 6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 - 18x19 - 20x22 - 21x23 - 24x27 - 25x28 - 30x32 mm

0895-

PERCUSSION OPEN WRENCHES



| Art. | Size | Length |
|---------|-------|--------|
| 0895/24 | 24 mm | 160 mm |
| 0895/27 | 27 mm | 180 mm |
| 0895/30 | 30 mm | 195 mm |
| 0895/32 | 32 mm | 195 mm |
| 0895/36 | 36 mm | 215 mm |
| 0895/38 | 38 mm | 215 mm |
| 0895/41 | 41 mm | 235 mm |
| 0895/46 | 46 mm | 255 mm |
| 0895/50 | 50 mm | 280 mm |
| 0895/55 | 55 mm | 310 mm |
| 0895/60 | 60 mm | 320 mm |
| 0895/65 | 65 mm | 345 mm |
| 0895/70 | 70 mm | 370 mm |

0896-

POLYGONAL PERCUSSION WRENCHES

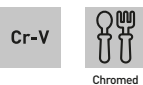


| Art. | Size | Length |
|---------|-------|--------|
| 0896/24 | 24 mm | 160 mm |
| 0896/27 | 27 mm | 180 mm |
| 0896/30 | 30 mm | 195 mm |
| 0896/32 | 32 mm | 195 mm |
| 0896/36 | 36 mm | 205 mm |
| 0896/38 | 38 mm | 215 mm |
| 0896/41 | 41 mm | 230 mm |
| 0896/46 | 46 mm | 240 mm |
| 0896/50 | 50 mm | 255 mm |
| 0896/55 | 55 mm | 270 mm |
| 0896/60 | 60 mm | 280 mm |
| 0896/65 | 65 mm | 300 mm |
| 0896/70 | 70 mm | 325 mm |



0196-

STUBBY MIRROR POLISH COMBINATION SPANNERS



| Art. | Size | Length |
|---------|-------|--------|
| 0196/10 | 10 mm | 95 mm |
| 0196/11 | 11 mm | 105 mm |
| 0196/12 | 12 mm | 105 mm |
| 0196/13 | 13 mm | 110 mm |
| 0196/14 | 14 mm | 115 mm |
| 0196/15 | 15 mm | 115 mm |
| 0196/16 | 16 mm | 125 mm |
| 0196/17 | 17 mm | 130 mm |
| 0196/18 | 18 mm | 140 mm |
| 0196/19 | 19 mm | 140 mm |

0134-

FLAT POLYGONAL WRENCHES



| Art. | Size | Length |
|------------|------------|--------|
| 0134/06X07 | 6 x 7 mm | 100 mm |
| 0134/08X09 | 8 x 9 mm | 115 mm |
| 0134/10X11 | 10 x 11 mm | 130 mm |
| 0134/12X13 | 12 x 13 mm | 145 mm |
| 0134/14X15 | 14 x 15 mm | 160 mm |
| 0134/16X17 | 16 x 17 mm | 170 mm |
| 0134/18X19 | 18 x 19 mm | 185 mm |
| 0134/20X22 | 20 x 22 mm | 205 mm |

0196

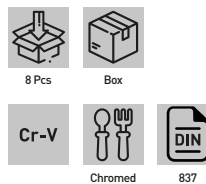
STUBBY MIRROR POLISH COMBINATION SPANNER SET



Sizes 10-11-12-13-14-15-16-17-18-19 mm

0134S

FLAT RING SPANNER SET

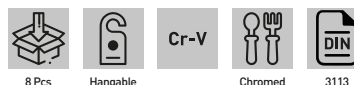
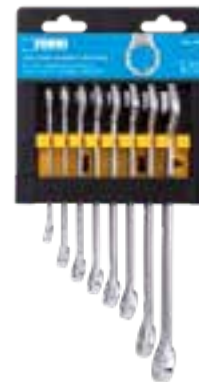


Sizes 100 - 6x7 mm, 115 - 8x9 mm, 130 - 10x11 mm, 145 - 12x13 mm, 160 - 14x15 mm, 170 - 16x17 mm, 185 - 18x19 mm, 205 - 20x20 mm

0187

MULTILOCK COMBINATION SPANNER SET

Suitable for metric, inch, torx and XZN bolt.

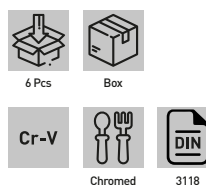


Sizes 8 - 10 - 11 - 12 - 13 - 14 - 17 - 19 mm
Inch size 5/16" - 3/8" - 7/16" - 15/32" - 1/2" - 9/16" - 11/16" - 3/4"
Torx size E10 - E12 - E14 - E16 - E18 - E22 - E24
XZN size M8 - M10 - M11 - M12 - M13 - M14 - M17 - M19

0541S

FLARE NUT WRENCH SET

6 point from 8 mm to 14 mm, 12 point from 17 mm to 22 mm.

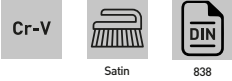


Sizes 140-8x10 mm, 150-9x11 mm, 175-11x13 mm, 175-12x14 mm, 210-17x19 mm, 220-19x22 mm



0614-

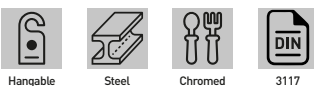
HALF MOON RING SPANNERS



| Art. | Size |
|------------|------------|
| 0614/08X10 | 8 x 10 mm |
| 0614/10X12 | 10 x 12 mm |
| 0614/11X13 | 11 x 13 mm |
| 0614/13X15 | 13 x 15 mm |
| 0614/14X17 | 14 x 17 mm |
| 0614/16X18 | 16 x 18 mm |
| 0614/19X22 | 19 x 22 mm |

0084-

ADJUSTABLE WRENCHES

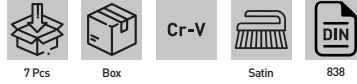


| Art. | Size | Opening |
|----------|------------|---------|
| 0084/150 | 6"-150 mm | 20 mm |
| 0084/250 | 10"-250 mm | 30 mm |
| 0084/375 | 15"-375 mm | 48 mm |



0614

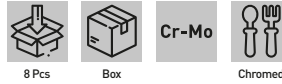
SET OF HALF MOON RING SPANNERS



Sizes 8x10 - 10x12 - 11x13 - 13x15 - 14x17 - 16x18 - 19x22 mm

0714

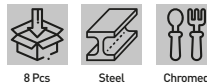
HOOK WRENCHES SET



Model 35 + 120
 Sizes 35+60 60+90 90+120

0266

GAS SPANNER



Size 25 mm
 Pack 10

0340S

DOUBLE HEAD SOCKET WRENCH SET

Ideal for loosen and tighten nuts and bolts located in positions hard to get



Sizes 8x9-10x11-12x13-14x15-16x17-18x19 mm

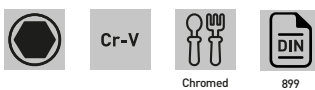


0393-
DOUBLE ENDED HEXAGON/BI-HEX SOCKET WRENCHES



| Art. | Size | Length |
|---------|-------|--------|
| 0393/06 | 6 mm | 100 mm |
| 0393/07 | 7 mm | 105 mm |
| 0393/08 | 8 mm | 115 mm |
| 0393/09 | 9 mm | 120 mm |
| 0393/10 | 10 mm | 130 mm |
| 0393/11 | 11 mm | 135 mm |
| 0393/12 | 12 mm | 145 mm |
| 0393/13 | 13 mm | 150 mm |
| 0393/14 | 14 mm | 160 mm |
| 0393/15 | 15 mm | 170 mm |
| 0393/16 | 16 mm | 180 mm |
| 0393/17 | 17 mm | 185 mm |
| 0393/18 | 18 mm | 200 mm |
| 0393/19 | 19 mm | 200 mm |
| 0393/20 | 20 mm | 210 mm |
| 0393/21 | 21 mm | 220 mm |
| 0393/22 | 22 mm | 230 mm |

0442-
HEXAGONAL TUBULAR SOCKET WRENCHES
Mirror polish with hexagonal body.



| Art. | Size | Length |
|------------|------------|--------|
| 0442/06X07 | 6 x 7 mm | 105 mm |
| 0442/08X09 | 8 x 9 mm | 110 mm |
| 0442/10X11 | 10 x 11 mm | 120 mm |
| 0442/12X13 | 12 x 13 mm | 140 mm |
| 0442/14X15 | 14 x 15 mm | 145 mm |
| 0442/16X17 | 16 x 17 mm | 155 mm |
| 0442/18X19 | 18 x 19 mm | 165 mm |
| 0442/20X22 | 20 x 22 mm | 170 mm |

0393/A
DOUBLE ENDED HEXAGON/BI-HEX SOCKET WRENCHES SET



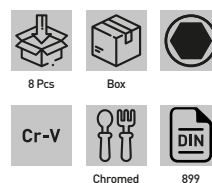
Sizes 6-7-8-10-11-12-13-14-17-19

0393
DOUBLE ENDED HEXAGON/BI-HEX SOCKET WRENCHES



Sizes 6 - 7 - 8 - 10 - 11 - 12 - 13 - 14 - 17 - 19 - 22 mm

0442
HEXAGONAL TUBULAR SOCKET WRENCH SET
Mirror polish with hexagonal body.



Sizes 105 - 6x7 mm, 110 - 8x9 mm, 120 - 10x11 mm, 140 - 12x13 mm, 145 - 14x15 mm, 155 - 16x17 mm, 165 - 18x19 mm, 170 - 20x22 mm



0540-

HEXAGONAL TUBULAR SOCKET WRENCH

Light model

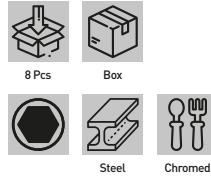


| Art. | Size | Length |
|------------|------------|--------|
| 0540/06X07 | 6 x 7 mm | 110 mm |
| 0540/08X09 | 8 x 9 mm | 120 mm |
| 0540/10X11 | 10 x 11 mm | 125 mm |
| 0540/12X13 | 12 x 13 mm | 135 mm |
| 0540/14X15 | 14 x 15 mm | 135 mm |
| 0540/16X17 | 16 x 17 mm | 150 mm |
| 0540/18X19 | 18 x 19 mm | 160 mm |
| 0540/20X22 | 20 x 22 mm | 170 mm |

0540S

HEXAGONAL TUBULAR SOCKET WRENCH SET

Light model, with tommy bar.



Sizes 6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 mm

0540/3

TOMMY BAR

3 step.

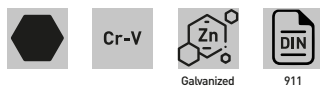


Length 165 mm
 ø 9,5 - 7,5 - 6 mm





0090- MALE HEX KEY SET



| Art. | L1 | L2 | Pack |
|----------|--------|-------|------|
| 0090/015 | 45 mm | 14 mm | 10 |
| 0090/02 | 50 mm | 16 mm | 10 |
| 0090/025 | 56 mm | 18 mm | 10 |
| 0090/03 | 63 mm | 20 mm | 10 |
| 0090/04 | 70 mm | 25 mm | 10 |
| 0090/05 | 80 mm | 28 mm | 10 |
| 0090/06 | 90 mm | 32 mm | 10 |
| 0090/08 | 100 mm | 36 mm | 5 |
| 0090/10 | 112 mm | 40 mm | 5 |
| 0090/12 | 125 mm | 45 mm | 5 |
| 0090/14 | 140 mm | 56 mm | 5 |
| 0090/17 | 160 mm | 63 mm | 5 |
| 0090/19 | 180 mm | 70 mm | 5 |

0558/GE HEX KEY SET

With ph and slot screwdriver head, with multipurpose handle that can be used as a t-handle or as a key extension.



| Sizes | 2 - 2,5 - 3 - 4 - 5 - 6 - 8 - 10 mm |
|---------------------|--------------------------------------|
| Cross screwdriver | PH0 (3 mm) - PH1 (4 mm) - PH2 (5 mm) |
| Slotted screwdriver | 6 mm |

0215X BALL POINT HEX KEY SET , LONG TYPE



| Art. | Size |
|-------|--|
| 0215 | 1,5 - 2 - 2,5 - 3 - 4 - 5 - 6 - 8 - 10 |
| 0215P | 1/16" - 5/64" - 3/32" - 1/8" - 5/32" - 3/16" - 1/4" - 5/16" - 3/8" |

0090 HEX KEY SET



| Sizes | 1,5 - 2 - 2,5 - 3 - 3,5 - 4 - 5 - 6 - 8 - 10 mm |
|-------|---|
|-------|---|

0269 HEX KEY SET



| Sizes | 1,5 - 2 - 2,5 - 3 - 4 - 5 - 6 - 8 - 10 mm |
|-------|---|
|-------|---|

0545/EF BALL POINT COLORED HEX KEY SERIES



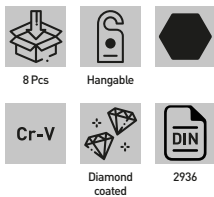
| Sizes | 1,5 - 2 - 2,5 - 3 - 4 - 5 - 6 - 8 - 10 mm |
|-------|---|
|-------|---|



0558/EM

HEX KEY SET WITH DIAMOND TIP

The diamond tip allows a perfect grip, avoiding to ruin the head of the screw. This type of tip is also very effective with already ruined screws.

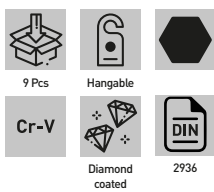


Sizes 1,5 - 2 - 2,5 - 3 - 4 - 5 - 6 - 8 mm

0558/EP

HEX KEY SET WITH DIAMOND TIP

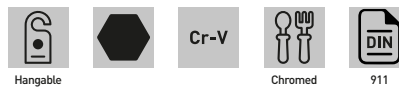
The diamond tip allows a perfect grip, avoiding to ruin the head of the screw. This type of tip is also very effective with already ruined screws.



Sizes 5/64" - 3/32" - 7/64" - 1/8" - 9/64" - 5/32" - 3/16" - 7/32" - 1/4"

0856-

BALL POINT TWO WAY HEX KEY WITH ANATOMIC PLASTIC HANDLE



| Art. | Size | Length |
|-----------|--------|--------|
| 0856/02 | 2 mm | 100 mm |
| 0856/02.5 | 2,5 mm | 100 mm |
| 0856/03 | 3 mm | 100 mm |
| 0856/04 | 4 mm | 100 mm |
| 0856/05 | 5 mm | 150 mm |
| 0856/06 | 6 mm | 150 mm |
| 0856/08 | 8 mm | 200 mm |
| 0856/10 | 10 mm | 200 mm |

C856-

BALL POINT TWO WAY HEX KEY WITH PLASTIC HANDLE

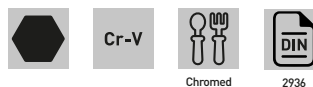


| Art. | Size | Length |
|-----------|--------|--------|
| C856/02.5 | 2.5 mm | 175 mm |
| C856/03 | 3 mm | 175 mm |
| C856/04 | 4 mm | 175 mm |
| C856/05 | 5 mm | 175 mm |
| C856/06 | 6 mm | 175 mm |
| C856/08 | 8 mm | 170 mm |
| C856/10 | 10 mm | 170 mm |

0400-

MALE "T" HANDLE HEX WRENCHES

With sliding bar making it versatile for use in difficult situations and under extreme conditions.



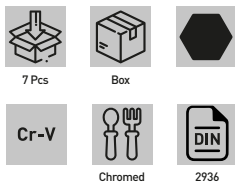
| Art. | Size | Dimensions |
|----------|--------|--------------|
| 0400/02 | 2 mm | 125 x 65 mm |
| 0400/025 | 2,5 mm | 125 x 65 mm |
| 0400/03 | 3 mm | 125 x 65 mm |
| 0400/035 | 3,5 mm | 125 x 65 mm |
| 0400/04 | 4 mm | 180 x 90 mm |
| 0400/045 | 4,5 mm | 180 x 90 mm |
| 0400/05 | 5 mm | 180 x 90 mm |
| 0400/06 | 6 mm | 210 x 105 mm |
| 0400/07 | 7 mm | 250 x 105 mm |
| 0400/08 | 8 mm | 250 x 125 mm |
| 0400/09 | 9 mm | 300 x 145 mm |
| 0400/10 | 10 mm | 300 x 145 mm |
| 0400/12 | 12 mm | 320 x 165 mm |
| 0400/14 | 14 mm | 340 x 170 mm |



0400

MALE "T" HANDLE HEX WRENCH SET

With sliding bar making them versatile for use in difficult situations and under extreme conditions.



Sizes 2 - 3 - 4 - 5 - 6 - 8 - 10 mm

0190

3-WAY SPEEDY HEX KEY WRENCH SET

With practical "speedy" rotating handle for increased working velocity.



Sizes 2 - 3 - 4 - 5 - 6 - 8 - 10 mm

0220

TORX KEY SET LONG TYPE

With tamper resistant head (hole).



Sizes T10 - T15 - T20 - T25 - T27 - T30 - T40 - T45 - T50

0220/C

TORX KEY SET SHORT TYPE

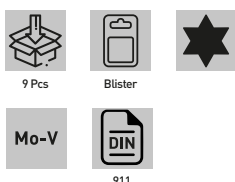
With tamper resistant head (hole).



Sizes T10 - T15 - T20 - T25 - T27 - T30 - T40 - T45 - T50

0545/TF

COLORED TORX KEY SERIES

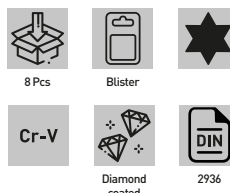


Sizes T10 - T15 - T20 - T25 - T27 - T30 - T40 - T45 - T50

0558/TX

TORX KEY SET WITH DIAMOND TIP

DIN ISO 2936, the diamond tip allows a perfect grip, avoiding to ruin the head of the screw. This type of tip is also very effective with already ruined screws.



Sizes T9 - T10 - T15 - T20 - T25 - T27 - T30 - T40



0855-

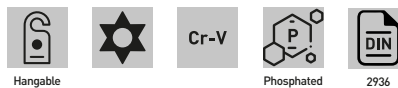
TWO WAY TORX AND TAMPERED KEY WITH ANATOMIC PLASTIC HANDLE



| Art. | Size | Length |
|----------|------|--------|
| 0855/T10 | T10 | 100 mm |
| 0855/T15 | T15 | 100 mm |
| 0855/T20 | T20 | 100 mm |
| 0855/T25 | T25 | 100 mm |
| 0855/T30 | T30 | 150 mm |
| 0855/T40 | T40 | 150 mm |

C855-

TWO WAY TORX KEY WITH PLASTIC HANDLE



| Art. | Size | Length |
|----------|------|--------|
| C855/T10 | T10 | 175 mm |
| C855/T15 | T15 | 175 mm |
| C855/T20 | T20 | 175 mm |
| C855/T25 | T25 | 175 mm |
| C855/T27 | T27 | 175 mm |
| C855/T30 | T30 | 175 mm |
| C855/T40 | T40 | 170 mm |
| C855/T50 | T50 | 170 mm |

0405-

MALE "T" HANDLE TORX WRENCH

With sliding bar making it versatile for use in difficult situations and under extreme conditions.



| Art. | Size | Length |
|----------|------|--------|
| 0405/T06 | T06 | 125 mm |
| 0405/T07 | T07 | 125 mm |
| 0405/T08 | T08 | 125 mm |
| 0405/T09 | T09 | 125 mm |
| 0405/T10 | T10 | 125 mm |
| 0405/T15 | T15 | 125 mm |
| 0405/T20 | T20 | 125 mm |
| 0405/T25 | T25 | 180 mm |
| 0405/T27 | T27 | 180 mm |
| 0405/T30 | T30 | 180 mm |
| 0405/T40 | T40 | 210 mm |
| 0405/T45 | T45 | 210 mm |
| 0405/T50 | T50 | 210 mm |

0405

MALE "T" HANDLE TORX WRENCH SET

With sliding bar making them versatile for use in difficult situations and under extreme conditions.



Sizes T8-T9-T10-T15-T20-T25-T30

0190T

NEW

3-WAY "SPEEDY" TORX KEY WRENCH SET

Torx keys made of brushed aluminium and high-strength Cr-V steel, perfect for torx socket screws. Practical "speedy" swivel handle for a firmer grip and greater ease and quick handling. Sizes from T10 to T40.



Sizes T10 - T15 - T20 - T25 - T27 - T30 - T40



0359-

T-HANDLE SPARK PLUG SOCKET WRENCH



| Art. | Size | Length |
|----------|---------|--------|
| 0359/14L | 14 mm | 530 mm |
| 0359/16L | 16 mm | 530 mm |
| 0359/21L | 20,8 mm | 530 mm |
| 0359/16 | 16 mm | 275 mm |

007X

SPARK PLUG WRENCH



| Art. | Size | Length |
|------|-------|--------|
| 0078 | 20,8 | 500 mm |
| 0079 | 16 mm | 510 mm |

C395-

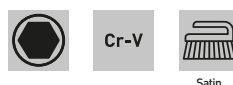
T HANDLE MAGNETIC SWIVEL HEX SOCKET



| Art. | Size | Length |
|---------|-------|--------|
| C395/06 | 6 mm | 390 mm |
| C395/07 | 7 mm | 390 mm |
| C395/08 | 8 mm | 390 mm |
| C395/09 | 9 mm | 390 mm |
| C395/10 | 10 mm | 500 mm |
| C395/11 | 11 mm | 500 mm |
| C395/12 | 12 mm | 500 mm |
| C395/13 | 13 mm | 500 mm |
| C395/14 | 14 mm | 500 mm |
| C395/15 | 15 mm | 500 mm |
| C395/16 | 16 mm | 500 mm |
| C395/17 | 17 mm | 500 mm |
| C395/18 | 18 mm | 500 mm |
| C395/19 | 19 mm | 500 mm |

C245-

T-HANDLE DEEP SOCKET WRENCHES



| Art. | Size | Length |
|---------|-------|--------|
| C245/06 | 6 mm | 320 mm |
| C245/07 | 7 mm | 320 mm |
| C245/08 | 8 mm | 320 mm |
| C245/09 | 9 mm | 320 mm |
| C245/10 | 10 mm | 320 mm |
| C245/11 | 11 mm | 320 mm |
| C245/12 | 12 mm | 320 mm |
| C245/13 | 13 mm | 320 mm |
| C245/14 | 14 mm | 320 mm |
| C245/17 | 17 mm | 320 mm |
| C245/19 | 19 mm | 320 mm |

C391-

T-HANDLE SWIVEL HEX SOCKET

Heavy duty.

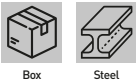


| Art. | Size | Length |
|---------|-------|--------|
| C391/06 | 6 mm | 395 mm |
| C391/07 | 7 mm | 395 mm |
| C391/08 | 8 mm | 395 mm |
| C391/09 | 9 mm | 400 mm |
| C391/10 | 10 mm | 400 mm |
| C391/11 | 11 mm | 400 mm |
| C391/12 | 12 mm | 400 mm |
| C391/13 | 13 mm | 432 mm |
| C391/14 | 14 mm | 432 mm |
| C391/15 | 15 mm | 450 mm |
| C391/16 | 16 mm | 450 mm |
| C391/17 | 17 mm | 450 mm |
| C391/18 | 18 mm | 450 mm |
| C391/19 | 19 mm | 500 mm |



0352-

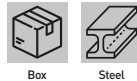
BELT OIL FILTER WRENCH



| Art. | Filter maximum diameter | Belt |
|---------|-------------------------|--------|
| 0352/01 | 180 mm | 610 mm |
| 0352/02 | 220 mm | 800 mm |

0357-

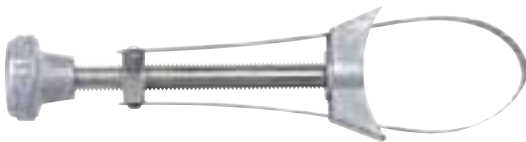
OIL FILTER STEEL BELT WRENCH



| Art. | Filter maximum diameter | Belt |
|---------|-------------------------|--------|
| 0357/01 | 70 mm | 180 mm |
| 0357/02 | 120 mm | 200 mm |

0076

TAPE OIL FILTER WRENCH



| Filter maximum diameter | Belt |
|-------------------------|--------|
| 120 mm | 195 mm |

0077

OIL FILTER CHAIN WRENCH



| Filter maximum diameter | Belt |
|-------------------------|--------|
| 110 mm | 380 mm |

0018/15

OIL FILTER WRENCH SET

Useful for the removal of oil filters for many vehicles. An adapter with 3/8" male and 1/2" female drives is included in the set.



| Sizes (ø mm - sides) |
|---|
| 65 mm - 14, 65/67 mm - 14, 68 mm - 14, 74 mm - 15, 74/76 mm - 15, 75/77 mm - 15, 76 mm - 14, 76 mm - 30, 80 mm - 15, 80/82 mm |
| Adapter drive |
| 1/2" (F) 3/8" (M) |

0018/30

OIL FILTER WRENCH SET

Useful for the removal of oil filters for many vehicles. An adapter with 3/8" male and 1/2" female drives and a 3-jaw wrench are included in the set.

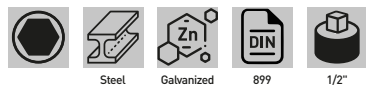


| Sizes (ø mm - sides) |
|---|
| 65 mm - 14, 65/67 mm - 14, 66 mm - 6, 68 mm - 14, 73 mm - 14, 74 mm - 15, 74/76 mm - 15, 75/77 mm - 15, 76 mm - 8, 76 mm - 12, 76 mm - 14, 76 mm - 30, 78 mm - 15, 80 mm - 15, 80/82 mm - 15, 86 mm - 16, 86 mm - 18, 90 mm - 15, 92 mm - 10, 93 mm - 15, 93 mm - 36, 93 mm |
| Adapter drive |
| 1/2" (F) 3/8" (M) |
| 3 - Jaw wrench |
| 65 ÷ 120 mm |



0080

CROSS RIM WRENCH



| | |
|------------|-----------------|
| Sizes | 17 - 19 - 21 mm |
| Dimensions | 381 x 16 mm |

0426-

CROSS RIM WRENCH

For trucks, with fixed hex sockets.

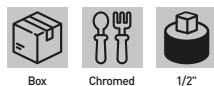


| Art. | Sizes | Dimensions |
|---------|-----------------|-------------|
| 0426/30 | 24 - 27 - 30 mm | 550 x 20 mm |
| 0426/32 | 24 - 27 - 32 mm | 700 x 22 mm |

0806/200

ELECTRONIC DIGITAL TORQUE - ANGLE WRENCH

It allows cw and ccw operation and a led and buzer diagnostic of torque/angle status.



| MEASURE UNITS: | Nm / kgf-cm / lbf-ft / lbf-in | Angle accuracy | ±1% |
|----------------|-------------------------------|-------------------------|--------------|
| Capacity | 20 ÷ 200 Nm | Operation mode | Peak / Track |
| Reading | 0,1 Nm | Torque memories - Angle | 5 |
| Accuracy | ±2%, 10% @ 200 Nm | Length | 605 mm |
| Angle range | 0 ÷ 360° | Battery | 4x 1,5 V AAA |

0809-

ELECTRONIC DIGITAL TORQUE WRENCH

It allows cw and ccw operation and a led and buzer diagnostic of torque status.



| Art. | MEASURE UNITS: | Capacity | Reading | Accuracy | Operation mode | Memory | Dr. | Length | Battery |
|----------|-------------------------------|-------------|---------|----------|----------------|--------|------|--------|----------------|
| 0809/030 | Nm / kgf-cm / lbf-ft / lbf-in | 6 ÷ 30 Nm | 0,01 Nm | ±4% | Peak / Track | 50 | 1/4" | 200 mm | 2 x 3 V CR2032 |
| 0809/080 | Nm / kgf-m / lbf-ft / lbf-in | 16 ÷ 80 Nm | 0,1 Nm | ±3% | Peak / Track | 50 | 3/8" | 230 mm | 2 x 3 V CR2032 |
| 0809/100 | Nm / kgf-m / lbf-ft / lbf-in | 20 ÷ 100 Nm | 0,1 Nm | ±2% | Peak / Track | 50 | 1/2" | 275 mm | 2 x 3 V CR2032 |

0806/020
DIGITAL TORQUE SCREWDRIVER

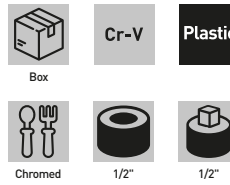
ISO 6789-2017, clockwise and anticlockwise tightening, sound and vibration diagnostics of the preset torque reached.



| | |
|-----------------------|------------------|
| MEASURE UNITS: | Nm / lbft / lbin |
| Capacity | 0 ÷ 20 Nm |
| Reading | 0,01 Nm |
| Accuracy | ±2% |
| Operation mode | Peak / Track |
| Auto power off | 5 min. |
| Length | 175 mm |
| Battery | 2 x 1,5 V AAA |
| Working temperature | 0 °C - 40 °C |
| Storage temperature | -5 °C - 45 °C |

0268A
DIGITAL TORQUE METER

Twist monitoring tool. Applied to a ratchet wrench it can be used as a torque wrench. Backlit LCD screen, Peak and Trace operating mode. Auto power off function.



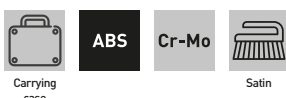
| | |
|-----------------------|------------------------------|
| Operation mode | Peak/track |
| MEASURE UNITS: | Nm/kgm/kgcm/lbft/lbin |
| Capacity | 40 ÷ 200 Nm |
| Reading | 0,1 Nm |
| Memory | 50 |
| Accuracy | ±2% |
| Dimensions | 75 x 44 mm |
| Battery | 2 x AAA |
| Working temperature | -10°C-60 °C [-14°F-139.9 °F] |
| Storage temperature | -20°C -70°C [-4 °F-157.9°F] |

0137
TORQUE WRENCH


| | |
|-----------|-------------|
| Capacity | 28 ÷ 210 Nm |
| Extension | 120 mm |

0815-
TORQUE WRENCHES

ISO 6789-2017, reading window.



| Art. | Dr. | Capacity | Reading | Accuracy | Length |
|----------|------|--------------|---------|----------|---------|
| 0815/100 | 3/8" | 20 ÷ 100 Nm | 0,5 Nm | ±4% | 460 mm |
| 0815/200 | 1/2" | 40 ÷ 200 Nm | 1,0 Nm | ±4% | 515 mm |
| 0815/800 | 3/4" | 100 ÷ 800 Nm | 5,0 Nm | ±4% | 1100 mm |



0803-

TORQUE WRENCHES

ISO 6789-2017.

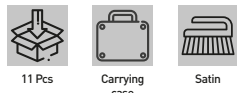


| Art. | Shank | Capacity | Reading | Accuracy | Length |
|----------|-------|--------------|---------|----------|---------|
| 0803/110 | 3/8" | 20 - 110 Nm | 0,5 Nm | ±4% | 380 mm |
| 0803/210 | 1/2" | 40 - 210 Nm | 1 Nm | ±4% | 535 mm |
| 0803/700 | 3/4" | 140 - 700 Nm | 2,5 Nm | ±4% | 1085 mm |

0803/S210

TORQUE WRENCH SET

ISO 6789-2017.

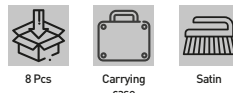


| | |
|----------------|---|
| Spanners shank | 14 x 18 mm |
| Ratchet head | 1/2" |
| Capacity | 40 ÷ 210 Nm |
| Accuracy | ±4% |
| Reading | 1 Nm |
| Spanner head | 13 - 14 - 15 - 17 - 19 - 22 - 24 - 27 - 30 mm |

0803/S080

TORQUE WRENCH SET

ISO 6789-2017.

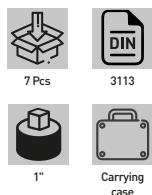


| | |
|----------------|--------------------------------|
| Spanners shank | 14x 18 mm |
| Ratchet head | 3/8" |
| Capacity | 15 ÷ 80 Nm |
| Accuracy | ±4% |
| Spanner head | 17 - 22 - 24 - 26 - 27 - 30 mm |
| Reading | 0,5 Nm |

0329

TORQUE MULTIPLIER

Labor saving wheel wrench.

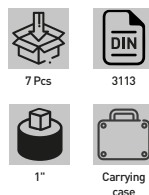


| | |
|------------------|------------|
| 1" Dr. sockets | 32 - 33 mm |
| Ratio | 1:60 |
| Maximum torque | 3200 Nm |
| Operating torque | 1200 Nm |
| Net weight | 7,5 kg |

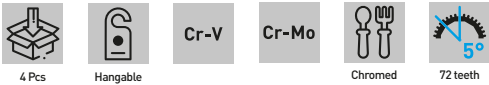
0360

TORQUE MULTIPLIER

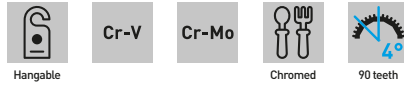
Labor saving wheel wrench, supplied in plastic case.



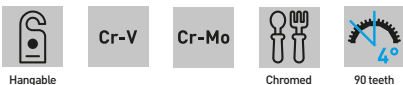
| | |
|------------------|------------|
| 1" Dr. sockets | 32 - 33 mm |
| Ratio | 1 : 56 |
| Maximum torque | 3000 Nm |
| Operating torque | 1000 Nm |
| Net weight | 7 kg |

CN450N0/0
3 IN 1 QUICK CHANGE DRIVE RATCHET HANDLE


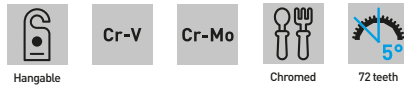
| | |
|--------|--------------------|
| Length | 230 mm |
| Shank | 1/2" - 3/8" - 1/4" |
| Teeth | 72 |

G090-
ERGONOMIC RATCHET HANDLE


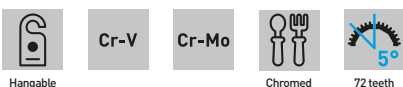
| Art. | Length | Dr. |
|----------|--------|------|
| G090/1/4 | 145 mm | 1/4" |
| G090/3/8 | 195 mm | 3/8" |
| G090/1/2 | 265 mm | 1/2" |

F090-
ERGONOMIC RATCHET HANDLE


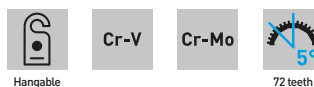
| Art. | Length | Dr. |
|----------|--------|------|
| F090/1/4 | 145 mm | 1/4" |
| F090/3/8 | 195 mm | 3/8" |
| F090/1/2 | 265 mm | 1/2" |

0494-
MIRROR POLISHED ERGONOMIC RATCHET HANDLE


| Art. | Length | Dr. |
|----------|--------|------|
| 0494/1/4 | 165 mm | 1/4" |
| 0494/3/8 | 215 mm | 3/8" |
| 0494/1/2 | 276 mm | 1/2" |

CN450NX
ERGONOMIC RATCHET HANDLE


| Art. | Length | Dr. |
|------------|--------|------|
| CN450N1/4A | 150 mm | 1/4" |
| CN450N3/8A | 205 mm | 3/8" |
| CN450N1/2A | 250 mm | 1/2" |

0439-
ERGONOMIC RATCHET HANDLE


| Art. | Dr. | Length | Teeth |
|----------|------|--------|-------|
| 0439/1/4 | 1/4" | 155 mm | 72 |
| 0439/3/8 | 3/8" | 200 mm | 72 |
| 0439/1/2 | 1/2" | 260 mm | 72 |



0019-

1/4", 3/8", 1/2" DRIVE QUICK-RELEASE RATCHETS



Hangable

Cr-V

Cr-Mo



90 teeth

| Art. | Length | Dr. |
|----------|--------|------|
| 0019/1/4 | 154 mm | 1/4" |
| 0019/3/8 | 215 mm | 3/8" |
| 0019/1/2 | 275 mm | 1/2" |

0308

RATCHET HANDLE



Cr-V



Chromed



45 teeth



3/4"

| | |
|--------|--------|
| Length | 490 mm |
|--------|--------|

0228

RATCHET HANDLE



Hangable

Cr-V



Chromed



39 teeth



1/2"

| | |
|--------|--------|
| Length | 220 mm |
|--------|--------|

0173

1/4" DR. SPINNER HANDLE

Made to being used also as an extension.



Hangable

Cr-V



Chromed

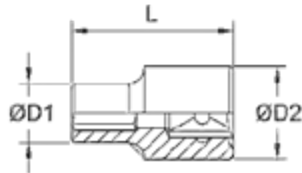
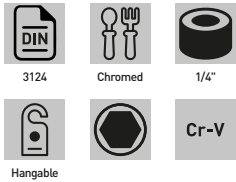


1/4"

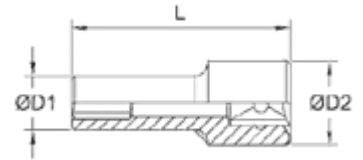
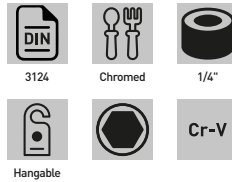


1/4"

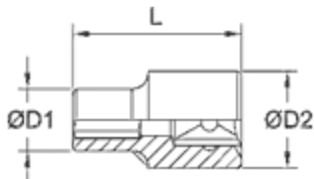


BN4E5NX
STANDARD 6 POINT HAND SOCKET


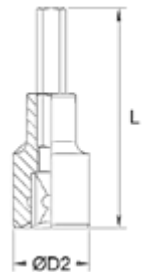
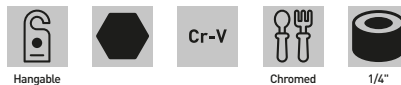
| Art. | Size | D1 | D2 | Length |
|-------------|--------|---------|---------|--------|
| BN4E5N004A | 4 mm | 6,8 mm | 12 mm | 25 mm |
| BN4E5N0045A | 4,5 mm | 7,2 mm | 12 mm | 25 mm |
| BN4E5N005A | 5 mm | 7,8 mm | 12 mm | 25 mm |
| BN4E5N0055A | 5,5 mm | 8,4 mm | 12 mm | 25 mm |
| BN4E5N006A | 6 mm | 9,3 mm | 12 mm | 25 mm |
| BN4E5N007A | 7 mm | 10,8 mm | 12 mm | 25 mm |
| BN4E5N008A | 8 mm | 12 mm | 11 mm | 25 mm |
| BN4E5N009A | 9 mm | 13 mm | 12 mm | 25 mm |
| BN4E5N010A | 10 mm | 14,6 mm | 12 mm | 25 mm |
| BN4E5N011A | 11 mm | 16 mm | 12,5 mm | 25 mm |
| BN4E5N012A | 12 mm | 17 mm | 13,5 mm | 25 mm |
| BN4E5N013A | 13 mm | 18 mm | 13,5 mm | 25 mm |
| BN4E5N014A | 14 mm | 19 mm | 14,5 mm | 25 mm |

BN4E5LX
DEEP 6 POINT HAND SOCKET


| Art. | Size | D1 | D2 | Length |
|-------------|--------|---------|---------|--------|
| BN4E5L004A | 4 mm | 6,8 mm | 12 mm | 50 mm |
| BN4E5L0045A | 4,5 mm | 7,2 mm | 12 mm | 50 mm |
| BN4E5L005A | 5 mm | 7,8 mm | 12 mm | 50 mm |
| BN4E5L0055A | 5,5 mm | 8,4 mm | 12 mm | 50 mm |
| BN4E5L006A | 6 mm | 9,3 mm | 12 mm | 50 mm |
| BN4E5L007A | 7 mm | 10,8 mm | 12 mm | 50 mm |
| BN4E5L008A | 8 mm | 12 mm | 11 mm | 50 mm |
| BN4E5L009A | 9 mm | 13 mm | 12 mm | 50 mm |
| BN4E5L010A | 10 mm | 14,6 mm | 12 mm | 50 mm |
| BN4E5L011A | 11 mm | 16 mm | 13 mm | 50 mm |
| BN4E5L012A | 12 mm | 17 mm | 13 mm | 50 mm |
| BN4E5L013A | 13 mm | 18 mm | 13 mm | 50 mm |
| BN4E5L014A | 14 mm | 19 mm | 14,5 mm | 50 mm |

BN4P5NX
STANDARD 12 POINT HAND SOCKET


| Art. | Size | D1 | D2 | Length |
|-------------|--------|---------|---------|--------|
| BN4P5N004A | 4 mm | 6,8 mm | 12 mm | 25 mm |
| BN4P5N005A | 5 mm | 7,8 mm | 12 mm | 25 mm |
| BN4P5N0055A | 5,5 mm | 8,4 mm | 12 mm | 25 mm |
| BN4P5N006A | 6 mm | 9,3 mm | 12 mm | 25 mm |
| BN4P5N007A | 7 mm | 10,8 mm | 12 mm | 25 mm |
| BN4P5N008A | 8 mm | 12 mm | 11 mm | 25 mm |
| BN4P5N009A | 9 mm | 13 mm | 12 mm | 25 mm |
| BN4P5N010A | 10 mm | 14,6 mm | 12 mm | 25 mm |
| BN4P5N011A | 11 mm | 16 mm | 12,5 mm | 25 mm |
| BN4P5N012A | 12 mm | 17 mm | 13,5 mm | 25 mm |
| BN4P5N013A | 13 mm | 18 mm | 13,5 mm | 25 mm |
| BN4P5N014A | 14 mm | 19 mm | 14,5 mm | 25 mm |

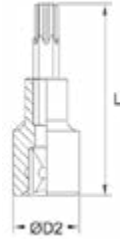
BN415NX
HEX BIT SOCKET


| Art. | Size | D2 | Length |
|------------|------|-------|--------|
| BN415N003A | 3 mm | 12 mm | 37 mm |
| BN415N004A | 4 mm | 12 mm | 37 mm |
| BN415N005A | 5 mm | 12 mm | 37 mm |
| BN415N006A | 6 mm | 12 mm | 37 mm |
| BN415N008A | 8 mm | 12 mm | 37 mm |



BN425NX

TORX BIT SOCKET



Hangable



Chromed

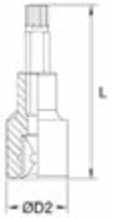


1/4"

| Art. | Size | D2 | Length |
|------------|------|-------|--------|
| BN425N008A | T8 | 12 mm | 37 mm |
| BN425N009A | T9 | 12 mm | 37 mm |
| BN425N010A | T10 | 12 mm | 37 mm |
| BN425N015A | T15 | 12 mm | 37 mm |
| BN425N020A | T20 | 12 mm | 37 mm |
| BN425N025A | T25 | 12 mm | 37 mm |
| BN425N027A | T27 | 12 mm | 37 mm |
| BN425N030A | T30 | 12 mm | 37 mm |
| BN425N040A | T40 | 12 mm | 37 mm |

BN445NX

XZN BIT SOCKET



Hangable



Chromed



1/4"

| Art. | Size | D2 | Length |
|------------|------|-------|--------|
| BN445N004A | M 4 | 15 mm | 37 mm |
| BN445N005A | M 5 | 15 mm | 37 mm |
| BN445N006A | M 6 | 15 mm | 37 mm |
| BN445N008A | M 8 | 15 mm | 37 mm |
| BN445N009A | M 9 | 15 mm | 37 mm |
| BN445N010A | M 10 | 15 mm | 37 mm |

RN4054NA

ADAPTER



Hangable



3/8"



Length 26 mm

JN405NA

UNIVERSAL JOINT



Hangable



1/4"



Length 38 mm

PN405NX

EXTENSION BAR



Hangable



Chromed



1/4"

| Art. | Length |
|------------|--------|
| PN405N050A | 50 mm |
| PN405N075A | 75 mm |
| PN405N150A | 150 mm |

EN405NX

WOBBLE EXTENSION BAR



Hangable



Chromed



1/4"

| Art. | Length |
|------------|--------|
| EN405N050A | 50 mm |
| EN405N075A | 75 mm |
| EN405N150A | 150 mm |

LN400N1/4A

SLIDING T BAR



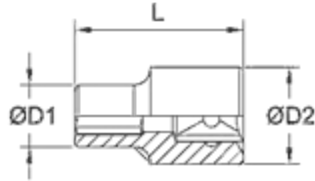
Hangable



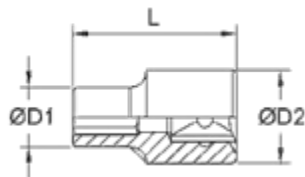
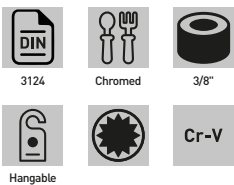
1/4"



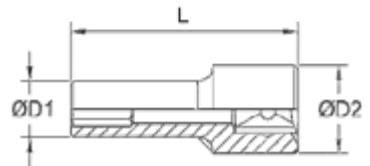
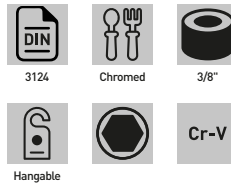
Length 115 mm

BN4E4NX
STANDARD 6 POINT HAND SOCKET


| Art. | Size | D1 | D2 | Length |
|------------|-------|---------|---------|--------|
| BN4E4N006A | 6 mm | 9,3 mm | 17 mm | 28 mm |
| BN4E4N007A | 7 mm | 10,6 mm | 17 mm | 28 mm |
| BN4E4N008A | 8 mm | 11,8 mm | 17 mm | 28 mm |
| BN4E4N009A | 9 mm | 13,2 mm | 17 mm | 28 mm |
| BN4E4N010A | 10 mm | 14,5 mm | 17 mm | 28 mm |
| BN4E4N011A | 11 mm | 15,7 mm | 17 mm | 28 mm |
| BN4E4N012A | 12 mm | 17 mm | 16,4 mm | 28 mm |
| BN4E4N013A | 13 mm | 18 mm | 17 mm | 28 mm |
| BN4E4N014A | 14 mm | 20 mm | 17 mm | 28 mm |
| BN4E4N015A | 15 mm | 20,9 mm | 18 mm | 28 mm |
| BN4E4N016A | 16 mm | 22 mm | 18 mm | 28 mm |
| BN4E4N017A | 17 mm | 24 mm | 18 mm | 30 mm |
| BN4E4N018A | 18 mm | 26 mm | 18 mm | 30 mm |
| BN4E4N019A | 19 mm | 26 mm | 20 mm | 30 mm |
| BN4E4N020A | 20 mm | 27,1 mm | 20 mm | 30 mm |
| BN4E4N021A | 21 mm | 28 mm | 20 mm | 30 mm |
| BN4E4N022A | 22 mm | 30 mm | 20 mm | 32 mm |

BN4P4NX
STANDARD 12 POINT HAND SOCKET


| Art. | Size | D1 | D2 | Length |
|------------|-------|---------|---------|--------|
| BN4P4N006A | 6 mm | 9,3 mm | 17 mm | 28 mm |
| BN4P4N007A | 7 mm | 10,6 mm | 17 mm | 28 mm |
| BN4P4N008A | 8 mm | 11,8 mm | 17 mm | 28 mm |
| BN4P4N009A | 9 mm | 13,2 mm | 17 mm | 28 mm |
| BN4P4N010A | 10 mm | 14,5 mm | 17 mm | 28 mm |
| BN4P4N011A | 11 mm | 15,7 mm | 17 mm | 28 mm |
| BN4P4N012A | 12 mm | 17 mm | 16,4 mm | 28 mm |
| BN4P4N013A | 13 mm | 18 mm | 17 mm | 28 mm |
| BN4P4N014A | 14 mm | 20 mm | 17 mm | 28 mm |
| BN4P4N015A | 15 mm | 20,9 mm | 18 mm | 28 mm |
| BN4P4N016A | 16 mm | 22 mm | 18 mm | 28 mm |
| BN4P4N017A | 17 mm | 24 mm | 18 mm | 30 mm |
| BN4P4N018A | 18 mm | 26 mm | 18 mm | 30 mm |
| BN4P4N019A | 19 mm | 26 mm | 20 mm | 30 mm |
| BN4P4N020A | 20 mm | 28 mm | 20 mm | 30 mm |
| BN4P4N021A | 21 mm | 28 mm | 20 mm | 30 mm |
| BN4P4N022A | 22 mm | 30 mm | 20 mm | 32 mm |

BN4E4LX
DEEP 6 POINT HAND SOCKET


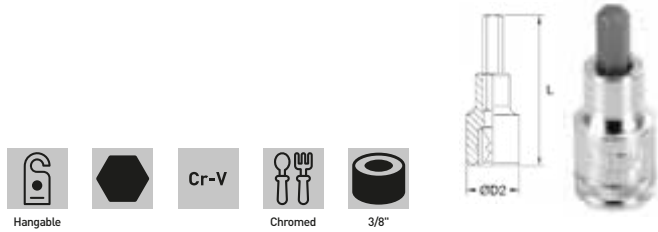
| Art. | Size | D1 | D2 | Length |
|------------|-------|---------|---------|--------|
| BN4E4L006A | 6 mm | 9,3 mm | 17 mm | 63 mm |
| BN4E4L007A | 7 mm | 10,6 mm | 17 mm | 62 mm |
| BN4E4L008A | 8 mm | 11,8 mm | 17 mm | 63 mm |
| BN4E4L009A | 9 mm | 13,2 mm | 17 mm | 63 mm |
| BN4E4L010A | 10 mm | 14,5 mm | 17 mm | 63 mm |
| BN4E4L011A | 11 mm | 15,7 mm | 17 mm | 63 mm |
| BN4E4L012A | 12 mm | 17 mm | 16,4 mm | 63 mm |
| BN4E4L013A | 13 mm | 18 mm | 17 mm | 63 mm |
| BN4E4L014A | 14 mm | 19,6 mm | 17 mm | 63 mm |
| BN4E4L015A | 15 mm | 20,9 mm | 18 mm | 63 mm |
| BN4E4L016A | 16 mm | 22 mm | 18 mm | 63 mm |
| BN4E4L017A | 17 mm | 23,4 mm | 18 mm | 63 mm |
| BN4E4L018A | 18 mm | 24,6 mm | 20 mm | 63 mm |
| BN4E4L019A | 19 mm | 26 mm | 20 mm | 63 mm |
| BN4E4L020A | 20 mm | 27,1 mm | 20 mm | 63 mm |
| BN4E4L021A | 21 mm | 28 mm | 20 mm | 63 mm |
| BN4E4L022A | 22 mm | 30 mm | 20 mm | 63 mm |





BN414NX

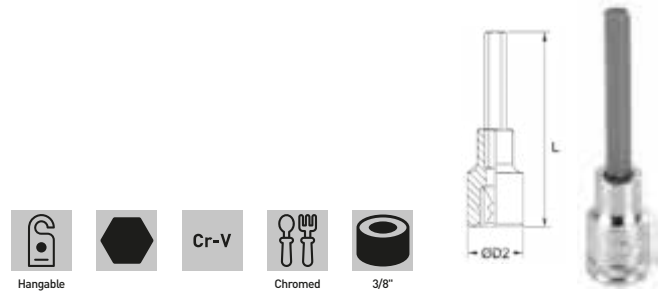
HEX BIT SOCKET



| Art. | Size | D2 | Length |
|------------|-------|-------|--------|
| BN414N003A | 3 mm | 18 mm | 48 mm |
| BN414N004A | 4 mm | 18 mm | 48 mm |
| BN414N005A | 5 mm | 18 mm | 48 mm |
| BN414N006A | 6 mm | 18 mm | 48 mm |
| BN414N007A | 7 mm | 18 mm | 48 mm |
| BN414N008A | 8 mm | 18 mm | 48 mm |
| BN414N009A | 9 mm | 20 mm | 48 mm |
| BN414N010A | 10 mm | 20 mm | 48 mm |
| BN414N012A | 12 mm | 20 mm | 48 mm |

BN414LX

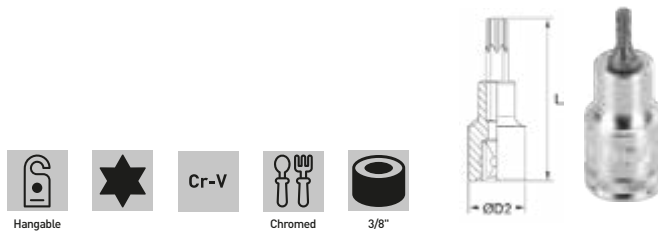
LONG HEX BIT SOCKET



| Art. | Size | D2 | Length |
|------------|-------|-------|--------|
| BN414L003A | 3 mm | 18 mm | 95 mm |
| BN414L004A | 4 mm | 18 mm | 95 mm |
| BN414L005A | 5 mm | 18 mm | 95 mm |
| BN414L006A | 6 mm | 18 mm | 95 mm |
| BN414L007A | 7 mm | 18 mm | 95 mm |
| BN414L008A | 8 mm | 18 mm | 95 mm |
| BN414L009A | 9 mm | 20 mm | 95 mm |
| BN414L010A | 10 mm | 20 mm | 95 mm |
| BN414L012A | 12 mm | 20 mm | 95 mm |

BN424NX

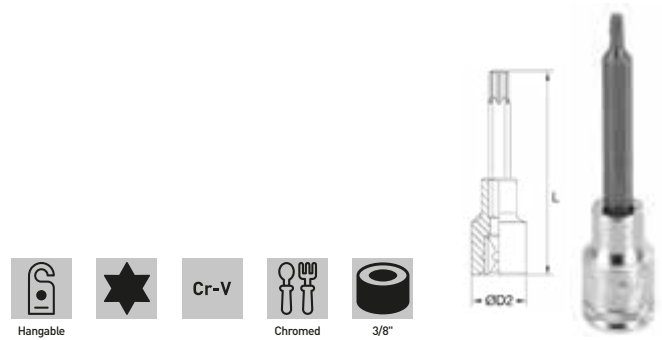
TORX BIT SOCKET



| Art. | Size | D2 | Length |
|------------|------|-------|--------|
| BN424N010A | T10 | 18 mm | 48 mm |
| BN424N015A | T15 | 18 mm | 48 mm |
| BN424N020A | T20 | 18 mm | 48 mm |
| BN424N025A | T25 | 18 mm | 48 mm |
| BN424N027A | T27 | 18 mm | 48 mm |
| BN424N030A | T30 | 18 mm | 48 mm |
| BN424N040A | T40 | 18 mm | 48 mm |
| BN424N045A | T45 | 18 mm | 48 mm |
| BN424N050A | T50 | 20 mm | 48 mm |
| BN424N055A | T55 | 20 mm | 48 mm |

BN424LX

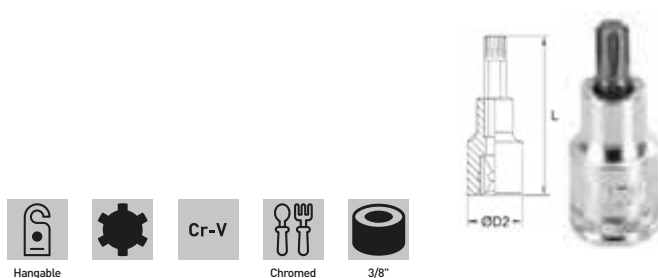
LONG TORX BIT SOCKET



| Art. | Size | D2 | Length |
|------------|------|-------|--------|
| BN424L015A | T15 | 18 mm | 95 mm |
| BN424L020A | T20 | 18 mm | 95 mm |
| BN424L025A | T25 | 18 mm | 95 mm |
| BN424L027A | T27 | 18 mm | 95 mm |
| BN424L030A | T30 | 18 mm | 95 mm |
| BN424L040A | T40 | 18 mm | 95 mm |
| BN424L045A | T45 | 18 mm | 95 mm |

BN434NX

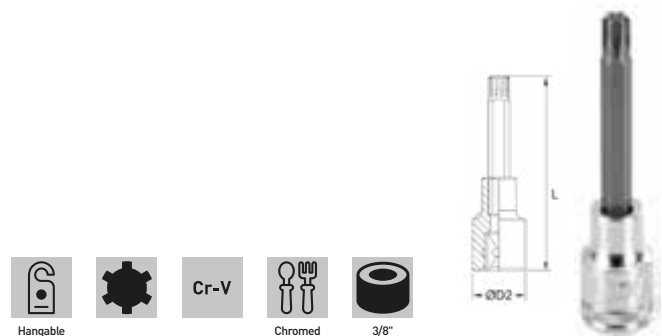
RIBE BIT SOCKET



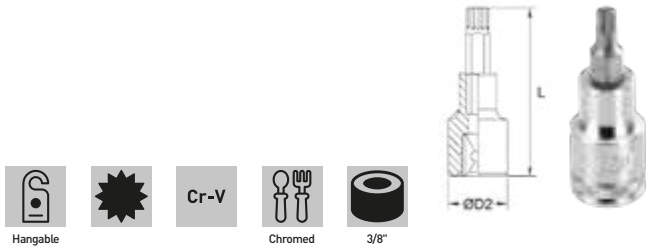
| Art. | Size | D2 | Length |
|------------|------|-------|--------|
| BN434N004A | M 4 | 18 mm | 50 mm |
| BN434N005A | M 5 | 18 mm | 50 mm |
| BN434N006A | M 6 | 18 mm | 50 mm |
| BN434N007A | M 7 | 18 mm | 50 mm |
| BN434N008A | M 8 | 18 mm | 50 mm |
| BN434N009A | M 9 | 18 mm | 50 mm |
| BN434N010A | M 10 | 20 mm | 50 mm |

BN434LX

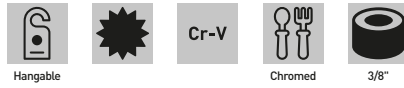
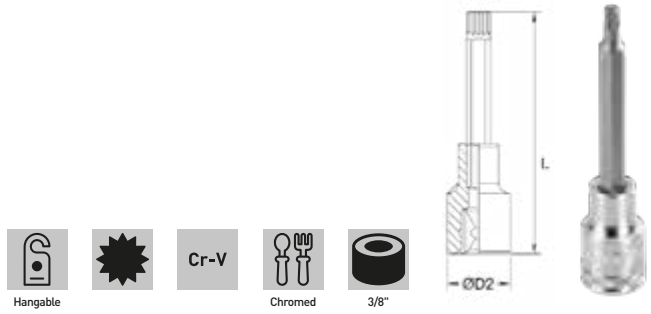
LONG RIBE BIT SOCKET



| Art. | Size | D2 | Length |
|------------|------|-------|--------|
| BN434L004A | M 4 | 18 mm | 95 mm |
| BN434L005A | M 5 | 18 mm | 95 mm |
| BN434L006A | M 6 | 18 mm | 95 mm |
| BN434L007A | M 7 | 18 mm | 95 mm |
| BN434L008A | M 8 | 18 mm | 95 mm |
| BN434L009A | M 9 | 18 mm | 95 mm |
| BN434L010A | M 10 | 20 mm | 95 mm |

BN444NX
XZN BIT SOCKET


| Art. | Size | D2 | Length |
|------------|------|-------|--------|
| BN444N004A | M 4 | 18 mm | 48 mm |
| BN444N005A | M 5 | 18 mm | 48 mm |
| BN444N006A | M 6 | 18 mm | 48 mm |
| BN444N008A | M 8 | 18 mm | 48 mm |
| BN444N009A | M 9 | 20 mm | 48 mm |
| BN444N010A | M 10 | 20 mm | 48 mm |
| BN444N012A | M 12 | 20 mm | 48 mm |
| BN444N014A | M 14 | 20 mm | 48 mm |

BN444LX
LONG XZN BIT SOCKET


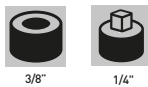
| Art. | Size | D2 | Length |
|------------|------|-------|--------|
| BN444L004A | M 4 | 18 mm | 95 mm |
| BN444L005A | M 5 | 18 mm | 95 mm |
| BN444L006A | M 6 | 18 mm | 95 mm |
| BN444L008A | M 8 | 18 mm | 95 mm |
| BN444L009A | M 9 | 20 mm | 95 mm |
| BN444L010A | M 10 | 20 mm | 95 mm |
| BN444L012A | M 12 | 20 mm | 95 mm |
| BN444L014A | M 14 | 20 mm | 95 mm |

BN4C4LX
SPARK PLUG SOCKET

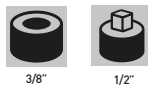

| Art. | Size | Length |
|------------|-------|--------|
| BN4C4L016A | 16 mm | 63 mm |
| BN4C4L018A | 18 mm | 63 mm |
| BN4C4L021A | 21 mm | 65 mm |


LN400N3/8A
SLIDING T BAR


Length 200 mm


RN4045NA
ADAPTER


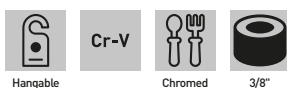
Length 27 mm


RN4043NA
ADAPTER


Length 35 mm


JN404NA
UNIVERSAL JOINT


Length 54 mm


PN404NX
EXTENSION BAR


| Art. | Length |
|------------|--------|
| PN404N050A | 50 mm |
| PN404N075A | 75 mm |
| PN404N150A | 150 mm |


EN404NX
WOBBLE EXTENSION BAR


| Art. | Length |
|------------|--------|
| EN404N038A | 38 mm |
| EN404N075A | 75 mm |
| EN404N150A | 150 mm |
| EN404N250A | 250 mm |





BN4E3NX

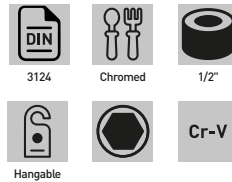
STANDARD 6 POINT HAND SOCKET



| Art. | Size | D1 | D2 | Length |
|------------|-------|---------|---------|--------|
| BN4E3N008A | 8 mm | 12,2 mm | 22 mm | 38 mm |
| BN4E3N009A | 9 mm | 13,5 mm | 22 mm | 38 mm |
| BN4E3N010A | 10 mm | 15 mm | 22 mm | 38 mm |
| BN4E3N011A | 11 mm | 16,3 mm | 22 mm | 38 mm |
| BN4E3N012A | 12 mm | 17,6 mm | 22 mm | 38 mm |
| BN4E3N013A | 13 mm | 18,8 mm | 22 mm | 38 mm |
| BN4E3N014A | 14 mm | 20,4 mm | 22 mm | 38 mm |
| BN4E3N015A | 15 mm | 21 mm | 22 mm | 38 mm |
| BN4E3N016A | 16 mm | 22 mm | 20,5 mm | 38 mm |
| BN4E3N017A | 17 mm | 24 mm | 22 mm | 38 mm |
| BN4E3N018A | 18 mm | 25,4 mm | 22 mm | 38 mm |
| BN4E3N019A | 19 mm | 26 mm | 22 mm | 38 mm |
| BN4E3N020A | 20 mm | 28 mm | 22 mm | 38 mm |
| BN4E3N021A | 21 mm | 28 mm | 22 mm | 38 mm |
| BN4E3N022A | 22 mm | 30 mm | 26 mm | 38 mm |
| BN4E3N023A | 23 mm | 31,6 mm | 26 mm | 38 mm |
| BN4E3N024A | 24 mm | 32 mm | 26 mm | 38 mm |
| BN4E3N025A | 25 mm | 34 mm | 26 mm | 42 mm |
| BN4E3N026A | 26 mm | 35,4 mm | 28 mm | 42 mm |
| BN4E3N027A | 27 mm | 36 mm | 28 mm | 42 mm |
| BN4E3N028A | 28 mm | 38 mm | 28 mm | 42 mm |
| BN4E3N029A | 29 mm | 38 mm | 28 mm | 43 mm |
| BN4E3N030A | 30 mm | 40 mm | 28 mm | 43 mm |
| BN4E3N032A | 32 mm | 42 mm | 28 mm | 44 mm |

BN4E3LX

DEEP 6 POINT HAND SOCKET



| Art. | Size | D1 | D2 | Length |
|------------|-------|---------|---------|--------|
| BN4E3L010A | 10 mm | 15 mm | 22 mm | 77 mm |
| BN4E3L011A | 11 mm | 16,3 mm | 22 mm | 77 mm |
| BN4E3L012A | 12 mm | 17,6 mm | 22 mm | 77 mm |
| BN4E3L013A | 13 mm | 18,8 mm | 22 mm | 77 mm |
| BN4E3L014A | 14 mm | 20,4 mm | 22 mm | 77 mm |
| BN4E3L015A | 15 mm | 21 mm | 22 mm | 77 mm |
| BN4E3L016A | 16 mm | 22 mm | 20,5 mm | 77 mm |
| BN4E3L017A | 17 mm | 24 mm | 22 mm | 77 mm |
| BN4E3L018A | 18 mm | 25,4 mm | 22 mm | 77 mm |
| BN4E3L019A | 19 mm | 26 mm | 22 mm | 77 mm |
| BN4E3L020A | 20 mm | 28 mm | 22 mm | 77 mm |
| BN4E3L021A | 21 mm | 28 mm | 22 mm | 77 mm |
| BN4E3L022A | 22 mm | 30 mm | 26 mm | 77 mm |
| BN4E3L023A | 23 mm | 31,6 mm | 26 mm | 77 mm |
| BN4E3L024A | 24 mm | 32 mm | 26 mm | 77 mm |
| BN4E3L027A | 27 mm | 36 mm | 28 mm | 77 mm |
| BN4E3L030A | 30 mm | 40 mm | 28 mm | 77 mm |
| BN4E3L032A | 32 mm | 42 mm | 28 mm | 77 mm |

BN4P3NX

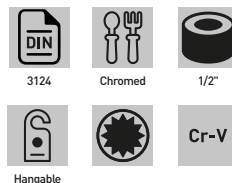
STANDARD 12 POINT HAND SOCKET



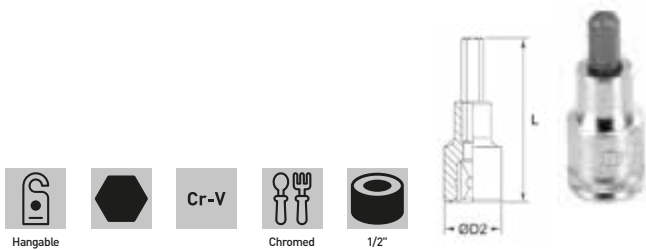
| Art. | Size | D1 | D2 | Length |
|------------|-------|---------|---------|--------|
| BN4P3N008A | 8 mm | 12,2 mm | 22 mm | 38 mm |
| BN4P3N009A | 9 mm | 13,5 mm | 22 mm | 38 mm |
| BN4P3N010A | 10 mm | 15 mm | 22 mm | 38 mm |
| BN4P3N011A | 11 mm | 16,3 mm | 22 mm | 38 mm |
| BN4P3N012A | 12 mm | 17,6 mm | 22 mm | 38 mm |
| BN4P3N013A | 13 mm | 18,8 mm | 22 mm | 38 mm |
| BN4P3N014A | 14 mm | 20,4 mm | 22 mm | 38 mm |
| BN4P3N015A | 15 mm | 21 mm | 22 mm | 38 mm |
| BN4P3N016A | 16 mm | 22 mm | 20,5 mm | 38 mm |
| BN4P3N017A | 17 mm | 24 mm | 22 mm | 38 mm |
| BN4P3N018A | 18 mm | 25,4 mm | 22 mm | 38 mm |
| BN4P3N019A | 19 mm | 26 mm | 22 mm | 38 mm |
| BN4P3N020A | 20 mm | 28 mm | 22 mm | 38 mm |
| BN4P3N021A | 21 mm | 28 mm | 22 mm | 38 mm |
| BN4P3N022A | 22 mm | 30 mm | 26 mm | 38 mm |
| BN4P3N023A | 23 mm | 31,6 mm | 26 mm | 38 mm |
| BN4P3N024A | 24 mm | 32 mm | 26 mm | 38 mm |
| BN4P3N025A | 25 mm | 34 mm | 26 mm | 42 mm |
| BN4P3N026A | 26 mm | 35,4 mm | 28 mm | 42 mm |
| BN4P3N027A | 27 mm | 36 mm | 28 mm | 42 mm |
| BN4P3N028A | 28 mm | 38 mm | 28 mm | 43 mm |
| BN4P3N029A | 29 mm | 38 mm | 28 mm | 43 mm |
| BN4P3N030A | 30 mm | 40 mm | 28 mm | 43 mm |
| BN4P3N032A | 32 mm | 42 mm | 28 mm | 44 mm |

BN4P3LX

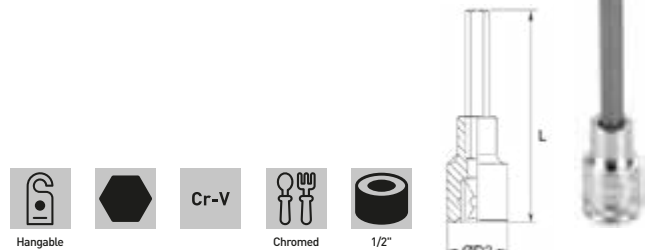
DEEP 12 POINT HAND SOCKET



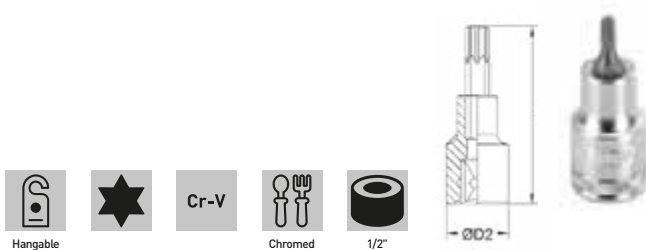
| Art. | Size | D1 | D2 | Length |
|------------|-------|---------|---------|--------|
| BN4P3L010A | 10 mm | 15 mm | 22 mm | 77 mm |
| BN4P3L011A | 11 mm | 16,3 mm | 22 mm | 77 mm |
| BN4P3L012A | 12 mm | 17,6 mm | 22 mm | 77 mm |
| BN4P3L013A | 13 mm | 18,8 mm | 22 mm | 77 mm |
| BN4P3L014A | 14 mm | 20,4 mm | 22 mm | 77 mm |
| BN4P3L015A | 15 mm | 21 mm | 22 mm | 77 mm |
| BN4P3L016A | 16 mm | 22 mm | 20,5 mm | 77 mm |
| BN4P3L017A | 17 mm | 24 mm | 22 mm | 77 mm |
| BN4P3L018A | 18 mm | 25,4 mm | 22 mm | 77 mm |
| BN4P3L019A | 19 mm | 26 mm | 22 mm | 77 mm |
| BN4P3L020A | 20 mm | 28 mm | 22 mm | 77 mm |
| BN4P3L021A | 21 mm | 28 mm | 22 mm | 77 mm |
| BN4P3L022A | 22 mm | 30 mm | 26 mm | 77 mm |
| BN4P3L023A | 23 mm | 31,6 mm | 26 mm | 77 mm |
| BN4P3L024A | 24 mm | 32 mm | 26 mm | 77 mm |
| BN4P3L027A | 27 mm | 36 mm | 28 mm | 77 mm |
| BN4P3L030A | 30 mm | 40 mm | 28 mm | 77 mm |
| BN4P3L032A | 32 mm | 42 mm | 28 mm | 77 mm |

BN413NX
HEX BIT SOCKET


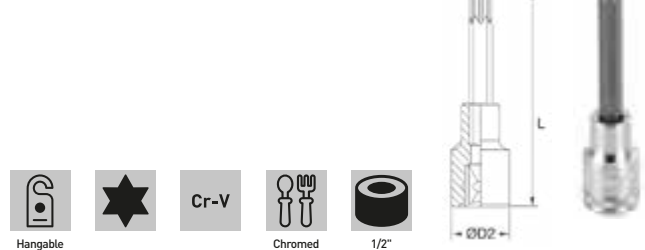
| Art. | Size | D2 | Length |
|------------|-------|-------|--------|
| BN413N004A | 4 mm | 22 mm | 55 mm |
| BN413N005A | 5 mm | 22 mm | 55 mm |
| BN413N006A | 6 mm | 22 mm | 55 mm |
| BN413N007A | 7 mm | 22 mm | 55 mm |
| BN413N008A | 8 mm | 22 mm | 55 mm |
| BN413N010A | 10 mm | 22 mm | 55 mm |
| BN413N012A | 12 mm | 22 mm | 55 mm |
| BN413N014A | 14 mm | 24 mm | 55 mm |
| BN413N017A | 17 mm | 26 mm | 55 mm |
| BN413N019A | 19 mm | 28 mm | 55 mm |

BN413LX
LONG HEX BIT SOCKET


| Art. | Size | D2 | Length |
|------------|-------|-------|--------|
| BN413L004A | 4 mm | 22 mm | 100 mm |
| BN413L005A | 5 mm | 22 mm | 100 mm |
| BN413L006A | 6 mm | 22 mm | 100 mm |
| BN413L007A | 7 mm | 22 mm | 100 mm |
| BN413L008A | 8 mm | 22 mm | 100 mm |
| BN413L010A | 10 mm | 22 mm | 100 mm |
| BN413L012A | 12 mm | 22 mm | 100 mm |
| BN413L014A | 14 mm | 24 mm | 100 mm |
| BN413L017A | 17 mm | 26 mm | 100 mm |
| BN413L019A | 19 mm | 28 mm | 100 mm |

BN423NX
TORX BIT SOCKET


| Art. | Size | D2 | Length |
|------------|------|-------|--------|
| BN423N020A | T20 | 22 mm | 55 mm |
| BN423N025A | T25 | 22 mm | 55 mm |
| BN423N027A | T27 | 22 mm | 55 mm |
| BN423N030A | T30 | 22 mm | 55 mm |
| BN423N040A | T40 | 22 mm | 55 mm |
| BN423N045A | T45 | 22 mm | 55 mm |
| BN423N050A | T50 | 22 mm | 55 mm |
| BN423N055A | T55 | 22 mm | 55 mm |
| BN423N060A | T60 | 22 mm | 55 mm |
| BN423N070A | T70 | 22 mm | 55 mm |

BN423LX
LONG TORX BIT SOCKET


| Art. | Size | D2 | Length |
|------------|------|-------|--------|
| BN423L020A | T20 | 22 mm | 100 mm |
| BN423L025A | T25 | 22 mm | 100 mm |
| BN423L027A | T27 | 22 mm | 100 mm |
| BN423L030A | T30 | 22 mm | 100 mm |
| BN423L040A | T40 | 22 mm | 100 mm |
| BN423L045A | T45 | 22 mm | 100 mm |
| BN423L050A | T50 | 22 mm | 100 mm |
| BN423L055A | T55 | 22 mm | 100 mm |
| BN423L060A | T60 | 22 mm | 100 mm |
| BN423L070A | T70 | 22 mm | 100 mm |

BN433NX
RIBE BIT SOCKET


| Art. | Size | D2 | Length |
|------------|------|-------|--------|
| BN433N008A | M 8 | 22 mm | 55 mm |
| BN433N009A | M 9 | 22 mm | 55 mm |
| BN433N010A | M 10 | 22 mm | 55 mm |
| BN433N012A | M 12 | 22 mm | 55 mm |
| BN433N013A | M 13 | 24 mm | 55 mm |
| BN433N014A | M 14 | 24 mm | 55 mm |

BN433LX
LONG RIBE BIT SOCKET


| Art. | Size | D2 | Length |
|------------|------|-------|--------|
| BN433L008A | M 8 | 24 mm | 100 mm |
| BN433L009A | M 9 | 24 mm | 100 mm |
| BN433L010A | M 10 | 24 mm | 100 mm |
| BN433L012A | M 12 | 24 mm | 100 mm |
| BN433L013A | M 13 | 24 mm | 100 mm |
| BN433L014A | M 14 | 24 mm | 100 mm |



BN443NX

XZN BIT SOCKET



Cr-V



| Art. | Size | D2 | Length |
|------------|------|-------|--------|
| BN443N005A | M 5 | 22 mm | 55 mm |
| BN443N006A | M 6 | 22 mm | 55 mm |
| BN443N008A | M 8 | 22 mm | 55 mm |
| BN443N009A | M 9 | 22 mm | 55 mm |
| BN443N010A | M 10 | 22 mm | 55 mm |
| BN443N012A | M 12 | 22 mm | 55 mm |
| BN443N014A | M 14 | 24 mm | 55 mm |
| BN443N016A | M 16 | 24 mm | 55 mm |

BN443LX

LONG XZN BIT SOCKET



Cr-V



| Art. | Size | D2 | Length |
|------------|------|-------|--------|
| BN443L005A | M 5 | 22 mm | 100 mm |
| BN443L006A | M 6 | 22 mm | 100 mm |
| BN443L008A | M 8 | 22 mm | 100 mm |
| BN443L009A | M 9 | 22 mm | 100 mm |
| BN443L010A | M 10 | 22 mm | 100 mm |
| BN443L012A | M 12 | 22 mm | 100 mm |
| BN443L014A | M 14 | 24 mm | 100 mm |
| BN443L016A | M 16 | 24 mm | 100 mm |

BN4C3LX

SPARK PLUG SOCKET



Cr-V



| Art. | Size | Length |
|------------|-------|--------|
| BN4C3L016A | 16 mm | 65 mm |
| BN4C3L018A | 18 mm | 65 mm |
| BN4C3L021A | 21 mm | 65 mm |

PN403NX

EXTENSION BAR



Cr-V



| Art. | Length |
|------------|--------|
| PN403N050A | 50 mm |
| PN403N075A | 75 mm |
| PN403N150A | 150 mm |
| PN403N250A | 250 mm |

EN403NX

WOBBLE EXTENSION BAR



Cr-V



| Art. | Dr. | Length |
|------------|------|--------|
| EN403N050A | 1/2" | 50 mm |
| EN403N075A | 1/2" | 75 mm |
| EN403N125A | 1/2" | 125 mm |
| EN403N250A | 1/2" | 250 mm |
| EN403N500A | 1/2" | 500 mm |

LN400N1/2A

SLIDING T BAR



Cr-V



| | |
|--------|--------|
| Length | 300 mm |
|--------|--------|

RN4034NA

ADAPTER



Cr-V



| | |
|--------|-------|
| Length | 36 mm |
|--------|-------|

RN4032NA

ADAPTER



Cr-V



| | |
|--------|-------|
| Length | 46 mm |
|--------|-------|

JN403NA

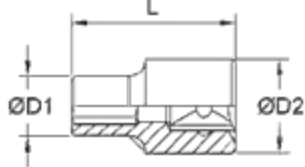
UNIVERSAL JOINT



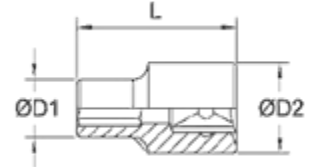
Cr-V



| | |
|--------|-------|
| Length | 75 mm |
|--------|-------|

BN4E2NX
STANDARD 6 POINT HAND SOCKET


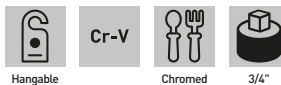
| Art. | Size | D1 | D2 | Length |
|-----------|-------|-------|-------|--------|
| BN4E2N019 | 19 mm | 30 mm | 36 mm | 50 mm |
| BN4E2N020 | 20 mm | 31 mm | 36 mm | 50 mm |
| BN4E2N021 | 21 mm | 32 mm | 36 mm | 50 mm |
| BN4E2N022 | 22 mm | 33 mm | 36 mm | 50 mm |
| BN4E2N023 | 23 mm | 34 mm | 36 mm | 50 mm |
| BN4E2N024 | 24 mm | 35 mm | 36 mm | 50 mm |
| BN4E2N025 | 25 mm | 36 mm | 35 mm | 52 mm |
| BN4E2N026 | 26 mm | 37 mm | 36 mm | 52 mm |
| BN4E2N027 | 27 mm | 38 mm | 36 mm | 52 mm |
| BN4E2N028 | 28 mm | 39 mm | 38 mm | 52 mm |
| BN4E2N029 | 29 mm | 40 mm | 38 mm | 52 mm |
| BN4E2N030 | 30 mm | 42 mm | 38 mm | 54 mm |
| BN4E2N032 | 32 mm | 43 mm | 38 mm | 56 mm |
| BN4E2N033 | 33 mm | 44 mm | 38 mm | 56 mm |
| BN4E2N034 | 34 mm | 46 mm | 38 mm | 56 mm |
| BN4E2N035 | 35 mm | 47 mm | 42 mm | 56 mm |
| BN4E2N036 | 36 mm | 48 mm | 42 mm | 58 mm |
| BN4E2N038 | 38 mm | 50 mm | 42 mm | 58 mm |
| BN4E2N041 | 41 mm | 52 mm | 45 mm | 60 mm |
| BN4E2N046 | 46 mm | 56 mm | 45 mm | 64 mm |
| BN4E2N050 | 50 mm | 62 mm | 48 mm | 68 mm |
| BN4E2N055 | 55 mm | 68 mm | 48 mm | 72 mm |
| BN4E2N060 | 60 mm | 74 mm | 48 mm | 76 mm |

BN4P2NX
STANDARD 12 POINT HAND SOCKET


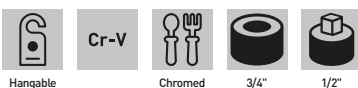
| Art. | Size | D1 | D2 | Length |
|-----------|-------|-------|-------|--------|
| BN4P2N019 | 19 mm | 30 mm | 36 mm | 50 mm |
| BN4P2N020 | 20 mm | 31 mm | 36 mm | 50 mm |
| BN4P2N021 | 21 mm | 32 mm | 36 mm | 50 mm |
| BN4P2N022 | 22 mm | 33 mm | 36 mm | 50 mm |
| BN4P2N023 | 23 mm | 34 mm | 36 mm | 50 mm |
| BN4P2N024 | 24 mm | 35 mm | 36 mm | 50 mm |
| BN4P2N025 | 25 mm | 36 mm | 35 mm | 52 mm |
| BN4P2N026 | 26 mm | 37 mm | 36 mm | 52 mm |
| BN4P2N027 | 27 mm | 38 mm | 36 mm | 52 mm |
| BN4P2N028 | 28 mm | 39 mm | 38 mm | 52 mm |
| BN4P2N029 | 29 mm | 40 mm | 38 mm | 52 mm |
| BN4P2N030 | 30 mm | 42 mm | 38 mm | 54 mm |
| BN4P2N032 | 32 mm | 43 mm | 38 mm | 56 mm |
| BN4P2N033 | 33 mm | 44 mm | 38 mm | 56 mm |
| BN4P2N034 | 34 mm | 46 mm | 38 mm | 56 mm |
| BN4P2N035 | 35 mm | 47 mm | 42 mm | 56 mm |
| BN4P2N036 | 36 mm | 48 mm | 42 mm | 58 mm |
| BN4P2N038 | 38 mm | 50 mm | 42 mm | 58 mm |
| BN4P2N041 | 41 mm | 52 mm | 45 mm | 60 mm |
| BN4P2N046 | 46 mm | 56 mm | 45 mm | 64 mm |
| BN4P2N050 | 50 mm | 62 mm | 48 mm | 68 mm |
| BN4P2N055 | 55 mm | 68 mm | 48 mm | 72 mm |
| BN4P2N060 | 60 mm | 74 mm | 48 mm | 76 mm |

PN402NX
EXTENSION BAR

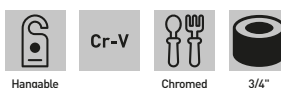

| Art. | Length |
|------------|--------|
| PN402N200A | 200 mm |
| PN402N400A | 400 mm |

LN400N3/4A
SLIDING T BAR


| | |
|--------|--------|
| Length | 500 mm |
|--------|--------|

RN4023NA
ADAPTER


| | |
|--------|-------|
| Length | 50 mm |
|--------|-------|

JN402NA
UNIVERSAL JOINT


| | |
|--------|--------|
| Length | 110 mm |
|--------|--------|



0795/2

MULTILOCK SOCKET SET

Suitable for metric, inch, torx and XZN bolt.



19 Pcs Carrying case
Cr-V Chromed 1/2"

| | |
|-----------|---|
| Sizes | 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 - 21 - 22 - 24 - 27 - 30 - 32 mm |
| Inch size | 3/8" - 7/16" - 15/32" - 1/2" - 19/32" - 5/8" - 3/4" - 25/32" - 13/16" - 7/8" - 15/16" - 1-1/16" - 1-13/16" - 1-1/4" |
| Torx size | E12 - E14 - E16 - E18 - E20 - E22 - E24 - E26 - E28 - E30 - E34 - E38 - E40 |
| XZN size | M12 - M14 - M16 - M18 |

0195

E-TORX SOCKET SET

Suitable for torx bolt.



28 Pcs Carrying case
Cr-V Chromed 1/4" | 3/8" | 1/2"

| | |
|-----------|---|
| Torx size | 1/4": E4 - E5 - E6 - E7 - E8 - E10 - E11 3/8": E4 - E5 - E6 - E7 - E8 - E10 - E11 - E12 - E14 - E16 - E18 - E20 1/2": E10 - E11 - E12 - E14 - E16 - E18 - E20 - E22 - E24 |
|-----------|---|

SN4E4C013

LOW PROFILE 12 POINT SOCKET SET

Composed of 12 sockets and 1 60t ratchet handle, suitable for operations in small spaces.



13 Pcs Box
Cr-V Chromed 3/8"

| | |
|--------|---|
| Socket | 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 mm |
|--------|---|

0795/1

MULTILOCK SOCKET SET

Suitable for metric, inch, torx and XZN bolt.



13 Pcs Carrying case
Cr-V Chromed 1/4"

| | |
|-----------|--|
| Sizes | 4 - 4,5 - 5 - 5,5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 mm |
| Inch size | 5/32" - 7/32" - 1/4" - 5/16" - 11/32" - 3/8" - 7/16" - 15/32" - 1/2" |
| Torx size | E5 - E6 - E8 - E10 - E12 - E14 - E16 - E18 |
| XZN size | M5 - M6 - M8 - M9 - M10 - M12 - M14 - M16 - M18 |

SN4E5C012

LOW PROFILE 12 POINT SOCKET SET

Composed of 11 sockets and 1 60t ratchet handle, suitable for operations in small spaces.



12 Pcs Box
Cr-V Chromed 1/4"

| | |
|--------|---|
| Socket | 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14 mm |
|--------|---|

SN4E3C015

LOW PROFILE 12 POINT SOCKET SET

Composed of 14 sockets and 1 60t ratchet handle, suitable for operations in small spaces.

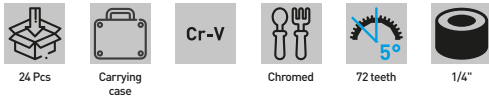


15 Pcs Box
Cr-V Chromed 1/2"

| | |
|--------|--|
| Socket | 8, 10, 11, 12, 13, 14, 15, 17, 18, 19, 21, 22, 23, 24 mm |
|--------|--|

0589
LOW PROFILE GO-THROUGH SPLINE SOCKET SET

Composed of 11 go-through spline sockets, one ratchet handle and accessories, suitable for metric, inch, torx and XZN size, can operate in small spaces.



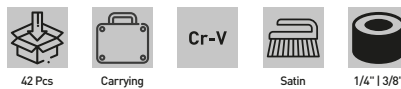
| | |
|----------------|---|
| Socket | 4.5 - 5 - 5.5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 mm |
| Ratchet handle | |
| Extension | 50 mm |
| Socket | 1/4" |
| Bit holder | |
| Bits | PH: 1 - 2 - 3 (S2) Torx: T10-T15-T20-T25-T30-T40 (S2) |

0624
1/4" DR. SOCKET SET


| | |
|----------------------|---|
| 1/4" Dr. sockets | 4 - 4.5 - 5 - 5.5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 mm |
| Sockets with bits | 1/4" : T8 - T10 - T15 - T20 - T25 - T30 - T40 - H3 - H4 - H5 - H6 - H7 - H8 - SL4 - SL5.5 - SL7 - PH1 - PH2 - PH3 - PZ1 - PZ2 - PZ3 |
| Ratchet handle | 1/4" |
| Flexible bar | 1/4" - 150 mm |
| 1/4" Dr. socket-bars | 50 - 100 mm |
| Socket handle | 1/4" |
| Universal joint | 1/4" |
| Sliding T-bar | 1/4" |
| Hex keys | 1,27 - 1,5 - 2 - 2,5 mm |

S520
1/4" DR. 6 POINT SAE SOCKET SET


| | |
|----------------------|--|
| 1/4" Dr. sockets | 5/32", 3/16", 7/32", 1/4", 9/32" 5/16", 11/32", 3/8", 13/32", 7/16", 15/32", 1/2", 9/16" |
| Universal joint | 1/4" |
| 1/4" Dr. socket-bars | 2", 4", 6" |
| Sliding T-bar | 1/4" |
| Socket handle | 1/4" |
| Ratchet handle | 1/4" |

0679
3/8" AND 1/4" DR. SOCKET SET


| | |
|--------------------------|--|
| 3/8" Dr. sockets | 9 - 10 - 11 - 12 - 13 - 14 - 15 - 17 - 19 mm |
| Spark plug sockets sizes | 3/8" : 16 - 21 mm |
| 3/8" Dr. socket-bars | 75 - 150 mm |
| Universal joint | 3/8" |
| Adapter | F. 1/2" - M. 3/8" |
| Ratchet handle | 3/8" |
| 1/4" Dr. sockets | 4 - 4,5 - 5 - 5,5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 mm |
| Socket handle | 1/4" |
| Adapter | F. 3/8" - M. 1/4" |
| Bits holder socket | 1/4" |
| Bits | PH1 - PH2 - PH3 - H3 - H4 - H5 - H6 - H7 - SL4 - SL5,5 - SL7 |



S328

1/2" DR. SOCKET SET



28 Pcs



Carrying case



Cr-V



Chromed



1/2"

| | |
|--------------------------|--|
| 1/2" Dr. sockets | 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 - 21 - 22 - 23 - 24 - 27 - 30 - 32 mm |
| Spark plug sockets sizes | 1/2" : 16 - 21 mm |
| 1/2" Dr. socket-bars | 75 - 150 - 250 mm |
| Universal joint | 1/2" |
| Adapter | F. 3/8" - M. 1/2" |
| Ratchet handle | 1/2" |

SN4P3N027

1/2" DR. 6 POINT SAE SOCKET SET

Composed of 20 standard sockets, 2 spark plug sockets, 1 ratchet handle, 1 universal joint, 2 extension bars and 1 sliding T-bar.



27 Pcs



Carrying case



Cr-V



Chromed



1/2"

| | |
|--------------------------|---|
| Standard sockets sizes | 5/16", 3/8", 7/16", 15/32", 1/2", 9/16", 19/32", 5/8", 11/16", 3/4", 25/32", 13/16", 7/8", 15/16", 1", 1-1/16", 1-3/16", 1-1/4", 23/32", 1-1/8" |
| Spark plug sockets sizes | 5/8", 13/16" |
| Extension bars sizes | 3", 10" |

0620

1/2" DR. SOCKET SET



24 Pcs



Carrying case

Cr-V



Chromed



1/2"

| | |
|--------------------------|--|
| 1/2" Dr. sockets | 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 - 21 - 22 - 23 - 24 - 27 - 30 - 32 mm |
| Spark plug sockets sizes | 1/2" : 21 mm |
| 1/2" Dr. socket-bars | 125 - 250 mm |
| Universal joint | 1/2" |
| Sliding T-bar | 1/2" |
| Ratchet handle | 1/2" |

0181

3/4" DR. SOCKET SET



20 Pcs



Carrying case



40 Cr



Satin



3/4"

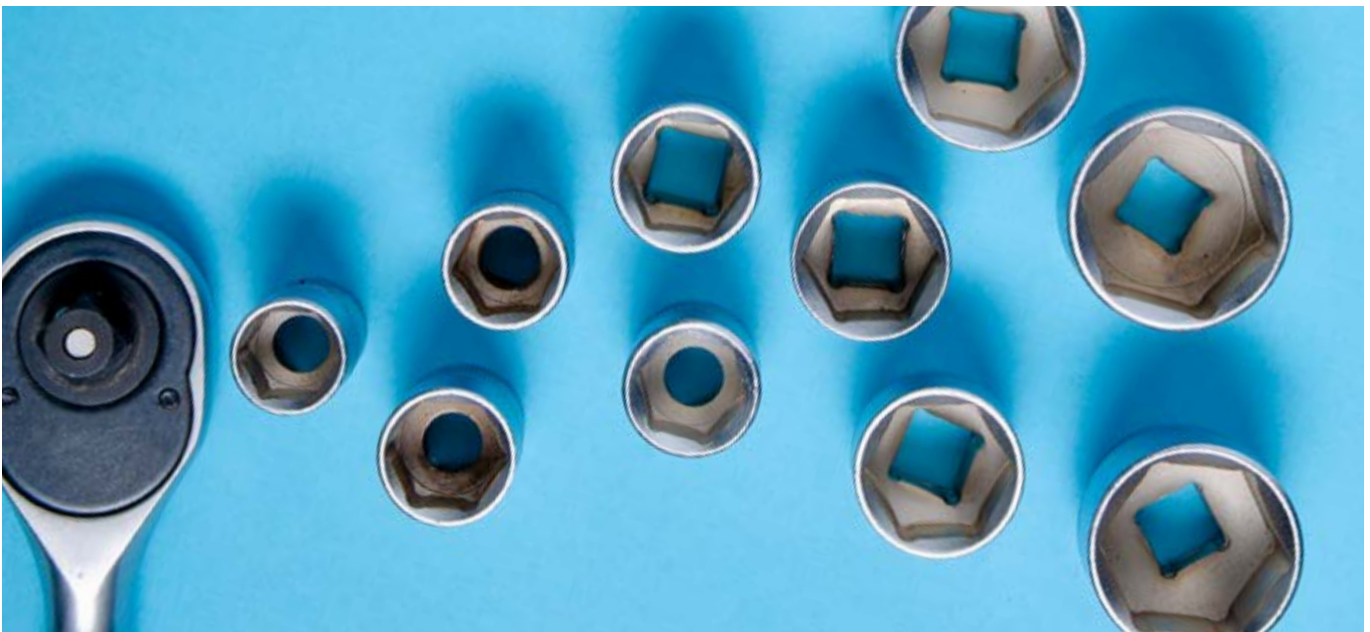
| | |
|----------------|--|
| Sizes | 19 - 21 - 22 - 23 - 24 - 26 - 27 - 30 - 32 - 34 - 36 - 38 - 41 - 46 - 48 - 50 mm |
| Ratchet handle | 3/4" |
| Sliding T-bar | 3/4" |
| Extension bars | 3/4" : 100 - 200 mm |

0622
SOCKET TORX BIT SET

Sizes T20 - T25 - T27 - T30 - T40 T45 - T50 - T55 - T60 - T70

S108
1/4" & 1/2" DR. SOCKET SET


| | |
|--------------------------|---|
| 1/4" Dr. sockets | 4 - 4.5 - 5 - 5.5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 mm |
| 1/4" Dr. deep sockets | 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 mm |
| 1/4" Dr. deep sockets | Torx: E4 - E5 - E6 - E7 - E8 mm |
| 1/2" Dr. sockets | 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 - 21 - 22 - 24 - 27 - 30 - 32 mm |
| 1/2" Dr. deep sockets | 14 - 15 - 17 - 19 - 22 mm |
| 1/2" Dr. sockets | Torx: E10 - E11 - E12 - E14 - E16 - E18 - E20 - E24 |
| Sockets with bits | 1/4" : T8 - T10 - T15 - T20 - T25 - T27 - T30 - H3 - H4 - H5 - H6 - SL4 - SL5.5 - SL6.5 - PH1 - PH2 - Pcs1 - Pcs2 |
| Spark plug sockets sizes | 1/2" : 16 - 21 mm |
| Bits holder socket | 1/2" |
| Bits | 5/16" x 30 mm : H7 - H8 - H10 - H12 - H14 - SL8 - SL10 - SL12 - PH3 - PH4 - Pcs3 - Pcs4 - T40 - T45 - T50 - T55 - T60 |
| 1/4" Dr. socket-bars | 50 - 85 mm |
| 1/2" Dr. socket-bars | 125 - 250 mm |
| Socket handle | 1/4" |
| Adapter | F. 3/8" - M. 1/2" |
| Universal joint | 1/4" |
| Universal joint | 1/2" |
| Sliding T-bar | 1/4" |
| Ratchet handle | 1/4" |
| Ratchet handle | 1/2" |
| Hex keys | 1.5 - 2 - 2.5 mm |





0618

1/2" & 1/4" DR. SOCKET SET



| | |
|------------------------------------|--|
| 1/4" Dr. sockets | 4 - 4.5 - 5 - 5.5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 mm |
| 1/4" Dr. deep sockets | 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 mm |
| Male adapter 1/4" Dr. and 1/4" hex | |
| 1/2" Dr. sockets | 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 - 21 - 22 - 23 - 24 - 27 - 30 - 32 mm |
| 1/2" Dr. deep sockets | 14 - 15 - 17 - 19 mm |
| Flexible bar | 1/4" - 150 mm |
| Sockets with bits | 1/4" : T8 - T10 - T15 - T20 - T25 - T30 - H3 - H4 - H5 - H6 - SL4 - SL5.5 - SL7 - PH1 - PH2 - Pcs1 - Pcs2 |
| Spark plug sockets sizes | 1/2" : 16 - 21 mm |
| Socket for 5/16" inserts | 1/2" |
| Bits | 5/16" x 30 mm : H8 - H10 - H12 - H14 - SL8 - SL10 - SL12 - PH3 - PH4 - Pcs3 - Pcs4 - T40 - T45 - T50 - T55 |
| 1/4" Dr. socket-bars | 50 - 100 mm |
| 1/2" Dr. socket-bars | 125 - 250 mm |
| Socket handle | 1/4" |
| Adapter | F. 3/8" - M. 1/2" |
| Universal joint | 1/4" |
| Universal joint | 1/2" |
| Sliding T-bar | 1/4" |
| Ratchet handle | 1/4" |
| Ratchet handle | 1/2" |
| Hex keys | 1.5 - 2 - 2.5 mm |



S179

DR. SOCKET SET



| | |
|----------------------------|---|
| 1/4" Dr. sockets | 4 - 4.5 - 5 - 5.5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 mm |
| 1/4" Dr. deep sockets | 6 - 7 - 8 - 9 - 10 mm |
| 1/4" Dr. deep sockets | Torx: E4 - E5 - E6 - E7 - E8 mm |
| 1/4" Dr. socket-bars | 50 - 100 mm |
| Sliding T-bar | 1/4" |
| Bits holder socket | 1/4" |
| Sockets with bits | 1/4" - Torx: T8 - T9 - T10 - T15 - T20 - T25 - T27 - T30 |
| Sockets with tampered bits | 1/4" - Torx: T8H - T9H - T10H - T15H - T20H - T25H - T27H - T30H |
| Sockets with bits | 1/4" : PH0 - PH1 - PH2 |
| Sockets with bits | 1/4" : Pcs0 - Pcs1 - Pcs2 |
| Sockets with hex bits | 1/4" : 3 - 4 - 5 - 6 mm |
| Sockets with slotted bits | 1/4" : 4 - 5.5 - 6.5 - 7 mm |
| Universal joint | 1/4" |
| Socket handle | 1/4" |
| Ratchet handle | 1/4" |
| 3/8" Dr. sockets | 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 mm |
| 3/8" Dr. sockets | Torx: E10 - E11 - E12 - E13 |
| 3/8" Dr. deep sockets | 10 - 11 - 12 - 13 - 14 - 15 mm |
| Spark plug sockets sizes | 3/8" - 18 mm |
| 3/8" Dr. socket-bars | 150 mm |
| Socket for 5/16" inserts | 3/8" |
| Universal joint | 3/8" |
| Ratchet handle | 3/8" |
| 1/2" Dr. sockets | 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 - 21 - 22 - 24 - 27 - 30 - 32 mm |
| 1/2" Dr. deep sockets | 16 - 17 - 18 - 19 - 22 mm |
| 1/2" Dr. sockets | Torx: E16 - E18 - E20 - E24 |
| Spark plug sockets sizes | 1/2" : 16 - 21 mm |
| 1/2" Dr. socket-bars | 125 - 250 mm |
| Socket for 5/16" inserts | 1/2" |



| | |
|-----------------|--|
| Universal joint | 1/2" |
| Adapter | F. 3/8" - M. 1/2" |
| Ratchet handle | 1/2" |
| Bits | 1/4" x 25 mm XZN: M5 - M6 - M8 |
| Bits | 1/4" x 25 mm Torx: T5 - T6 - T7 - T8 - T9 - T10 - T15 - T20 - T25 - T27 - T30 |
| Bits | 1/4" x 25 mm Ribe: RM5 - RM6 - RM7 - RM8 - RM9 |
| Bits | 1/4" x 25 mm Torx "5": TS7 - TS10 - TS15 - TS20 - TS25 - TS27 - TS30 - TS40 - TS45 |
| Bits | 5/16" x 30 mm Torx: T40 - T45 - T50 - T55 - T60 - T70 |
| Tampered bits | 5/16" x 30 mm Torx: T40H - T45H - T50H - T55H - T60H - T70H |
| Hex bits | 5/16" x 30 mm: 7 - 8 - 10 - 12 - 14 mm |
| Bits | 5/16" x 30 mm: PH3 - PH4 |
| Bits | 5/16" x 30 mm: Pcs3 - Pcs4 |
| Slotted bits | 5/16" x 30 mm: 8 - 10 - 12 mm |
| Hex keys | 1.3 - 1.5 - 2 - 2.5 - 3 - 4 - 5 mm |

BI4E3NX
STANDARD IMPACT SOCKET

Cr-Mo

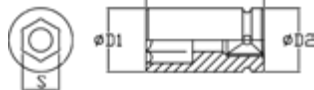

Phosphated



1/2"



3124



| Art. | Size | D1 | D2 | Length |
|-----------|-------|---------|-------|--------|
| BI4E3N008 | 8 mm | 15 mm | 24 mm | 38 mm |
| BI4E3N009 | 9 mm | 16 mm | 24 mm | 38 mm |
| BI4E3N010 | 10 mm | 17,5 mm | 24 mm | 38 mm |
| BI4E3N011 | 11 mm | 18,5 mm | 24 mm | 38 mm |
| BI4E3N012 | 12 mm | 19,5 mm | 24 mm | 38 mm |
| BI4E3N013 | 13 mm | 20,5 mm | 24 mm | 38 mm |
| BI4E3N014 | 14 mm | 22 mm | 24 mm | 38 mm |
| BI4E3N015 | 15 mm | 24 mm | 24 mm | 38 mm |
| BI4E3N016 | 16 mm | 24 mm | 24 mm | 38 mm |
| BI4E3N017 | 17 mm | 26 mm | 26 mm | 38 mm |
| BI4E3N018 | 18 mm | 28 mm | 28 mm | 38 mm |
| BI4E3N019 | 19 mm | 28 mm | 28 mm | 38 mm |
| BI4E3N020 | 20 mm | 30 mm | 30 mm | 38 mm |
| BI4E3N021 | 21 mm | 30 mm | 30 mm | 38 mm |
| BI4E3N022 | 22 mm | 32 mm | 30 mm | 38 mm |
| BI4E3N023 | 23 mm | 34 mm | 30 mm | 38 mm |
| BI4E3N024 | 24 mm | 34 mm | 30 mm | 38 mm |
| BI4E3N025 | 25 mm | 36 mm | 30 mm | 38 mm |
| BI4E3N026 | 26 mm | 36 mm | 30 mm | 38 mm |
| BI4E3N027 | 27 mm | 38 mm | 30 mm | 42 mm |
| BI4E3N028 | 28 mm | 40 mm | 30 mm | 42 mm |
| BI4E3N029 | 29 mm | 42 mm | 30 mm | 42 mm |
| BI4E3N030 | 30 mm | 42 mm | 30 mm | 42 mm |
| BI4E3N031 | 31 mm | 44 mm | 30 mm | 42 mm |
| BI4E3N032 | 32 mm | 44 mm | 30 mm | 44 mm |

BI4E3LX
DEEP IMPACT SOCKET

Cr-Mo

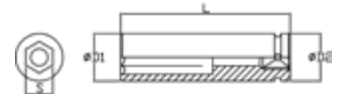

Phosphated



1/2"



3124



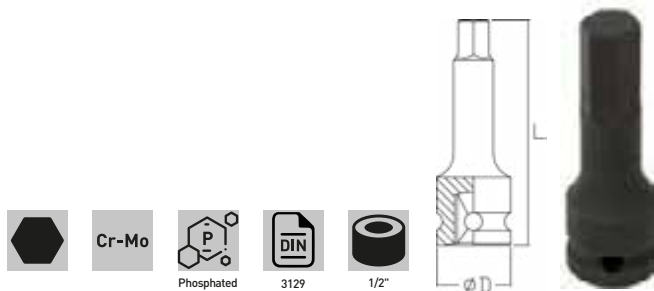
| Art. | Size | D1 | D2 | Length |
|-----------|-------|---------|-------|--------|
| BI4E3L008 | 8 mm | 15 mm | 24 mm | 78 mm |
| BI4E3L009 | 9 mm | 16 mm | 24 mm | 78 mm |
| BI4E3L010 | 10 mm | 17,5 mm | 24 mm | 78 mm |
| BI4E3L011 | 11 mm | 18,5 mm | 24 mm | 78 mm |
| BI4E3L012 | 12 mm | 19,5 mm | 24 mm | 78 mm |
| BI4E3L013 | 13 mm | 20,5 mm | 24 mm | 78 mm |
| BI4E3L014 | 14 mm | 22 mm | 24 mm | 78 mm |
| BI4E3L015 | 15 mm | 24 mm | 24 mm | 78 mm |
| BI4E3L016 | 16 mm | 24 mm | 24 mm | 78 mm |
| BI4E3L017 | 17 mm | 26 mm | 26 mm | 78 mm |
| BI4E3L018 | 18 mm | 28 mm | 28 mm | 78 mm |
| BI4E3L019 | 19 mm | 28 mm | 28 mm | 78 mm |
| BI4E3L020 | 20 mm | 30 mm | 30 mm | 78 mm |
| BI4E3L021 | 21 mm | 30 mm | 30 mm | 78 mm |
| BI4E3L022 | 22 mm | 32 mm | 30 mm | 78 mm |
| BI4E3L023 | 23 mm | 34 mm | 30 mm | 78 mm |
| BI4E3L024 | 24 mm | 34 mm | 30 mm | 78 mm |
| BI4E3L025 | 25 mm | 36 mm | 30 mm | 78 mm |
| BI4E3L026 | 26 mm | 36 mm | 30 mm | 78 mm |
| BI4E3L027 | 27 mm | 38 mm | 30 mm | 78 mm |
| BI4E3L028 | 28 mm | 40 mm | 30 mm | 78 mm |
| BI4E3L029 | 29 mm | 42 mm | 30 mm | 78 mm |
| BI4E3L030 | 30 mm | 42 mm | 30 mm | 78 mm |
| BI4E3L031 | 31 mm | 44 mm | 30 mm | 78 mm |
| BI4E3L032 | 32 mm | 44 mm | 30 mm | 78 mm |





BI413LOX

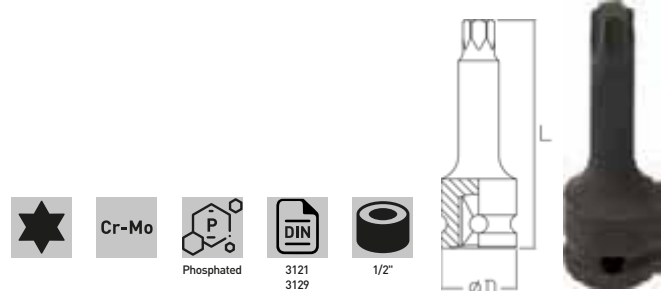
IMPACT HEX BIT SOCKET



| Art. | Size | D | Length |
|-----------|-------|-------|--------|
| BI413L004 | 4 mm | 25 mm | 78 mm |
| BI413L005 | 5 mm | 25 mm | 78 mm |
| BI413L006 | 6 mm | 25 mm | 78 mm |
| BI413L008 | 8 mm | 25 mm | 78 mm |
| BI413L010 | 10 mm | 25 mm | 78 mm |
| BI413L012 | 12 mm | 25 mm | 78 mm |
| BI413L014 | 14 mm | 25 mm | 78 mm |
| BI413L017 | 17 mm | 25 mm | 78 mm |
| BI413L019 | 19 mm | 25 mm | 78 mm |

BI423LX

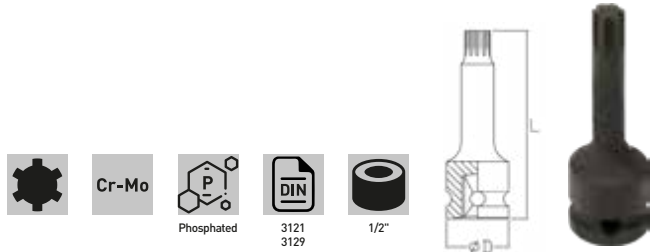
IMPACT TORX BIT SOCKET



| Art. | Size | D | Length |
|-----------|------|-------|--------|
| BI423L025 | T25 | 25 mm | 78 mm |
| BI423L027 | T27 | 25 mm | 78 mm |
| BI423L030 | T30 | 25 mm | 78 mm |
| BI423L040 | T40 | 25 mm | 78 mm |
| BI423L045 | T45 | 25 mm | 78 mm |
| BI423L050 | T50 | 25 mm | 78 mm |
| BI423L060 | T60 | 25 mm | 78 mm |
| BI423L070 | T70 | 25 mm | 78 mm |
| BI423L080 | T80 | 25 mm | 78 mm |

BI433MX

IMPACT RIBE BIT SOCKET



| Art. | Size | D | Length |
|-----------|------|-------|--------|
| BI433M004 | 4 | 25 mm | 60 mm |
| BI433M005 | 5 | 25 mm | 60 mm |
| BI433M006 | 6 | 25 mm | 60 mm |
| BI433M007 | 7 | 25 mm | 60 mm |
| BI433M008 | 8 | 25 mm | 60 mm |
| BI433M009 | 9 | 25 mm | 60 mm |
| BI433M010 | 10 | 25 mm | 60 mm |
| BI433M012 | 12 | 25 mm | 60 mm |
| BI433M014 | 14 | 25 mm | 60 mm |
| BI433M016 | 16 | 25 mm | 60 mm |
| BI433M018 | 18 | 25 mm | 60 mm |

BI443MX

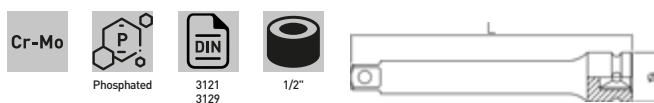
IMPACT XZN BIT SOCKET



| Art. | Size | D | Length |
|-----------|------|-------|--------|
| BI443M004 | 4 | 25 mm | 60 mm |
| BI443M005 | 5 | 25 mm | 60 mm |
| BI443M006 | 6 | 25 mm | 60 mm |
| BI443M008 | 8 | 25 mm | 60 mm |
| BI443M010 | 10 | 25 mm | 60 mm |
| BI443M012 | 12 | 25 mm | 60 mm |
| BI443M014 | 14 | 25 mm | 60 mm |
| BI443M016 | 16 | 25 mm | 60 mm |
| BI443M018 | 18 | 25 mm | 60 mm |
| BI443M020 | 20 | 25 mm | 60 mm |

PI403X

IMPACT EXTENSION BAR



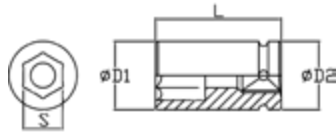
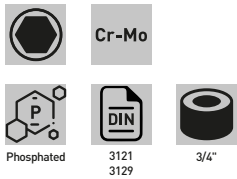
| Art. | D | Length |
|----------|-------|--------|
| PI403075 | 25 mm | 75 mm |
| PI403125 | 25 mm | 125 mm |
| PI403150 | 25 mm | 150 mm |
| PI403250 | 25 mm | 250 mm |

PI453X

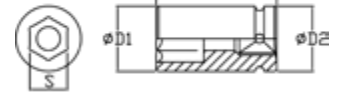
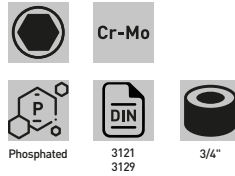
QUICK RELEASE IMPACT EXTENSION BAR



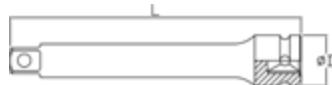
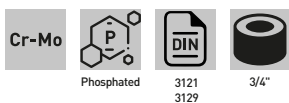
| Art. | D | Length |
|----------|-------|--------|
| PI453075 | 25 mm | 75 mm |
| PI453150 | 25 mm | 125 mm |
| PI453250 | 25 mm | 250 mm |

BI4E2NX
STANDARD IMPACT SOCKET


| Art. | Size | D1 | D2 | Length |
|-----------|-------|-------|-------|--------|
| BI4E2N018 | 18 mm | 30 mm | 44 mm | 51 mm |
| BI4E2N019 | 19 mm | 32 mm | 44 mm | 51 mm |
| BI4E2N020 | 20 mm | 33 mm | 44 mm | 51 mm |
| BI4E2N021 | 21 mm | 35 mm | 44 mm | 51 mm |
| BI4E2N022 | 22 mm | 36 mm | 44 mm | 51 mm |
| BI4E2N023 | 23 mm | 38 mm | 44 mm | 51 mm |
| BI4E2N024 | 24 mm | 39 mm | 44 mm | 51 mm |
| BI4E2N025 | 25 mm | 41 mm | 44 mm | 54 mm |
| BI4E2N026 | 26 mm | 41 mm | 44 mm | 54 mm |
| BI4E2N027 | 27 mm | 42 mm | 44 mm | 54 mm |
| BI4E2N028 | 28 mm | 44 mm | 44 mm | 54 mm |
| BI4E2N029 | 29 mm | 46 mm | 44 mm | 54 mm |
| BI4E2N030 | 30 mm | 46 mm | 44 mm | 54 mm |
| BI4E2N032 | 32 mm | 48 mm | 44 mm | 57 mm |
| BI4E2N033 | 33 mm | 50 mm | 44 mm | 57 mm |
| BI4E2N034 | 34 mm | 52 mm | 44 mm | 57 mm |
| BI4E2N035 | 35 mm | 52 mm | 44 mm | 57 mm |
| BI4E2N036 | 36 mm | 54 mm | 44 mm | 57 mm |
| BI4E2N038 | 38 mm | 56 mm | 44 mm | 57 mm |
| BI4E2N041 | 41 mm | 60 mm | 44 mm | 58 mm |
| BI4E2N046 | 46 mm | 66 mm | 44 mm | 68 mm |
| BI4E2N050 | 50 mm | 71 mm | 54 mm | 68 mm |
| BI4E2N055 | 55 mm | 77 mm | 54 mm | 73 mm |
| BI4E2N060 | 60 mm | 84 mm | 54 mm | 75 mm |
| BI4E2N065 | 65 mm | 88 mm | 54 mm | 78 mm |

BI4E2LX
DEEP IMPACT SOCKET


| Art. | Size | D1 | D2 | Length |
|-----------|-------|-------|-------|--------|
| BI4E2L018 | 18 mm | 30 mm | 44 mm | 90 mm |
| BI4E2L019 | 19 mm | 32 mm | 44 mm | 90 mm |
| BI4E2L020 | 20 mm | 33 mm | 44 mm | 90 mm |
| BI4E2L021 | 21 mm | 35 mm | 44 mm | 90 mm |
| BI4E2L022 | 22 mm | 36 mm | 44 mm | 90 mm |
| BI4E2L023 | 23 mm | 38 mm | 44 mm | 90 mm |
| BI4E2L024 | 24 mm | 39 mm | 44 mm | 90 mm |
| BI4E2L025 | 25 mm | 41 mm | 44 mm | 90 mm |
| BI4E2L026 | 26 mm | 41 mm | 44 mm | 90 mm |
| BI4E2L027 | 27 mm | 42 mm | 44 mm | 90 mm |
| BI4E2L028 | 28 mm | 44 mm | 44 mm | 90 mm |
| BI4E2L029 | 29 mm | 46 mm | 44 mm | 90 mm |
| BI4E2L030 | 30 mm | 46 mm | 44 mm | 90 mm |
| BI4E2L032 | 32 mm | 48 mm | 44 mm | 90 mm |
| BI4E2L033 | 33 mm | 50 mm | 44 mm | 90 mm |
| BI4E2L034 | 34 mm | 52 mm | 44 mm | 90 mm |
| BI4E2L035 | 35 mm | 52 mm | 44 mm | 90 mm |
| BI4E2L036 | 36 mm | 54 mm | 44 mm | 90 mm |
| BI4E2L038 | 38 mm | 56 mm | 44 mm | 90 mm |
| BI4E2L041 | 41 mm | 60 mm | 44 mm | 90 mm |
| BI4E2L046 | 46 mm | 66 mm | 44 mm | 90 mm |
| BI4E2L050 | 50 mm | 71 mm | 54 mm | 90 mm |

PI402X
IMPACT EXTENSION BAR


| Art. | D | Length |
|----------|-------|--------|
| PI402175 | 44 mm | 175 mm |
| PI402200 | 44 mm | 200 mm |
| PI402300 | 44 mm | 300 mm |
| PI402400 | 44 mm | 400 mm |





BI4E1NX

STANDARD IMPACT SOCKET



| Art. | Size | D1 | D2 | Length |
|-----------|--------|--------|-------|--------|
| BI4E1N021 | 21 mm | 38 mm | 54 mm | 58 mm |
| BI4E1N022 | 22 mm | 39 mm | 54 mm | 58 mm |
| BI4E1N023 | 23 mm | 41 mm | 54 mm | 58 mm |
| BI4E1N024 | 24 mm | 42 mm | 54 mm | 58 mm |
| BI4E1N025 | 25 mm | 43 mm | 54 mm | 58 mm |
| BI4E1N026 | 26 mm | 44 mm | 54 mm | 58 mm |
| BI4E1N027 | 27 mm | 46 mm | 54 mm | 58 mm |
| BI4E1N028 | 28 mm | 47 mm | 54 mm | 58 mm |
| BI4E1N029 | 29 mm | 48 mm | 54 mm | 58 mm |
| BI4E1N030 | 30 mm | 49 mm | 54 mm | 62 mm |
| BI4E1N031 | 31 mm | 50 mm | 54 mm | 62 mm |
| BI4E1N032 | 32 mm | 52 mm | 54 mm | 62 mm |
| BI4E1N033 | 33 mm | 54 mm | 54 mm | 62 mm |
| BI4E1N034 | 34 mm | 54 mm | 54 mm | 62 mm |
| BI4E1N035 | 35 mm | 54 mm | 54 mm | 62 mm |
| BI4E1N036 | 36 mm | 56 mm | 54 mm | 65 mm |
| BI4E1N037 | 37 mm | 57 mm | 54 mm | 65 mm |
| BI4E1N038 | 38 mm | 58 mm | 54 mm | 65 mm |
| BI4E1N039 | 39 mm | 59 mm | 54 mm | 65 mm |
| BI4E1N040 | 40 mm | 60 mm | 54 mm | 65 mm |
| BI4E1N041 | 41 mm | 61 mm | 54 mm | 68 mm |
| BI4E1N042 | 42 mm | 64 mm | 54 mm | 68 mm |
| BI4E1N043 | 43 mm | 66 mm | 54 mm | 68 mm |
| BI4E1N044 | 44 mm | 66 mm | 54 mm | 68 mm |
| BI4E1N045 | 45 mm | 67 mm | 54 mm | 68 mm |
| BI4E1N046 | 46 mm | 68 mm | 54 mm | 72 mm |
| BI4E1N047 | 47 mm | 69 mm | 54 mm | 72 mm |
| BI4E1N048 | 48 mm | 70 mm | 54 mm | 72 mm |
| BI4E1N050 | 50 mm | 74 mm | 54 mm | 75 mm |
| BI4E1N052 | 52 mm | 75 mm | 54 mm | 75 mm |
| BI4E1N054 | 54 mm | 78 mm | 54 mm | 80 mm |
| BI4E1N055 | 55 mm | 80 mm | 54 mm | 83 mm |
| BI4E1N056 | 56 mm | 81 mm | 54 mm | 83 mm |
| BI4E1N060 | 60 mm | 86 mm | 54 mm | 87 mm |
| BI4E1N065 | 65 mm | 92 mm | 54 mm | 90 mm |
| BI4E1N070 | 70 mm | 97 mm | 54 mm | 93 mm |
| BI4E1N075 | 75 mm | 104 mm | 86 mm | 95 mm |
| BI4E1N080 | 80 mm | 112 mm | 86 mm | 95 mm |
| BI4E1N085 | 85 mm | 115 mm | 86 mm | 100 mm |
| BI4E1N090 | 90 mm | 124 mm | 86 mm | 105 mm |
| BI4E1N095 | 95 mm | 130 mm | 86 mm | 105 mm |
| BI4E1N100 | 100 mm | 135 mm | 86 mm | 105 mm |

BI4E1LX

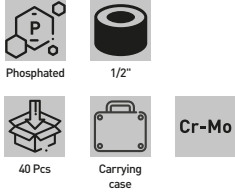
DEEP IMPACT SOCKET



| Art. | Size | D1 | D2 | Length |
|-----------|-------|--------|-------|--------|
| BI4E1L021 | 21 mm | 38 mm | 54 mm | 90 mm |
| BI4E1L022 | 22 mm | 39 mm | 54 mm | 90 mm |
| BI4E1L023 | 23 mm | 41 mm | 54 mm | 90 mm |
| BI4E1L024 | 24 mm | 42 mm | 54 mm | 90 mm |
| BI4E1L027 | 27 mm | 46 mm | 54 mm | 90 mm |
| BI4E1L028 | 28 mm | 47 mm | 54 mm | 90 mm |
| BI4E1L030 | 30 mm | 49 mm | 54 mm | 90 mm |
| BI4E1L032 | 32 mm | 52 mm | 54 mm | 90 mm |
| BI4E1L033 | 33 mm | 54 mm | 54 mm | 90 mm |
| BI4E1L034 | 34 mm | 54 mm | 54 mm | 90 mm |
| BI4E1L035 | 35 mm | 54 mm | 54 mm | 90 mm |
| BI4E1L036 | 36 mm | 56 mm | 54 mm | 90 mm |
| BI4E1L038 | 38 mm | 58 mm | 54 mm | 95 mm |
| BI4E1L039 | 39 mm | 59 mm | 54 mm | 95 mm |
| BI4E1L040 | 40 mm | 60 mm | 54 mm | 95 mm |
| BI4E1L041 | 41 mm | 61 mm | 54 mm | 95 mm |
| BI4E1L042 | 42 mm | 64 mm | 54 mm | 95 mm |
| BI4E1L043 | 43 mm | 66 mm | 54 mm | 95 mm |
| BI4E1L044 | 44 mm | 66 mm | 54 mm | 95 mm |
| BI4E1L045 | 45 mm | 67 mm | 54 mm | 95 mm |
| BI4E1L046 | 46 mm | 68 mm | 54 mm | 95 mm |
| BI4E1L048 | 48 mm | 70 mm | 54 mm | 100 mm |
| BI4E1L049 | 49 mm | 72 mm | 54 mm | 100 mm |
| BI4E1L050 | 50 mm | 74 mm | 54 mm | 100 mm |
| BI4E1L051 | 51 mm | 74 mm | 54 mm | 100 mm |
| BI4E1L052 | 52 mm | 74 mm | 54 mm | 100 mm |
| BI4E1L054 | 54 mm | 78 mm | 54 mm | 100 mm |
| BI4E1L055 | 55 mm | 80 mm | 54 mm | 105 mm |
| BI4E1L057 | 57 mm | 82 mm | 54 mm | 105 mm |
| BI4E1L060 | 60 mm | 86 mm | 54 mm | 110 mm |
| BI4E1L065 | 65 mm | 92 mm | 54 mm | 115 mm |
| BI4E1L070 | 70 mm | 97 mm | 54 mm | 120 mm |
| BI4E1L075 | 75 mm | 104 mm | 86 mm | 135 mm |
| BI4E1L080 | 80 mm | 112 mm | 86 mm | 135 mm |
| BI4E1L085 | 85 mm | 115 mm | 86 mm | 140 mm |
| BI4E1L090 | 90 mm | 124 mm | 86 mm | 140 mm |
| BI4E1L095 | 95 mm | 130 mm | 86 mm | 140 mm |

I340

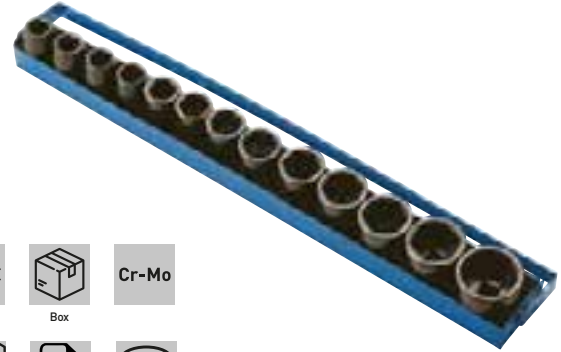
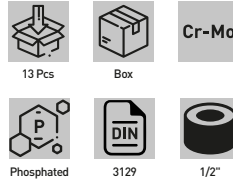
STANDARD & DEEP IMPACT SOCKET SET



| | |
|-----------------------|--|
| 1/2" Dr. sockets | 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 - 21 - 22 - 23 - 24 - 26 - 27 - 30 mm |
| 1/2" Dr. deep sockets | 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 - 21 - 22 - 23 - 24 - 26 - 27 - 30 mm |
| Universal joint | 1/2" |
| 1/2" Dr. socket-bars | 125 mm |

SI4E3N013

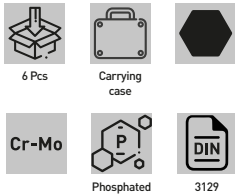
STANDARD IMPACT SOCKET SET



| | |
|--------|---|
| Socket | 10, 11, 12, 13, 14, 16, 17, 19, 21, 22, 24, 27, 30 mm |
|--------|---|

SI413M006

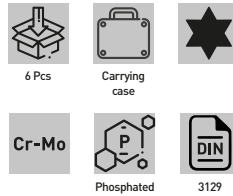
IMPACT HEX BIT SOCKET SET



| | |
|--------|--------------------------|
| Socket | 8, 10, 12, 14, 17, 19 mm |
| Length | 60 mm |

SI423M006

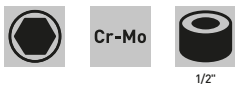
IMPACT TORX BIT SOCKET SET



| | |
|--------|------------------------------|
| Length | 60 mm |
| Socket | T40, T45, T50, T55, T60, T70 |

0341-X

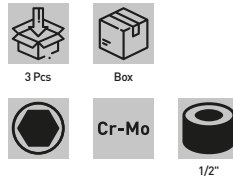
IMPACT HEX SOCKET WITH PLASTIC SLEEVE



| Art. | Size | Length |
|---------|-------|--------|
| 0341/17 | 17 mm | 87 mm |
| 0341/19 | 19 mm | 87 mm |
| 0341/21 | 21 mm | 87 mm |
| 0341/22 | 22 mm | 87 mm |
| 0341/24 | 24 mm | 87 mm |

0341

DEEP IMPACT HEX SOCKET SET WITH PLASTIC SLEEVE

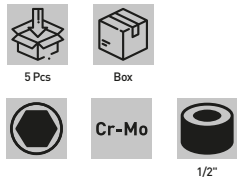
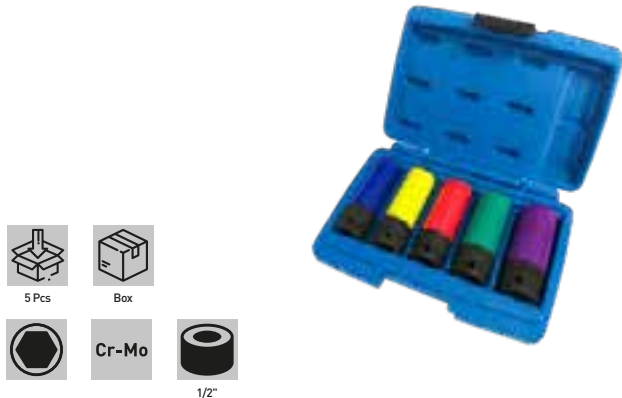


| | |
|--------|-----------------|
| Sizes | 17 - 19 - 21 mm |
| Length | 87 mm |



0341/5S

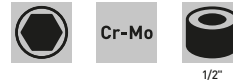
IMPACT HEX SOCKET SET WITH PLASTIC SLEEVE



| | |
|--------|---------------------------|
| Sizes | 17 - 19 - 21 - 22 - 24 mm |
| Length | 87 mm |

0341-XL

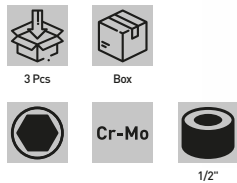
LONG IMPACT HEX SOCKET WITH PLASTIC SLEEVE



| Art. | Size | Length |
|----------|-------|--------|
| 0341/17L | 17 mm | 150 mm |
| 0341/19L | 19 mm | 150 mm |
| 0341/21L | 21 mm | 150 mm |

0341/3LS

IMPACT HEX SOCKET SET WITH PLASTIC SLEEVE



| | |
|--------|-----------------|
| Sizes | 17 - 19 - 21 mm |
| Length | 150 mm |

0341-SX

PLASTIC SLEEVE FOR HEX IMPACT SOCKETS

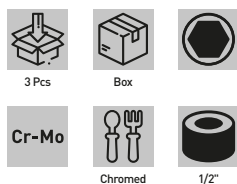


Plastic

| Art. | Size |
|----------|-------|
| 0341/S19 | 19 mm |
| 0341/S21 | 21 mm |
| 0341/S22 | 22 mm |
| 0341/S24 | 24 mm |

I306

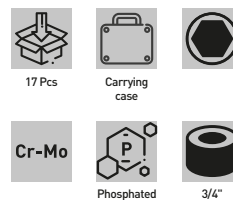
LONG IMPACT SOCKET SET



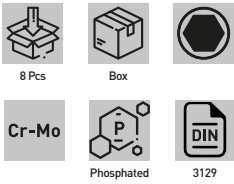
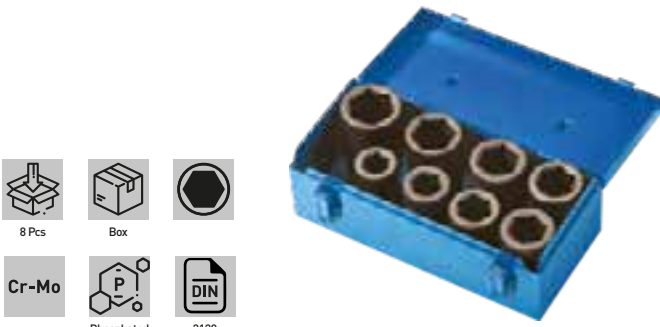
| | |
|--------|-----------------|
| Sizes | 17 - 19 - 21 mm |
| Length | 150 mm |

I217

METRIC STANDARD IMPACT SOCKET SET

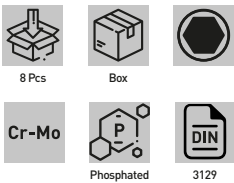
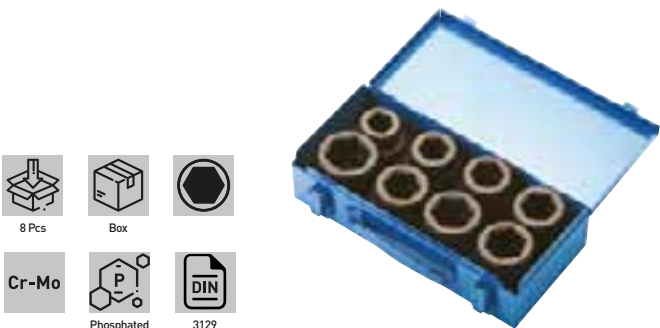


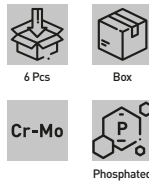
| | |
|-------|---|
| Sizes | 19 - 21 - 22 - 24 - 27 - 30 - 32 - 33 - 34 - 35 - 36 - 38 - 40 - 41 - 46 - 50 - 55 mm |
|-------|---|

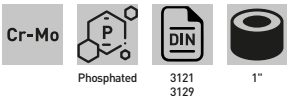
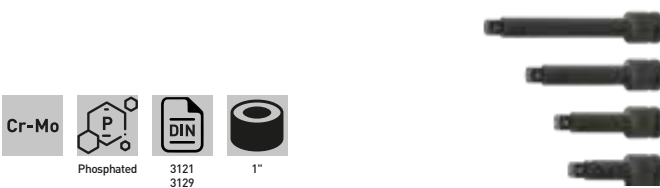
SI4E2N008
STANDARD IMPACT SOCKET SET

Socket 26, 27, 29, 30, 32, 35, 36, 38 mm

I109
IMPACT SOCKET SET

1" Dr. sockets 21 - 22 - 24 - 26 - 30 - 38 mm
1" Dr. deep sockets 27 - 28 - 32 mm

SI4E1N008
STANDARD IMPACT SOCKET SET

Socket 24, 27, 30, 32, 33, 36, 38, 41 mm

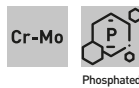
SI40N006
IMPACT ADAPTER SET

Sizes 1/4" int. - 3/8" ext.; 3/8" int. - 1/4" ext.; 3/8" int. - 1/2" ext.; 1/2" int. - 3/8" ext.; 1/2" int. - 3/4"
Blow mould case 126 x 100 x 52 mm

PI401X
IMPACT EXTENSION BAR


| Art. | D | Length |
|----------|-------|--------|
| PI401175 | 54 mm | 175 mm |
| PI401200 | 54 mm | 200 mm |
| PI401250 | 54 mm | 250 mm |
| PI401300 | 54 mm | 300 mm |
| PI401400 | 54 mm | 400 mm |

JI40XL
IMPACT UNIVERSAL JOINT

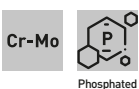
Heavy duty, 3/4" dr., made of 42CRMO2 alloy steel.



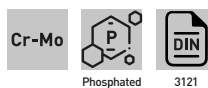
| Art. | Dr. | Length | D |
|--------|------|--------|-------|
| JI401L | 1" | 130 mm | 54 mm |
| JI402L | 3/4" | 105 mm | 44 mm |

JI40XN
IMPACT UNIVERSAL JOINT

1" dr., made of 42crmo2 alloy steel.



| Art. | Dr. | D | Length |
|--------|------|-------|--------|
| JI401N | 1" | 54 mm | 115 mm |
| JI402N | 3/4" | 44 mm | 90 mm |
| JI403N | 1/2" | 30 mm | 63 mm |

RI40X
IMPACT ADAPTER


| Art. | Female junction | Shank | D | Length |
|---------|-----------------|-------|-------|--------|
| RI4012N | 1" | 3/4" | 54 mm | 70 mm |
| RI4021N | 3/4" | 1" | 44 mm | 63 mm |
| RI4023N | 3/4" | 1/2" | 44 mm | 58 mm |
| RI4032N | 1/2" | 3/4" | 30 mm | 48 mm |



0088

MAGNETIC EXTRACTOR WITH LIGHT



Hangable

Alu

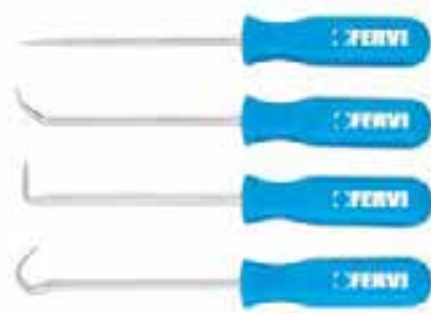
Aluminum

Sizes $\varnothing 9 / 17 \times 430$ mm
Not included batteries 2 x 1.5 VAA

0471

O-RING REMOVAL SET

Suitable for removing motor seals.



4 Pcs



Hangable



Steel



Chromed

Length 135 mm

0456

O RING HOOK SET

Equipped of hex handle with magnet.



4 Pcs



Hangable



Steel



Chromed

Handle dimensions 8 x 90 mm

E003

HSS SCREW EXTRACTOR SET



5 Pcs



Hangable

HSS



1/4"

| | |
|--------|----------|
| num. 0 | 2-3 mm |
| num. 1 | 4-5 mm |
| num. 2 | 6-8 mm |
| num. 3 | 8-10 mm |
| num. 4 | 10-12 mm |

E001

SCREW EXTRACTOR SET



5 Pcs



Box



Steel

| | |
|--------|-----------|
| num. 1 | M3 - M6 |
| num. 2 | M6 - M8 |
| num. 3 | M8 - M11 |
| num. 4 | M11 - M14 |
| num. 5 | M14 - M18 |

E005

BOLT REMOVER SET

External hex.



11 Pcs



Box

Cr-Mo 3/8"

Sizes 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 19 mm
Height 27 mm

E191-
3 JAW GEAR PULLER



| Art. | Dimensions |
|----------|-------------------------|
| E191/120 | Max Ø 120 mm - h 101 mm |
| E191/200 | Max Ø 200 mm - h 150 mm |

E190-
2 JAW GEAR PULLER



| Art. | Dimensions |
|----------|-------------------------|
| E190/080 | Max Ø 80 mm - h 100 mm |
| E190/130 | Max Ø 130 mm - h 100 mm |
| E190/160 | Max Ø 160 mm - h 150 mm |
| E190/200 | Max Ø 200 mm - h 150 mm |

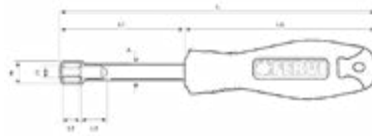
E190-BX
EXTENDED JAWS



| Art. | Length |
|---------|--------|
| E190/B2 | 300 mm |

**CB01-****NUT DRIVER WITH PLASTIC HANDLE**

Ansi.



Hangable



Cr-V

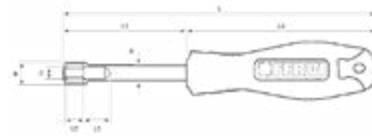


Chromed

| Art. | Size | L | L1 | L2 | L3 | L4 | A | B | C |
|----------|--------|--------|-------|----------------|---------|--------|----------|-----------|----------|
| CB01/04 | 4 mm | 185 mm | 75 mm | 4 ~ 5 mm | 20,5 mm | 110 mm | ø 5,9 mm | ø 7 mm | ø 3,3 mm |
| CB01/05 | 5 mm | 185 mm | 75 mm | 4,5 ~ 5,5 mm | 20 mm | 110 mm | ø 5,9 mm | ø 8,3 mm | ø 3,7 mm |
| CB01/055 | 5,5 mm | 185 mm | 75 mm | 5,5 ~ 6,5 mm | 19 mm | 110 mm | ø 5,9 mm | ø 9 mm | ø 3,7 mm |
| CB01/06 | 6 mm | 185 mm | 75 mm | 6,5 ~ 7,5 mm | 18 mm | 110 mm | ø 5,9 mm | ø 9,5 mm | ø 3,7 mm |
| CB01/07 | 7 mm | 185 mm | 75 mm | 7,5 ~ 8,5 mm | 17 mm | 110 mm | ø 5,9 mm | ø 10,5 mm | ø 3,7 mm |
| CB01/08 | 8 mm | 185 mm | 75 mm | 8,5 ~ 9,5 mm | 16 mm | 110 mm | ø 7,2 mm | ø 11,9 mm | ø 5 mm |
| CB01/09 | 9 mm | 185 mm | 75 mm | 8,5 ~ 9,5 mm | 16 mm | 110 mm | ø 7,2 mm | ø 12,8 mm | ø 5 mm |
| CB01/10 | 10 mm | 185 mm | 75 mm | 10,5 ~ 11,5 mm | 14 mm | 110 mm | ø 9,3 mm | ø 14,1 mm | ø 7 mm |
| CB01/11 | 11 mm | 185 mm | 75 mm | 10,5 ~ 11,5 mm | 14 mm | 110 mm | ø 9,3 mm | ø 15 mm | ø 7 mm |
| CB01/12 | 12 mm | 185 mm | 75 mm | 10,5 ~ 11,5 mm | 14 mm | 110 mm | ø 9,3 mm | ø 16 mm | ø 7 mm |
| CB01/13 | 13 mm | 185 mm | 75 mm | 11,5 ~ 12,5 mm | 14 mm | 110 mm | ø 11 mm | ø 17 mm | ø 8,5 mm |

CB02-**HOLLOW NUT DRIVER WITH PLASTIC HANDLE**

Ansi.



Hangable



Cr-V



Chromed

| Art. | Size | L | L1 | L2 | L3 | L4 | A | B | C |
|----------|--------|--------|-------|----------------|----------|--------|----------|-----------|----------|
| CB02/04 | 4 mm | 185 mm | 75 mm | 4 ~ 5 mm | 105,5 mm | 110 mm | ø 7,2 mm | ø 7 mm | ø 3,3 mm |
| CB02/05 | 5 mm | 185 mm | 75 mm | 4,5 ~ 5,5 mm | 105 mm | 110 mm | ø 7,2 mm | ø 8,3 mm | ø 3,7 mm |
| CB02/055 | 5,5 mm | 185 mm | 75 mm | 5,5 ~ 6,5 mm | 104 mm | 110 mm | ø 7,2 mm | ø 9 mm | ø 3,7 mm |
| CB02/06 | 6 mm | 185 mm | 75 mm | 6,5 ~ 7,5 mm | 103 mm | 110 mm | ø 7,2 mm | ø 9,5 mm | ø 3,7 mm |
| CB02/07 | 7 mm | 185 mm | 75 mm | 7,5 ~ 8,5 mm | 102 mm | 110 mm | ø 7,2 mm | ø 10,5 mm | ø 3,7 mm |
| CB02/08 | 8 mm | 185 mm | 75 mm | 8,5 ~ 9,5 mm | 101 mm | 110 mm | ø 9,3 mm | ø 11,9 mm | ø 5 mm |
| CB02/09 | 9 mm | 185 mm | 75 mm | 8,5 ~ 9,5 mm | 101 mm | 110 mm | ø 9,3 mm | ø 12,8 mm | ø 5 mm |
| CB02/10 | 10 mm | 185 mm | 75 mm | 10,5 ~ 11,5 mm | 100 mm | 110 mm | ø 9,3 mm | ø 14,1 mm | ø 7 mm |
| CB02/11 | 11 mm | 185 mm | 75 mm | 10,5 ~ 11,5 mm | 100 mm | 110 mm | ø 11 mm | ø 15 mm | ø 7 mm |
| CB02/12 | 12 mm | 185 mm | 75 mm | 10,5 ~ 11,5 mm | 100 mm | 110 mm | ø 11 mm | ø 16 mm | ø 7 mm |
| CB02/13 | 13 mm | 185 mm | 75 mm | 11,5 ~ 12,5 mm | 99 mm | 110 mm | ø 11 mm | ø 17 mm | ø 8,5 mm |

CBF1-**FLEXIBLE NUT DRIVER WITH PLASTIC HANDLE**

Ansi.



Hangable



Cr-V

| Art. | Size | L | L1 | L2 | L3 | A | B |
|----------|--------|--------|--------|--------|--------|---------|-----------|
| CBF1/05 | 5 mm | 265 mm | 150 mm | 9,5 mm | 115 mm | ø 11 mm | ø 11,8 mm |
| CBF1/055 | 5,5 mm | 265 mm | 150 mm | 9,5 mm | 115 mm | ø 11 mm | ø 11,8 mm |
| CBF1/06 | 6 mm | 265 mm | 150 mm | 9,5 mm | 115 mm | ø 11 mm | ø 11,8 mm |
| CBF1/07 | 7 mm | 265 mm | 150 mm | 9,5 mm | 115 mm | ø 11 mm | ø 11,8 mm |
| CBF1/08 | 8 mm | 265 mm | 150 mm | 9,5 mm | 115 mm | ø 11 mm | ø 11,8 mm |
| CBF1/09 | 9 mm | 265 mm | 150 mm | 9,5 mm | 115 mm | ø 11 mm | ø 13 mm |
| CBF1/10 | 10 mm | 265 mm | 150 mm | 10 mm | 115 mm | ø 11 mm | ø 14,5 mm |
| CBF1/11 | 11 mm | 265 mm | 150 mm | 9 mm | 115 mm | ø 11 mm | ø 15,9 mm |
| CBF1/12 | 12 mm | 265 mm | 150 mm | 9 mm | 115 mm | ø 11 mm | ø 17 mm |
| CBF1/13 | 13 mm | 265 mm | 150 mm | 8,5 mm | 115 mm | ø 11 mm | ø 17,8 mm |



CBF1/10P

FLEXIBLE NUT DRIVER SET WITH PLASTIC HANDLE

Ansi, bicomponent.



Sizes 5 - 5.5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 mm

CB01/04P

NUT DRIVER SET WITH PLASTIC HANDLE

Ansi, bicomponent.



Sizes 10 - 11 - 12 - 13 mm

CB01/07P

NUT DRIVER SET WITH PLASTIC HANDLE

Ansi, bicomponent.



Sizes 4 - 5 - 5.5 - 6 - 7 - 8 - 9 mm

CB01/11P

NUT DRIVER SET WITH PLASTIC HANDLE

Ansi, bicomponent.



Sizes 4 - 5 - 5.5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 mm

CB02/04P

HOLLOW NUT DRIVER SET WITH PLASTIC HANDLE

Ansi, bicomponent with deep hole.



Sizes 10 - 11 - 12 - 13 mm

CB02/07P

HOLLOW NUT DRIVER SET WITH PLASTIC HANDLE

Ansi, bicomponent with deep hole.



Sizes 4 - 5 - 5.5 - 6 - 7 - 8 - 9 - 10 mm

CB02/11P

HOLLOW NUT DRIVER SET WITH PLASTIC HANDLE

Ansi, bicomponent with deep hole.



Sizes 4 - 5 - 5.5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 mm

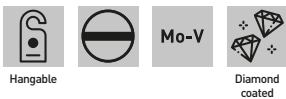


DIN 2380-1, with black blade and tricomponent handle made of highly elastic TPR resin and oil-resistant polypropylene material. The diamond tip allows a perfect grip, avoiding to ruin the head of the screw. This type of tip is also very effective with already ruined screws.



D883-

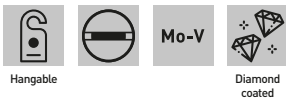
ELECTRICIAN FLAT SCREWDRIVER WITH DIAMOND TIP



| Art. | Size | Pole length | Total length |
|-----------|------|-------------|--------------|
| D883/3075 | 3 mm | 75 mm | 115 mm |
| D883/4100 | 4 mm | 100 mm | 145 mm |

D884/6038

FLAT SCREWDRIVER WITH DIAMOND TIP



| | |
|--------------|-------|
| Size | 6 mm |
| Pole length | 38 mm |
| Total length | 70 mm |

D882/2038

CROSS SCREWDRIVER PH WITH DIAMOND TIP



| | |
|--------------|-------|
| Size | PH 2 |
| Pole length | 38 mm |
| Total length | 70 mm |

D885/2038

CROSS SCREWDRIVER PZ WITH DIAMOND TIP



| | |
|--------------|-------|
| Size | PZ 2 |
| Pole length | 38 mm |
| Total length | 70 mm |

D884-

FLAT SCREWDRIVER WITH DIAMOND TIP



| Art. | Size | Pole length | Total length |
|-----------|------|-------------|--------------|
| D884/3075 | 3 mm | 75 mm | 115 mm |
| D884/4100 | 4 mm | 100 mm | 180 mm |
| D884/5125 | 5 mm | 125 mm | 230 mm |
| D884/6150 | 6 mm | 150 mm | 260 mm |
| D884/8150 | 8 mm | 150 mm | 210 mm |

D882-

CROSS SCREWDRIVER PH WITH DIAMOND TIP



| Art. | Size | Pole length | Total length |
|-----------|------|-------------|--------------|
| D882/1075 | PH 1 | 75 mm | 180 mm |
| D882/2100 | PH 2 | 100 mm | 210 mm |
| D882/3150 | PH 3 | 150 mm | 270 mm |

D885-

CROSS SCREWDRIVER PZ WITH DIAMOND TIP



| Art. | Size | Pole length | Total length |
|-----------|------|-------------|--------------|
| D885/1075 | PZ 1 | 75 mm | 120 mm |
| D885/2100 | PZ 2 | 100 mm | 150 mm |
| D885/3150 | PZ 3 | 150 mm | 210 mm |

D880/006

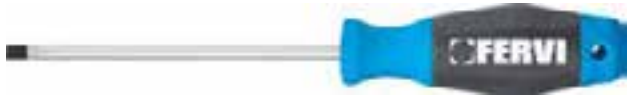
DIAMOND TIP SCREWDRIVER SET



| | |
|------------|--|
| Sizes Slot | (-) 4 x 100 mm, (-) 5 x 125 mm, (-) 6 x 150 mm |
| Cross | (+) PH 1 x 75 mm, (+) PH 2 x 100 mm, (+) PH 3 x 150 mm |


C883-
ELECTRICIAN SCREWDRIVER, HANGING PACKAGE

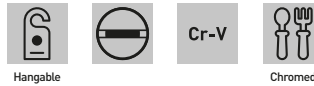
Slotted, with black phosphatized magnetic tip, handle made of high elastic resin TPR and polypropylene material oil resistant.



| Art. | Size | Pole length |
|-----------|------|-------------|
| C883/3075 | 3 mm | 75 mm |
| C883/4100 | 4 mm | 100 mm |

C884-
SLOTTED SCREWDRIVER, HANGING PACKAGE

Slotted, with black phosphatized magnetic tip, handle made of high elastic resin TPR and polypropylene material oil resistant.



| Art. | Size | Pole length |
|-----------|------|-------------|
| C884/3075 | 3 mm | 75 mm |
| C884/4100 | 4 mm | 100 mm |
| C884/5125 | 5 mm | 125 mm |
| C884/6150 | 6 mm | 150 mm |
| C884/8150 | 8 mm | 150 mm |

C884/6038
SLOTTED SCREWDRIVER, HANGING PACKAGE

With black phosphatized magnetic tip, handle made of high elastic resin TPR and polypropylene material oil resistant.



| | |
|-------------|-------|
| Size | 6 mm |
| Pole length | 38 mm |

C882-
CROSS SCREWDRIVER PH, HANGING PACKAGE

With black phosphatized magnetic tip, handle made of high elastic resin TPR and polypropylene material oil resistant.



| Art. | Size | Pole length |
|-----------|------|-------------|
| C882/1075 | PH 1 | 75 mm |
| C882/2100 | PH 2 | 100 mm |
| C882/3150 | PH 3 | 150 mm |

C882/2038
CROSS SCREWDRIVER PH, HANGING PACKAGE

With black phosphatized magnetic tip, handle made of high elastic resin TPR and polypropylene material oil resistant.



| | |
|-------------|-------|
| Size | PH 2 |
| Pole length | 38 mm |

C885-
CROSS SCREWDRIVER PZ, HANGING PACKAGE

With black phosphatized magnetic tip, handle made of high elastic resin TPR and polypropylene material oil resistant.



| Art. | Size | Pole length |
|-----------|------|-------------|
| C885/1075 | PZ 1 | 75 mm |
| C885/2100 | PZ 2 | 100 mm |
| C885/3150 | PZ 3 | 150 mm |



C885/2038

CROSS SCREWDRIVER PZ, HANGING PACKAGE

With black phosphatized magnetic tip, handle made of high elastic resin TPR and polypropylene material oil resistant.



| | |
|-------------|-------|
| Size | PZ 2 |
| Pole length | 38 mm |

C880/006

SCREWDRIVER SET

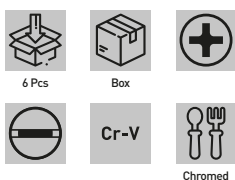
With black phosphatized magnetic tip, handle made of high elastic resin TPR and polypropylene material oil resistant.



| | |
|------------|--|
| Sizes Slot | (-) 4 x 100 mm, (-) 5 x 125 mm, (-) 6 x 150 mm |
| Cross | (+) PH 1 x 75 mm, (+) PH 2 x 100 mm, (+) PH 3 x 150 mm |

0633

SCREWDRIVER SET



| | |
|------------|---|
| Sizes Slot | (-) 5,0x1,0x75 mm, (-) 6,0x1,2x100 mm, (-) 6,0x1,2x125 mm, (-) 8,0x1,2x150 mm |
| Cross | (+) PH 1x5x75 mm, (+) PH 2x6x100 mm |

C881-

TORX SCREWDRIVER, HANGING PACKAGE

With black phosphatized magnetic tip, handle made of high elastic resin TPR and polypropylene material oil resistant.

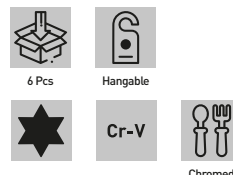


| Art. | Sizes | Pole length | Total length |
|------------|-------|-------------|--------------|
| C881/07075 | T7 | 75 mm | 160 mm |
| C881/08075 | T8 | 75 mm | 160 mm |
| C881/10075 | T10 | 75 mm | 160 mm |
| C881/15100 | T15 | 100 mm | 200 mm |
| C881/20100 | T20 | 100 mm | 200 mm |
| C881/25125 | T25 | 125 mm | 225 mm |
| C881/27125 | T27 | 125 mm | 225 mm |
| C881/30150 | T30 | 150 mm | 260 mm |
| C881/35150 | T35 | 150 mm | 260 mm |
| C881/40150 | T40 | 150 mm | 260 mm |

C881/006

TORX SCREWDRIVER SET

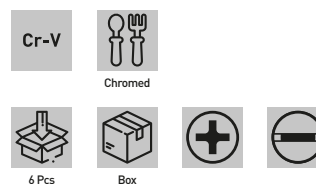
With black phosphatized magnetic tip, handle made of high elastic resin TPR and polypropylene material oil resistant.



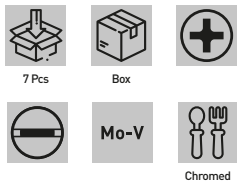
| | |
|-----------|---|
| Torx size | T10x75 mm, T15x100 mm, T20x100 mm, T25x125 mm, T27x125 mm, T30x150 mm |
|-----------|---|

0634

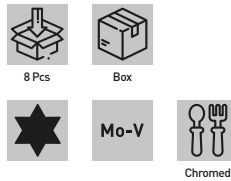
SCREWDRIVER SET WITH STEEL HEAD



| | |
|------------|---|
| Sizes Slot | (-) 4x0,8x75 mm, (-) 5,5x1,0x100 mm, (-) 6,5x1,2x150 mm |
| Cross | (+) PH 0x3x75 mm, (+) PH 1x5x100 mm, (+) PH 2x6x125 mm |


0880/307
SCREWDRIVER SET


Slotted (-) 3,0x0,5x75 mm, (-) 4,0x0,8x100 mm, (-) 5,5x1,0x125 mm, (-) 6,5x1,2x150 mm, (-) 8,0x1,2x150 mm
Cross (+) PH 1x80 mm, (+) PH 2x100 mm

0881/008
SCREWDRIVER TORX SET


Tee star T 7x60 - T 8x60 - T 9x60 - T 10x80 - T 15x80 - T 20x100 - T 25x100 - T 30x115 mm

C182-
INSULATED CROSS SCREWDRIVER

1000V IEC 60900, with black phosphatized magnetic tip and polypropylene material oil resistant bi-color handle.



| Art. | Size | Pole length | Total length |
|-----------|--------------|-------------|--------------|
| C182/0060 | PH0 x 3 mm | 60 mm | 160 mm |
| C182/1080 | PH1 x 4.5 mm | 80 mm | 185 mm |
| C182/2100 | PH2 x 6 mm | 100 mm | 210 mm |
| C182/3150 | PH3 x 8 mm | 150 mm | 265 mm |

C183-
INSULATED SLOT SCREWDRIVER

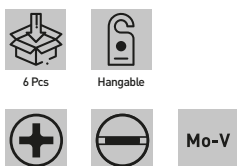
1000V IEC 60900, with black phosphatized magnetic tip and polypropylene material oil resistant bi-color handle.



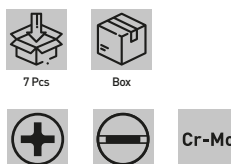
| Art. | Size | Pole length | Total length |
|------------|--------------|-------------|--------------|
| C183/25075 | 0.4 x 2.5 mm | 75 mm | 175 mm |
| C183/30100 | 0.6 x 3 mm | 100 mm | 200 mm |
| C183/40100 | 0.8 x 4 mm | 100 mm | 200 mm |
| C183/55125 | 1 x 5.5 mm | 125 mm | 230 mm |
| C183/65150 | 1.2 x 6.5 mm | 150 mm | 260 mm |
| C183/80175 | 1.6 x 8 mm | 175 mm | 290 mm |

C180/006
INSULATED SCREWDRIVER SET

1000V IEC 60900, with black phosphatized magnetic tip and polypropylene material oil resistant bi-color handle.



Sizes Slot (-) 0,6 x 3 x 100 mm, (-) 0,8 x 4 x 100 mm, (-) 1 x 5,5 x 125 mm
Cross (+) PH 0 x 3 x 60 mm, (+) PH 1 x 4,5 x 80 mm, (+) PH 2 x 6 x 100 mm

0355
ELECTRICIAN'S SCREWDRIVER


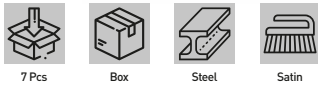
Sizes Slot (-) 0,4x2,5x85 mm, (-) 0,8x4,0x100 mm, (-) 1,0x5,5x125 mm, (-) 1,2x6,5x150 mm
Cross (+) PH 0x75 mm, (+) PH 1x100 mm, (+) PH 2x100 mm



0083

IMPACT DRIVER

Supplied in plastic box.

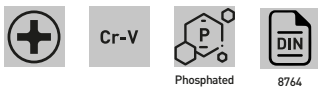


| | |
|------------|-------------|
| Dimensions | 165 x 42 mm |
| Bits | 6 |
| Shank | 5/16" |

P882-

PH PRECISION SCREWDRIVER

With burnished magnetic tip, handle in two-component material with free end part to rotate for a perfect grip.

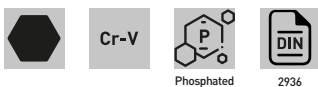


| Art. | Size | Pole length | Total length |
|-----------|-------|-------------|--------------|
| P882/0150 | PH 1 | 50 mm | 140 mm |
| P882/1050 | PH 0 | 50 mm | 140 mm |
| P882/2050 | PH 00 | 50 mm | 140 mm |

P886-

HEXAGONAL PRECISION SCREWDRIVER

With burnished magnetic tip, handle in two-component material with free end part to rotate for a perfect grip.

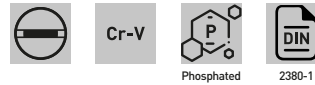


| Art. | Size | Pole length | Total length |
|-----------|--------|-------------|--------------|
| P886/1350 | 1,3 mm | 50 mm | 140 mm |
| P886/1550 | 1,5 mm | 50 mm | 140 mm |
| P886/2050 | 2,0 mm | 50 mm | 140 mm |
| P886/2550 | 2,5 mm | 50 mm | 140 mm |
| P886/3050 | 3,0 mm | 50 mm | 140 mm |

P883-

SLOT PRECISION SCREWDRIVER

With burnished magnetic tip, handle in two-component material with free end part to rotate for a perfect grip.

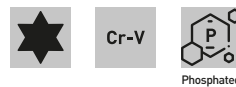


| Art. | Size | Pole length | Total length |
|-----------|--------|-------------|--------------|
| P883/1250 | 1,2 mm | 50 mm | 140 mm |
| P883/1650 | 1,6 mm | 50 mm | 140 mm |
| P883/1850 | 1,8 mm | 50 mm | 140 mm |
| P883/2050 | 2,0 mm | 50 mm | 140 mm |
| P883/2450 | 2,4 mm | 50 mm | 140 mm |
| P883/3050 | 3,0 mm | 50 mm | 140 mm |
| P883/3550 | 3,5 mm | 50 mm | 140 mm |
| P883/4050 | 4,0 mm | 50 mm | 140 mm |

P881-

TORX PRECISION SCREWDRIVER

With burnished magnetic tip, handle in two-component material with free end part to rotate for a perfect grip.



| Art. | Size | Pole length | Total length |
|-----------|------|-------------|--------------|
| P881/0550 | T5 | 50 mm | 140 mm |
| P881/0650 | T6 | 50 mm | 140 mm |
| P881/0750 | T7 | 50 mm | 140 mm |
| P881/0850 | T8 | 50 mm | 140 mm |
| P881/0950 | T9 | 50 mm | 140 mm |
| P881/1050 | T10 | 50 mm | 140 mm |
| P881/1550 | T15 | 50 mm | 140 mm |



P880/06S

PRECISION SCREWDRIVER SERIES

With burnished magnetic tip, handle in bicomponent material with free end part to rotate for a perfect grip.



Slotted 1.2 x 50 mm, 2.0 x 50 mm, 3.0 x 50 mm
Cross PH 00 x 50 mm, PH 0 x 50 mm, PH 1 x 50 mm

P881/06S

TORX PRECISION SCREWDRIVER SERIES

With burnished magnetic tip, handle in bicomponent material with free end part to rotate for a perfect grip.



Tee star T5 x 50 mm, T6 x 50 mm, T7 x 50 mm, T8 x 50 mm, T9 x 50 mm, T10

0207

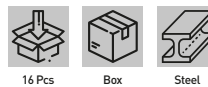
DOUBLE HEAD SCREWDRIVER BIT SET



Blade length 110 mm
Handle length 170 mm

0829

PRECISION SCREWDRIVER AND SPANNER SET



0082

PRECISION SCREWDRIVER SET



Slot 4 Pcs 1,4x20 mm - 2x23 mm - 2,4x24 mm - 3x27 mm
Cross 2 Pcs 2 Pcs PH 1x30 mm - PH 0x25 mm

0466/DM

SCREWDRIVERS MAGNETIZER/DEMAGNETIZER

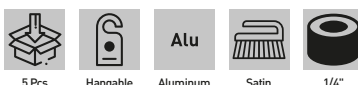
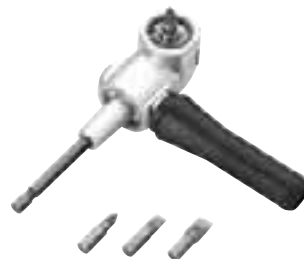


Dimensions 52 x 50 x 28.5 mm

0888

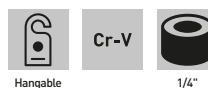
L-SHAPED DRIVER

Bits inside the handle.



PIF1

FLEXIBLE BIT DRIVER



| | | | |
|----|--------|----|---------|
| L | 265 mm | L3 | 115 mm |
| L1 | 150 mm | A | 10 mm |
| L2 | 9,5 mm | B | 11,8 mm |



0562

SHANK MAGNETIC HANDLE

Tricomponent handle made of highly elastic TPR resin and oil-resistant polypropylene material



Cr-V

Hangable



Chromed

1/4"

Length 200 mm

0304

1/4 SHANK MAGNETIC HANDLE



Hangable



Chromed

1/4"

0406

QUICK CHANGE 6 POINT BIT HOLDER



Cr-V

Expositor



Chromed

1/4"

Length 60 mm

0089

BIT SET



Hangable

| | |
|-----------|----------|
| Phillips | 1 - 2 |
| Pozi-driv | 1 - 2 |
| Slotted | 4 - 6 mm |

0562N

SHANK MAGNETIC HANDLE

Tricomponent handle made of highly elastic TPR resin and oil-resistant polypropylene material



Cr-V

Hangable



Chromed

1/4"

Length 110 mm

0548

STUBBY RATCHET SCREWDRIVER

With one bit, to use for tight and loose in reduced space.



Hangable

Cr-V

Satin

72 teeth

1/4"

Dimensions ø 29 x 60 mm

0407

BIT HOLDER

Straight and 90°, easy to use in small spaces.



8 Pcs

Hangable

| | |
|-----------|--------------|
| Length | 105 mm |
| Phillips | 1 - 2 |
| Pozi-driv | 1 - 2 |
| Slotted | 2 - 3 - 4 mm |




0358
SCREWDRIVER BIT AND SOCKET SET

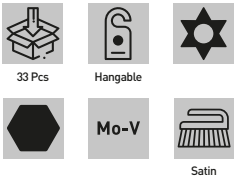

| Bits | |
|------------------------------------|--|
| Phillips | 0 - 1 - 2 (x5 Pcs/Pcs) - 3 |
| Pozi-driv | 0 - 1 - 2 (x5 Pcs/Pcs) - 3 |
| Slotted | 3 - 4 - 4,5 - 5 - 5,5 - 6 - 6,5 - 7 - 8 mm |
| Spanner | 4 - 6 - 8 - 10 |
| Tee star | 8 - 10 - 15 - 20 - 25 - 27 - 30 - 40 - 45 |
| Triplay | 1 - 2 - 3 - 4 |
| Tamper proof tee star | 8 - 10 - 15 - 20 - 25 - 27 - 30 - 35 - 40 |
| Tee cross | 6 - 8 - 10 |
| Metric hex | 1,5 - 2 - 2,5 - 3 - 4 - 5 - 5,5 - 6 - 8 mm |
| Square | 0 - 1 - 2 - 3 |
| Inch hex | 1/16 - 5/64 - 3/32 - 7/64 - 1/8 - 9/64 - 5/32 - 3/16 - 7/32 - |
| Spline | M5 - M6 - M8 |
| Hex tamper proof | 2 - 2,5 - 3 - 4 - 5 - 6 - 5/64 - 3/32 - 7/64 - 1/8 - 9/64 - 5/32 |
| Clutch | 1 - 2 - 3 |
| Male adapter 1/4" Dr. and 1/4" hex | 25 mm |



| | |
|------------------------------------|--|
| Male adapter 1/4" Dr. and 1/4" hex | 50 mm |
| "Y" adapter | 1 Pcs |
| Bit holder | 1 Pcs |
| Magnetic bit holder | 60 mm |
| Bit Holder | 1 Pcs |
| Nut bit driver | 4 - 5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 5/32 - 3/13 - 7/32 - |

0626L
LONG BIT SET

With magnetic holder.



| Length | | 50 mm | |
|-----------------------|---|-------|--|
| Bits | | | |
| Tamper proof tee star | T7 - T8 - T10 - T15 - T20 - T25 - T30 - T35 - T40 | | |
| Hex tamper proof | 6 - 5 - 4 - 3 - 2,5 - 2 mm | | |
| Hex tamper proof | 5/32 - 9/64 - 1/8 - 7/64 - 3/32 - 5/64 | | |
| Spanner | 4 - 6 - 8 - 10 | | |
| Tee cross | 6 - 8 - 10 | | |
| Tri-wing | 1 - 2 - 3 - 4 | | |

0626
BIT SET

With magnetic holder.



| Bits | | T7 - T8 - T10 - T15 - T20 - T25 - T30 - T35 - T40 | |
|-----------|--|---|--|
| Hexagonal | | | |
| Metric | 6 - 5 - 4 - 3 - 2,5 - 2 mm | | |
| Inch | 5/32 - 9/64 - 1/8 - 7/64 - 3/32 - 5/64 | | |
| Spanner | 4 - 6 - 8 - 10 | | |
| Tee cross | 6 - 8 - 10 | | |
| Tri-wing | 1 - 2 - 3 - 4 | | |

PI063
MULTIFUNCTION REPAIR TOOL KIT

62 pieces kit with magnetic revolving handle for precision repair of your tools, including smartphones, watches and appliances. The magnetic tray and the click-clack function allow to keep the bits organized without losing them.



| | |
|---------------------|---|
| Magnetic bit holder | 1 |
| Phillips | PH00000 - PH0000 - PH000 - PH00 - PH0 - PH1 - PH2 |
| Slotted | 1.0 - 1.3 - 1.5 - 2.0 - 2.5 - 3.0 - 4.0 |
| Hexagonal | 0.7 - 0.9 - 1.3 - 1.5 - 2.0 - 2.5 - 3.0 - 3.5 - 4.0 |
| Pozi-driv | PZ000 - PZ00 - PZ0 - PZ1 |
| Square | 0 - 1 - 2 |
| "Y" adapter | Y0.6 - Y1.5 - Y2.3 - Y3.0 |
| Pentagram | 0.8 - 1.2 - 1.5 - 2.0 |
| Triangle | 2.0 - 2.3 - 3.0 |
| U Type | U2.3 - U2.6 |
| G | G3.8 - G4.5 |
| M | M2.5 - M3.0 - M4.0 |
| MID | |
| ICS | |





0732

HEX BIT SET

Composed of 30 bit, 1 bit adapter and 1 bit holder.

NEW



| | |
|-----------------------|---|
| Socket | 25 mm |
| Magnetic bit holder | 1 |
| Slotted | 3 - 4 - 5,5 - 7 mm |
| Hexagonal | 3 - 4 - 5 - 6 |
| Phillips | PH1 - PH2 - PH3 - PH4 |
| Pozi-driv | PZ1 - PZ2 - PZ3 - PZ4 |
| Tee star | T10 - T15 - T20 - T25 - T30 - T35 - T40 |
| Tamper proof tee star | T10 - T15 - T20 - T25 - T30 - T35 - T40 |

0403

HEX BIT AND SOCKET SET

Composed of 6 sockets, 1 socket adapter and 1 ratchet screwdriver bit holder



| | |
|---------------------|---------------------------|
| Ratchet bit handle | 1 |
| Magnetic bit holder | 1 |
| Socket | 25 mm |
| Socket | 5 - 6 - 7 - 8 - 9 - 10 mm |
| Slotted | 3 - 4 - 5 - 6 - 7 mm |
| Phillips | 0 - 1 - 2 - 3 |
| Pozi-driv | 0 - 1 - 2 - 3 |
| Square bits | S0 - S1 - S2 - S3 |

0404

HEX BIT AND SOCKET SET

With nichel coated bits made of S2 steel, sockets made of CR-V steel and quick change bit holder.

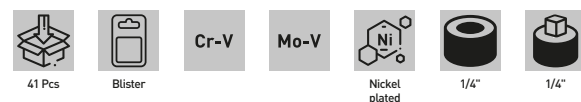


| | |
|-------------------------|-------------------------------------|
| Socket | 25 mm |
| Magnetic bit holder | 1 |
| Socket holder extension | 1 |
| Socket | 5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 mm |
| Slotted | 3 - 4 - 5 - 5,5 - 6 - 7 mm |
| Phillips | 0 - 1 - 2 - 3 |
| Pozi-driv | 0 - 1 - 2 - 3 |
| Square bits | S0 - S1 - S2 - S3 |
| Tee star | T10 - T15 - T20 - T25 - T30 - T40 |

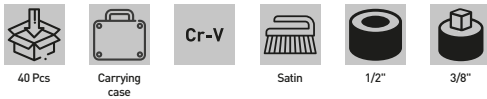
0402

HEX BIT SET

Made of s2 steel and nichel coated, composed of 40 bits and 1 72t ratchet handle.



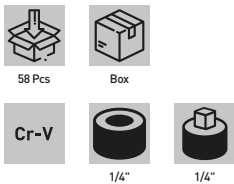
| | |
|-------------|---|
| Shank | 1/4" |
| Slotted | 3 - 4 - 5 - 5,5 - 6 - 7 mm |
| Phillips | 2 x 0 - 2 x 1 - 2 x 2 - 2 x 3 |
| Pozi-driv | 2 x 0 - 2 x 1 - 2 x 2 - 2 x 3 |
| Square bits | S0 - S1 - S2 - S3 |
| Tee star | T10 - T15 - T20 - T25 - T27 - T30 - T40 |
| Hexagonal | 2 - 2,5 - 3 - 4 - 5 - 5,5 - 6 mm |


0104
SOCKET SET


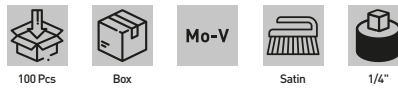
| | |
|---------------------------------------|-------|
| 1 Socket bit 1/2" | 10 mm |
| 1 Socket bit 3/8" | 10 mm |
| 7 Hex bits 4-5-6-7-8-10-12 mm | 30 mm |
| 7 Hex bits 4-5-6-7-8-10-12 mm | 75 mm |
| 5 Bits "XZN" 5-6-8-10-12 mm | 30 mm |
| 5 Bits "XZN" 5-6-8-10-12 mm | 75 mm |
| Bits TORX T20-T25-T30-T40-T45-T50-T55 | 30 mm |
| Bits TORX T20-T25-T30-T40-T45-T50-T55 | 75 mm |

0277
HEX BIT AND SOCKET SET

With bit holder and ratchet handle.



| | |
|---------------------|----------------------------------|
| Bits | 25 mm |
| Phillips (25 mm) | 1 - 2 - 3 |
| Pozi-driv | 1 - 2 - 3 |
| Slotted | 3,5 - 4,5 - 5,5 - 6,5 mm |
| Spanner | 4 - 6 - 8 |
| Tee star | 10 - 15 - 20 - 25 - 27 - 30 - 40 |
| Tri-wing | 1 - 2 - 3 - 4 |
| Tee cross | 6 - 8 - 10 |
| Hexagonal | 2 - 3 - 4 - 5 - 6 - 8 mm |
| Square | 1 - 2 - 3 |
| Spline | 5 - 6 - 8 |
| Clutch | 1 - 2 - 3 |
| Hex. sockets | 5 - 6 - 7 - 8 - 10 mm |
| Hex. sockets | 3/16 - 1/4 - 9/32 - 5/16 - 3/8 |
| Socket | 1/4" |
| "Y" adapter | 1 |
| Socket | 1 |
| Magnetic bit holder | 1 |
| Bit Holder | 1 |
| Ratchet handle | 1/4" |

0640
BIT SET


| | |
|-----------------------|---|
| Bits | |
| Phillips | 0 - 1 - 2 (x5 Pcs/Pcs) - 3 |
| Pozi-driv | 0 - 1 - 2 (x5 Pcs/Pcs) - 3 |
| Slotted | 3 - 4 - 4,5 - 5 - 5,5 - 6 - 6,5 - 7 - 8 mm |
| Spanner | 4 - 6 - 8 - 10 |
| Tee star | 8 - 10 - 15 - 20 - 25 - 27 - 30 - 40 - 45 |
| Tripley | 1 - 2 - 3 - 4 |
| Tamper proof tee star | 8 - 10 - 15 - 20 - 25 - 27 - 30 - 35 - 40 |
| Tee cross | 6 - 8 - 10 |
| Metric hex | 1,5 - 2 - 2,5 - 3 - 4 - 5 - 5,5 - 6 - 8 mm |
| Square | 0 - 1 - 2 - 3 |
| Inch hex | 1/16 - 5/64 - 3/32 - 7/64 - 1/8 - 9/64 - 5/32 - 3/16 - 7/32 - 1/4 |
| Spline | M5 - M6 - M8 |
| Hex tamper proof | 2 - 2,5 - 3 - 4 - 5 - 6 - 5/64 - 3/32 - 7/64 - 1/8 - 9/64 - 5/32 |
| Clutch | 1 - 2 - 3 |



**IS25-ESX****HEXAGONAL BITS**

Mo-V



3126



1/4"



| Art. | Size | Length | Pack |
|-----------|--------|--------|------|
| IS25/ES2 | 2 mm | 25 mm | 10 |
| IS25/ES25 | 2.5 mm | 25 mm | 10 |
| IS25/ES3 | 3 mm | 25 mm | 10 |
| IS25/ES4 | 4 mm | 25 mm | 10 |
| IS25/ES5 | 5 mm | 25 mm | 10 |
| IS25/ES6 | 6 mm | 25 mm | 10 |
| IS25/ES8 | 8 mm | 25 mm | 10 |
| IS25/ES10 | 10 mm | 25 mm | 10 |

IS25-PHXAS**CROSS BITS PH ANTI SLIP**

Mo-V



3126



1/4"



| Art. | Size | Length | Pack |
|------------|------|--------|------|
| IS25/PH1AS | PH 1 | 25 mm | 10 |
| IS25/PH2AS | PH 2 | 25 mm | 10 |
| IS25/PH3AS | PH 3 | 25 mm | 10 |

IS25-PZXAS**CROSS BITS PZ ANTI SLIP**

Mo-V



3126



1/4"



| Art. | Size | Length | Pack |
|------------|------|--------|------|
| IS25/PZ1AS | PZ 1 | 25 mm | 10 |
| IS25/PZ2AS | PZ 2 | 25 mm | 10 |
| IS25/PZ3AS | PZ 3 | 25 mm | 10 |

IS25-TXX**TORX BITS**

Mo-V



3126



1/4"



| Art. | Size | Length | Pack |
|-----------|------|--------|------|
| IS25/TX10 | T10 | 25 mm | 10 |
| IS25/TX15 | T15 | 25 mm | 10 |
| IS25/TX20 | T20 | 25 mm | 10 |
| IS25/TX25 | T25 | 25 mm | 10 |
| IS25/TX30 | T30 | 25 mm | 10 |
| IS25/TX35 | T35 | 25 mm | 10 |
| IS25/TX40 | T40 | 25 mm | 10 |
| IS25/TX45 | T45 | 25 mm | 10 |
| IS25/TX50 | T50 | 25 mm | 10 |
| IS25/TX55 | T55 | 25 mm | 10 |

IS25-PHX**CROSS BITS PH**

Mo-V



3126



1/4"



| Art. | Size | Length | Pack |
|----------|------|--------|------|
| IS25/PH0 | PH 0 | 25 mm | 20 |
| IS25/PH1 | PH 1 | 25 mm | 20 |
| IS25/PH2 | PH 2 | 25 mm | 20 |
| IS25/PH3 | PH 3 | 25 mm | 20 |

IS25-PZX**CROSS BITS PZ**

Mo-V



3126



1/4"



| Art. | Size | Length | Pack |
|----------|------|--------|------|
| IS25/PZ1 | PZ 1 | 25 mm | 20 |
| IS25/PZ2 | PZ 2 | 25 mm | 20 |
| IS25/PZ3 | PZ 3 | 25 mm | 20 |

IS25-TGX**SLOTTED BITS**

Mo-V



3126



1/4"



| Art. | Size | Length | Pack |
|------------|--------------|--------|------|
| IS25/TG3 | 3 x 0.5 mm | 25 mm | 10 |
| IS25/TG4 | 4 x 0.8 mm | 25 mm | 10 |
| IS25/TG5.5 | 5.5 x 0.8 mm | 25 mm | 10 |
| IS25/TG6 | 6 x 1 mm | 25 mm | 10 |
| IS25/TG8 | 8 x 1.2 mm | 25 mm | 10 |

IS50-ESX**HEXAGONAL BITS**

Turn-down body.



Mo-V



3126



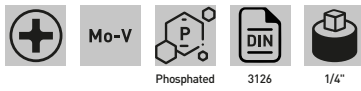
1/4"



| Art. | Size | Length | Pack |
|-----------|--------|--------|------|
| IS50/ES2 | 2 mm | 50 mm | 5 |
| IS50/ES25 | 2.5 mm | 50 mm | 5 |
| IS50/ES3 | 3 mm | 50 mm | 5 |
| IS50/ES4 | 4 mm | 50 mm | 5 |
| IS50/ES5 | 5 mm | 50 mm | 5 |
| IS50/ES6 | 6 mm | 50 mm | 5 |
| IS50/ES8 | 8 mm | 50 mm | 5 |
| IS50/ES10 | 10 mm | 50 mm | 5 |


IS50-PHX
CROSS BITS PH

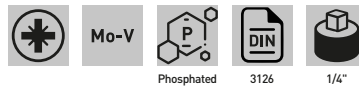
With turn-down body.



| Art. | Size | Length | Pack |
|----------|------|--------|------|
| IS50/PH1 | PH 1 | 50 mm | 10 |
| IS50/PH2 | PH 2 | 50 mm | 10 |
| IS50/PH3 | PH 3 | 50 mm | 10 |

IS50-PZX
CROSS BITS PZ

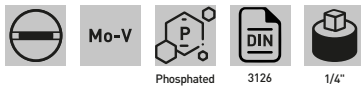
With turn-down body.



| Art. | Size | Length | Pack |
|----------|------|--------|------|
| IS50/PZ1 | PZ 1 | 50 mm | 10 |
| IS50/PZ2 | PZ 2 | 50 mm | 10 |
| IS50/PZ3 | PZ 3 | 50 mm | 10 |

IS50-TGX
SLOTTED BITS

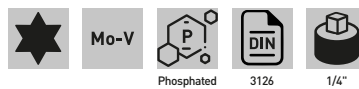
With turn-down body.



| Art. | Size | Length | Pack |
|------------|--------------|--------|------|
| IS50/TG3 | 3 x 0.5 mm | 50 mm | 5 |
| IS50/TG4 | 4 x 0.8 mm | 50 mm | 5 |
| IS50/TG5.5 | 5.5 x 0.8 mm | 50 mm | 5 |
| IS50/TG6 | 6 x 1 mm | 50 mm | 5 |
| IS50/TG8 | 8 x 1.2 mm | 50 mm | 5 |

IS50-TXX
TORX BITS

With turn-down body.



| Art. | Size | Length | Pack |
|-----------|------|--------|------|
| IS50/TX10 | T10 | 50 mm | 5 |
| IS50/TX15 | T15 | 50 mm | 5 |
| IS50/TX20 | T20 | 50 mm | 5 |
| IS50/TX25 | T25 | 50 mm | 5 |
| IS50/TX30 | T30 | 50 mm | 5 |
| IS50/TX35 | T35 | 50 mm | 5 |
| IS50/TX40 | T40 | 50 mm | 5 |

S018
HAND RIVETER SET


| | |
|-------------|---|
| Rivets | 50 x ø2,4 mm - 50 x ø3,2 mm - 50 x ø4,0 mm - 50 x ø4,8 mm |
| Nut rivets | 50 x M3 - 50 x M4 - 25 x M5 - 25 x M6 - 20 x M8 |
| Description | 330 x 170 x 150 mm |



0455

DOUBLE HAND NUT RIVETER

Long levers for effortless work, with 7 nosepieces.

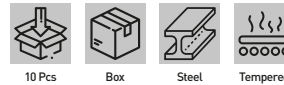


Nosepieces M3 - M4 - M5 - M6 - M8 - M10 - M12
Length 400 mm

0469

HAND NUT RIVETER

With 4 nosepieces. Ergonomic handles.



Nosepieces M3 - M4 - M5 - M6
Length 200 mm

0453

DOUBLE HAND RIVETER

Long levers for effortless work, even with 6.4 mm rivets. Plastic reservoir for sheared nail recovery.

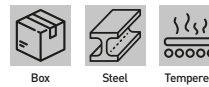


Rivets Ø 3,2 - 4,0 - 4,8 - 6,0 - 6,4 mm
Length 400 mm

0454

DOUBLE HAND RIVETER WITH ROTATING HEAD

Long levers for effortless work, even with 6.4 mm rivets. Plastic reservoir for sheared nail recovery. With 4-position rotating head.



Rivets Ø 3,2 - 4,0 - 4,8 - 6,4 mm
Length 400 mm

0470

HAND RIVETER WITH MULTI-SIDES BLOCKER

With rotating head - 4 positions.



Rivets 2,4 mm - 3,2 mm - 4,0 mm - 4,8 mm

0789

HAND RIVETER

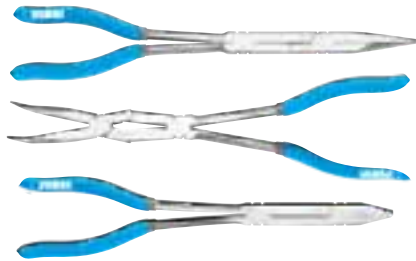
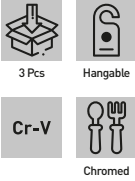


Rivets 2,4 mm - 3,2 mm - 4,0 mm - 4,8 mm
Length 255 mm



0872/P

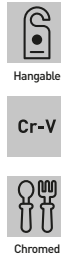
DOUBLE JOINT LONG PLIER SET



| | |
|-----------|--------|
| Length | 335 mm |
| Thickness | 10 mm |

0872/PDD

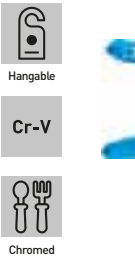
DOUBLE X LONG REACH PLIER LONG NOSE



| | |
|-----------|--------|
| Length | 335 mm |
| Thickness | 10 mm |

0872/PCD

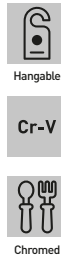
DOUBLE X LONG REACH PLIER LONG BENT NOSE 45°



| | |
|-----------|--------|
| Length | 335 mm |
| Thickness | 10 mm |

0872/OPD

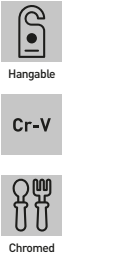
DOUBLE X LONG REACH PLIER



| | |
|-----------|--------|
| Length | 335 mm |
| Thickness | 10 mm |

0873-U

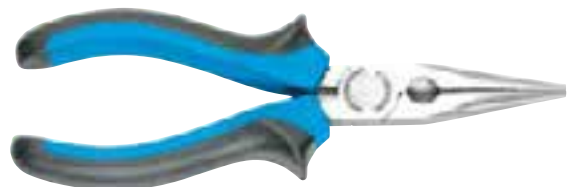
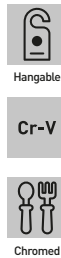
COMBINATION PLIERS



| Art. | Length | Thickness |
|---------|--------|-----------|
| 0873/U6 | 160 mm | 11 mm |
| 0873/U7 | 180 mm | 10,5 mm |
| 0873/U8 | 200 mm | 12 mm |

0873-BD

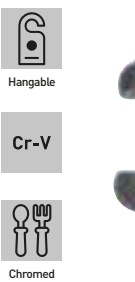
LONG NOSE PLIERS



| Art. | Length | Thickness |
|----------|--------|-----------|
| 0873/BD6 | 160 mm | 9 mm |
| 0873/BD8 | 200 mm | 10 mm |

0873-BC

BENT NOSE PLIERS 45°



| Art. | Length | Thickness |
|----------|--------|-----------|
| 0873/BC6 | 160 mm | 9 mm |
| 0873/BC8 | 200 mm | 10 mm |

0873/TL

DIAGONAL SIDE CUTTING NIPPERS



| | |
|-----------|--------|
| Length | 160 mm |
| Thickness | 9 mm |



0873/TF

END CUTTING NIPPERS



Blister



Cr-V



Chromed



Length 160 mm
Thickness 11 mm

0020/1

EXTRA LONG NOSE MINI PLIERS



Blister



Steel



Chromed



Length 150 mm

0020/2

BENT NOSE MINI PLIERS



Blister



Steel



Chromed



Length 125 mm

0020/3

FLAT NOSE MINI PLIERS



Blister



Steel



Chromed



Length 125 mm

0020/4

LONG NOSE MINI PLIERS



Blister



Steel



Chromed



Length 125 mm

0020/5

END CUTTING MINI NIPPERS



Blister



Steel



Chromed



Length 110 mm

0020/6

DIAGONAL SIDE CUTTING MINI NIPPERS



Blister



Steel



Chromed



Length 110 mm

0020

FINE POLISHED MINI PLIERS SET



5 Pcs



Blister



Steel



Bakelite



Chromed

Length 110 ÷ 125 mm



08X

COMBINATION PLIERS



| Art. | Length | Thickness |
|------|--------|-----------|
| 0810 | 160 mm | 11 mm |
| 0811 | 180 mm | 11 mm |
| 0850 | 200 mm | 13 mm |

0812

LONG NOSE PLIERS



| Art. | Length | Thickness |
|------|--------|-----------|
| | 160 mm | 10 mm |

0813

BENT NOSE PLIERS 45°



| | |
|-----------|--------|
| Length | 160 mm |
| Thickness | 10 mm |

0814

DIAGONAL SIDE CUTTING NIPPERS



| | |
|-----------|--------|
| Length | 160 mm |
| Thickness | 10 mm |

0841

RATCHET CRIMPING TOOL

With release lever.



| | |
|-------------------------|---|
| For insulated terminals | Ø 0,8 ÷ 3,5 mm / 0,25 ÷ 6 mm ² AWG 22-10 |
| Length | 230 mm |
| Thickness | 12 mm |

0843

RATCHET CRIMPING TOOL

With release lever.



| | |
|---------------------------|--|
| For barrel open terminals | Ø 1 ÷ 3,5 mm / 0,5 ÷ 6 mm ² AWG 20-10 |
| Length | 230 mm |
| Thickness | 12 mm |

0847

CRIMPING PLIERS FOR END SLEEVES TERMINALS

With release lever.



| | |
|-----------|------------------------------------|
| Terminals | 0,25 ÷ 6 mm ² AWG 23-10 |
| Length | 175 mm |
| Thickness | 12 mm |

0628

MODULAR PLUG CRIMPING TOOL

With release knob.



| | |
|----------------|--|
| Electric plugs | RJ-11 (6P4C); RJ-12 (6P6C); RJ-45 (8P8C) |
|----------------|--|



0826

CRIMPING PLIER AND WIRE STRIPPER

Car and computer crimping plier with wire stripper for thin wire.



| | |
|------------------|--|
| Length | 215 mm |
| Terminals | AWG 30-26 - AWG 24-20 - AWG 18-14 |
| Cutting capacity | ∅ 0,25 - 0,3 - 0,4 - 0,5 - 0,65 - 0,8 - 1,0 mm AWG30 - AWG28 - AWG26 - AWG24 - AWG22 - AWG20 - AWG18 |

024XE

CIRCLIP PLIERS

External straight nose.



| Art. | Circlips | Length |
|------|--------------|--------|
| 0246 | ∅ 19 ÷ 60 mm | 185 mm |
| 0636 | ∅ 10 ÷ 25 mm | 160 mm |
| 0674 | ∅ 3 ÷ 10 mm | 150 mm |
| 0676 | ∅ 32 ÷ 80 mm | 225 mm |

063XE

CIRCLIP PLIERS

External curved nose.



| Art. | Circlips | Length |
|------|--------------|--------|
| 0247 | ∅ 19 ÷ 60 mm | 175 mm |
| 0637 | ∅ 10 ÷ 25 mm | 150 mm |
| 0108 | ∅ 3 ÷ 10 mm | 135 mm |
| 0324 | ∅ 32 ÷ 80 mm | 215 mm |

0136

NYLON CLAMP SET

Automotive hose.



| | |
|---------------|--------------------|
| Length | 158 - 185 - 254 mm |
| Hose diameter | 10 - 15 - 24 mm |

0122

UNIVERSAL CRIMPING PLIER SET

With insulated terminals.



| | |
|--------|--------|
| Length | 220 mm |
|--------|--------|

024XI

CIRCLIP PLIERS

Internal straight nose.



| Art. | Circlips | Length |
|------|--------------|--------|
| 0248 | ∅ 19 ÷ 60 mm | 175 mm |
| 0638 | ∅ 8 ÷ 25 mm | 150 mm |
| 0619 | ∅ 3 ÷ 10 mm | 135 mm |
| 0631 | ∅ 32 ÷ 80 mm | 225 mm |

063XI

CIRCLIP PLIERS

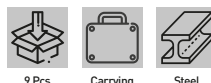
Internal curved nose.



| Art. | Circlips | Length |
|------|--------------|--------|
| 0249 | ∅ 19 ÷ 60 mm | 165 mm |
| 0639 | ∅ 8 ÷ 25 mm | 150 mm |
| 0340 | ∅ 3 ÷ 10 mm | 135 mm |
| 0364 | ∅ 32 ÷ 80 mm | 215 mm |

0603

AUTO REPAIRING PLIERS SET FOR CARS ZIP TIES





0118

WATER PUMP PLIERS

6 positions.



HANGABLE STEEL

Length 240 mm

0834-

TOWER PINCERS



HANGABLE STEEL 9242

| Art. | Length |
|----------|--------|
| 0834 | 220 mm |
| 0834/200 | 200 mm |
| 0834/250 | 250 mm |
| 0834/280 | 280 mm |

0121

LOCKING L-GRIP CLAMP



BOX STEEL SATIN

Length 230 mm
Adjustable 0 ÷ 155 mm

0119

ADJUSTABLE LOCK WRENCH

NEW



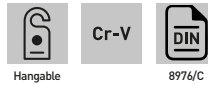
BOX STEEL SATIN

| Art. | Length |
|--------|--------|
| 0119/5 | 130 mm |
| 0119/7 | 180 mm |
| 0119 | 220 mm |

0831-

WATER PUMP PLIERS

7 positions.



HANGABLE Cr-V 8976/C

| Art. | Length |
|----------|--------|
| 0831/175 | 175 mm |
| 0831/250 | 250 mm |
| 0831/300 | 300 mm |

0206

CARPENTER PINCER

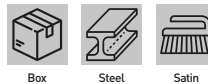


HANGABLE STEEL

Length 200 mm

0120

4 POSITIONS ADJUSTABLE LOCK WRENCH

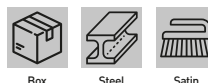


BOX STEEL SATIN

Length 230 mm
Opening 18 - 39 - 43 mm

0379

FOUR JAWS ADJUSTABLE LOCK WRENCH



BOX STEEL SATIN

Length 225 mm

**0368-****AUTOMATIC LOCK WRENCH**

Box

Cr-V



Satin

| Art. | Length |
|---------|--------|
| 0368/7 | 160 mm |
| 0368/10 | 230 mm |

0370-**LONG NOSE AUTOMATIC LOCK WRENCH**

Box

Cr-V



Satin

| Art. | Length |
|---------|--------|
| 0370/8 | 200 mm |
| 0370/11 | 275 mm |

0373-**"C" NOSE AUTOMATIC LOCK WRENCH**

Box

Cr-V



Satin

| Art. | Length | Opening |
|---------|--------|---------|
| 0373/9 | 210 mm | 65 mm |
| 0373/11 | 300 mm | 95 mm |

0130-**HEAVY DUTY PIPE WRENCH**

Cr-V

| Art. | Dimensions | Max Opening |
|----------|--------------|-------------|
| 0130/350 | 350 mm - 14" | 50 mm |
| 0130/600 | 600 mm - 24" | 90 mm |

0225-**45° BENT NOSE PIPE WRENCH**

Cr-V

| Art. | Dimensions | Max Opening |
|----------|---------------|-------------|
| 0225/340 | 340 mm - 1" | 46 mm |
| 0225/440 | 440 mm - 1,5" | 62 mm |
| 0225/580 | 580 mm - 2" | 72 mm |
| 0225/700 | 700 mm - 3" | 100 mm |

0227-**90° BENT NOSE PIPE WRENCH**

Cr-V

| Art. | Dimensions | Max Opening |
|----------|------------------|-------------|
| 0227/340 | 330 mm - 1" mm | 38 mm |
| 0227/440 | 415 mm - 1,5" mm | 52 mm |
| 0227/580 | 580 mm - 2" mm | 75 mm |
| 0227/700 | 700 mm - 3" mm | 100 mm |



0511

SLEDGE HAMMER

With safety fiberglass plastic handle with black rubber grip.



Glass fiber

| | |
|-------------|---------|
| Length | 820 mm |
| Head weight | 3,50 kg |
| Net weight | 4,45 kg |

0780

CLAW HAMMER

With safety fiberglass plastic handle with black rubber grip.



Glass fiber

| | |
|------------|-------|
| Net weight | 500 g |
|------------|-------|

0154-

MACHINIST'S HAMMER GERMAN TYPE



Wood



1041

| Art. | Net weight |
|--------------|------------|
| 0154/100DIN | 100 g |
| 0154/200DIN | 200 g |
| 0154/300DIN | 300 g |
| 0154/400DIN | 400 g |
| 0154/500DIN | 500 g |
| 0154/600DIN | 600 g |
| 0154/800DIN | 800 g |
| 0154/1000DIN | 1000 g |
| 0154/1500DIN | 1500 g |
| 0154/2000DIN | 2000 g |

0781

STONING HAMMER

With safety fiberglass plastic handle with black rubber grip.



Glass fiber



6475

| | |
|------------|--------|
| Length | 260 mm |
| Net weight | 1000 g |

0514-

MACHINIST'S HAMMER GERMAN TYPE

With safety fiberglass plastic handle with black rubber grip.



Glass fiber



1041

| Art. | Net weight |
|-----------|------------|
| 0514/200 | 200 g |
| 0514/300 | 300 g |
| 0514/400 | 400 g |
| 0514/500 | 500 g |
| 0514/1000 | 1000 g |

0153-

STONING HAMMER



Wood



1041



Wood



6475

| Art. | Net weight |
|--------------|------------|
| 0153/800DIN | 800 g |
| 0153/1000DIN | 1000 g |
| 0153/1250DIN | 1250 g |
| 0153/1500DIN | 1500 g |



0169-

CLAW HAMMER ITALIAN TYPE

Magnetic.



Wood

| Art. | Net weight |
|----------|------------|
| 0169/300 | 300 g |
| 0169/400 | 400 g |

0216/400

CHIPPING HAMMER

With wooden handle.



Wood

| | |
|---------------|--------|
| Handle length | 380 mm |
| Net weight | 400 g |

0239/400

CHIPPING HAMMER

With fiberglass plastic handle with black rubber grip.



Glass fiber

| | |
|---------------|--------|
| Handle length | 380 mm |
| Net weight | 400 g |

0148/500

RUBBER Mallet



Wood

| | |
|------------|---------|
| Head | ø 65 mm |
| Net weight | 500 g |

0243-

TWO WAY Mallet



Glass fiber

| Art. | Head | Net weight |
|---------|---------|------------|
| 0243/30 | ø 30 mm | 350 g |
| 0243/40 | ø 40 mm | 500 g |

0794-

TWO WAY RUBBER Mallet

Equipped of fiberglass handle.



Glass fiber

| Art. | Head | Net weight |
|----------|---------|------------|
| 0794/350 | ø 55 mm | 350 g |
| 0794/450 | ø 58 mm | 500 g |

0808-

Mallet

Aluminium with anatomic handle and polyethylene heads.



Wood

| Art. | Head | Net weight |
|---------|---------|------------|
| 0808/35 | ø 35 mm | 350 g |
| 0808/60 | ø 60 mm | 800 g |

033X

DEAD BLOW RUBBER Mallet



| Art. | Head | Net weight |
|------|---------|------------|
| 0336 | ø 45 mm | 500 g |
| 0337 | ø 50 mm | 900 g |

0839-

DEAD BLOW MALLET

Nylon, spare part head.



| Art. | Head | Net weight |
|---------|---------|------------|
| 0839/40 | ø 40 mm | 750 g |
| 0839/50 | ø 50 mm | 1000 g |
| 0839/60 | ø 60 mm | 1500 g |

0839-XT

SPARE PART HEAD

For dead blow mallet 0839-.



| Art. | Head |
|----------|---------|
| 0839/40T | ø 40 mm |
| 0839/50T | ø 50 mm |
| 0839/60T | ø 60 mm |

072X

DEAD BLOW NYLON MALLET

With monoblock body made of shock resistant aluminium alloy. Anatomic handle made of non-sliding wood. Internal mass composed of lead balls. Changeable heads made of non-deformable nylon.



| Art. | Head | Net weight |
|------|---------|------------|
| 0726 | ø 40 mm | 550 g |
| 0727 | ø 50 mm | 900 g |
| 0728 | ø 60 mm | 1100 g |

073X

SPARE PART HEAD

For dead blow nylon mallet 072x.



| Art. | Head | Pack |
|------|---------|------|
| 0729 | ø 40 mm | 2 |
| 0730 | ø 50 mm | 2 |
| 0731 | ø 60 mm | 2 |

G009

SAFE SPRING HOOK

To put in safety tools when working on ladders or scaffolds.

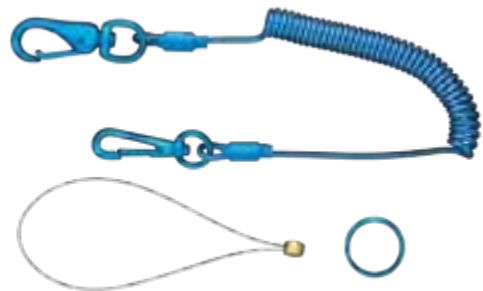


INOX

Blister



| | |
|----------|---------------|
| Capacity | 5 kg |
| Length | 430 ÷ 1600 mm |





B006-

CENTER PUNCH

With octagonal body.



Cr-Mo



| Art. | Sizes | Length |
|--------|-------|--------|
| B006/4 | 4 mm | 120 mm |
| B006/5 | 5 mm | 150 mm |

S022-

CHISEL FOR METAL



Cr-Mo

| Art. | Dimensions | Length |
|---------|------------|--------|
| S022/18 | 18 mm | 150 mm |
| S022/21 | 21 mm | 200 mm |
| S022/25 | 25 mm | 250 mm |
| S022/26 | 26 mm | 240 mm |

C015

DRIFT PIN SET

With octagonal body and hand guard.



7 Pcs



Hangable



Cr-Mo



Chromed

Sizes \varnothing 2 - 3 - 4 - 5 - 6 - 7 - 8 mm

0127

MECHANIC CHISEL, PIN PUNCH AND CENTER PUNCH SET WITH PLASTIC HOLDER



6 Pcs



Blister



Cr-V

Length 120 - 150 mm

C012-

DRIFT PIN

With octagonal body.



Hangable

Cr-Mo



| Art. | Dimensions | Length |
|---------|--------------------|--------|
| C012/02 | \varnothing 2 mm | 150 mm |
| C012/03 | \varnothing 3 mm | 150 mm |
| C012/04 | \varnothing 4 mm | 150 mm |
| C012/05 | \varnothing 5 mm | 150 mm |
| C012/06 | \varnothing 6 mm | 150 mm |
| C012/08 | \varnothing 8 mm | 150 mm |

C015-

DRIFT PIN

With octagonal body and hand guard.



Hangable

Cr-Mo



Chromed

| Art. | Size | Length |
|--------|-------------------------|--------|
| C015/2 | \varnothing 2 x 8 mm | 140 mm |
| C015/3 | \varnothing 3 x 8 mm | 150 mm |
| C015/4 | \varnothing 4 x 10 mm | 180 mm |
| C015/5 | \varnothing 5 x 10 mm | 220 mm |
| C015/6 | \varnothing 6 x 12 mm | 210 mm |
| C015/7 | \varnothing 7 x 12 mm | 210 mm |

0126

DRIFT PIN SET WITH PLASTIC HOLDER



6 Pcs



Blister



Cr-V

Dimensions \varnothing 3-4-5-6-8-10 mm
Length 150 mm

0396

CHISEL SET FOR METAL



3 Pcs



Hangable



Cr-V

Dimensions 10 x 8 x 140 mm, 13 x 9,5 x 150 mm, 16 x 12 x 170 mm



0381

AUTOMATIC CENTER PUNCH

With spring.



Length 125 mm

0733

NEW

AUTOMATIC CENTER PUNCH

Spring-loaded. Possibility of adjusting the punching depth.



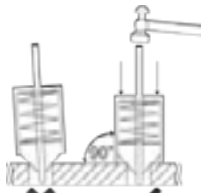
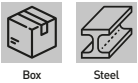
Length 125 mm

0734-

NEW

HOLE MARKERS

For centring within existing bores, the spring-loaded, conical front provides accurate centring.



| Art. | Length | Hole diameter |
|--------|--------|---------------|
| 0734/1 | 100 mm | Ø5 ÷ Ø15 mm |
| 0734/2 | 82 mm | Ø5 ÷ Ø30 mm |

0391

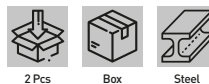
MECHANIC CHISEL, PIN PUNCH AND CENTER PUNCH SET WITH HAND GUARD



| | |
|----------------|---------------------------------------|
| Chisel | 10 x 135 mm, 13 x 150 mm, 16 x 160 mm |
| Center punches | 04 x 130 mm |
| Solid punch | 03 x 120 mm |
| Pin punch | 03 x 120 mm |

0152

STONING CHISEL SET WITH HAND GUARD



Dimensions 16 x 250 mm

0258

FLAT POINT COLD CHISEL WITH HAND GUARD



Dimensions 16 x 300 mm

0259

POINT COLD CHISEL WITH HAND GUARD



Dimensions 16 x 300 mm



0300

WOOD CHISEL SET



Hardness HRC 58-60
Dimensions 10-16-20-25 mm



0301-

WOOD CHISEL

Hardness HRC 58-60.



| Art. | Dimensions |
|---------|------------|
| 0301/06 | 6 mm |
| 0301/10 | 10 mm |
| 0301/16 | 16 mm |
| 0301/20 | 18.5 mm |
| 0301/24 | 25 mm |



0168

WOOD CHISEL SET

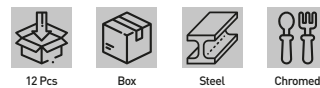


Hardness HRC 58-60
Sizes 240 x 6-10-16-20-24 mm



0306

CARVING CHISEL SET



Hardness HRC 58-60
Length 215 mm



0162

WOOD CHISEL SET FOR LATHE

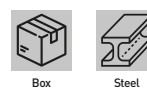


Hardness HRC 58-60
Total length 370 mm



0166

IRON PLANER FOR WOOD



Planner length 225 mm
Blade width 50 mm





0519

WOOD RASP SET WITH PLASTIC HANDLE



Dimensions 200 mm - 8"



0160

FILE SET FOR METAL WITH ANATOMIC HANDLE



Dimensions 200 mm - 8"



0219

NEEDLE FILE SET



Total length 180 mm



0214

ROUND HANDLE NEEDLE FILE SET



Dimensions Ø 3 x 140 mm



L011

BENT NOSE DIAMOND NEEDLE FILE SET



Length 140 mm



L012

DIAMOND NEEDLE FILE SET



Length 180 mm



L013

DIAMOND NEEDLE FILE SET

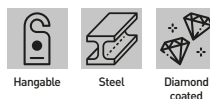


Length 140 mm



L012/PIA

DIAMOND FLAT FILE



Length 180 mm





0737-

STEEL FILE

Rectangular shape, with ergonomic plastic handle.



| Art. | Slotted | Dimensions | Pack |
|------------|------------|--------------|------|
| 0737/150T2 | Half cut | 150 mm - 6" | 10 |
| 0737/150T3 | Smooth cut | 150 mm - 6" | 10 |
| 0737/200T2 | Half cut | 200 mm - 8" | 10 |
| 0737/200T3 | Smooth cut | 200 mm - 8" | 10 |
| 0737/250T2 | Half cut | 250 mm - 10" | 10 |
| 0737/250T3 | Smooth cut | 250 mm - 10" | 10 |

0739-

STEEL FILE

Half round shape. With ergonomic plastic handle.



| Art. | Slotted | Dimensions | Pack |
|------------|------------|--------------|------|
| 0739/150T2 | Half cut | 150 mm - 6" | 10 |
| 0739/150T3 | Smooth cut | 150 mm - 6" | 10 |
| 0739/200T2 | Half cut | 200 mm - 8" | 10 |
| 0739/200T3 | Smooth cut | 200 mm - 8" | 10 |
| 0739/250T2 | Half cut | 250 mm - 10" | 10 |
| 0739/250T3 | Smooth cut | 250 mm - 10" | 10 |

0741-

STEEL FILE

Squared shape. With ergonomic plastic handle.



| Art. | Slotted | Dimensions | Pack |
|------------|------------|--------------|------|
| 0741/150T2 | Half cut | 150 mm - 6" | 10 |
| 0741/150T3 | Smooth cut | 150 mm - 6" | 10 |
| 0741/200T2 | Half cut | 200 mm - 8" | 10 |
| 0741/200T3 | Smooth cut | 200 mm - 8" | 10 |
| 0741/250T2 | Half cut | 250 mm - 10" | 10 |
| 0741/250T3 | Smooth cut | 250 mm - 10" | 10 |

0738-

STEEL FILE

Triangular shape. With ergonomic plastic handle.



| Art. | Slotted | Dimensions | Pack |
|------------|------------|--------------|------|
| 0738/150T2 | Half cut | 150 mm - 6" | 10 |
| 0738/150T3 | Smooth cut | 150 mm - 6" | 10 |
| 0738/200T2 | Half cut | 200 mm - 8" | 10 |
| 0738/200T3 | Smooth cut | 200 mm - 8" | 10 |
| 0738/250T2 | Half cut | 250 mm - 10" | 10 |
| 0738/250T3 | Smooth cut | 250 mm - 10" | 10 |

0740-

STEEL FILE

Round shape. With ergonomic plastic handle.



| Art. | Slotted | Dimensions | Pack |
|------------|------------|--------------|------|
| 0740/150T2 | Half cut | 150 mm - 6" | 10 |
| 0740/150T3 | Smooth cut | 150 mm - 6" | 10 |
| 0740/200T2 | Half cut | 200 mm - 8" | 10 |
| 0740/200T3 | Smooth cut | 200 mm - 8" | 10 |
| 0740/250T2 | Half cut | 250 mm - 10" | 10 |
| 0740/250T3 | Smooth cut | 250 mm - 10" | 10 |

0742-

ANATOMIC PLASTIC FILE HANDLE



| Art. | For file | Pack |
|---------|-----------------------------|------|
| 0742/4 | 100 mm - 150 mm / 4" - 6" | 12 |
| 0742/6 | 150 mm - 250 mm / 6" - 10" | 12 |
| 0742/10 | 250 mm - 400 mm / 10" - 16" | 12 |



0202

PRY BAR SET GO THROUGH TYPE



4 Pcs



Blister



Steel

Dimensions 230 mm/9" - 300 mm/12" - 450 mm/18" - 590 mm/24"

0192

HEAVY DUTY PRY BAR SET

1 Pc straight 910 mm/36", 1 Pc bent 45° 910 mm/36", 1 Pc bent 60° 610 mm/24", 1 Pc bent 90° 610 mm/24".



4 Pcs



Carrying case

Cr-V

L007

MOTORCYCLE TYRE LEVER



Box



Steel



Satin

Dimensions 215 x 16 X 5 mm

0320

WRECKING BAR



Steel

Total length 600 mm
Hexagon 15,6 mm

0198

POINTED PRY BAR

Pointed pry bar.



Steel

Length 400 mm
A 30 mm
B 23 mm
Pack 5

0267

TYRE LEVER



Box



Steel



Satin

Dimensions 510 x 26 x 9 mm

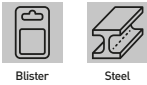




0623

SNAP-OFF UTILITY KNIFE, BLADES INCLUDED

With automatic loading of the blade



Standard blades 3
Blade width 18 mm

0627

SNAP-OFF UTILITY KNIFE BLADES INCLUDED

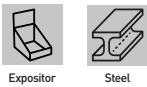
With automatic loading of the blade



Standard blades 5
Blade width 9 mm

0617

AUTOMATIC SNAP-OFF UTILITY KNIFE BLADES INCLUDED



Standard blades 3
Blade width 18 mm

0613

STAINLESS STEEL SNAP-OFF UTILITY KNIFE

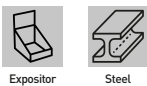
ISO 9001.



Standard blades 3
Blade width 9 mm

0096

SNAP-OFF UTILITY KNIFE, BLADES INCLUDED



Standard blades 3
Blade width 18 mm

0612

STAINLESS STEEL SNAP-OFF UTILITY KNIFE

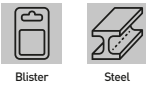


Standard blades 3
Blade width 9 mm



0611

STAINLESS STEEL SNAP-OFF UTILITY KNIFE



Standard blades 3
Blade width 9 mm

0035

SECURITY SNAP-OFF UTILITY KNIFE, BLADES INCLUDED



Standard blades 4
Trapezoidal blade 19 x 61 x 0,6 mm

0792

AUTOMATIC SNAP-OFF UTILITY KNIFE, BLADES INCLUDED



Standard blades 5
Blade width 25 mm

0696

FOLDABLE UTILITY KNIFE, BLADES INCLUDED



Standard blades 5
Blade width 20 mm

0095

SNAP-OFF KNIFE SET



0696/L

PAPER CUTTER BLADE SET



Trapezoidal blade 19 x 61 x 0,6 mm



0627/L

PAPER CUTTER BLADE SET



Blade width 9 mm





0096/L

PAPER CUTTER BLADE SET



Blade width 18 mm



0792/L

PAPER CUTTER BLADE SET



Blade width 25 mm



0420

DEBURRING TOOL WITH 1 BLADE



Length 120 mm
 Max. handle diameter 9,2 mm
 Blade E100 - Ø 3,2 mm
 Blade material HSS

0411

DEBURRING TOOL WITH 1 BLADE



Length 124 mm
 Max. handle diameter 29 mm
 Blade E100 - Ø 3,2 mm
 Blade material HSS

0415

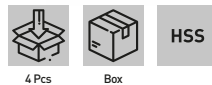
DEBURRING TOOL WITH 2 BLADE



Length 125 mm
 Max. handle diameter 22 mm
 Blade E100 - E200 - Ø 3,2 mm
 Blade material HSS

S002

EXTENSIBLE DEBURRING TOOL WITH 3 BLADES



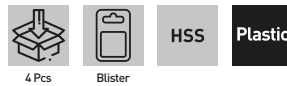
Blade Ø 3,2 mm
 Blade dimensions E100 - E200 - E300



0420/S

DEBURRING SET WITH BLADES

For internal and external deburring of hard and soft materials. Comfortable and practical equipped with clips to always carry them with you and have them available at the right time. With ergonomic handle and different colors to immediately identify the right deburrer for the right material: purple for aluminum, red for brass and cast iron, blue for steel and yellow for plastic



Length 120 mm
 Blade Ø 3.2 mm

S002/E100

HSS LONG SHANK BLADE SET

For internal and external deburring for long chips material like steel, aluminum, plastic materials.



S002/E200

HSS BIDIRECTIONAL BLADE SET

For internal and external deburring short chips material like brass and cast iron.



S002/E300

HSS BIDIRECTIONAL BLADE SET

For internal and external deburring for holes until 4 mm of thickness.





S005

DOUBLE DEBURRER WITH HSS DISK BLADE

For steel, aluminum, brass, copper and plastic sheets deburring max 10 mm.



Box

HSS

S005/R

DISK BLADE SET



4 Pcs



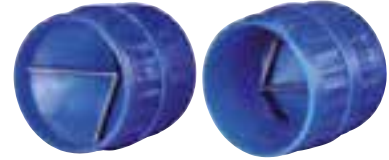
Box

HSS

0384

INNER-OUTER REAMER

For copper and ferrous metals.



2 Pcs



Box

Plastic

Capacity

3 ÷ 32 mm 3/16" ÷ 1-1/2"

0647/25

PAINT SCRAPER WITH 25 MM CARBIDE BLADE THREE CUTTING EDGES



Blister

HM



Satin

0647/50

PAINT SCRAPER WITH 50 MM CARBIDE BLADE TWO CUTTING EDGES



Blister

HM



Satin

0647/65

PAINT SCRAPER WITH 65 MM CARBIDE BLADE TWO CUTTING EDGES



Blister

HM



Satin

0647/25L

2 PCS BLADE SET



2 Pcs



Blister

HM

0647/50L

2 PCS BLADE SET



2 Pcs



Blister

HM

0647/65L

2 PCS BLADE SET



2 Pcs



Blister

HM





0367

CARVING KNIFE SET

With 240 grit stone, 26 spare knives. For use on wood, polystyrene, EVA, foam.



| | |
|-----------------------|-----------------------|
| Grindstone | 1 - grana / grain 240 |
| Precision screwdriver | 1 |
| Tweezers | 1 |
| Double color grip | 4 |
| Carving knife blades | 26 |
| Plastic case | 1, ABS+TPR |



0226

HACKSAW FRAME WITH ALUMINUM ALLOY HANDLE

With handle for small cut. Bi-metal hack saw blade and aluminum body.



Blade length 310 mm

0161

MINI HACKSAW WITH BLADE



Alu

Aluminum

Blade length 150 mm

0724/B

BI-METAL HACK SAW BLADE

ISO 2336-1.



Box

HSS

Sizes 300 x 12,7 x 0,62 mm x 24T - 12" x 1/2" x 0.025" x 24T
Pack 10

0869

HANDSAW FOR JOINER WITH TRIPLE DRESSED SHARPENING DIAMOND TYPE



Steel

Blade length 400 mm

0629

HACKSAW WITH BLADE

Bi-metal hack saw blade and aluminum body.



Blade length 300 mm

0327

BOW HANDSAW FOR WOOD



Steel

Blade length 530 mm / 21"

0159

HACKSAW BLADE

ISO 2336-1.



Box

Sizes 300 x 12,7 x 0,62 mm x 24T - 12" x 1/2" x 0.025" x 24T
Pack 100


0670
NIBBLER FOR POWER DRILL

Double head nibbler, with accessory for round and straight cutting purpose.



Box

HSS
TiN
0670/U
CUTTER HOLDERS

Cutting capacity

| | |
|---------------------------|-----------------|
| Iron plates | 1,8 mm |
| Stainless steel plate | 1,2 mm |
| Copper and aluminum plate | 2,0 mm |
| Plastic materials | 2,0 mm |
| Round speed | 1500 - 3000 rpm |
| Collar | ∅ 43,2 mm |
| Metal box | |

0655/L
LEFT HAND AVIATION TIN SNIP

With serrated and hardened blade and ergonomic handles.



Blister

Cr-V


Chromed

| | |
|----------|-------------|
| Length | 245 mm |
| Hardness | 50 - 52 HRC |

0655/S
STRAIGHT AVIATION TIN SNIP

With serrated and hardened blade and ergonomic handles.



Blister

Cr-V


Chromed

| | |
|----------|-------------|
| Length | 245 mm |
| Hardness | 50 - 52 HRC |

0655/R
RIGHT HAND AVIATION TIN SNIP

With serrated and hardened blade and ergonomic handles.



Blister

Cr-V


Chromed

| | |
|----------|-------------|
| Length | 245 mm |
| Hardness | 50 - 52 HRC |

0818/250
TINMAN'S SNIPS


Blister



Steel



Satin

| | |
|--------|--------|
| Length | 265 mm |
|--------|--------|

0699/240
INOX SCISSORS

With nylon handle.



Blister

INOX


Satin

| | |
|--------|--------|
| Length | 240 mm |
|--------|--------|

0672
ELECTRICIAN SCISSORS

With serrated blade, and ergonomic handle in abs material.



Blister

INOX


Satin

| | |
|--------|-----------------|
| Length | 5" 1/2 - 140 mm |
|--------|-----------------|



0672/B

ELECTRICIAN SCISSORS

With serrated blade and, bicolor non-slip ergonomic handle.



Length 140 mm

0141

ELECTRICIAN SCISSORS



Length 5" 1/2 - 140 mm

F018

INSULATED ELECTRICIAN SCISSORS

1000V IEC 60900, with serrated blade, and ergonomic handle in ABS material.



Length 6" - 160 mm

0673

MULTIPURPOSE SCISSORS

With serrated blade, ergonomic bicolor non-slip plastic and rubber handle.



Length 175 mm / 7" mm

0325

MULTIPURPOSE SCISSORS

With serrated blade and ergonomic bicolor non-slip handle.



Length 210 mm / 8" mm

0424

PUNCH PLIER

It allows to perform small holes on materials of small thickness such as: paper, cardboard, rubber and leather



Length 250 mm

0081

HOLLOW PUNCH SET



Sizes ø 5 - 6 - 8 - 10 - 12,5 - 16 - 20 - 25 - 32 mm

0093/22

PIPE CUTTER FOR COPPER AND PLASTIC

With zinc alloy body.



Cutting capacity 3÷22 mm , 1 / 8" ÷ 55 / 64"


0093/42
PIPE CUTTER FOR COPPER AND IRON

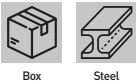
With aluminium alloy body.



| | |
|-------------------------|---------------------------------|
| Cutting capacity | 6÷42 mm , 15 / 64" ÷ 1-21 / 32" |
| Hardness | HRC 58-60 |

0092
COPPER TUBE CUTTER


| | |
|-----------------|---------------------------|
| Capacity | 3 ÷ 28 mm - 1/8" ÷ 1 1/8" |
|-----------------|---------------------------|

0472
PIPE FLARING TOOL FOR COPPER AND ALUMINUM


| | |
|-------------------|----------------------------------|
| Round pipe | 5 - 6 - 8 - 10 - 12 - 14 - 16 mm |
|-------------------|----------------------------------|

0844
POLYURETHANE AND RUBBER HOSE CUTTER


| | |
|----------------|---------|
| Max cut | Ø 25 mm |
|----------------|---------|

0253
POLYURETHANE AND RUBBER HOSE CUTTER

Suitable for pe, pu and rubber hoses, bi-component handle.



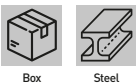
| | |
|--------------------|--------|
| Max Opening | 19 mm |
| Length | 133 mm |

0287-
BOLT CUTTER

Ideal for cutting iron rods, chains and a vast type of ferrous and non-ferrous materials.


Cr-V
0846/150
RATCHET HAND CABLE CUTTER

For electric cables.



| | |
|-------------------------|---------------------------------|
| Cutting capacity | 150 mm ² (Al - Cu) |
| Length | 250 mm |

| Art. | Dimensions |
|----------|--------------|
| 0287/300 | 300 mm - 12" |
| 0287/350 | 350 mm - 14" |
| 0287/450 | 450 mm - 18" |
| 0287/600 | 600 mm - 24" |
| 0287/750 | 750 mm - 30" |



0862

ADJUSTABLE AUTOMATIC WIRE STRIPPER



Max cut $\varnothing 0,8 \div 3,5 \text{ mm}$ $0,25 \div 6 \text{ mm}^2$

0101/500

CAMP AXE



0513

CAMP AXE WITH FIBRE-GLASS HANDLE



0515

AXE WITH FIBRE-GLASS HANDLE



Length 900 mm

0322

TELESCOPIC RATCHET LOPPING SHEARS TEFLON COATED HARDENED BLADE

Ergonomic handle.

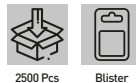


Length 690 - 1030 mm



**0587-
STAPLES**

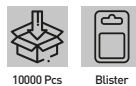

| Art. | Model | Size |
|-----------|-------|---------------|
| 0587/8006 | 80 | 12,9 x 6h mm |
| 0587/8008 | 80 | 12,9 x 8h mm |
| 0587/8010 | 80 | 12,9 x 10h mm |
| 0587/8012 | 80 | 12,9 x 12h mm |
| 0587/8014 | 80 | 12,9 x 14h mm |
| 0587/8016 | 80 | 12,9 x 16h mm |

**0585-
STAPLES**


| Art. | Model | Size |
|-----------|-------|--------------|
| 0585/9013 | 90 | 5,7 x 13h mm |
| 0585/9019 | 90 | 5,7 x 19h mm |
| 0585/9032 | 90 | 5,7 x 32h mm |
| 0585/9040 | 90 | 5,7 x 40h mm |

**0584-
NAILS**


| Art. | Model | Size |
|----------|--------|------------|
| 0584/F10 | TI-PIN | 1 x 10h mm |
| 0584/F15 | TI-PIN | 1 x 15h mm |
| 0584/F20 | TI-PIN | 1 x 20h mm |
| 0584/F25 | TI-PIN | 1 x 25h mm |
| 0584/F30 | TI-PIN | 1 x 30h mm |
| 0584/F35 | TI-PIN | 1 x 35h mm |
| 0584/F40 | TI-PIN | 1 x 40h mm |
| 0584/F45 | TI-PIN | 1 x 45h mm |
| 0584/F50 | TI-PIN | 1 x 50h mm |

**0588-
HEADLESS PINS**


| Art. | Model | Size |
|----------|-------|---------------|
| 0588/615 | 0,60 | 0,63 x 15h mm |
| 0588/620 | 0,60 | 0,63 x 20h mm |
| 0588/625 | 0,60 | 0,63 x 25h mm |

**0151
STAPLES**


| Stem | 0,58 x 1,2 mm |
|------|---------------|
|------|---------------|


**0295
RIVET SET**

25 Pcs 2.4x6.4 mm; 25 Pcs 2.4x8 mm; 25 Pcs 3.2x5 mm; 25 Pcs 3.2x6.4 mm; 25 Pcs 3.2x8 mm; 25 Pcs 4x6.4 mm; 25 Pcs 4x8 mm; 25 Pcs 4.8x6.4 mm; 25 Pcs 4.8x8 mm;


**0376/AC
CARBON STEEL NUT RIVET SET**

Yellow zinc plated, M3: 40 Pcs - M4: 40 Pcs - M5: 30 Pcs - M6: 20 Pcs - M8: 10 Pcs - M10: 5 Pcs - M12: 5 Pcs.



Nut rivets M3 - M4 - M5 - M6 - M8 - M10 - M12

**0376/AL****ALUMINUM NUT RIVET SET**

M4: 50 Pcs - M5: 35 Pcs - M6: 15 Pcs - M8: 10Pcs - M10: 10 Pcs.



120 Pcs



Hangable

Alu

Aluminum

Nut rivets

M4 - M5 - M6 - M8 - M10

0376/AI**STAINLESS STEEL NUT RIVET SET**

M3: 40 Pcs - M4: 40 Pcs - M5: 30 Pcs - M6: 20 Pcs - M8: 10Pcs - M10: 5 Pcs - M12: 5 Pcs.



150 Pcs



Hangable

INOX

Nut rivets

M3 - M4 - M5 - M6 - M8 - M10 - M12

0178**WASHER SET**

50 Pcs Grower #6; 50 Pcs Grower #8; 50 Pcs Grower #10; 40 Pcs Grower 1/4"; 30 Pcs Grower 5/16"; 20 Pcs Grower 3/8"; 50 Pcs Notched out. #6; 50 Pcs Notched out. #8; 50 Pcs Notched out. #10; 40 Pcs Notched out. 1/4"; 30 Pcs Notched out. 5/16"; 20 Pcs Notched out. 3/8"; 50 Pcs Notched ins. #6; 50 Pcs Notched ins. #8; 50 Pcs Notched ins. #10; 40 Pcs Notched ins. 1/4"; 30 Pcs Notched ins. 5/16"; 20 Pcs Notched ins. 3/8".



720 Pcs



Box

Alu

Aluminum

0229**COPPER WASHER SET**

30 Pcs M6; 25 Pcs M8; 20 Pcs M10; 15 Pcs M12; 10 Pcs M14; 10 Pcs M16.



110 Pcs



Box

0294**COTTER PIN SET**

150 Pcs 1/16" x 1"; 150 Pcs 3/32" x 1"; 100 Pcs 3/32" x 1 - 1/2"; 1/8" x 1-1/4"; 50 Pcs 1/8" x 2"; 30 Pcs 5/32" x 2-1/2".



555 Pcs



Box



Steel

0298**HITCH PIN SET**

42 Pcs 3/32"x1-3/16"; 30 Pcs 5/64"x1-5/16"; 25 Pcs 5/64"x1-9/16"; 25 Pcs 7/64"x1-5/18"; 20 Pcs 9/64"x1-3/4"; 8 Pcs 5/32"x2-15/16".



150 Pcs



Box



Steel

0231**ROLL PIN SET**

4 Pcs 4x16 mm; 4 Pcs 4x26 mm; 4 Pcs 4x40 mm; 4 Pcs 6x16 mm; 4 Pcs 6x32 mm; 4 Pcs 6x45 mm; 4 Pcs 8x20 mm; 4 Pcs 8x40 mm; 4 Pcs 8x50 mm; 4 Pcs 2x6 mm; 4 Pcs 2x14 mm; 4 Pcs 2x26 mm; 4 Pcs 1.5x5 mm; 4 Pcs 1.5x20 mm; 4 Pcs 1.5x8 mm; 4 Pcs 2.5x16 mm; 4 Pcs 2.5 x24 mm; 4 Pcs 2.5x32 mm; 5 Pcs 3x16 mm; 5 Pcs 3x26 mm; 5 Pcs 3x32 mm; 2 Pcs 10x20 mm; 2 Pcs 10x40 mm; 2 Pcs 10x50 mm; 4 Pcs 5.5x32 mm; 4 Pcs 5.5x45 mm; 4 Pcs 5.5x16 mm; 5 Pcs 5x16 mm; 5 Pcs 5x26 mm; 5 Pcs 5x32 mm.



120 Pcs



Box



Steel

0296**E-CLIP SET**

30 Pcs 1/16"; 30 Pcs 1/8"; 40 Pcs 3/16"; 50 Pcs 1/4"; 50 Pcs 3/8"; 40 Pcs 1/2"; 20 Pcs 5/8"; 20 Pcs 3/4"; 20 Pcs 7/8";



300 Pcs



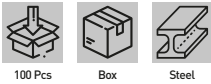
Box



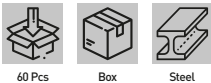
Steel

0179
SNAP RING SET

3 Pcs \varnothing 32; 5 Pcs \varnothing 25; 5 Pcs \varnothing 22; 10 Pcs \varnothing 16;
10 Pcs \varnothing 14; 10 Pcs \varnothing 10; 5 Pcs R14; 10 Pcs R12;
10 Pcs R10; 10 Pcs \varnothing 9; 10 Pcs \varnothing 8; 12 Pcs \varnothing 6.


0257
PARALLEL KEY SET

5 Pcs 6x6x20 mm; 4 Pcs 3x3x20 mm; 4 Pcs
3x3x25 mm; 5 Pcs 8x5x32 mm; 5 Pcs 5x5x20
mm; 5 Pcs 8x7x36 mm; 5 Pcs 5x5x25 mm; 5
Pcs 10x8x40 mm; 5 Pcs 5x5x36 mm; 5 Pcs
10x8x50 mm; 5 Pcs 6x6x36 mm; 2 Pcs 12x8x40
mm; 5 Pcs 6x6x50 mm.


0116P
INCH CHROMED STEEL BALL SET

DIN 5401 grade, class III 50 Pcs 3/32"; 50 Pcs
1/8"; 50 Pcs 5/32"; 50 Pcs 3/16"; 50 Pcs 7/32";
50 Pcs 1/4"; 30 Pcs 9/32"; 30 Pcs 5/16"; 30 Pcs
11/32"; 20 Pcs 3/8"; 20 Pcs 13/32".

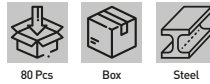

0299
METRIC O-RING SET

419 pieces in 32 different sizes made
of high quality NBR nitrile rubber, heat
resistant, oil resistant, gas resistant.

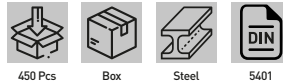
419 pieces in 32 different sizes made
of high quality NBR nitrile rubber, heat
resistant, oil resistant, gas resistant.


0263
WOODRUFF METRIC KEY SET

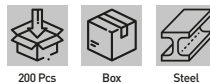
10 Pcs 4x7.5x19 mm; 10 Pcs 5x7.5x19 mm;
10 Pcs 3x5x13 mm; 10 Pcs 3x6.5x16 mm; 10
Pcs 4x5x13 mm; 10 Pcs 4x6.5x16 mm; 10 Pcs
5x9x22 mm; 10 Pcs 6x9x22 mm.


0116
METRIC CHROMED STEEL BALL SET

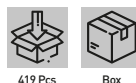
DIN 5401 grade, class III 50 Pcs 2.00 mm; 50
Pcs 2.50 mm; 50 Pcs 3.00 mm; 50 Pcs 3.50
mm; 50 Pcs 4.00 mm; 50 Pcs 4.50 mm; 50 Pcs
5.00 mm; 30 Pcs 5.50 mm; 30 Pcs 6.00 mm; 20
Pcs 7.00 mm; 20 Pcs 8.00 mm.


0180
SPRING SET

8 a Compress. 12 Ext. 10Pc Comp. 9/32"x 1/2";
10Pc Ext.13/64"x 13/16"; 10Pc Comp. 3/8"x
5/8"; 10Pc Ext.5/16"x 1-1/8"; 10Pc Comp.
1/4"x 13/32"; 10Pc Ext.7/32"x 1"; 10Pc Comp.
3/8"x 3/4"; 10Pc Comp. 7/32"x 11/16"; 10Pc
Ext.1/4"x 7/8"; 10Pc Ext.5/16"x 1-1/4"; 10Pc
Ext.11/32"x 1-27/32"; 10Pc Ext.5/16"x 1-3/4";
10Pc Ext.9/32"x 2"; 10Pc Ext.5/32"x 3-1/8";
10Pc Comp. 23/64"x 1-3/8"; 10Pc Ext.3/16"x
1-3/4"; 10Pc Comp. 7/32"x 1-1/2"; 10Pc
Ext.9/32"x 1-1/2"; 10Pc Comp 9/32"x 3/4";
10Pc Ext.11/32"x 1-7/16".

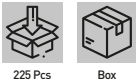
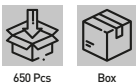

0299/P
O-RING SET IN INCHES

Assortment made of high quality NBR nitrile rubber, heat resistant, oil resistant, gas resistant.



**0177****O-RING SET**

10 Pcs 3/32" x 15/64"; 20 Pcs 1/8" x 1/4"; 20 Pcs 5/32" x 9/32"; 20 Pcs 3/16" x 5/16"; 15 Pcs 7/32" x 11/32"; 15 Pcs 1/4" x 3/8"; 10 Pcs 9/16" x 3/4"; 10 Pcs 5/8" x 13/16"; 10 Pcs 11/16" x 7/8"; 10 Pcs 3/4" x 15/16"; 10 Pcs 3/4" x 1"; 10 Pcs 13/16" x 11/16"; 15 Pcs 5/16" x 7/16"; 10 Pcs 3/8" x 1/2"; 10 Pcs 5/8" x 3/4"; 10 Pcs 3/8" x 9/16"; 10 Pcs 7/16" x 5/8"; 10 Pcs 1/2" x 11/16".

**0876****NYLON CABLE TIE SET**

| | |
|---------|--------------|
| 300 Pcs | 2,5 x 100 mm |
| 200 Pcs | 3,6 x 150 mm |
| 150 Pcs | 4,8 x 200 mm |

0465**RUBBER GROMMET ASSORTMENT**

Grommets sizes: 5 Pcs - D 21 mm - ID 15 mm - OD 26 mm - T 2,2 mm 40 Pcs - D 9 mm - ID 6 mm - OD 13 mm - T 2,1 mm 5 Pcs - D 15 mm - ID 12 mm - OD 19 mm - T 1,9 mm 40 Pcs - D 5,8 mm - ID 2,5 mm - OD 7,9 mm - T 1,8 mm 40 Pcs - D 7,5 mm - ID 4,8 mm - OD 9,8 mm - T 1,8 mm 20 Pcs - D 12 mm - ID 10,5 mm - OD 15 mm - T 1,8 mm 25 Pcs - D 11 mm - ID 8,5 mm - OD 14,5 mm - T 1,5 mm 5 Pcs - D 25 mm - ID 18 mm - OD 32 mm - T 1,5 mm.

**0307/1****GLASS FUSE SET**

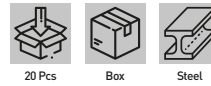
Fast: 10 x 1A F1, 10 x 1.25A F1, 10 x 1.6A F1, 10 x 2A F1, 10 x 2.5A F1, 10 x 4A F1, 10 x 5A F1, 10 x 6.3A F1, 10 x 10A F1, time delay: 10 x 1A F1 T, 10 x 1.25A F1 T, 10 x 1.6A F1 T, 10 x 2A F1 T, 10 x 2.5A F1 T, 10 x 4A F1 T, 10 x 5A F1 T, 10 x 6.3A F1 T, 10 x 10A F1 T.



| | |
|------------|-----------|
| Dimensions | 5 x 20 mm |
|------------|-----------|

0261**HOSE CLIP SET**

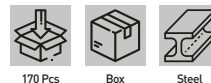
2 Pcs 12.8x0.9x50-70 mm; 4 Pcs 12.8x0.9x35-50 mm; 8 Pcs 12.8x0.9x25-40 mm; 6 Pcs 10x0.8x12-22 mm.



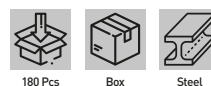
| | |
|------------|---|
| Dimensions | 10 x 0,8 x 12-22 mm ; 12,8 x 0,9 x 25-40 mm ; 12,8 x 0,9 x 35-50 mm ; 12,8 x 0,9 x 50-70 mm |
|------------|---|

0398**SCREW AND U TYPE CUSHIONS ASSORTMENT**

Screws: 3x8 mm 40Pcs 4x16 mm 20Pcs 5x12 mm 15Pcs 6x20 mm 10Pcs U clips: 3 mm 20Pcs 4 mm with notch 20Pcs 4 mm 20Pcs 5 mm 15Pcs 6 mm 10Pcs.

**0468****CONNECTING PLATE AND SCREW ASSORTMENT**

4 Pcs Assembly square: 25x25x16x2.0 mm 8 Pcs Assembly square: 40x40x16x2.0 mm 4 Pcs Assembly square: 60x60x16x2.0 mm 4 Pcs L Assembly square: 75x75x16x2.0 mm 4 Pcs L Flat angle plate: 40x40x12x2.0 mm 4 Pcs L Flat angle: 60x60x12x2.0 mm 4 Pcs Flat plate Connector: 80x15x2.0 mm 4 Pcs Flat plate Connector: 40x15x2.0 mm 144 Pcs screws: 3x16 mm.

**0307/2****GLASS FUSE SET**

Time delay: 10 Pcs 100mA T, 10 Pcs 160mA T, 10 Pcs 200mA T, 10 Pcs 250mA T, 10 Pcs 315mA T, 10 Pcs 400mA T, 10 Pcs 500mA T, 10 Pcs 630mA T, 10 Pcs 800mA T, fast: 10 Pcs 100mA F, 10 Pcs 160mA F, 10 Pcs 200mA F, 10 Pcs 250mA F, 10 Pcs 315mA F, 10 Pcs 400mA F, 10 Pcs 500mA F, 10 Pcs 630mA F, 10 Pcs 800mA F.



| | |
|------------|-----------|
| Dimensions | 5 x 20 mm |
|------------|-----------|

0317
CAR FUSE SET

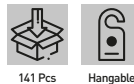
3A 15 Pcs, 5A 15 Pcs, 7.5A 15 Pcs, 10A 15 Pcs, 15A 15 Pcs, 20A 15 Pcs, 25A 15 Pcs, 30A 15 Pcs, Fuse puller 1 Pc.



Dimensions 19.1 x 5.1 x 18.5 mm

0318
CAR FUSE SET

2 AMP x 10 pz; 3 AMP x 10 pz; 4 AMP x 10 pz; 5 AMP x 10 pz; 7.5 AMP x 20 pz; 10 AMP x 10 pz; 15 AMP x 20 pz; 20 AMP x 20 pz; 25 AMP x 20 pz; 30 AMP x 10 pz; Fuse Puller x 1



Dimensions 10.9 x 3.6 x 16.3 mm

0293
INSULATED TERMINAL SET

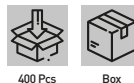
15 Pcs FDD1-110 2.8x0.5/0.8 mm; 15 Pcs FDD1-187 4.75x0.5/0.8 mm; 10 Pcs FDD2-187 6.35x0.5/0.8 mm; 15 Pcs FDD1-250 4.75x0.5/0.8 mm; 10 Pcs FDD2-250 6.35x0.8 mm; 10 Pcs FDD5-250 6.35x0.8 mm; 10 Pcs BV1; 10 Pcs BV2; 10 Pcs BV5; 10 Pcs MDD1-250; 10 Pcs MDD2-250; 10 Pcs MDD5-250; 10 Pcs SVL1.25-3.7; 10 Pcs SVL1.25-4; 10 Pcs SVL1.25-5.3; 10 Pcs SVM2-4; 10 Pcs SVS2-5; 10 Pcs SVL5-4; 10 Pcs SVL5.5-4.


0380
PVC SHRINKABLE TUBE ASSORTMENT

30 Pcs 5/64"x1-9/16"; 25 Pcs 3/32"x1-9/16"; 20 Pcs 1/8"x1-9/16"; 30 Pcs 3/16"x1-9/16"; 16 Pcs 9/32"x3-1/8"; 8 Pcs 3/8"x3-1/8"; 8 Pcs 1/2"x3-3/8".


0877
END TERMINAL SET

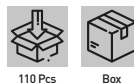
50 Pcs 0.5 mm²; 100 Pcs 0.75 mm²; 100 Pcs 1.0 mm²; 100 Pcs 1.5 mm²; 50 Pcs 2.5 mm².



| | |
|-----------|----------------------------|
| White end | 50 x 0,5 mm ² |
| Grey end | 100 x 0,75 mm ² |
| Red end | 100 x 1 mm ² |
| Black end | 100 x 1,5 mm ² |
| Blue end | 50 x 2,5 mm ² |

0176
GREASE FITTING SET

Pcs. 35 straight M6x1; Pcs. 15 Straight 1/8"-27; Pcs. 5 45° 1/8"-27; Pcs. 5 45° M6x1; Pcs. 10 45° M8x1; Pcs. 5 45° M10x1; Pcs. 10 Straight M10x1; Pcs. 10 Straight M8x1; Pcs. 5 90° M6x1; Pcs. 5 90° M8x1; Pcs. 5 90° M10x1.


SR44W
BATTERIES FOR DIGITAL INSTRUMENTS


| | |
|---------|-------|
| Voltage | 1,5 V |
| Pack | 10 |


CR20X
BATTERIES FOR DIGITAL INSTRUMENTS

| Art. | Voltage | Pack |
|--------|---------|------|
| CR2025 | 3 V | 10 |
| CR2032 | 3 V | 10 |





0678

POLYURETHANE FOAM GUN

Mount and foam adjustment.



Box

Length

290 mm

0085

9" HEAVY DUTY CAULKING GUN



Nickel plated



0521

9" HEAVY DUTY CAULKING GUN



Nickel plated



0234

9" REINFORCED CAULKING GUN SKELETON TYPE EXAGONAL ROD



Steel



0091

9" RATCHET CAULKING GUN BARREL TYPE



0604

9" EPOXY SEAL CAULKING GUN 345 ML AND 235 ML



Nickel plated



0861

9" EPOXY SEAL CAUL KING GUN



Nickel plated

0820-

SQUARE TROWELS



Steel



| Art. | Length |
|---------|--------|
| 0820/18 | 180 mm |
| 0820/20 | 200 mm |

0822

PLASTERING TROWEL WITH ABS HANDLE



Steel



| Length | 280 x 120 mm |
|--------|--------------|
| | |

0184-

PUTTY KNIFE WITH CLIPPED PLASTIC HANDLE MIRROR POLISH



INOX

| Art. | Blade dimensions |
|---------|------------------|
| 0184/01 | 30 x 90h mm |
| 0184/02 | 50 x 95h mm |
| 0184/03 | 75 x 100h mm |
| 0184/04 | 100 x 100h mm |

P. 482

0819-

BRICKLAYING TROWELS ROUND NOSE



Steel



| Art. | Length |
|---------|--------|
| 0819/18 | 180 mm |
| 0819/20 | 200 mm |

0821/14

BRICKLAYING TROWEL ROUND NOSE



Steel



| Length | 140 mm |
|--------|--------|
| | |

0823

NOTCHED TROWEL WITH ABS HANDLE



Steel



| Length | 280 x 120 mm |
|--------|--------------|
| | |

0606

POLYETHYLENE BUCKET



| Dimensions | ø 360 x 240h mm |
|------------|-----------------|
| Capacity | 14 l |



0043

RED AND WHITE SIGNAL TAPE



| | |
|--------|-------|
| Length | 200 m |
| Height | 70 mm |

0747

PPL TAPE HAVANA COLOR



| | |
|-----------------|--------------|
| Belt dimensions | 50 mm x 66 m |
| Pack | 6 |

PVC300/125

PPL FILM



| | |
|------------|----------------|
| Dimensions | 0,125h x 100 m |
| Thickness | 20 µm |
| Pack | 48 |

PVC300

PPL FILM



| | |
|------------|--------------|
| Dimensions | 0,5h x 300 m |
| Thickness | 23 µm |
| Pack | 6 |

0103

TAPE FILM DISPENSER



Box

0760

STRETCH FILM HANDLE DISPENSER



0748

PPL FILM HANDLE DISPENSERS



028X

POLYETHYLENE PROTECTION COVER SHEET, TWO-COLOUR GRAY - BLUE

Protected to uv rays, woven polyethylene tarpaulin 140/150 g/m², eyelets every 50cm.



| Art. | Dimensions | Net weight |
|------|---------------|------------|
| 0281 | 2,86 x 1,90 m | 0,9 kg |
| 0282 | 4 x 5 m | 2,8 kg |
| 0283 | 5 x 8 m | 5,6 kg |
| 0284 | 6 x 10 m | 8 kg |

C980/CC01

TOOL ROLLING CABINET WITH TOOLS



72 Pcs

| | |
|---------------------|---|
| Included foam trays | TM01/002, TM01/005, TM01/008, TM01/009, TM01/020, TM01/029, TM01/042 |
| Tool cabinet size | 890 x 530 x 1030h mm |
| Drawer capacity | 25 kg |
| Drawer dimensions | 565 x 405 mm |
| Drawers height | 3 x 50 mm - 3 x 105 mm - 1 x 165 mm |

C960/AM01

TOOL ROLLING CABINET WITH AUTOMOTIVE TOOLS



UPGRADE



142 Pcs

| | |
|---------------------|------------------------------|
| Included foam trays | TM01/047, TM01/048, TM01/049 |
| Dimensions | 770 x 460 x 985h mm |
| Drawer dimensions | 566 x 405 mm |
| Drawers height | 6 x 68 mm - 1 x 199 mm |
| Drawer capacity | 6 x 25 kg - 1 x 40 kg |



C960/CC01

TOOL ROLLING CABINET WITH TOOLS



159 Pcs

| | |
|---------------------|--|
| Included foam trays | TM01/002, TM01/010, TM01/012, TM01/014, TM01/016, TM01/018, TM01/023, TM01/025, TM01/030, TM01/033, TM01/042 |
| Dimensions | 770 x 460 x 985h mm |
| Drawer dimensions | 566 x 405 mm |
| Drawers height | 6 x 68 mm - 1 x 199 mm |
| Drawer capacity | 6 x 25 kg - 1 x 40 kg |

UPGRADE



C960/CC03

TOOL ROLLING CABINET WITH TOOLS

NEW



253 Pcs

| | |
|---------------------|------------------------------|
| Included foam trays | TM01/068, TM01/069, TM01/070 |
| Dimensions | 770 x 460 x 985h mm |
| Drawer dimensions | 566 x 405 mm |
| Drawers height | 6 x 68 mm - 1 x 199 mm |
| Drawer capacity | 6 x 25 kg - 1 x 40 kg |



C960/CC04

NEW

TOOL ROLLING CABINET WITH TOOLS



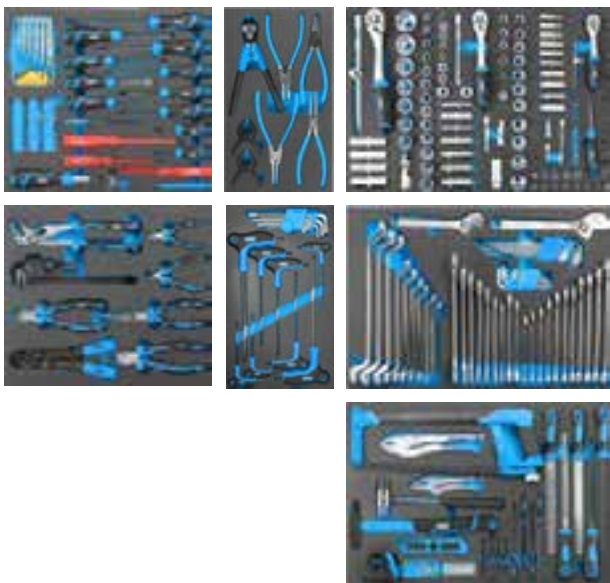
219 Pcs

| | |
|---------------------|--|
| Included foam trays | TM01/058, TM01/063, TM01/064, TM01/061 |
| Dimensions | 770 x 460 x 985h mm |
| Drawer dimensions | 566 x 405 mm |
| Drawers height | 6 x 68 mm - 1 x 199 mm |
| Drawer capacity | 6 x 25 kg - 1 x 40 kg |

C960CA

NEW

TOOL ROLLING CABINET WITH TOOLS



290 Pcs

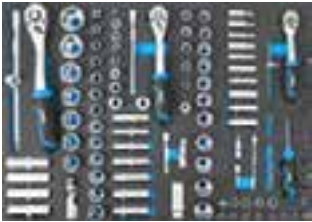
| | |
|---------------------|---|
| Included foam trays | C960/1A, C960/2A, C960/3A, C960/4A, C960/5A, C960/7A, C960/8A |
| Dimensions | 770 x 460 x 985h mm |
| Drawer dimensions | 566 x 405 mm |
| Drawers height | 6 x 68 mm - 1 x 199 mm |
| Drawer capacity | 6 x 25 kg - 1 x 40 kg |



C960C3C

NEW

TOOL ROLLING CABINET WITH TOOLS

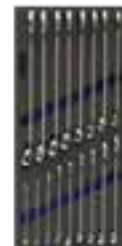


235 Pcs

| | |
|---------------------|---------------------------|
| Included foam trays | C960/1A, C960/3A, C960/4A |
| Dimensions | 770 x 460 x 985h mm |
| Drawer dimensions | 566 x 405 mm |
| Drawers height | 6 x 68 mm - 1 x 199 mm |
| Drawer capacity | 6 x 25 kg - 1 x 40 kg |

C900/CC01

TOOL ROLLING CABINET WITH TOOLS



UPGRADE



113 Pcs

| | |
|---------------------|--|
| Included foam trays | TM01/001, TM01/012, TM01/014, TM01/020, TM01/022, TM01/024, TM01/042 |
| Tool cabinet size | 744 x 461 x 964h mm |
| Drawer dimensions | 569 x 406 mm |
| Drawers height | 4 x 45 mm - 1 x 145 mm - 1 x 225 mm |
| Drawer capacity | 25 kg |

C900/CC03

NEW

TOOL ROLLING CABINET WITH TOOLS



253 Pcs

| | |
|---------------------|-------------------------------------|
| Included foam trays | TM01/068, TM01/069, TM01/070 |
| Dimensions | 744 x 461 x 964h mm |
| Drawer dimensions | 569 x 406 mm |
| Drawers height | 4 x 45 mm - 1 x 145 mm - 1 x 225 mm |
| Drawer capacity | 25 kg |

C900/CC04

NEW

TOOL ROLLING CABINET WITH TOOLS



219 Pcs

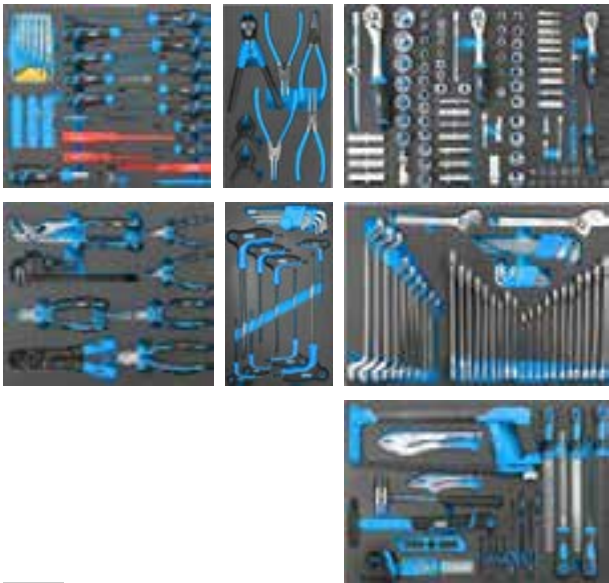
| | |
|---------------------|--|
| Included foam trays | TM01/058, TM01/063, TM01/064, TM01/061 |
| Dimensions | 744 x 461 x 964h mm |
| Drawer dimensions | 569 x 406 mm |
| Drawers height | 4 x 45 mm - 1 x 145 mm - 1 x 225 mm |
| Drawer capacity | 25 kg |



C900CA

NEW

TOOL ROLLING CABINET WITH TOOLS



290 Pcs

| | |
|---------------------|---|
| Included foam trays | C960/1A, C960/2A, C960/3A, C960/4A, C960/5A, C960/7A, C960/8A |
| Dimensions | 744 x 461 x 964h mm |
| Drawer dimensions | 569 x 406 mm |
| Drawers height | 4 x 70 mm - 1 x 145 mm - 1 x 225 mm |
| Drawer capacity | 25 kg |

C900C3C

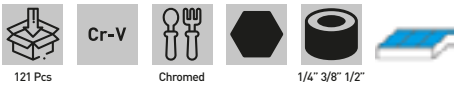
NEW

TOOL ROLLING CABINET WITH TOOLS

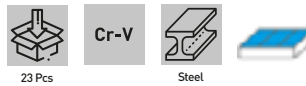


235 Pcs

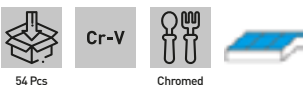
| | |
|---------------------|-------------------------------------|
| Included foam trays | C960/1A, C960/3A, C960/4A |
| Dimensions | 744 x 461 x 964h mm |
| Drawer dimensions | 569 x 406 mm |
| Drawers height | 4 x 70 mm - 1 x 145 mm - 1 x 225 mm |
| Drawer capacity | 25 kg |

C960/1A
NEW
TOOLS IN FOAM TRAY FOR ROLLING CABINETS


| | |
|-----------------------|--|
| Sockets with bits | 1/4" - H3-H4-H5-H6; PH1-PH2-PH3; SL4-5.5-6.5; T8-T10-T15-T20-T30-T50 |
| Ratchet handles | 1/4", 3/8", 1/2" |
| Socket handle | 1/4" |
| Socket | 1/4", 1/2" |
| Joints | 1/4", 3/8", 1/2" |
| Sliding T-bar | 1/4", 3/8", 1/2" |
| Extension bars | 1/4", 3/8", 1/2" |
| 1/4" Dr. sockets | Hexagonal 4-4.5-5-5.5-6-7-8-9-10-11-12-13 mm |
| 3/8" Dr. sockets | Hexagonal 8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-24 mm Polygonal E8-E10-E11-E12-E14-E16-E18-E20 |
| 1/2" Dr. sockets | Hexagonal 8-9-10-11-12-13-14-15-16-17-18-19-20 -21-22-23-24-27-30-32 mm |
| 1/2" Dr. deep sockets | Hexagonal 14-15-17-19 mm |
| 1/4" Dr. deep sockets | Hexagonal 4-5-6-7-8-9-10-11-12-13 mm |
| Bits | SL3-4-5-6 mm; PZ0-PZ1-PZ2-PZ3; PH0-1-2-3 |

C960/2A
NEW
TOOLS IN FOAM TRAY FOR ROLLING CABINETS


| | |
|----------------|----------------------------|
| Utility knife | 1 (+10 blades) |
| Center punches | 1/32 - 2/32 - 3/32 - 4/32 |
| Precision tape | 5m/16ft |
| File | 9 Pcs |
| Locking pliers | 170 mm - 250 mm / 7" - 10" |
| Mallet | 1 Pc |
| German hammer | 1 Pc |
| Mini hacksaw | 1 Pc |
| Kit | Screws - Dowels |

C960/3A
NEW
TOOLS IN FOAM TRAY FOR ROLLING CABINETS


| | |
|------------------------|---|
| Double open end wrench | 6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17-18x19 - 20x22 - 21x23 - 24x27 mm |
| Ring spanners | 6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 - 18x19 - 20x22 - 21x23 - 24x27 mm |
| Combination spanner | 10-11-12-13-14-15-16-17-18-19-21-24 mm |
| Ratchet gear wrenches | 13-14 mm |
| Hex keys | 1.5 - 2 - 2.5 - 3 - 4 - 5 - 6 - 8 - 10 mm |
| Adjustable wrenches | 8" - 10" |





C960/4A

NEW

TOOLS IN FOAM TRAY FOR ROLLING CABINETS



Cr-V



60 Pcs

Screwdrivers

SL 3x75 - 5x75 - 6x38 - 3x100 PH 3x75 - 5x75 - 6x38 - 3x100 - 6x100 mm - 6x10 - 8x150 mm

Electrician screwdrivers

SL 4x100, SL 5.5x125, PH 4x10

Precision screwdriver

6 Pcs

Circuit tester Screwdriver

100-250V

Magnet

Extendable

Accessories

Y bit

C960/5A

NEW

TOOLS IN FOAM TRAY FOR ROLLING CABINETS



Cr-V



8 Pcs

Chromed

Long nose pliers

120 mm - 200 mm / 5" - 8"

Crimping pliers

1 Pc

Cutters

115 mm - 200 mm / 4,5" - 8"

Combination plier

1 Pc

Water pump pliers

250 mm / 10"

Pipe Wrench

250 mm / 10"

C960/7A

NEW

TOOLS IN FOAM TRAY FOR ROLLING CABINETS



Cr-V



17 Pcs

Chromed

Ball point hex key

T10-T15-T20-T25-T27-T30-T40-T45-T50

T handle

2x100, 2.5x100, 3x100, 4x150, 5x150, 6x150, 8x200, 10x200 mm

C960/8A

NEW

TOOLS IN FOAM TRAY FOR ROLLING CABINETS



Cr-V



7 Pcs

Chromed

Cutters

200 mm / 8"

Clamps

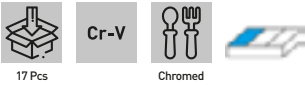
90 mm / 3.5"

Pliers

Snap ring pliers

TM01/001

COMBINATION SPANNER SET IN FOAM TRAY



Dimensions 188 x 405 x 33 mm
 Sizes 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 - 21 - 22 mm
 Included items 0224/..

TM01/002

COMBINATION SPANNER SET IN FOAM TRAY



Dimensions 188 x 405 x 33 mm
 Sizes 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 - 21 - 22 mm
 Included items 0208/..

TM01/005

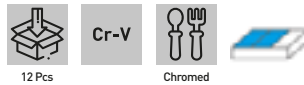
OPEN END WRENCHES SET IN FOAM TRAY



Dimensions 376 x 405 x 33 mm
 Sizes 6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 - 18x19 - 20x22 - 21x23 - 24x26 - 25x28 - 30x32 mm
 Included items 0222/..

TM01/006

OPEN END WRENCHES SET IN FOAM TRAY



Dimensions 376 x 405 x 33 mm
 Sizes 6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 - 18x19 - 20x22 - 21x23 - 24x26 - 25x28 - 30x32 mm
 Included items 0201/..

TM01/056

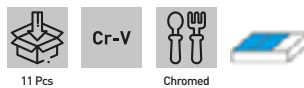
FOAM TRAY WITH ART. 0690 RATCHET SPANNER SET 8-19 MM



Dimensions 188 x 405 x 33 mm
 Sizes 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 mm
 Included items 0690/..

TM01/008

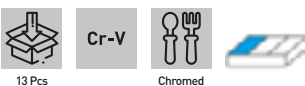
MALE T-HANDLE HEX WRENCH SET IN FOAM TRAY



Dimensions 376 x 405 x 33 mm
 Sizes 2 - 3 - 4 - 5 - 6 - 7 - 8 - 9 - 10 - 12 - 14 mm
 Included items 0400/..

TM01/009

MALE T-HANDLE TORX WRENCH SET IN FOAM TRAY



Dimensions 188 x 405 x 33 mm
 Sizes T6 - T7 - T8 - T9 - T10 - T15 - T20 - T25 - T27 - T30 - T40 - T45 - T50
 Included items 0405/..

TM01/010

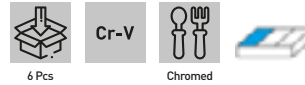
T HANDLE MAGNETIC SWIVEL HEX SOCKET SET IN FOAM TRAY



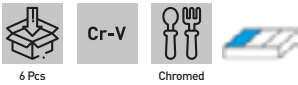
Dimensions 565 x 405 x 33 mm
 T handle 7 - 8 - 10 - 12 - 13 - 14 - 17 - 19 mm
 Hex keys 1,5 - 2 - 2,5 - 3 - 4 - 5 - 6 - 8 - 10 mm
 Torx Keys T10 - T15 - T20 - T25 - T27 - T30 - T40 - T45 - T50
 Included items C395/.. - 0215 - 0220

**TM01/011****T HANDLE MAGNETIC SWIVEL HEX SOCKET SET IN FOAM TRAY**

| | |
|----------------|---|
| Dimensions | 565 x 405 x 33 mm |
| T handle | 7 - 8 - 10 - 12 - 13 - 14 - 17 - 19 mm |
| Hex keys | 1,5 - 2 - 2,5 - 3 - 4 - 5 - 6 - 8 - 10 mm |
| Torx Keys | T10 - T15 - T20 - T25 - T27 - T30 - T40 - T45 - T50 |
| Included items | C391/.. - 0215 - 0220 |

TM01/012**TWO WAY HEX KEY WITH ANATOMIC PLASTIC HANDLE SET IN FOAM TRAY**

| | |
|----------------|----------------------|
| Dimensions | 188 x 405 x 33 mm |
| Sizes | 3 - 4 - 5 - 6 - 8 mm |
| Included items | 0856/.. |

TM01/014**TWO WAY TORX KEY WITH ANATOMIC PLASTIC HANDLE SET IN FOAM TRAY**

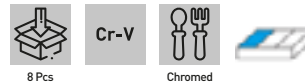
| | |
|----------------|-----------------------------------|
| Dimensions | 188 x 405 x 33 mm |
| Sizes | T10 - T15 - T20 - T25 - T30 - T40 |
| Included items | 0855/.. |

TM01/063**TOOLS SERIES FOR AUTOMOTIVE IN FOAM TRAY****NEW**

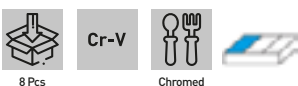
| | |
|----------------|---------------------|
| Dimensions | 565 x 405 x 33 mm |
| Included items | D883/... - D884/... |

TM01/068**TOOLS SERIES FOR AUTOMOTIVE IN FOAM TRAY****NEW**

| | |
|----------------|------------------------|
| Dimensions | 565 x 405 x 33 mm |
| Included items | 0215 - 0672 - 0224/... |

TM01/016**FLAT SCREWDRIVER SET IN FOAM TRAY**

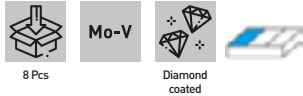
| | |
|-------------------------|--|
| Dimensions | 188 x 405 x 33 mm |
| Slotted screwdriver | 3 x 75 - 4 x 100 - 5 x 125 - 6 x 150 - 8 x 150 - 6 x 38 mm |
| Electrician screwdriver | 3 x 75 - 4 x 100 mm |
| Included items | C883/.. - C884/.. |

TM01/018**CROSSTIP SCREWDRIVER SET IN FOAM TRAY**

| | |
|-------------------|--|
| Dimensions | 188 x 405 x 33 mm |
| Cross screwdriver | PH 1 x 75 - PH 2 x 100 - PH 3 x 150 - PH 2 x 38 mm |
| Cross screwdriver | PZ 1 x 75 - PZ 2 x 100 - PZ 3 x 150 - PZ 2 x 38 mm |
| Included items | C882/.. - C885/.. |

TM01/020**MIXED SCREWDRIVER SET IN FOAM TRAY**

| | |
|---------------------|--|
| Dimensions | 188 x 405 x 33 mm |
| Slotted screwdriver | 3 x 75 - 4 x 100 - 5 x 125 - 6 x 150 - 6 x 38 mm |
| Cross screwdriver | PH 1 x 75 - PH 2 x 100 - PH 2 x 38 mm |
| Included items | C882/.. - C884/.. |

TM01/044
FLAT SCREWDRIVER SET WITH DIAMOND TIP IN FOAM TRAY


| | |
|-------------------------|--|
| Dimensions | 188 x 405 x 33 mm |
| Slotted screwdriver | 4 x 75 - 4 x 100 - 5 x 125 - 6 x 150 - 8 x 150 - 6 x 38 mm |
| Electrician screwdriver | 3 x 75 - 4 x 100 mm |
| Included items | D883/.. - D884/.. |

TM01/045
CROSSTIP SCREWDRIVER SET WITH DIAMOND TIP IN FOAM TRAY


| | |
|-------------------|--|
| Dimensions | 188 x 405 x 33 mm |
| Cross screwdriver | PH 1 x 75 - PH 2 x 100 - PH 3 x 150 - PH 2 x 38 mm |
| Cross screwdriver | PZ 1 x 75 - PZ 2 x 100 - PZ 3 x 150 - PZ 2 x 38 mm |
| Included items | D882/.. - D885/.. |

TM01/046
MIXED SCREWDRIVER SET WITH DIAMOND TIP IN FOAM TRAY


| | |
|---------------------|--|
| Dimensions | 188 x 405 x 33 mm |
| Slotted screwdriver | 3 x 75 - 4 x 100 - 5 x 125 - 6 x 150 - 6 x 38 mm |
| Cross screwdriver | PH 1 x 75 - PH 2 x 100 - PH 2 x 38 mm |
| Included items | D882/.. - D884/.. |

TM01/053
ADDITIONAL TOOLS SERIES FOR AUTOMOTIVE IN FOAM TRAY

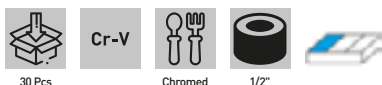

| | |
|----------------|---|
| Dimensions | 565 x 405 x 33 mm |
| Included items | L002/250 - 0136 - 0370/8 - 0368/10 - 0209 |

TM01/070
TOOLS SERIES FOR AUTOMOTIVE IN FOAM TRAY
NEW

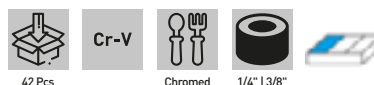

| | |
|----------------|-------------------------|
| Dimensions | 565 x 405 x 33 mm |
| Included items | 0173 - 0402 - BN4C3L... |

TM01/022
HEXAGONAL HAND SOCKET SET IN FOAM TRAY


| | |
|------------------|--|
| Dimensions | 188 x 405 x 33 mm |
| Socket | 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 - 21 - 22 - 23 - 24 - 25 - 26 - 27 - 28 - 29 - 30 - 32 mm |
| Extension bars | 75 - 250 mm |
| Adapter | Female 1/2", Male 3/8" |
| Universal joints | 46 mm |
| Sliding T-bar | 300 mm |
| Included items | BN4E3N0.. - CN450N1/2A |

TM01/023
BI-HEXAGONAL HAND SOCKET SET IN FOAM TRAY


| | |
|------------------|--|
| Dimensions | 188 x 405 x 33 mm |
| Socket | 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 - 21 - 22 - 23 - 24 - 25 - 26 - 27 - 28 - 29 - 30 - 32 mm |
| Extension bars | 75 - 250 mm |
| Adapter | Female 1/2", Male 3/8" |
| Universal joints | 46 mm |
| Sliding T-bar | 300 mm |
| Included items | BN4P3N0.. - CN450N1/2A |

TM01/024
HEXAGONAL HAND SOCKET SET IN FOAM TRAY


| | |
|------------------|--|
| Dimensions | 188 x 405 x 33 mm |
| 1/4" Dr. sockets | 4 - 5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 mm |
| 3/8" Dr. sockets | 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 - 21 - 22 mm |
| Included items | BN4E5N0.. - BN4E4N0.. - CN450N1/4A - CN450N3/8A - JN40.. - LN400N.. - PN405N.. - PN404N.. - BN4C4L.. |

**TM01/025****BI-HEXAGONAL HAND SOCKET SET IN FOAM TRAY**

42 Pcs

Cr-V



Chromed



1/4" | 3/8"



| | |
|-------------------------|--|
| Dimensions | 188 x 405 x 33 mm |
| 1/4" Dr. sockets | 4 - 5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 mm |
| 3/8" Dr. sockets | 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 - 21 - 22 mm |
| Included items | BN4P5N0.. - BN4P4N0.. - CN450N1/4A - CN450N3/8A - JN40.. - LN400N.. - PN405N.. - PN404N.. - BN4C4L.. |

TM01/027**NUT DRIVER SET IN FOAM TRAY**

7 Pcs

Cr-V



Chromed



| | |
|-----------------------|-----------------------------------|
| Dimensions | 188 x 405 x 33 mm |
| Sizes | 5,5 - 6 - 7 - 8 - 10 - 12 - 13 mm |
| Included items | CB01/.. |

TM01/029**FLEXIBLE NUT DRIVER SET IN FOAM TRAY**

7 Pcs

Cr-V

Cr-Mo



Chromed



| | |
|-----------------------|---|
| Dimensions | 188 x 405 x 33 mm |
| Sizes | 5,5 - 6 - 7 - 8 - 10 - 12 - 13 mm |
| Included items | CBF1/.. |
| Dimensions | 188 x 405 x 33 mm |
| Sizes | Ø2x140 - Ø3x150 - Ø4x180 - Ø5x220 - Ø6x210 - Ø7x210 - Ø8x220 mm |
| Included items | C015/.. |

TM01/031**RING SPANNER SET IN FOAM TRAY**

4 Pcs

Cr-V



Chromed



| | |
|-----------------------|----------------------------------|
| Dimensions | 188 x 405 x 33 mm |
| Sizes | 21x23 - 24x27 - 25x28 - 30x32 mm |
| Included items | 0476/.. |

TM01/026**INSULATED SCREWDRIVER SET IN FOAM TRAY**

8 Pcs

Mo-V



| | |
|--------------------------------------|--|
| Dimensions | 188 x 405 x 33 mm |
| Slotted insulated screwdriver | 3 x 100 - 4 x 100 - 5,5 x 125 - 6,5 x 150 mm |
| Cross insulated screwdriver | PH 0 x 60 - PH 1 x 80 - PH 2 x 100 mm |
| Included items | C182/.. - C183/.. - 0013/142 |

TM01/028**NUT DRIVER SET IN FOAM TRAY**

7 Pcs

Cr-V



Chromed



| | |
|-----------------------|-----------------------------------|
| Dimensions | 188 x 405 x 33 mm |
| Sizes | 5,5 - 6 - 7 - 8 - 10 - 12 - 13 mm |
| Included items | CB02/.. |

TM01/030**RING SPANNER SET IN FOAM TRAY**

8 Pcs

Cr-V



Chromed



| | |
|-----------------------|--|
| Dimensions | 188 x 405 x 33 mm |
| Sizes | 6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 - 18x19 - 20x22 mm |
| Included items | 0476/.. |

TM01/032**COMBINATION SPANNER SET IN FOAM TRAY**

4 Pcs

Cr-V



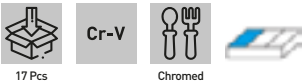
Chromed



| | |
|-----------------------|----------------------|
| Dimensions | 188 x 405 x 33 mm |
| Sizes | 24 - 27 - 30 - 32 mm |
| Included items | 0224/.. |

TM01/033
COMBINATION SPANNER SET IN FOAM TRAY


| | |
|----------------|----------------------|
| Dimensions | 188 x 405 x 33 mm |
| Sizes | 24 - 27 - 30 - 32 mm |
| Included items | 0208/.. |

TM01/036
HEXAGONAL TUBULAR SOCKET AND FLARE NUT WRENCH SET IN FOAM TRAY


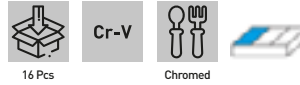
| | |
|--------------------|--|
| Dimensions | 188 x 405 x 33 mm |
| Tubular sockets | 6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 - 18x19 - 20x22 mm |
| Flare nit wrenches | 100 - 6x7, 115 - 8x9, 130 - 10x11, 145 - 12x13, 160 - 14x15, 170 - 16x17, 185 - 18x19 - 205 - 20x22 mm |
| Included items | 0540/.. - 0134S |

TM01/037
DRIFT PIN SET IN FOAM TRAY


| | |
|----------------|---|
| Sizes | Ø2x140 - Ø3x150 - Ø4x180 - Ø5x220 - Ø6x210 - Ø7x210 - Ø8x220 mm |
| Included items | C015/.. |

TM01/064
NEW
TOOLS SERIES FOR AUTOMOTIVE IN FOAM TRAY

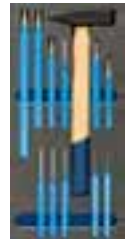

| | |
|----------------|--|
| Dimensions | 565 x 405 x 33 mm |
| Included items | 0873/BD8 - 0873/U8 - 0873/TL - 0246 - 0248 - 0247 - 0249 - 0154/500DIN - 0839/40 - 0118 - B006/4 - S022/18 - C012/04 |

TM01/035
HEXAGONAL TUBULAR SOCKET AND FLARE NUT WRENCH SET IN FOAM TRAY


| | |
|--------------------|--|
| Dimensions | 188 x 405 x 33 mm |
| Tubular sockets | 6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 - 18x19 - 20x22 mm |
| Flare nit wrenches | 100 - 6x7, 115 - 8x9, 130 - 10x11, 145 - 12x13, 160 - 14x15, 170 - 16x17, 185 - 18x19 - 205 - 20x22 mm |
| Included items | 0442/.. - 0134S |

TM01/069
NEW
TOOLS SERIES FOR AUTOMOTIVE IN FOAM TRAY


| | |
|----------------|--|
| Dimensions | 565 x 405 x 33 mm |
| Included items | 0096/L - 0154/300DIN - 0617 - 0831/250 - 0839/40 - 0873/BD6 - 0873/TL - 0873/U6 - C012/.. - F2G5 |

TM01/038
DRIFT PIN SET WITH HAMMER IN FOAM TRAY


| | |
|----------------|---|
| Dimensions | 188 x 405 x 33 mm |
| Pin punch | Ø2x150 - Ø3x150 - Ø4x150 - Ø5x150 - Ø6x150 - Ø7x150 - Ø8x150 mm |
| Center punches | 4x120 - 5x150 mm |
| Chisel | 18x150 - 21x200 - 25x250 mm |
| German hammer | 400g |
| Included items | C012/.. - B006/.. - S022/.. - 0154/400DIN |

TM01/042
PLIER SET IN FOAM TRAY


| | |
|--------------------------|---|
| Dimensions | 188 x 405 x 33 mm |
| Combination plier | 180 mm |
| Diagonal cutting nippers | 160 mm |
| Bent long nose pliers | 160 mm |
| Long nose pliers | 160 mm |
| Included items | 0873/U7 - 0873/BD6 - 0873/BC6 - 0873/TL |



TM01/043

HEXAGONAL IMPACT SOCKET SET IN FOAM TRAY

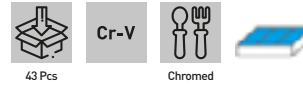


| | |
|----------------|---|
| Dimensions | 188 x 405 x 33 mm |
| Socket | 10 - 11 - 12 - 13 - 14 - 16 - 17 - 18 - 19 - 21 - 22 - 23 - 24 mm |
| Extension bars | 75 - 150 - 250 mm |
| Included items | BI4E3N.. - PI453.. |

TM01/047

NEW

TOOLS SERIES FOR AUTOMOTIVE IN FOAM TRAY

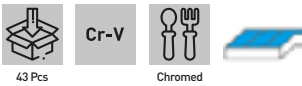


| | |
|----------------|----------------------------|
| Dimensions | 565 x 405 x 33 mm |
| Included items | 0084/250 - 0190 - 0201/... |

TM01/048

NEW

TOOLS SERIES FOR AUTOMOTIVE IN FOAM TRAY

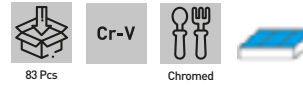


| | |
|----------------|-------------------|
| Dimensions | 565 x 405 x 33 mm |
| Included items | |

TM01/049

NEW

TOOLS SERIES FOR AUTOMOTIVE IN FOAM TRAY



| | |
|----------------|------------------------------|
| Dimensions | 565 x 405 x 33 mm |
| Included items | 0402 - 0839/40 - BN413NX ... |

TM01/050

MEASURING INSTRUMENTS FOR AUTOMOTIV IN FOAM TRAY



| | |
|----------------|---|
| Dimensions | 565 x 405 x 33 mm |
| Included items | C033/150 - C004 - 0212 - C058 - F685 - T053 - C070 - 0312 |

TM01/052

PNEUMATIC SERIES FOR AUTOMOTIVE IN FOAM TRAY



| | |
|----------------|--|
| Dimensions | 565 x 405 x 33 mm |
| Included items | AP03 - BI4E3Nx - PI453150 - 0341 - JI403N - 0608 |

TM01/054

EMPTY FOAM TRAY 2 SLOTS FOR A007/16 CABINET



| | |
|---------------------|----------------------|
| External Dimensions | 155 x 405 x 33 mm |
| Internal dimensions | 2: 103 x 166 x 25 mm |

TM01/055

EMPTY FOAM TRAY 3 SLOTS FOR A007/16 CABINET



| | |
|---------------------|----------------------|
| External Dimensions | 155 x 405 x 33 mm |
| Internal dimensions | 3: 103 x 104 x 25 mm |

TM01/100

EMPTY FOAM TRAY FOR SMALL ITEMS



Dimensions

188 x 405 x 33 mm

TM01/110

EMPTY FOAM TRAY FOR SMALL ITEMS



Dimensions

376 x 405 x 33 mm

TM01/120

EMPTY FOAM TRAY FOR SMALL ITEMS



Dimensions

564 x 405 x 33 mm



**0165****TOOL BOX WITH ACCESSORIES**

175 tools and accessories made of light chrome vanadium metal. Suitcase with wheels and extendable handle.



175 Pcs



Box

Cr-V

| | |
|------------------------------|---|
| Ratchet handles | 1/4" - 1/2" |
| 1/2" Dr. spark plug sockets | 16 mm - 21 mm |
| Gear Reduction ratio | 1/2" (M) - 3/8" (F) |
| Ratchet bit handle | 1/4" |
| 1/4" Dr. sockets | 4-4,5-5-5,5-6-7-8-9-10-11-12-13 mm |
| Spinner handle | 1/4" |
| 1/2" Dr. sockets | 10-11-12-13-14-15-16-17-18-19-20-21-22 23-24-27-30 mm |
| Sliding bars | 1/4" - 1/2" |
| 1/4" Dr. socket-bars | 50 - 100 mm |
| Universal joints | 1/4" - 1/2" |
| Flexible bar | 1/4" - 150 mm |
| Ball point long nose hex key | 1,5-2-2,5-3-4-5-6-8-10 mm |
| Electric tester | 100 ÷ 250 V |
| Precision screwdrivers | (-) 1 - 1,4 - 1,8 - 2,4 - (+) 0 - 1 |
| Pliers | 200 - 180 - 160 mm |
| Adjustable wrench | 200 mm |
| Water pump pliers | 250 mm |
| Combination spanner | 6-8-10-11-12-13-14-15-17-19 mm |
| German hammer | 300 g |
| Precision tape | 5 m |
| Mini hacksaw | 1 |
| Magnetic level | 250 mm |
| Aluminum flashlight | 1 |
| Crimping pliers | 200 mm |
| Terminals | 50 |
| Utility knife | 1 |
| Locking pliers | 175 mm |
| PVC tape | 1 |
| Pickup tools with magnet | 1 |
| Vernier caliper | 150 mm |
| Electrician screwdrivers | (-) 5 x 125 - 4 x 100 - (+) 3 x 75 mm |
| Screwdrivers | (-) 3 x 75 - 3 x 100 - 5 x 75 - 6 x 38 - 6 x 100 mm (+) 3 x 75 - 3 x 100 - 5 x 75 - 6 x 38 - 6 x 100 - 8 x 150 mm |
| Magnetic bit holder | 1 |
| Bits | 25 1/4" |
| Plastic case size | 500 x 440 x 200/270 mm trolley mm |
| Trolley | 1 |
| Net weight | 15 kg |

**0315****TOOL BOX WITH ACCESSORIES**

Ergonomic suitcase handle.



132 Pcs



Box

Cr-V

| | |
|--------------------------|---|
| Ball point hex key | 1,5 - 2 - 2,5 - 3 - 4 - 5 - 6 - 8 - 10 mm |
| Electric tester | 100 ÷ 250 V |
| Precision screwdrivers | (-) 1 - 1,4 - 1,8 - 2,4 - (+) 0 - 1 |
| Pliers | 200 - 180 - 160 mm |
| Adjustable wrench | 250 mm |
| Water pump pliers | 250 mm |
| Combination spanner | 6 - 8 - 10 - 11 - 12 - 13 - 14 - 15 - 17 - 19 mm |
| German hammer | 300 g |
| Precision tape | 5 m |
| Mini hacksaw | 1 |
| Magnetic level | 250 mm |
| Aluminum flashlight | 1 |
| Crimping pliers | 200 mm |
| Terminals | 50 |
| Utility knife | 1 |
| Locking pliers | 175 mm |
| PVC tape | 1 |
| Pickup tools with magnet | 1 |
| Vernier caliper | 150 mm |
| Electrician screwdrivers | (-) 5 x 125 - 4 x 100 - (+) 3 x 75 mm |
| Screwdrivers | (-) 3 x 75 - 3 x 100 - 5 x 75 - 6 x 38 - 6 x 100 mm (+) 3 x 75 - 3 x 100 - 5 x 75 - 6 x 38 - 6 x 100 - 8 x 150 mm |
| Magnetic bit holder | 1 |
| Bits | 25 - 1/4" |
| Plastic case size | 500 x 440 x 150 mm |
| Net weight | 9 kg |



0105T
TOOL TROLLEY WITH ACCESSORIES



162 Pcs



Box

Cr-V

| | |
|-------------------------------|--|
| Ball point hex key | 1,5-2-2,5-3-4-5-6-8-10 mm |
| Screwdrivers | (-) 5 x 75 - 6 x 100 mm - (+) 1 x 75 - 2 x 100 mm |
| Electric tester | 100 ÷ 250 V |
| Precision screwdrivers | (-) 2 x 140 - 2,4 x 140 - 3 x 140 - (+) 00 x 140 mm - 0 x 140 mm |
| Pliers | 160 mm |
| Adjustable wrench | 200 mm |
| Diagonal cutting nippers | 160 mm |
| Long nose pliers | 160 mm |
| Tower pincers | 220 mm |
| Multipurpose scissors | 175 mm |
| Punches and chisel | 5 |
| Snap ring pliers with 4 heads | 4 |
| Water pump pliers | 240 mm |
| Combination spanner | 8-10-11-12-13-15-17-19-21 mm |
| 1/4" Dr. sockets | 4-4,5-5-5,5-6-7-8-9-10-11-12-13-14 mm |
| 1/2" Dr. sockets | 12-13-14-15-16-17-18-19-21-24-27-30-32 mm |
| Sliding T-bar | 1/4" |
| Universal joint | 1/4" - 1/2" |
| 1/4" Dr. socket-bars | 50 mm - 100 mm |
| 1/2" Dr. socket-bars | 125 mm - 250 mm |

| | |
|------------------------------------|--------------------|
| 3 way joint | 1 |
| Spark plug sockets sizes | 16 mm - 21 mm |
| Ratchet handles | 1/4" - 1/2" |
| File | 200 mm |
| German hammer | 300 g |
| Precision tape | 5 m |
| Mini hacksaw | 1 |
| Blade | 3 |
| Aluminum flashlight | 1 |
| Crimping pliers | 200 mm |
| Terminals | 35 |
| Utility knife | 1 |
| Level | 300 mm |
| Vernier caliper | 150 mm |
| Magnetic bit holder | 1 |
| Bits | 30 - 1/4" |
| Ratchet bit handle | 1 |
| Male adapter 1/4" Dr. and 1/4" hex | 1 |
| Case size | 470 x 350 x 135 mm |
| Net weight | 12 kg |

0110T
TOOL BOX WITH TROLLEY, TOOLS AND ACCESSORIES



135 Pcs



Box

Cr-V

| | |
|--------------------------|--|
| Ball point hex key | 1,5-2-2,5-3-4-5-6-8 mm |
| Screwdrivers | (-) 3 x 75 - 5 x 75 - 6 x 100 - 8 x 150 mm - (+) 0 x 75 - 1 x 75 |
| Precision screwdrivers | (-) 2,4 x 140 - (+) 00 x 140 mm - 0 x 140 mm |
| Pliers | 180 mm |
| Slip joint pliers | 150 mm |
| Diagonal cutting nippers | 115 mm |
| Long nose pliers | 150 mm |
| Wire stripper plier | 160 mm |
| Scissors | 200 mm |
| Water pump pliers | 240 mm |
| Combination spanner | 6-8-10-13-14-15-17-19 mm |
| 1/4" Dr. sockets | 4-5-6-7-8-9-10-11-12-13-14 mm |
| 1/2" Dr. sockets | 8-9-10-11-12-13-14-15-16-17-18-19-20-21-22 mm |
| Sliding T-bar | 1/4" |
| Universal joint | 1/4" - 1/2" |
| 1/4" Dr. socket-bars | 100 mm |
| 1/2" Dr. socket-bars | 250 mm |

| | |
|------------------------------------|--------------------|
| 3 way joint | 1 |
| Spark plug sockets sizes | 16 mm - 21 mm |
| Ratchet handles | 1/4" - 1/2" |
| Flexible bar | 1/4" - 145 mm |
| Bits holder socket | 1/4" |
| German hammer | 300 g |
| Precision tape | 5 m |
| Mini hacksaw | 1 |
| Terminals | 20 |
| Utility knife | 1 |
| Blade | 5 |
| Level | 300 mm |
| Socket handle | 1/4" |
| Magnetic bit holder | 1/4" |
| Bits | 30 - 1/4" |
| Male adapter 1/4" Dr. and 1/4" hex | 1 |
| Case size | 470 x 350 x 135 mm |
| Net weight | 10 kg |



0105

TOOL BOX WITH ACCESSORIES



UPGRADE



162 Pcs



Box

Cr-V



| | | | |
|------------------------------------|---|--------------------|--|
| Ball point hex key | 1,5-2-2,5-3-4-5-6-8-10 mm | | |
| Screwdrivers | (-) 5 x 75 - 6 x 100 mm - (+) 1 x 75 - 2 x 100 mm | | |
| Electric tester | 100 ÷ 250 V | | |
| Precision screwdrivers | (-) 2 x 140 - 2,4 x 140 - 3 x 140 - (+) 00 x 140 mm - 0 x 140 mm | | |
| Pliers | 160 mm | | |
| Adjustable wrench | 200 mm | | |
| Diagonal cutting nippers | 160 mm | | |
| Long nose pliers | 160 mm | | |
| Tower piners | 220 mm | | |
| Multipurpose scissors | 175 mm | | |
| Punches and chisel | 5 | | |
| Snap ring pliers with 4 heads | 4 | | |
| Water pump pliers | 240 mm | | |
| Combination spanner | 8-10-11-12-13-15-17-19-21 mm | | |
| 1/4" Dr. sockets | 4-4,5-5-5,5-6-7-8-9-10-11-12-13-14 mm | | |
| 1/2" Dr. sockets | 12-13-14-15-16-17-18-19-21-24-27-30-32 mm | | |
| Sliding T-bar | 1/4" | | |
| Universal joint | 1/4" - 1/2" | | |
| 1/4" Dr. socket-bars | 50 mm - 100 mm | | |
| 1/2" Dr. socket-bars | 125 mm - 250 mm | | |
| 3 way joint | | 1 | |
| Spark plug sockets sizes | | 16 mm - 21 mm | |
| Ratchet handles | | 1/4" - 1/2" | |
| File | | 200 mm | |
| German hammer | | 300 g | |
| Precision tape | | 5 m | |
| Mini hacksaw | | 1 | |
| Blade | | 3 | |
| Aluminum flashlight | | 1 | |
| Crimping pliers | | 200 mm | |
| Terminals | | 35 | |
| Utility knife | | 1 | |
| Level | | 300 mm | |
| Vernier caliper | | 150 mm | |
| Magnetic bit holder | | 1 | |
| Bits | | 30 - 1/4" | |
| Ratchet bit handle | | 1 | |
| Male adapter 1/4" Dr. and 1/4" hex | | 1 | |
| Case size | | 470 x 350 x 135 mm | |
| Net weight | | 11,5 kg | |

0110

TOOL BOX WITH ACCESSORIES



UPGRADE



135 Pcs



Box

Cr-V

| | | | |
|------------------------------------|--|--------------------|--|
| Ball point hex key | 1,5-2-2,5-3-4-5-6-8 mm | | |
| Screwdrivers | (-) 3 x 75 - 5 x 75 - 6 x 100 - 8 x 150 mm - (+) 0 x 75 - 1 x 75 - 2 x 100 3 x 100 mm | | |
| Precision screwdrivers | (-) 2,4 x 140 - (+) 00 x 140 mm - 0 x 140 mm | | |
| Pliers | 180 mm | | |
| Slip joint pliers | 150 mm | | |
| Diagonal cutting nippers | 115 mm | | |
| Long nose pliers | 150 mm | | |
| Wire stripper plier | 160 mm | | |
| Scissors | 200 mm | | |
| Water pump pliers | 240 mm | | |
| Combination spanner | 6-8-10-13-14-15-17-19 mm | | |
| 1/4" Dr. sockets | 4-5-6-7-8-9-10-11-12-13-14 mm | | |
| 1/2" Dr. sockets | 8-9-10-11-12-13-14-15-16-17-18-19-20-21-22 mm | | |
| Sliding T-bar | 1/4" | | |
| Universal joint | 1/4" - 1/2" | | |
| 1/4" Dr. socket-bars | 100 mm | | |
| 1/2" Dr. socket-bars | 250 mm | | |
| 3 way joint | | 1 | |
| Spark plug sockets sizes | | 16 mm - 21 mm | |
| Ratchet handles | | 1/4" - 1/2" | |
| Flexible bar | | 1/4" - 145 mm | |
| Bits holder socket | | 1/4" | |
| German hammer | | 300 g | |
| Precision tape | | 5 m | |
| Mini hacksaw | | 1 | |
| Terminals | | 20 | |
| Utility knife | | 1 | |
| Blade | | 5 | |
| Level | | 300 mm | |
| Socket handle | | 1/4" | |
| Magnetic bit holder | | 1/4" | |
| Bits | | 30 - 1/4" | |
| Male adapter 1/4" Dr. and 1/4" hex | | 1 | |
| Case size | | 470 x 350 x 135 mm | |
| Net weight | | 9,5 kg | |

0399
TOOL BOX WITH TOOLS AND ACCESSORIES


87 Pcs



Box

Cr-V

| | |
|------------------------------------|---|
| Ball point hex key | 1,5-2-2,5-3-4-5-6-8 mm |
| Screwdrivers | (-) 5 x 75 - 6 x 100 mm - (+) 1 x 75 - 2 x 100 mm |
| Pliers | 150 mm |
| Adjustable wrench | 250 mm |
| Diagonal cutting nippers | 150 mm |
| Long nose pliers | 150 mm |
| Multipurpose scissors | 150 mm |
| Water pump pliers | 240 mm |
| Combination spanner | 8-10-11-12-13-14-15-17 mm |
| 1/4" Dr. sockets | 4-4,5-5-5,5-6-7-8-9-10-11-12-13-14 mm |
| 1/2" Dr. sockets | 10-13-14-15-16-17-19-21-22 mm |
| Sliding T-bar | 1/4" |
| Universal joint | 1/4" - 1/2" |
| 1/4" Dr. socket-bars | 50 mm - 100 mm |
| 1/2" Dr. socket-bars | 125 mm |
| Spark plug sockets sizes | 16 mm - 21 mm |
| Ratchet handles | 1/4" - 1/2" |
| German hammer | 300 g |
| Utility knife | 1 |
| Magnetic bit holder | 1 |
| Bits | 30 |
| Bit holder | 1/4" |
| Ratchet bit handle | 1 |
| Male adapter 1/4" Dr. and 1/4" hex | 1 |
| Case size | 450 x 360 x 120 mm |
| Net weight | 7 kg |


0434
TOOL BOX WITH TOOLS AND ACCESSORIES


53 Pcs



Box

Cr-V

| | |
|------------------------------------|---|
| Ball point hex key | 1,5-2-2,5-3-4-5-6-8-10 mm |
| Screwdrivers | (-) 5 x 75 - 6 x 100 mm - (+) 1 x 75 - 2 x 100 mm |
| Pliers | 150 mm |
| Adjustable wrench | 200 mm |
| Long nose pliers | 150 mm |
| Water pump pliers | 240 mm |
| Male adapter 1/4" Dr. and 1/4" hex | 1 |
| German hammer | 300 g |
| Utility knife | 1 |
| Magnetic bit holder | 1 |
| Bits | 30 - 1/4" |
| Ratchet bit handle | 1 |
| Precision tape | 5 m |
| Case size | 400 x 270 x 120 mm |
| Net weight | 3 kg |

0164
NEW
FABRIC TOOL CASE WITH TOOLS AND ACCESSORIES

Functional ultra-resistant fabric briefcase with double top logo-embroidered handle and practical shoulder strap. Composed of 59 tools and accessories.



59 Pcs

Cr-V

| | |
|---------------------|---|
| Water pump pliers | 250 mm |
| Ball point hex key | 1,5 - 2 - 2,5 - 3 - 4 - 5 - 6 - 8 - 10 mm |
| Combination plier | 180 mm |
| Scissors | 200 mm |
| Utility knife | 18 mm |
| Magnetic bit holder | 1 |
| Bits | 30 - 1/4" |
| Ratchet bit handle | 1 |
| German hammer | 300 g |
| Screwdrivers | (-) 3 x 75 - 5 x 100 mm - (+) 0 x 75 - 1 x 100 - 2 x 100 mm |
| Precision tape | 5 m |
| Combination spanner | 7 - 8 - 10 - 13 - 17 - 19 mm |



POWERTOOLS

p. 505



Cordless power tools

p. 513



Wire power tools



PNEUMATICS

p. 518



Staplers and brad nailers

p. 520



Air impact wrenches

p. 523



Air die grinders

p. 523



Air belt sander

p. 526



Air guns

p. 528



Spray guns

p. 531



Air hose reel



SOLDERING IRONS, PAINT STRIPPERS AND HEAT GLUE GUNS

p. 532



Solderings

p. 533



Hot air guns

p. 534



Glue guns



EQUIPMENT FOR LIQUIDS AND FLUIDS

p. 535



Oilers

p. 536



Greaser guns

p. 537



Spray

p. 540



Tanks

p. 540



Pressure sprayers

p. 541



Pumps



HEATERS, LIGHTING AND LENSES

p. 543



Heaters

p. 544



LED Lights

p. 545



Lamps

p. 547



Magnifier lens

p. 547



Battery operated torches and lamps

p. 551



Powers sockets



FERVI POWER TOOLS

Designed to take your work experience to the next level - easier, faster and more efficient. Thanks to cutting-edge technologies and high-quality materials, they are designed to last over time and offer exceptional performance.

POWER

Our power tools are equipped with powerful motors that will allow you to tackle even the most demanding challenges with ease.



MORE POWER

We have designed a wide range of tools to suit your specific needs, be it professional work, DIY or home maintenance. Our advanced technology ensures greater energy efficiency, thus helping to reduce energy consumption.



EXTRAPOWER

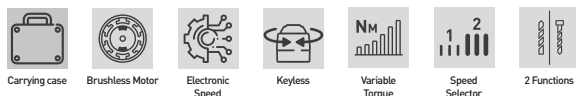
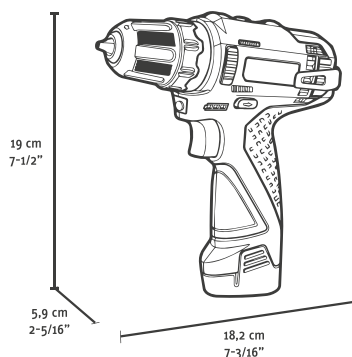
They are designed with your comfort in mind, with ergonomic handles and an intuitive design to reduce fatigue during use. Our range is built to resist wear and tear and ensure long life, so you can rely on them for many years to come.



A complete range consisting of the battery-powered line with 20 V platform - F20VRange - and the wired one to meet your application needs.

FB12CD3AS-22B**NEW****CORDLESS DRILL - SCREWDRIVER 12V**

Automatic spindle lock, keyless self-tightening chuck, 21 clutch settings, step speed selection, electronic speed adjustment, variable torque, 2 modes: screwdriving and drilling, reverse rotation, quick charge, belt clip, built-in led light.



| | | | |
|------------------------|----------------------------|--------------------------|--------------|
| No-load speed | 0-380 min-1 / 0-1250 min-1 | Drilling output wood | Max 28 mm |
| Chuck tightening range | 0,8 - 10 mm | Max screw diameter | 6 mm |
| Torque | 19 / 30 Nm | Included batteries | 2 x 2Ah, 12V |
| Drilling output steel | Max 10 mm | Included battery charger | 2A, 12V |



F20VRANGE



Impact drill / Screwdriver

Heavy rotary hammer

Cordless drill

Impact wrench

Work light

Impact screwdriver

Angle grinder



BATTERY



20V 2Ah



20V 4Ah



20V 2A



20V 4A

High performance brushless motor

The F20VRange range is made up of brushless motor tools with advanced technology that guarantees greater performance, longer life, lighter and more compact tools.

Optimized battery cells

The new professional lithium battery cells have a lower impedance which guarantees greater power. Our 20 V batteries have slow self-discharge which guarantees longer life and a reduced memory effect which guarantees longer life cycles.

The right range in the right place

An important range in constant growth, designed to tackle the most demanding applications.

2Ah, 4Ah

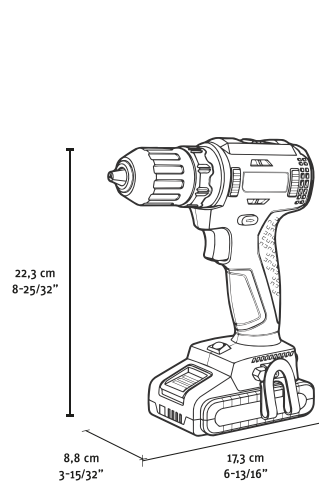
The 2 capacity levels allow you to choose the most suitable battery based on the type of work and duration of use.

2A, 4A

Our rapid chargers allow you to always be operational, optimizing your work.

FB20CD3AB-
NEW
CORDLESS DRILL - SCREWDRIVER 20V

Brushless motor, automatic spindle lock, keyless self-tightening chuck, 21 clutch settings, step speed selection, electronic speed adjustment, variable torque, 2 modes: screwdriving and drilling, reverse rotation, belt clip, built-in led light, effective motor cooling system.



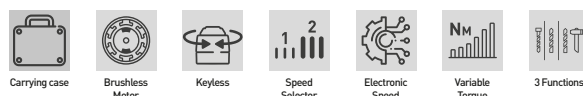
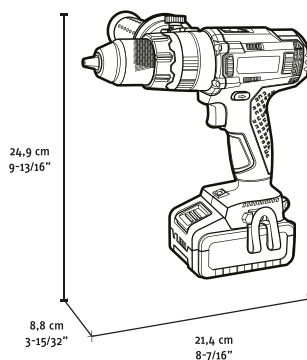
| | |
|------------------------|----------------------------|
| No-load speed | 0-420 min-1 / 0-1400 min-1 |
| Chuck tightening range | 2 - 13 mm |
| Torque | 35 / 55 Nm |
| Drilling output steel | Max 13 mm |
| Drilling output wood | Max 40 mm |
| Max screw diameter | 8 mm |



| Art. | Batteries | Battery charger |
|---------------|--------------|-----------------|
| FB20CD3AB-12B | 1 x 2Ah, 20V | 2A, 20V |
| FB20CD3AB-14B | 1 x 4Ah, 20V | 4A, 20V |
| FB20CD3AB-22B | 2 x 2Ah, 20V | 2A, 20V |
| FB20CD3AB-24B | 2 x 4Ah, 20V | 4A, 20V |
| FB20CD3AB-B | Not included | Not included |

FB20ID3AB-
NEW
IMPACT DRILL - SCREWDRIVER 20 V

Brushless motor, automatic spindle lock, metal keyless self-tightening chuck, 21 clutch settings, step speed selection, electronic speed adjustment, variable torque, 3 modes: screwdriving / drilling / impact drilling, reverse rotation, belt clip, built-in led light, large air vents.



| | |
|--------------------------|------------------------------|
| No-load speed | 0-550 min-1 / 0-2000 min-1 |
| Impact rate | 0-7500 min-1 / 0-30000 min-1 |
| Chuck tightening range | 1,5 - 13 mm |
| Torque | 70 / 75 Nm |
| Drilling output concrete | Max 16 mm |
| Drilling output steel | Max 13 mm |
| Drilling output wood | Max 40 mm |
| Max screw diameter | 10 mm |



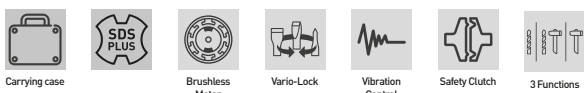
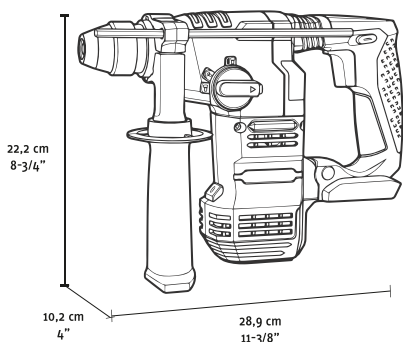
| Art. | Batteries | Battery charger |
|---------------|--------------|-----------------|
| FB20ID3AB-12B | 1 x 2Ah, 20V | 2A, 20V |
| FB20ID3AB-14B | 1 x 4Ah, 20V | 4A, 20V |
| FB20ID3AB-22B | 2 x 2Ah, 20V | 2A, 20V |
| FB20ID3AB-24B | 2 x 4Ah, 20V | 4A, 20V |
| FB20ID3AB-B | Not included | Not included |

FB20RH3AB-

NEW

HEAVY ROTARY HAMMER 20 V

Brushless motor, sds-plus chuck, rotation speed stabilization system at both an idle and under load, 3 modes: drilling / impact drilling / chiselling, vario-lock mode, anti-vibrations system, safety clutch to prevent motor damages and overloads, built-in led light, depth stop included.



| | |
|--------------------------|--------------|
| No-load speed | 0-1400 min-1 |
| Impact rate | 0-4500 min-1 |
| Chuck tightening range | 2,3 J |
| Torque | SDS-Plus |
| Drilling output concrete | Max 18 mm |
| Drilling output steel | Max 13 mm |
| Drilling output wood | Max 20 mm |
| Max screw diameter | 10 mm |

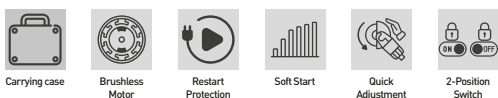
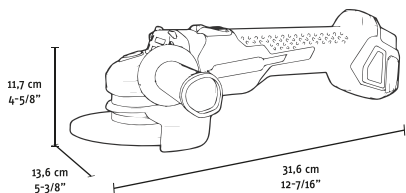
| Art. | Batteries | Battery charger |
|---------------|--------------|-----------------|
| FB20RH3AB-24B | 2 x 4Ah, 20V | 4A, 20V |
| FB20RH3AB-B | Not included | Not included |

FB20AG3AB-

NEW

ANGLE GRINDER 125 MM 20V

Brushless motor, soft start for increased safety of use, restart protection, two-position on/off switch with locking system, safety clutch to prevent motor damages and overloads, quick adjustable guard, soft rubber grip, metal dust filter on air intake, small size machine body, thick soft rubber anti-vibration grip, large air vents.



| | |
|-------------------------------|------------|
| Speed | 8000 min-1 |
| Shank | M14 |
| Max Ø of cutting disc | 125 mm |
| Max Ø of grinding disc | 125 mm |
| Max Ø of rubber sanding plate | 125 mm |
| Max Ø of circular wire brush | 75 mm |
| Max Ø of cup wire brush | 75 mm |

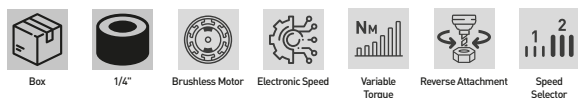
| Art. | Batteries | Battery charger |
|---------------|--------------|-----------------|
| FB20AG3AB-12B | 1 x 2Ah, 20V | 2A, 20V |
| FB20AG3AB-14B | 1 x 4Ah, 20V | 4A, 20V |
| FB20AG3AB-22B | 2 x 2Ah, 20V | 2A, 20V |
| FB20AG3AB-24B | 2 x 4Ah, 20V | 4A, 20V |
| FB20AG3AB-B | Not included | Not included |

FB20IS3AB-K

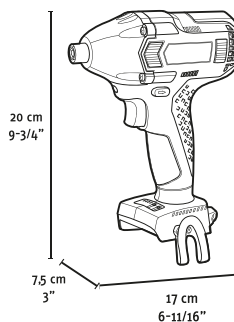
NEW

IMPACT SCREWDRIVER 20V

Brushless motor, 1/4" hexagonal tool holder, electronic speed adjustment, step speed selection, reverse rotation, built-in led light (4 lights), belt clip, variable torque: 35 nm / 130 nm / 200 nm / 260 nm, additional anti-vibration hook for 4ah battery, magnesium head for better heat dissipation, efficient ventilation system for engine cooling.



| | |
|--------------------------|-------------------------|
| No-load speed | 0-2100 min-1 |
| Impact rate | 0-3200 min-1 |
| Torque | 35 / 130 / 200 / 260 Nm |
| Tool holder | 1/4" hex |
| Min - max bolt / nut Ø | M12 - M22 |
| Batteries | Not included |
| Included battery charger | Not included |

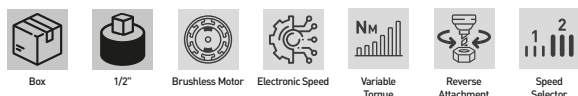


FB20IW3AB-K

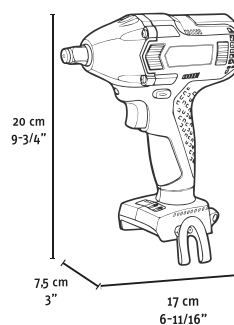
NEW

IMPACT WRENCH 20V

Brushless motor, 1/2" square tool holder, electronic speed adjustment, step speed selection, reverse rotation, built-in led light (4 lights), belt clip, variable torque: 35 nm / 130 nm / 200 nm / 300 nm, additional anti-vibration hook for 4ah battery, magnesium head for better heat dissipation, efficient ventilation system for engine cooling.



| | |
|------------------------|-------------------------|
| No-load speed | 0-2100 min-1 |
| Impact rate | 0-3200 min-1 |
| Torque | 35 / 130 / 200 / 300 Nm |
| Tool holder | 1/2" square |
| Min - max bolt / nut Ø | M12 - M22 |
| Batteries | Not included |
| Battery charger | Not included |



FB20LL3AX-K

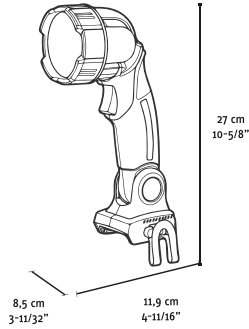
NEW

WORK LIGHT 20V

270° swivel head, soft rubber grip, belt clip, luminous flux 250 lm.

- Box
- Soft Grip
- ~12h (2Ah) /
~24h (4Ah)
- Belt Hook
- 270°
- LI-ION
BATTERY

| | |
|-----------------|-------------------------|
| LED power | 3 W |
| Luminous flux | 250 lm |
| Autonomy | ~12h (2Ah) / ~24h (4Ah) |
| Batteries | Not included |
| Battery charger | Not included |





FB20BC3A2-K

NEW

BATTERY CHARGER 2A 20V

Compatible with Fervi FB20LB3A2 and FB20LB3A4 batteries.



Box

| | |
|-----------------|--|
| Power | 55 W |
| Output voltage | 20 V |
| Output current | 2 A |
| Recharging time | 60 min. (FB20LB3A2) / 120 min. (FB20LB3A4) |

FB20BC3A4-K

NEW

CHARGER 4A 20V

Compatible with Fervi FB20LB3A2 and FB20LB3A4 batteries
Fan-powered ventilated quick charge.



Box

| | |
|-----------------|---|
| Power | 100 W |
| Output voltage | 18 - 20 V Max. |
| Output current | 4 A |
| Recharging time | 35 min. (FB20LB3A2) / 60 min. (FB20LB3A4) |

FB20LB3A2-E

NEW

BATTERY 2AH 20V

Compatible with all items in the Fervi F20VRange line
Compatible with Fervi FB20BC3A2 and FB20BC3A4 chargers.



Blister

| | |
|-----------------|--|
| Battery type | Li-Ion |
| Voltage | 20 V |
| Capacity | 2 Ah |
| Recharging time | 60 min. (FB20BC3A2) / 35 min (FB20BC3A4) |

FB20LB3A4-E

NEW

BATTERY 4AH 20V

Compatible with all items in the Fervi F20VRange line
Compatible with Fervi FB20BC3A2 and FB20BC3A4 chargers.



Blister

| | |
|-----------------|---|
| Battery type | Li-Ion |
| Voltage | 20 V |
| Capacity | 4 Ah |
| Recharging time | 120 min. (FB20BC3A2) / 60 min (FB20BC3A4) |

F20VRANGE

Charging Times

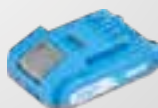


FB20BC3A2-K
20V - 2Ah



FB20BC3A4-K
20V - 4Ah

FB20LB3A2-E
20V - 2Ah



60 minutes

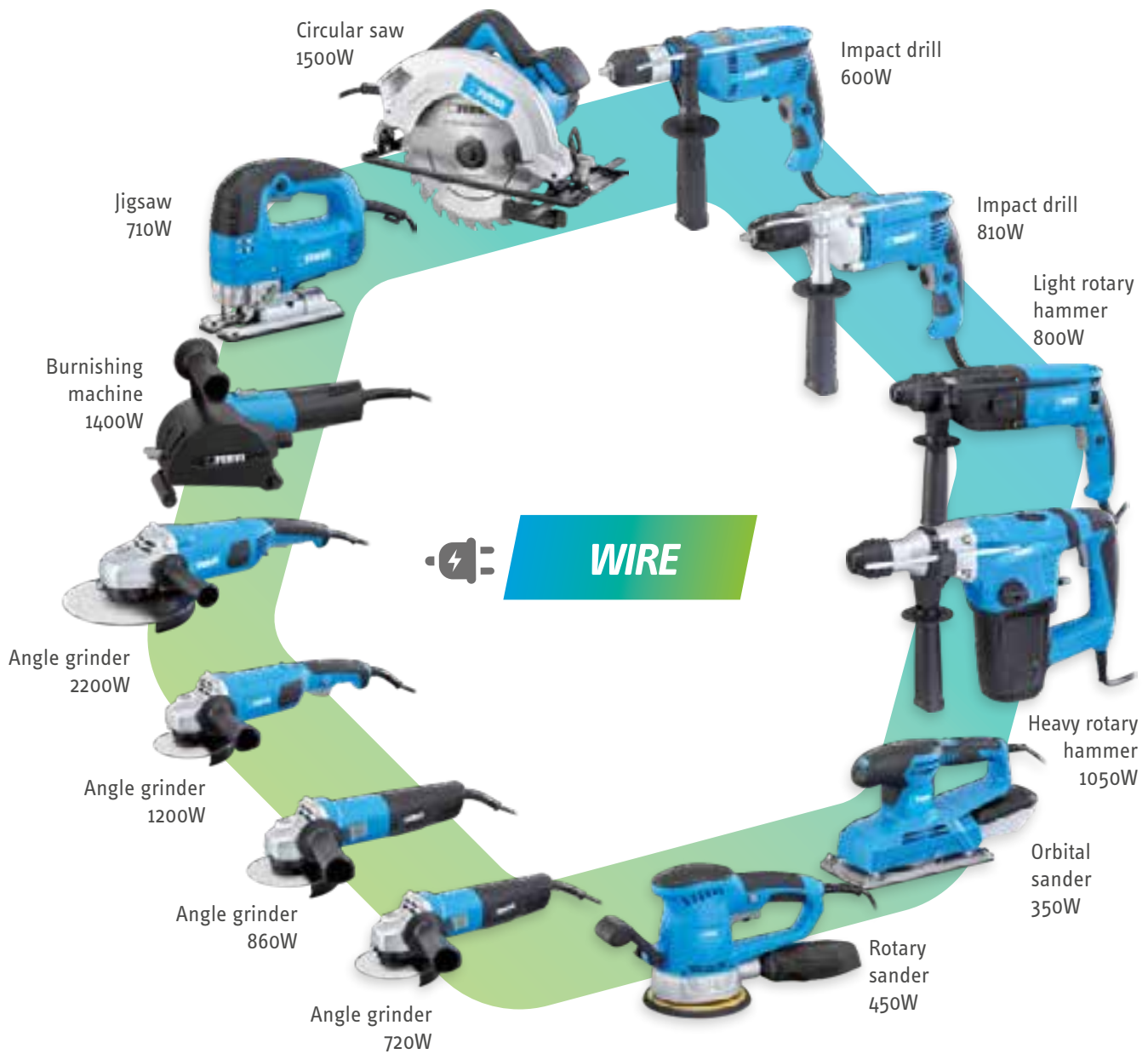
35 minutes

FB20LB3A4-E
20V - 4Ah



120 minutes

60 minutes



WIRE

High Price/Performance ratio

The wire line is equipped with high-performance motors equipped with on-board electronics for speed regulation, overheating management and gradual starting. This feature allows you to use a high-performance power tool at an incredible price.

Ergonomics and lightweight

The ergonomics and weight of the power tools have been designed to allow intensive use without burdening the operator.

Full line

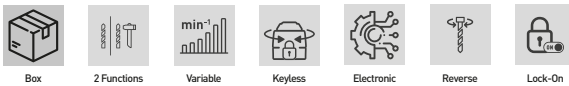
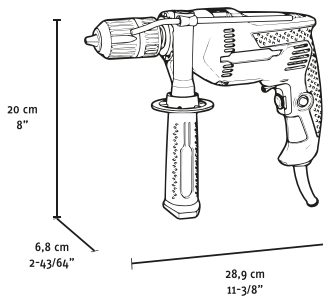
When designing the wire line, we tried to accommodate all applications, also thinking about the materials to be processed.

For this reason, within the current offer you will find power tools for processing the following materials:

- IRON
- STEEL
- ALUMINUM
- WOOD
- CEMENT
- CONCRETE

FFID06003A-K
NEW
IMPACT DRILL 600W

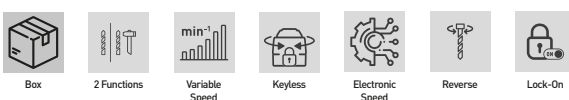
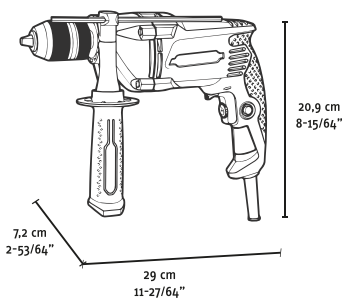
2-Steps-lock keyless self-tightening chuck, variable speed, electronic speed adjustment, 2 modes: drilling / impact drilling, reverse rotation, lock-on function for increased comfort during extended work mode, non-slip soft rubber grip, depth stop and additional handle included.



| | |
|--------------------------|---------------------------|
| Power | 600 W |
| Amperage at 220-230V | 2,8 A |
| No-load speed | 0-2800 min ⁻¹ |
| Impact rate | 0-44800 min ⁻¹ |
| Chuck tightening range | 2 - 13 mm |
| Drilling output concrete | Max 13 mm |
| Drilling output steel | Max 13 mm |
| Drilling output wood | Max 20 mm |

FFID08103A-K
NEW
IMPACT DRILL 810W

Metal keyless self-tightening chuck, variable speed, electronic speed adjustment, 2 modes: drilling / impact drilling, reverse rotation, lock-on function for increased comfort during extended work mode, non-slip soft rubber grip, depth stop and additional handle included.



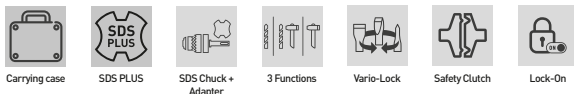
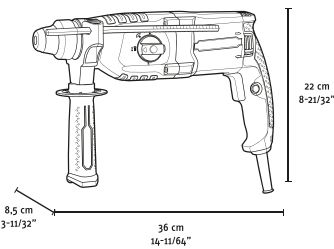
| | |
|--------------------------|---------------------------|
| Power | 810 W |
| Amperage at 220-230V | 3,9 A |
| No-load speed | 0-2800 min ⁻¹ |
| Impact rate | 0-44800 min ⁻¹ |
| Chuck tightening range | 2 - 13 mm |
| Drilling output concrete | Max 16 mm |
| Drilling output steel | Max 13 mm |
| Drilling output wood | Max 30 mm |

FFRH08003A-B

NEW

LIGHT ROTARY HAMMER 800W

Sds-plus chuck, extra gear rim chuck with sds-plus adapter, electronic speed adjustment, 3 modes: drilling / impact drilling / chiselling, vario-lock mode, reverse rotation, safety clutch to prevent motor damages and overloads, lock-on function for increased comfort during extended work mode, soft rubber grip, depth stop, additional handle, 3 bits, pointed and flat chisels, additional chuck and flange wrench included.



| | |
|--------------------------|--------------|
| Power | 800 W |
| Amperage at 220-230V | 3,8 A |
| No-load speed | 0-1200 min-1 |
| Impact rate | 0-5300 min-1 |
| Test force | 3,4 J |
| Chuck sizes | SDS-Plus |
| Drilling output concrete | Max 26 mm |
| Drilling output steel | Max 13 mm |
| Drilling output wood | Max 40 mm |

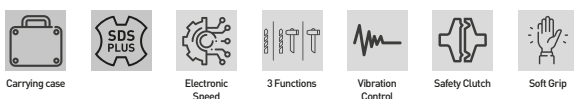
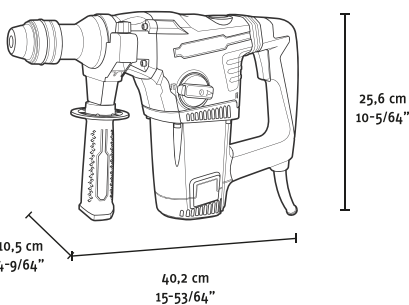


FFRH10503A-B

NEW

HEAVY ROTARY HAMMER 1050W

Sds-plus chuck, electronic speed adjustment, 3 modes: drilling / impact drilling / chiselling, anti-vibrations system, safety clutch to prevent motor damages and overloads, soft rubber grip, depth stop, additional handle, 3 bits, pointed and flat chisels, dust collector, container with lubricant, flange wrench included.



| | |
|--------------------------|--------------|
| Power | 1050 W |
| Amperage at 220-230V | 4,9 A |
| No-load speed | 0-750 min-1 |
| Impact rate | 0-2800 min-1 |
| Test force | 4,8 J |
| Chuck sizes | SDS-Plus |
| Drilling output concrete | Max 32 mm |
| Drilling output steel | Max 13 mm |
| Drilling output wood | Max 40 mm |



FFAG07203A-115K
NEW
ANGLE GRINDER 115 MM 720W

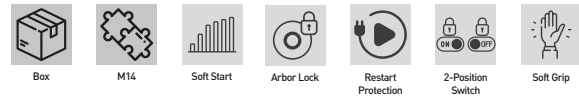
M14 spindle thread, soft start, spindle lock, restart protection, two-position on/off slide switch with lock, small-size soft rubber grip, motor ecu to avoid rotor and stator overload, flange wrench, additional handle, protection guard included.



| | |
|-------------------------------|---------------------------|
| Power | 720 W |
| Amperage at 220-230V | 3,3 A |
| Speed | 0-11000 min ⁻¹ |
| Shank | M14 |
| Max Ø of cutting disc | 115 mm |
| Max Ø of grinding disc | 115 mm |
| Max Ø of rubber sanding plate | 115 mm |
| Max Ø of circular wire brush | 75 mm |
| Max Ø of cup wire brush | 75 mm |

FFAG08603A-125K
NEW
ANGLE GRINDER 125 MM 860W

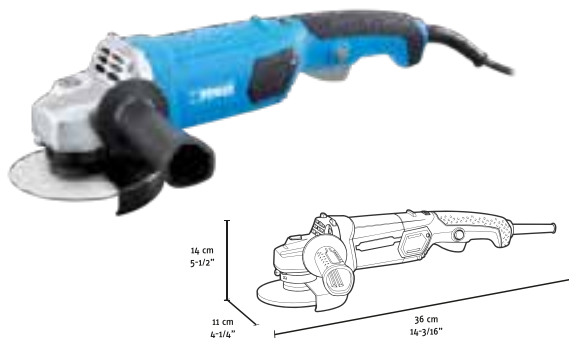
M14 spindle thread, soft start, spindle lock, restart protection, two-position on/off slide switch with lock, small-size soft rubber grip, motor ecu to avoid rotor and stator overload, flange wrench, additional handle, protection guard included.



| | |
|-------------------------------|---------------------------|
| Power | 860 W |
| Amperage at 220-230V | 3,9 A |
| Speed | 0-11000 min ⁻¹ |
| Shank | M14 |
| Max Ø of cutting disc | 125 mm |
| Max Ø of grinding disc | 125 mm |
| Max Ø of rubber sanding plate | 125 mm |
| Max Ø of circular wire brush | 75 mm |
| Max Ø of cup wire brush | 75 mm |

FFAG12003V-125K
NEW
ANGLE GRINDER 125 MM 1200W

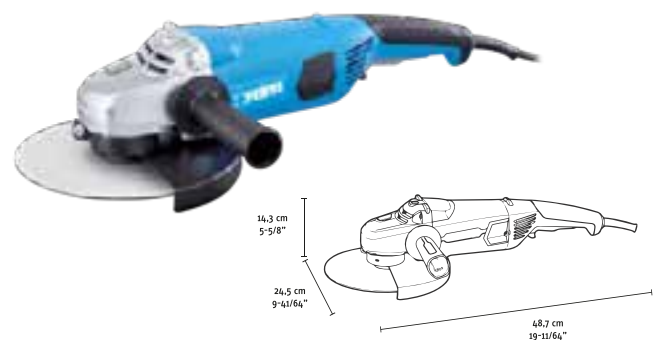
M14 spindle thread, soft start, variable speed, spindle lock, restart protection, lock-off function, small-size soft rubber grip, large air vents, quick-access carbon brush inspection compartment, flange wrench, additional handle, protection guard included.



| | |
|-------------------------------|---------------------------|
| Power | 1200 W |
| Amperage at 220-230V | 5,4 A |
| Speed | 0-11000 min ⁻¹ |
| Shank | M14 |
| Max Ø of cutting disc | 125 mm |
| Max Ø of grinding disc | 125 mm |
| Max Ø of rubber sanding plate | 125 mm |
| Max Ø of circular wire brush | 75 mm |
| Max Ø of cup wire brush | 75 mm |

FFAG22003A-230K
NEW
ANGLE GRINDER 230 MM 2200W

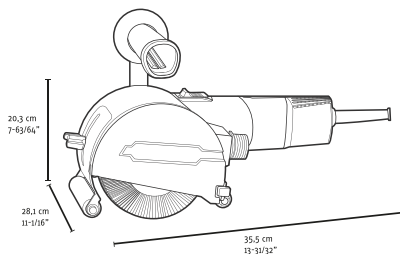
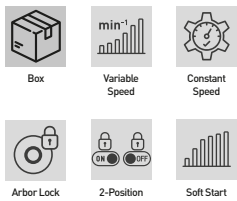
M14 spindle thread, soft start, spindle lock, restart protection, lock-off function, small-size soft rubber grip, motor ecu to avoid rotor and stator overload, 3-positions additional handle, large air vents and front airflow, 8 mm rubber cable, flange wrench, additional handle, protection guard included.



| | |
|-------------------------------|--------------------------|
| Power | 2200 W |
| Amperage at 220-230V | 10,0 A |
| Speed | 0-6500 min ⁻¹ |
| Shank | M14 |
| Max Ø of cutting disc | 230 mm |
| Max Ø of grinding disc | 230 mm |
| Max Ø of rubber sanding plate | 230 mm |
| Max Ø of circular wire brush | 100 mm |
| Max Ø of cup wire brush | 100 mm |

FFSF14003A-110K
NEW
BURNISHING MACHINE 110 MM 1400W

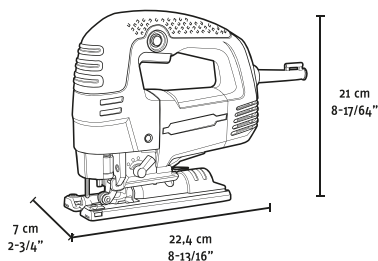
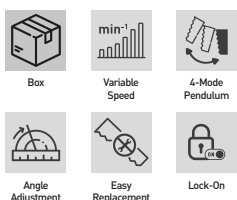
Variable speed, rotation speed stabilization system at both an idle and under load, soft start, spindle lock, restart protection, two-position on/off switch with locking system, brush depth adjustment system with protective casing, additional handle, protective casing, vacuum cleaner adapter, allen key included.



| | |
|----------------------|-----------------|
| Power | 1400 W |
| Amperage at 220-230V | 6,6 A |
| Speed | 1000-4000 min-1 |
| Spindle diameter | 19 mm |
| Max Ø of brush | 110 mm |
| Max width of brush | 100 mm |

FFJS07103A-K
NEW
JIGSAW 710W

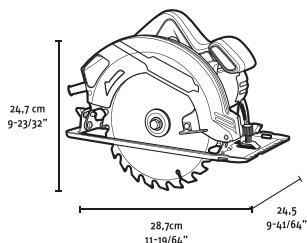
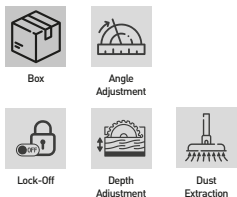
Stroke rate regulation, angular adjustment, 4-stage pendulum, saw blade quick change with blade defense, lock-on function, metal gears, front airflow for a cleaner cut, ideal for plunge cuts, saw blade, wing screw for guide bar, locating pin, allen key, guide for parallel / circle cutting included.



| | |
|----------------------------|----------------|
| Power | 710 W |
| Amperage at 220-230V | 3,1 A |
| Stroke rate at no-load | 700-3000 min-1 |
| Stroke length | 26 mm |
| Cutting depth in wood | 85 mm |
| Cutting depth in aluminium | 20 mm |
| Cutting depth in steel | 10 mm |
| Cut range | Max 45° / 45° |

FFCS15003A-190K
NEW
CIRCULAR SAW 1500W

Cutting depth adjustment, angular adjustment, lock-off function, dust extraction system with exhaust pipe, operator protection, soft rubber grip, blade, wrench, parallel guide included.



| | |
|----------------------|-------------------------------|
| Power | 1500 W |
| Amperage at 220-230V | 6,8 A |
| No-load speed | 5500 min-1 |
| Min / max Ø blade | 185 / 190 mm |
| Hole diameter | 20 mm |
| Blade thickness | 2 mm |
| Cutting Depth | Max 66 mm (90°) / 46 mm (45°) |

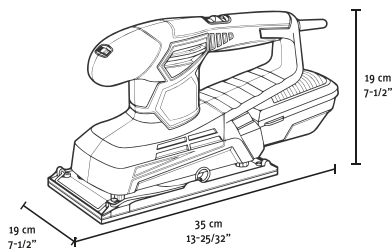
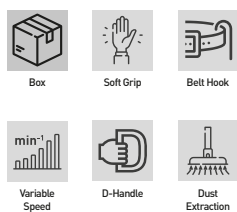


FFOS03503A-K

NEW

ORBITAL SANDER 350W

Clamp-lever fixing system, variable speed, dust extraction system with container / compatible with vacuum cleaner, rear soft rubber d-handle, filter cleaning system, 3 pcs sandpaper and dust container included.



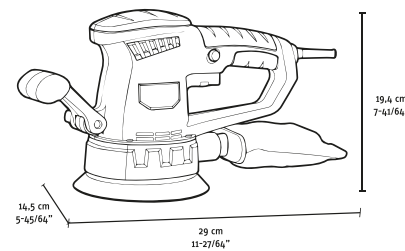
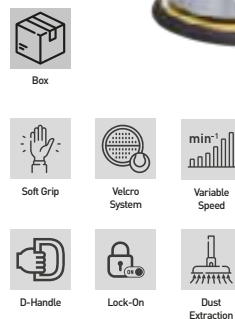
| | |
|--------------------------|-------------------|
| Power | 350 W |
| Amperage at 220-230V | 1,5 A |
| No-load speed | 6000-11000 min-1 |
| No-load oscillation rate | 12000-22000 min-1 |
| Eccentricity | 2,5 mm |
| Sanding paper size | 115 x 280 mm |
| Sanding surface size | 115 x 230 mm |

FFRS04503A-150K

NEW

ROTARY SANDER 150 MM 450W

Velcro fixing system, variable speed, lock-on function for increased comfort during extended work mode, dust extraction system with bag / compatible with vacuum cleaner, rear soft rubber d-handle, adjustable front handle, 3 pcs sandpaper (grit 60, 80, 120) and dust bag included.



| | |
|--------------------------|--------------------------|
| Power | 450 W |
| Amperage at 220-230V | 1,9 A |
| No-load speed | 4000 min-1 / 13000 min-1 |
| No-load oscillation rate | 8000-26000 min-1 |
| Eccentricity | 2 mm |
| Sanding plate diameter | 150 mm |



0149

HEAVY DUTY STAPLE GUN TACKER

With 500 staples and 500 nails.



Blister

C586

AIR BRAD NAILER



Carrying case

| | |
|------------------|-------------------|
| Loader capacity | 120 |
| Working pressure | 5 - 7 bar |
| Dimensions | 260 x 240 x 65 mm |
| Nails | F - 10 / 50 mm |
| Air inlet | 1/4" |
| Net weight | 1,3 kg |

F588/6

AIR BRADDER FOR MINI PINS



Carrying case

| | |
|------------------|-------------------|
| Loader capacity | 195 |
| Working pressure | 5 - 7 bar |
| Dimensions | 235 x 198 x 46 mm |
| Staples | 0,60 - 12 / 25 mm |
| Air inlet | 1/4" |
| Net weight | 1 kg |

F585

2 IN 1 AIR STAPLER AND BRAD NAILER



Carrying case

| | |
|------------------|-------------------|
| Loader capacity | 100 |
| Working pressure | 5 - 7 bar |
| Dimensions | 255 x 230 x 67 mm |
| Nails | F - 10 / 50 mm |
| Staples | 90 - 10 / 40 mm |
| Air inlet | 1/4" |
| Net weight | 1,4 kg |

O587

AIR STAPLER



Carrying case

| | |
|------------------|-------------------|
| Loader capacity | 100 |
| Working pressure | 5 - 7 bar |
| Dimensions | 225 x 165 x 45 mm |
| Staples | 80 - 6 / 16 mm |
| Air inlet | 1/4" |
| Net weight | 0,9 kg |

O585

2 IN 1 AIR STAPLER AND BRAD NAILER



Carrying case

| | |
|------------------|-------------------|
| Loader capacity | 80 |
| Working pressure | 5 - 7 bar |
| Dimensions | 245 x 230 x 55 mm |
| Nails | F - 10 / 50 mm |
| Staples | 90 - 10 / 40 mm |
| Air inlet | 1/4" |
| Net weight | 1,4 kg |

0586

AIR BRAD NAILER



Carrying case

| | |
|------------------|-------------------|
| Loader capacity | 110 |
| Working pressure | 5 - 7 bar |
| Dimensions | 245 x 225 x 55 mm |
| Nails | F - 10 / 50 mm |
| Air inlet | 1/4" |
| Net weight | 1,5 kg |

0588/6

AIR BRADDER FOR MINI PINS



Carrying case

| | |
|------------------|-------------------|
| Loader capacity | 130 |
| Working pressure | 5 - 7 bar |
| Dimensions | 225 x 170 x 45 mm |
| Staples | 0,60 - 12 / 30 mm |
| Air inlet | 1/4" |
| Net weight | 1 kg |

C589

AIR PALM NAILER



Box

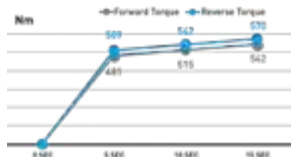
| | |
|------------------|--|
| Working pressure | 5 - 7 bar |
| Dimensions | 111 x 115 x 70 mm |
| Nails | Ø 2.5 ÷ 4.1 - head Ø 6.3 ÷ 8.7 - length 38 ÷ 90 mm |
| Air inlet | 1/4" |
| Net weight | 0,5 kg |



AP01

AIR IMPACT WRENCH

Professional series. In composite material, handle and head in shockproof rubber. Operating lever, change of rotation and speed adjustment operated with one hand. High power and great reliability.

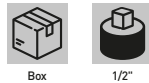
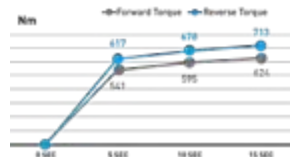


| | |
|------------------|----------------------|
| Speed | 8500 rpm |
| Torque | 542 Nm 400 lb-ft |
| Avg air cons. | 108 l/min 3.8 SCFM |
| Working pressure | 6 bar 90 psi |
| Air inlet | 1/4" |
| Net weight | 1,2 kg |

AP02

AIR IMPACT WRENCH

Professional series. In composite material, handle and head in shockproof rubber. Operating lever, change of rotation and speed adjustment operated with one hand. High power and great reliability.

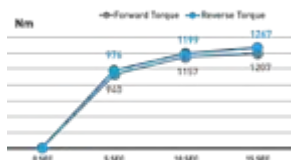


| | |
|------------------|----------------------|
| Speed | 7800 rpm |
| Torque | 678 Nm 500 lb-ft |
| Avg air cons. | 136 l/min 4.8 SCFM |
| Working pressure | 6 bar 90 psi |
| Air inlet | 1/4" |
| Net weight | 1,2 kg |

AP03

AIR IMPACT WRENCH

Professional series. In composite material, handle and head in shockproof rubber. Operating lever, change of rotation and speed adjustment operated with one hand. High power and great reliability.

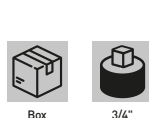
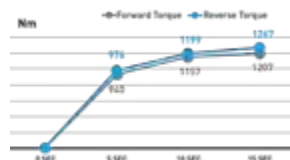


| | |
|------------------|----------------------|
| Speed | 7300 rpm |
| Torque | 1085 Nm 800 lb-ft |
| Avg air cons. | 153 l/min 5.4 SCFM |
| Working pressure | 6 bar 90 psi |
| Air inlet | 1/4" |
| Net weight | 2 kg |

AP04

AIR IMPACT WRENCH

Professional series. In composite material, handle and head in shockproof rubber. Operating lever, change of rotation and speed adjustment operated with one hand. High power and great reliability.



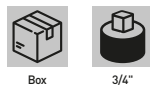
| | |
|------------------|----------------------|
| Speed | 7300 rpm |
| Torque | 1085 Nm 800 lb-ft |
| Avg air cons. | 153 l/min 5.4 SCFM |
| Working pressure | 6 bar 90 psi |
| Air inlet | 1/4" |
| Net weight | 2,1 kg |



AP05

AIR IMPACT WRENCH

Professional series. In composite material, handle and head in shockproof rubber. Operating lever, change of rotation and speed adjustment operated with one hand. High power and great reliability.

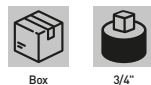
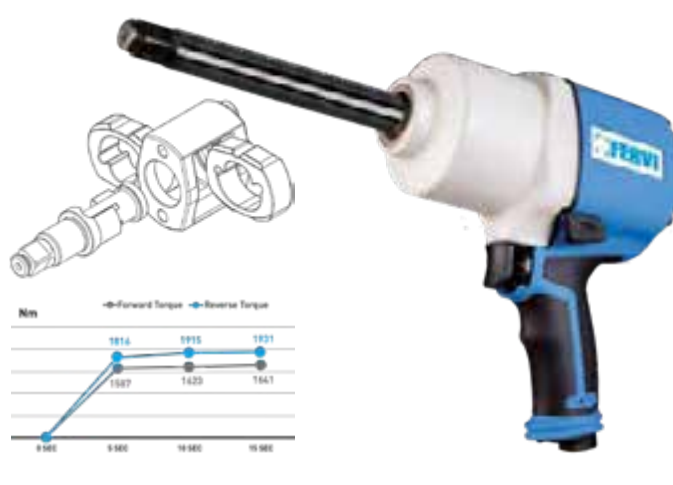


| | |
|------------------|----------------------|
| Speed | 5300 rpm |
| Torque | 1900 Nm 1400 lb-ft |
| Avg air cons. | 224 l/min 8.1 SCFM |
| Working pressure | 6 bar 90 psi |
| Air inlet | 3/8" |
| Net weight | 3,3 kg |

AP05/150

AIR IMPACT WRENCH

With 150 mm Anvil professional series. In composite material, handle and head in shockproof rubber. Operating lever, change of rotation and speed adjustment operated with one hand. High power and great reliability.

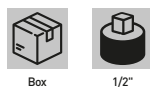


| | |
|------------------|----------------------|
| Speed | 5300 rpm |
| Torque | 1900 Nm 1400 lb-ft |
| Avg air cons. | 224 l/min 8.1 SCFM |
| Working pressure | 6 bar 90 psi |
| Air inlet | 3/8" |
| Net weight | 4 kg |

AP06

AIR IMPACT WRENCH

Professional series. In composite material, handle and head in shockproof rubber. Operating lever, change of rotation and speed adjustment operated with one hand. High power and great reliability.



| | |
|------------------|--------------------|
| Speed | 9000 rpm |
| Torque | 312 Nm 230 lb-ft |
| Avg air cons. | 113 l/min 4 SCFM |
| Working pressure | 6 bar 90 psi |
| Air inlet | 1/4" |
| Net weight | 1,1 kg |



0571

AIR IMPACT WRENCH



| | |
|------------------|--------------------|
| Speed | 7000 rpm |
| Torque | 610 Nm |
| Avg air cons. | 5 SCFM (150 l/min) |
| Working pressure | 6 bar / 90 psi |
| Air inlet | 1/4" |
| Net weight | 2,6 kg |

0576

AIR IMPACT WRENCH



| | |
|------------------|--------------------|
| Speed | 7000 rpm |
| Torque | 435 Nm |
| Avg air cons. | 5 SCFM (150 l/min) |
| Working pressure | 6 bar / 90 psi |
| Shank | 1/4" |
| Net weight | 2,5 kg |

0786

AIR IMPACT WRENCH



| | |
|------------------|--------------------|
| Speed | 4200 rpm |
| Torque | 950 Nm |
| Avg air cons. | 8 SCFM (240 l/min) |
| Working pressure | 6 bar / 90 psi |
| Air inlet | 1/4" |
| Net weight | 4,8 kg |

0044

AIR IMPACT WRENCH SET

With 10 wrenches, a wrench extension, 1/4" nozzle.



| | | | |
|---------------|---------------------------------|---|------------------------------|
| Speed | 7000 rpm | Working pressure | 6 bar/90 psi |
| Torque | 320 Nm | Sound pressure level | 84,4 ± 2,94 dB(A) |
| Socket | 9-10-11-13-14-17-19-22-24-27 mm | Level vibration transmitted to hand-arm | 8.53 ± 2.05 m/s ² |
| Extension | 125 mm | Air inlet | 1/4" |
| Avg air cons. | 5 SCFM (150 l/min) | Net weight | 4 kg |

0045

AIR IMPACT WRENCH



| | |
|------------------|--------------------|
| Speed | 7000 rpm |
| Torque | 320 Nm |
| Avg air cons. | 5 SCFM (150 l/min) |
| Working pressure | 6 bar / 90 psi |
| Air inlet | 1/4" |
| Net weight | 2,3 kg |

0052

AIR IMPACT WRENCH



| | |
|------------------|--------------------|
| Speed | 4800 rpm |
| Torque | 680 Nm |
| Avg air cons. | 6 SCFM (180 l/min) |
| Working pressure | 6 bar / 90 psi |
| Air inlet | 1/4" |
| Net weight | 4,7 kg |

0413

MINI AIR DIE GRINDER

Collet 3 mm and 6 mm. Revolving rear air outlet. Body frame made from composite material.



Box

| | |
|------------------|--------------------|
| Pliers | ø 3 mm - ø 6 mm |
| Speed | 25000 rpm |
| Avg air cons. | 4 SCFM (113 l/min) |
| Working pressure | 6 bar / 90 psi |
| Air inlet | 1/4" |
| Net weight | 0,4 kg |

0416

90° AIR DIE GRINDER

Collet Ø 3 mm - Ø 6 mm. Revolving rear air outlet.



Box

| | |
|------------------|--------------------|
| Pliers | ø 3 mm - ø 6 mm |
| Speed | 20000 rpm |
| Avg air cons. | 4 SCFM (113 l/min) |
| Working pressure | 6 bar / 90 psi |
| Air inlet | 1/4" |
| Net weight | 0,5 kg |

0418

REVERSIBLE AIR DRILL

Chuck 10 Ø mm , with rear exhaust 360°, composite body design.



Box

| | |
|------------------|--------------------|
| Chuck sizes | Ø 10 mm |
| Speed | 1800 rpm |
| Avg air cons. | 4 SCFM (113 l/min) |
| Working pressure | 6 bar / 90 psi |
| Air inlet | 1/4" |
| Net weight | 0,9 kg |

0414

AIR DIE GRINDER

3 mm and 6 mm, with rear exhaust 360°, exclusive composite body design.



Box

| | |
|------------------|--------------------|
| Pliers | ø 3 mm - ø 6 mm |
| Speed | 22000 rpm |
| Avg air cons. | 7 SCFM (198 l/min) |
| Working pressure | 6 bar / 90 psi |
| Air inlet | 1/4" |
| Net weight | 0,6 kg |

0417

LONG TYPE AIR DIE GRINDER

3 and 6 mm pincers, with rear exhaust 360°, exclusive composite body design.



Box

| | |
|------------------|--------------------|
| Pliers | ø 3 mm - ø 6 mm |
| Length | 295 mm |
| Speed | 20000 rpm |
| Avg air cons. | 4 SCFM (113 l/min) |
| Working pressure | 6 bar / 90 psi |
| Air inlet | 1/4" |
| Net weight | 0,6 kg |

0419

6" AIR ORBIT SANDER WITH SUCTION

And speed control, hook & loop pad, 360° rear exhaust, die cast aluminum body with soft handle grip in lightweight and ergonomic design.



Box

| | |
|------------------|-------------------|
| Disc diameter | 150 mm - 6" |
| Orbit | 5 mm, 3/16" |
| Speed | 10500 rpm MAX. |
| Avg air cons. | 3 SCFM (85 l/min) |
| Working pressure | 6 bar / 90 psi |
| Air inlet | 1/4" |
| Length | 200 mm |
| Net weight | 1 kg |

0421
6" AIR ORBIT SANDER WITH SELF-INTEGRATED SUCTION

Speed control, hook & loop pad, 360° rear exhaust, die cast aluminum body with soft handle grip in lightweight and ergonomic design, corrugated hose and dust bag.



Box

| | |
|------------------|-------------------|
| Disc diameter | 150 mm - 6" |
| Orbit | 5 mm, 3/16" |
| Speed | 10500 rpm |
| Avg air cons. | 3 SCFM (85 l/min) |
| Working pressure | 6 bar / 90 psi |
| Air inlet | 1/4" |
| Length | 200 mm |
| Net weight | 1 kg |

0460
6" AIR ORBIT SANDER WITH SELF-INTEGRATED SUCTION

Speed adjustable, revolving rear air outlet, aluminum body, soft and ergonomic handle, Suction tube and dust collection bag.



Box

| | |
|------------------|-------------------|
| Disc diameter | 150 mm - 6" |
| Orbit | 2,5 mm - 3 / 32" |
| Max speed | 10500 rpm |
| Avg air cons. | 3 SCFM (85 l/min) |
| Working pressure | 6 bar / 90 psi |
| Air inlet | 1/4" |
| Length | 200 mm |
| Net weight | 1 kg |

0047
REVERSIBLE AIR SCREWDRIVER


Box



1/4"

| | |
|------------------|---------------------|
| Speed | 9000 rpm |
| Screw | 4-5 mm |
| Torque | 2,3 - 6,8 Nm |
| Length | 180 mm |
| Avg air cons. | 5 SCFM (150 l/min.) |
| Working pressure | 6 bar / 90 psi |
| Air inlet | 1/4" |
| Net weight | 0,8 kg |

0458
6" AIR ORBIT SANDER WITH SUCTION

Speed control, 2.5 mm orbit, hook & loop pad, 360° rear exhaust, die cast aluminum body with soft handle grip in lightweight and ergonomic design.



Box

| | |
|------------------|-------------------|
| Disc diameter | 150 mm - 6" |
| Orbit | 2,38 mm - 3 / 32" |
| Max speed | 10500 rpm |
| Avg air cons. | 3 SCFM (85 l/min) |
| Working pressure | 6 bar / 90 psi |
| Air inlet | 1/4" |
| Length | 200 mm |
| Net weight | 1 kg |

0046
AIR RATCHET WRENCH SET

With 7 sockets, a fixed 75 mm extension for sockets, a 75 mm extension with joint for sockets, 1/4" nozzle, three screwdriver bits and a fixed 75 mm extension for screwdriver bits.



16 Pcs



Carrying case



1/2"

| | |
|------------------|------------------------|
| Speed | 160 rpm |
| Torque | 65 Nm |
| Socket | 9-10-11-13-14-17-19 mm |
| Extension | 75 mm |
| Universal joint | 1/2" |
| Bit holder | 1/4" |
| Avg air cons. | 4 SCFM (120 l/min.) |
| Working pressure | 6 bar / 90 psi |
| Air inlet | 1/4" |
| Net weight | 2,6 kg |


0039
REVERSIBLE AIR DRILL


Box

| | |
|------------------|---------------------|
| Chuck sizes | Ø 10 mm |
| Speed | 1800 rpm |
| Avg air cons. | 5 SCFM (150 l/min.) |
| Working pressure | 6 bar / 90 psi |
| Air inlet | 1/4" |
| Net weight | 1,1 kg |



0574

REVERSIBLE AIR DRILL



Box

| | |
|------------------|--------------------|
| Chuck sizes | Ø 10 mm |
| Speed | 1800 rpm |
| Avg air cons. | 5 SCFM (150 l/min) |
| Working pressure | 6 bar / 90 psi |
| Air inlet | 1/4" |
| Net weight | 1 kg |

0313

5" AIR ANGLE DIE GRINDER



Box

| | |
|------------------|--------------------|
| Saw blade | Ø 125 mm |
| Speed | 10000 rpm |
| Avg air cons. | 5 SCFM (150 l/min) |
| Working pressure | 6 bar / 90 psi |
| Air inlet | 1/4" |
| Net weight | 2 kg |

0050

AIR DIE GRINDER SET



13 Pcs



Carrying case

| | | | |
|---------------|---------------------|------------------|----------------|
| Pliers | Ø 3 mm - Ø 6 mm | Working pressure | 6 bar / 90 psi |
| Mounted stone | 10 Pcs / Pcs | Air inlet | 1/4" |
| Speed | 22000 rpm | Net weight | 1,2 kg |
| Avg air cons. | 4 SCFM (120 l/min.) | | |

0051

AIR DIE GRINDER



Box

| | |
|------------------|---------------------|
| Pliers | Ø 3 mm - Ø 6 mm |
| Speed | 22000 rpm |
| Avg air cons. | 4 SCFM (120 l/min.) |
| Working pressure | 6 bar / 90 psi |
| Air inlet | 1/4" |
| Net weight | 0,8 kg |

0570

AIR DIE GRINDER SET

With 10 clips, 2 pliers, 1 nozzle for connecting the feeding tube.



14 Pcs



Carrying case

| | |
|--------------------------------------|---------------------|
| Pliers | Ø 3 mm - Ø 6 mm |
| Mounted stone | 10 Pcs |
| Speed | 21000 rpm |
| Power | 0,45 hp |
| Avg air cons. | 5 SCFM (150 l/min.) |
| Working pressure | 6 bar / 90 psi |
| Sound pressure emitted in atmosphere | 77.9 ± 3.0 dB(A) |
| Air inlet | 1/4" |
| Net weight | 1 kg |

0115

AIR DIE GRINDER



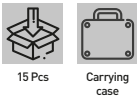
Box

| | |
|------------------|---------------------|
| Pliers | Ø 3 mm - Ø 6 mm |
| Speed | 20000 rpm |
| Length | 295 mm |
| Avg air cons. | 4 SCFM (120 l/min.) |
| Working pressure | 6 bar / 90 psi |
| Air inlet | 1/4" |
| Net weight | 0,7 kg |

0641

FLEXIBLE PNEUMATIC MICROGRINDING WHEEL

For grinding and chamfering



| | |
|------------------|--------------------|
| Collet capacity | 3 mm |
| Speed | 56000 rpm |
| Avg air cons. | 2 SCFM (60 l/min.) |
| Working pressure | 6 bar / 90 psi |
| Air inlet | 1/4" |
| Net weight | 0,7 kg |

0644

PNEUMATIC AXIAL GRINDING WHEEL



| | | | |
|---------------|----------------------|------------------|----------------|
| Saw blade | Ø 75 x 1,5 x Ø 10 mm | Working pressure | 6 bar / 90 psi |
| Speed | 15000 rpm | Air inlet | 1/4" |
| Avg air cons. | 5 SCFM (150 l/min.) | Net weight | 0,7 kg |

0049

OILER

For pneumatic tools.



W021PG

TYRE INFLATING GUN



| | |
|--------------------|-------------------------|
| Max. pressure | 12 bar (170 psi) |
| Working pressure | 2 - 4 bar (30 - 60 psi) |
| Accuracy | ±1% |
| Rubber hose length | 440 mm |
| Air inlet | 1/4" |

0784

AIR BELT SANDER

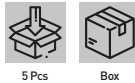
With spare belts. Light metal body.



| | | | |
|------------------|---------------------|------------|-------------|
| Speed | 16000 rpm | Belt | 10 x 330 mm |
| Avg air cons. | 6 SCFM (180 l/min.) | Air inlet | 1/4" |
| Working pressure | 6 bar / 90 psi | Net weight | 0,9 kg |

0059

HEAVY DUTY AIR HAMMER WITH 4 HEXAGONAL CHISELS



| | | | |
|---------------|----------------------------|------------------|----------------|
| Speed | BPM 3500 | Working pressure | 6 bar / 90 psi |
| Bore-stroke | 19 x 66 mm / 3/4" x 2 5/8" | Air inlet | 1/4" |
| Avg air cons. | 4,5 SCFM (135 l/min) | Net weight | 1,5 kg |

W021PA

BLOW GUN



| | |
|------------------|-----------|
| Nozzle | 2.0 mm |
| Working pressure | 2 - 6 bar |
| Air inlet | 1/4" |

W021PN

WASHING GUN

With aluminium body and steel cup.



| | |
|------------------|-----------|
| Capacity | 900 ml |
| Nozzle | 4.5 mm |
| Working pressure | 3 - 4 bar |
| Air inlet | 1/4" |



0607

BLOW GUN



Alu

Blister Aluminum

| | |
|------------------|---------|
| Nozzle | 2.0 mm |
| Working pressure | 4-6 bar |
| Air inlet | 1/4" |

0125

DIGITAL TYRE GAUGE

With backlight and various measurement units. Equipped with tyre valve screwdriver.



Blister

| | |
|------------------------|-------------------------|
| Max. pressure | 8 bar (110 psi) |
| Working pressure | 2 - 4 bar (30 - 60 psi) |
| Reading | 0,05 bar 0,7 psi |
| Not included batteries | 2 x 1.5V AAA |
| Air inlet | 1/4" |

0608

TYRE INFLATING GUN



Blister

| | |
|--------------------|----------------------|
| Manometer | ø 63 mm |
| Reading | 0÷12 bar 0÷174 psi |
| Rubber hose length | 420 mm |
| Air inlet | German-type rapid |

0610

WASHING GUN



Box

| | |
|-----------|---------|
| Capacity | 1000 ml |
| Air inlet | 1/4" |

0609

TYRE INFLATING GUN



Blister

| | |
|--------------------|----------------------|
| Manometer | ø 70 mm |
| Reading | 0÷12 bar 0÷174 psi |
| Rubber hose length | 1000 mm |
| Air inlet | 1/4" |

0725

BLOW GUN



Blister

| | |
|-------------|--------|
| Hose length | 100 mm |
| Air inlet | 1/4" |

0725L

LONG NOSE BLOW GUN



Blister

| | |
|-------------|--------|
| Hose length | 275 mm |
| Air inlet | 1/4" |

0412

BLOW GUN

High quality, with chromed steel 100 mm nozzle gun body in POM plastic (Polyoxymethylene) brass valve.



Blister

| | |
|-------------|--------|
| Hose length | 100 mm |
| Air inlet | 1/4" |

TH601A
GRAVITY FEED SPRAY GUN

600ml feed HVLP spray gun, nylon gravity cup, made with CNC machine, without O-ring, with stainless steel nozzle and needle, brass air cap, alum clamp and knobs. HVLP = high volume, low pressure.



Box

INOX


Chromed



| | |
|------------------|----------------|
| Capacity | 600 ml |
| Nozzle diameter | 1,3 mm |
| Fluid delivery | 130 ml/min |
| Working pressure | 2 bar (29 PSI) |
| Working range | 200 mm |
| Pattern | 280 - 300 mm |
| Air inlet | 1/4" |
| Net weight | 0,5 kg |

TH602A
GRAVITY FEED SPRAY GUN

100ml feed HVLP spray gun, nylon gravity cup, made with CNC machine, without O-ring, with stainless steel nozzle and needle, brass air cap, alum clamp and knobs, male thread fitting 1/4" HVLP = high volume, low pressure.



Box

INOX


Chromed



| | |
|------------------|------------------|
| Capacity | 100 ml |
| Nozzle diameter | 1,0 mm |
| Fluid delivery | 50 ml/min |
| Working pressure | 1,5 bar (20 PSI) |
| Working range | 150 mm |
| Pattern | 160 mm |
| Air inlet | 1/4" |
| Net weight | 0,3 kg |

TH901A
GRAVITY FEED SPRAY GUN

600ml feed LVMP spray gun, nylon gravity cup, made with CNC machine, without O-ring, with stainless steel nozzle and needle, brass air cap, alum clamp and knobs. LVMP = low volume, medium pressure.



Box

INOX


Chromed



| | |
|------------------|---------------------------|
| Capacity | 600 ml |
| Nozzle diameter | 1,3 mm |
| Fluid delivery | 140 ml/min |
| Working pressure | 2 ÷ 2,2 bar (29 ÷ 32 PSI) |
| Working range | 200 mm |
| Pattern | 270 - 300 mm |
| Air inlet | 1/4" |
| Net weight | 0,5 kg |

A601DS
SUCTION SPRAY GUN

1000ml suction HVLP spray gun with baionet lock, aluminum cup, made with CNC machine, without O-ring, with stainless steel nozzle and needle brass air cap, alum clamp and knobs. HVLP = high volume, low pressure.



Box

INOX


Chromed



| | |
|------------------|-------------|
| Nozzle | Ø 1,4 mm |
| Capacity | 1000 cc |
| Working pressure | 2,5 - 3 bar |
| Air inlet | 1/4" |
| Net weight | 1,1 kg |

A601A
GRAVITY FEED SPRAY GUN

600ml feed HVLP spray gun, nylon gravity cup, made with CNC machine, without O-ring, with stainless steel nozzle and needle brass air cap, blue color alum clamp and knobs. HVLP = high volume, low pressure.



Box

INOX


Chromed



| | |
|------------------|---------------|
| Nozzle | Ø 1,4 mm |
| Capacity | 600 cc |
| Working pressure | 2,5 - 3,5 bar |
| Air inlet | 1/4" |
| Net weight | 1 kg |

A602A
GRAVITY FEED SPRAY GUN

100ml feed HVLP spray gun, nylon gravity cup, made with CNC machine, without O-ring, with stainless steel nozzle and needle brass air cap, blue color alum clamp and knobs. HVLP = high volume, low pressure.



Box

INOX


Chromed



| | |
|------------------|-------------|
| Nozzle | Ø 1,0 mm |
| Capacity | 100 cc |
| Working pressure | 2 - 2,5 bar |
| Air inlet | 1/4" |
| Net weight | 0,5 kg |



A901A

GRAVITY FEED SPRAY GUN

600ml feed LVMP spray gun, nylon gravity cup, made with CNC machine, without O-ring, with stainless steel nozzle and needle, brass air cap, blue color alum clamp and knobs. LVMP = low volume, medium pressure.



| | |
|-----------------|---------------------|
| Capacity | 600 ml |
| Nozzle diameter | 1,4 mm |
| Fluid delivery | 200-380 ml/min |
| Max. pressure | 2-3 bar (30-43 PSI) |
| Air inlet | 1/4" |
| Net weight | 0,6 kg |

A902A

GRAVITY FEED SPRAY GUN

100ml feed LVMP spray gun, nylon gravity cup, made with CNC machine, without O-ring, with stainless steel nozzle and needle brass air cap, blue color alum clamp and knobs. 1/4" LVMP = low volume, medium pressure.



| | |
|-----------------|-----------------------------|
| Capacity | 100 ml |
| Nozzle diameter | 1 mm |
| Fluid delivery | 45 - 65 ml/min |
| Max. pressure | 1.5 - 2.5 bar (22 - 36 PSI) |
| Air inlet | 1/4" |
| Net weight | 0,3 kg |

A162DS

SPRAY GUN WITH FLUID CUP PROVIDED WITH BAYONET LOCK

Aluminum cover.



| | |
|------------------|---------------|
| Nozzle | Ø 1,8 mm |
| Capacity | 1000 cc |
| Working pressure | 4-8 bar |
| Air consumption | 100-200 l/min |
| Air inlet | 1/4" |
| Net weight | 0,9 kg |

A162C

SPRAY GUN WITH FLUID CUP PROVIDED WITH RAPID LOCK

Aluminum cover.



| | |
|------------------|---------------|
| Nozzle | Ø 1,8 mm |
| Capacity | 1000 cc |
| Working pressure | 4-8 bar |
| Air consumption | 100-200 l/min |
| Air inlet | 1/4" |
| Net weight | 0,8 kg |

A162A

SPRAY GUN WITH GRAVITY FLOW CUP



| | |
|------------------|---------------|
| Nozzle | Ø 1,8 mm |
| Capacity | 500 cc |
| Working pressure | 4-8 bar |
| Air consumption | 100-200 l/min |
| Net weight | 0,5 kg |

0048

MINI SPRAY GUN

Fitting for pressurized air container and 1/4" fitting for air compressor.



TH250
PRESSURE REGULATOR

With gauge for air tools.



Blister

| | |
|-----------|----------------------|
| Manometer | ø 40 mm |
| Reading | 0÷11 bar 0÷160 psi |

0777/2
REDUCER WITH GAUGE AND FILTER


Box

| | |
|---------|----------------------|
| Shank | 1/4" - 3/8" - 1/2" |
| Reading | 0÷10 bar 0÷140 psi |

0785-XM
SET 2 PCS UNIVERSAL MALE QUICK COUPLER

| Art. | Shank |
|---------|-------|
| 0785/1M | 1/4" |
| 0785/2M | 3/8" |


0783-XM
SET 2 PCS OF GERMAN TYPE MALE PLUG

| Art. | Shank |
|---------|-------|
| 0783/1M | 1/4" |
| 0783/2M | 3/8" |


S075-
POLYURETHANE SPIRAL HOSE WITH SWIVEL MALE FITTING

| Art. | Length | Diameter | Thread |
|-------------|--------|---------------|--------|
| S075/08X5 | 7,5 m | Ø 8 x 5 mm | 1/4" |
| S075/10X6.5 | 7,5 m | Ø 10 x 6,5 mm | 1/4" |
| S100/08X5 | 10 m | Ø 8 x 5 mm | 1/4" |
| S100/10X6.5 | 10 m | Ø 10 x 6,5 mm | 1/4" |
| S100/12X8 | 10 m | Ø 12 x 8 mm | 1/4" |

TH500
PRESSURE REGULATOR

With gauge for air tools.



Blister

| | |
|-----------|----------------------|
| Manometer | ø 30 mm |
| Reading | 0÷10 bar 0÷145 psi |

0777/3
REDUCER WITH GAUGE, FILTER AND OILER


Box

| | |
|---------|----------------------|
| Shank | 1/4" - 3/8" - 1/2" |
| Reading | 0÷10 bar 0÷140 psi |

0785-XF
SET 2 PCS UNIVERSAL FEMALE QUICK COUPLER

| Art. | Shank |
|---------|-------|
| 0785/1F | 1/4" |
| 0785/2F | 3/8" |


0783-XF
2 PCS SET GERMAN TYPE FEMALE PLUG

| Art. | Shank |
|---------|-------|
| 0783/1F | 1/4" |
| 0783/2F | 3/8" |

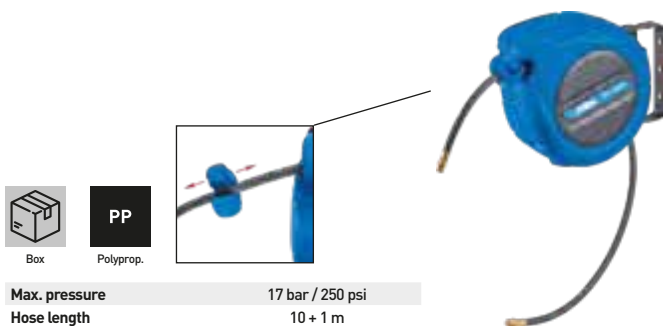




A481/10

AUTO REWIND AIR HOSE REEL

Made of polypropylene shell, with polyurethane mesh hose and regulation for distributing evenly the tube in the internal part, tools free adjustable stop ball and 180° swivel mount bracket.

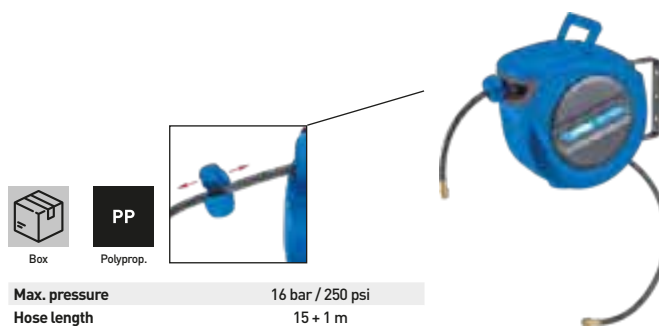


| | |
|---------------------|------------------|
| Max. pressure | 17 bar / 250 psi |
| Hose length | 10 + 1 m |
| Male Fitting | 1/4" BSPT |
| Hose diameter | ø 12 x 8 mm |
| Working temperature | 0 ÷ 45° C |
| Net weight | 2,9 kg |

A481/15

AUTO REWIND AIR HOSE REEL

Made of polypropylene shell, with polyurethane mesh hose and regulation for distributing evenly the tube in the internal part, tools free adjustable stop ball and 180° swivel mount bracket.

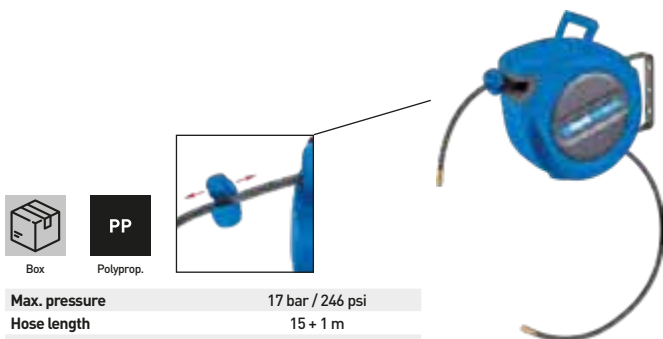


| | |
|---------------------|------------------|
| Max. pressure | 16 bar / 250 psi |
| Hose length | 15 + 1 m |
| Male Fitting | 1/4" BSPT |
| Hose diameter | ø 12 x 8 mm |
| Working temperature | 0 ÷ 45° C |
| Net weight | 4,4 kg |

A481/15H

AUTO REWIND AIR HOSE REEL

Made of polypropylene shell, with polyurethane mesh hose and regulation for distributing evenly the tube in the internal part, tools free adjustable stop ball and 180° swivel mount bracket.

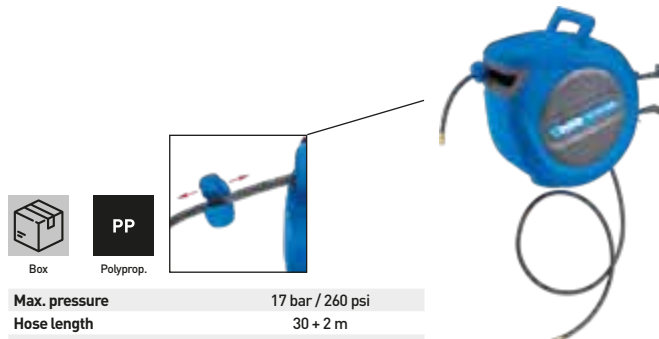


| | |
|---------------------|------------------|
| Max. pressure | 17 bar / 246 psi |
| Hose length | 15 + 1 m |
| Male Fitting | 3/8" BSPT |
| Hose diameter | ø 13.5 x 9.5 mm |
| Working temperature | 0 ÷ 45° C |
| Net weight | 4,5 kg |

A481/30H

AUTO REWIND AIR HOSE REEL

Made of polypropylene shell, with polyurethane mesh hose and regulation for distributing evenly the tube in the internal part, tools free adjustable stop ball, low speed retraction system and 180° swivel mount bracket.



| | |
|---------------------|------------------|
| Max. pressure | 17 bar / 260 psi |
| Hose length | 30 + 2 m |
| Male Fitting | 3/8" BSPT |
| Hose diameter | ø 13.5 x 9.5 mm |
| Working temperature | 0 ÷ 45° C |
| Net weight | 9 kg |

0378/1510

AUTO REWIND AIR HOSE REEL

With pu mesh hose and regulation for distributing evenly the tube in the internal part.



| | |
|---------------------|------------------|
| Max. pressure | 18 bar / 260 psi |
| Hose length | 15 + 1 m |
| Male Fitting | 3/8" BSPT |
| Hose diameter | ø 13,5 x 9,5 mm |
| Working temperature | 0 ÷ 45° C |
| Net weight | 5 kg |

0481/15

AUTO REWIND AIR HOSE REEL

With pu mesh hose, german type female quick coupler, german type female plug and regulation for distributing evenly the tube in the internal part.



| | |
|---------------------|------------------|
| Max. pressure | 16 bar / 250 psi |
| Hose length | 15 + 1 m |
| Male Fitting | 1/4" BSPT |
| Hose diameter | ø 12 x 8 mm |
| Working temperature | 0 ÷ 45° C |
| Net weight | 4,5 kg |



0793

WOOD-BURNING PEN SET WITH 6 PINS OF DIFFERENT SHAPE



Power 230 V 50 Hz 30 W

0031

HIGH PRECISION TEMPERATURE -CONTROLLED SOLDERING IRON STATION

Adjustable temperature 150°C - 420°C, iron tip with hole ø 6 mm.



| | |
|---------------------|--------------------|
| Melting point | 215° |
| Working temperature | 215 ÷ 300°C |
| Max temperature | 450°C |
| Power | 230 V, 50 Hz, 37 W |

0027/40W

SOLDERING IRON



| | |
|---------------------|------------------|
| Power | 230 V 50 Hz 40 W |
| Working temperature | 450°C ± 10% |

0037

SOLDERING IRON COMBINATION SET



Power 230V 50Hz 30W

0033A

HIGH PRECISION TEMPERATURE -CONTROLLED SOLDERING IRON STATION

Adjustable temperature 150-420°C, iron tip with hole ø 6 mm.



| | |
|------------------------|-------------|
| Melting point | 215° |
| Working temperature | 215 ÷ 300°C |
| Max temperature | 420°C |
| Power station supply | 230 V 50 Hz |
| Soldering power supply | 24 V 48 W |

0027/30W

SOLDERING IRON



| | |
|---------------------|------------------|
| Power | 230 V 50 Hz 30 W |
| Working temperature | 450°C ± 10% |

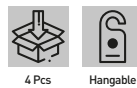
0033A/TIP

SOLDERING IRON TIP SET



0027/40W/TIP

SOLDERING IRON TIP SET



0037/TIP

SOLDERING IRON SPARE PART TIP

Set of tips with hole ø 6 mm.





0864

GAS SOLDERING IRON

Tip and solder heads with protection cap and gas igniter.



Blister

Dimensions 165 x 23 mm

0026

SOLDERING GUN

With tin and a spare pointer.



Blister

Power 230 V 50 Hz 100 W

0443

FAST HEATING SOLDERING GUN

With adjustable temperature.



Carrying case

Power 230V 50Hz 200W
Temperature 70 °C ÷ 500 °C

0024

HOT AIR GUN



Box

Temperature 300 °C - 500 °C
Air stream 280 l/min - 480 l/min
Power 230 V 50Hz 1,5 kW

0694

HOT AIR GUN SET

At 2 temperatures, with spatula, scrapers and diffusers.



10 Pcs



Carrying case

Temperature 300 °C - 600 °C
Air stream 500 l/min - 650 l/min
Power 230 V 50 Hz 1 - 2 kW

0444

DIGITAL HOT AIR GUN SET

With electronic temperature control, lcd display to show the temperature, 2 levels of air flow, ideal for heating, folding, bending, removing paint.



6 Pcs



Box



ABS

Power 230 V, 50 Hz, 2000 W
Temperature I 50°C - II 70°C ÷ 600°C - III 70°C ÷ 600°C
Air stream I 300L/min - II 300L/min - III 500L/min

0865

ELECTRIC BARBECUE LIGHTER

Lights charcoal on the barbecue or in the fireplace completely without chemicals and matchsticks. 600°C heat generated and sets charcoal on fire in approx. 30 - 60 seconds



Box

Power 230 V, 50 Hz, 2000 W
Temperature 600° C

0441

HOT KNIFE FOR POLYSTYRENE WITH ADJUSTABLE TEMPERATURE

For polystyrene, plastic, foam and sponge, adjustable cutting length, metal stand.



Box

Power 230 V, 50 Hz, 220 W
Temperature 120 - 220 - 330 - 400 - 450 °C
Cutting capacity with adjustment 20 ÷ 90 mm
Max cut 150 mm



0321

HOT KNIFE FOR POLYSTYRENE WITH ADJUSTABLE TEMPERATURE

For polystyrene, plastic, foam and sponge, adjustable cutting length.



Box

| | |
|----------------------------------|---------------------|
| Power | 230 V, 50 Hz, 130 W |
| Temperature | Max 450 °C |
| Cutting capacity with adjustment | 14 ÷ 97 mm |
| Max cut | 120 mm |

0333

HOT KNIFE FOR POLYSTYRENE WITH ADJUSTABLE TEMPERATURE

For polystyrene, plastic, foam and sponge, adjustable cutting length, metal stand.



Carrying case

| | |
|-------------|---------------------|
| Power | 230 V, 50 Hz, 150 W |
| Temperature | Max 500 °C |
| Max cut | 150 mm |

0706

GLUE GUN TRIGGER FEED



Carrying case

| | |
|------------|------------------|
| Power | 230 V 40W 300 °C |
| Glue stick | Ø 12 mm |

0333/150

SPARE BLADE



0034

HOT MELT GLUE STICKS



10 Pcs



Blister

| | |
|------------|---------------------------|
| Dimensions | Ø 12 x 200 mm Tot. 200 gr |
|------------|---------------------------|

0431

GLUE GUN TRIGGER FEED

Equipped with automatic advance and Led to signal connection to electric power.



Blister

| | |
|------------|---------------------|
| Power | 230 V, 35 W, 200 °C |
| Glue stick | Ø 12 mm |
| Glue flow | 16 ÷ 20 g/min |



10 Pcs



Blister

| | |
|------------|-------------------------|
| Dimensions | Ø 12 x 200 mm 200 gr mm |
|------------|-------------------------|



0071

HOT MELT GLUE STICKS

**0156-****FLEXIBLE OIL-CAN**

| Art. | Capacity |
|----------|----------|
| 0156/200 | 200 cc |
| 0156/500 | 500 cc |

0164/250**OILER WITH VERTICAL FLEXIBLE SPOUT**

Plastic

| | |
|----------|--------|
| Capacity | 250 cc |
|----------|--------|

0171-**MEASURING JUG**

With flexible spout, screw cover and anti-dripping end cap.



Plastic

| Art. | Capacity |
|--------|----------|
| 0171/2 | 2 l |
| 0171/3 | 3 l |
| 0171/5 | 5 l |

0172/150**PLASTIC FUNNEL**

Closing screw, flexible spout, anti-dripping top/end covers and upper handle for the hanging.



Plastic

| | |
|----------|---------|
| Diameter | Ø150 mm |
| Height | 435 mm |

0158/500**OILER WITH FLEXIBLE SPOUT**

Plastic



| | |
|----------|--------|
| Capacity | 500 ml |
|----------|--------|

0473-**OIL DRAIN PAN**

With pouring spout and handles, made of high density polyethylene, impact resistant.



| Art. | Capacity | Dimensions |
|---------|----------|----------------|
| 0473/10 | 10 l | Ø400 x 120h mm |
| 0473/15 | 15 l | Ø500 x 130h mm |

0183/750**PLASTIC CAN WITH SPOUT**

Plastic



| | |
|----------|--------|
| Capacity | 750 ml |
|----------|--------|

0677/500
500CC HAND OPERATED LEVER GREASE GUN

Composed of metal tank and pump, coupler and 300 mm PVC flexible hose, for using with loose grease or ø 53 mm grease cartridges.



Box

| | |
|---------------------|--------------|
| Capacity | 500 cc |
| Flexible hose sizes | ø 8 x 300 mm |

0677
HAND OPERATED LEVER GREASE GUN

Composed of metal tank and pump, coupler and 450 mm PVC flexible hose for using ø 55 mm grease cartridges or loose grease (adaptor already mounted).



Box

| | |
|---------------------|--------------|
| Capacity | 1000 cc |
| Flexible hose sizes | ø 9 x 450 mm |

0677/1A
AIR OPERATED GREASE GUN

To be used with ø 55 mm cartridge or loose grease with 2 grease cartridges, 400 mm reinforced hose included and 4 jaw adjustable fitting.



Box

| | |
|------------------|---------------|
| Capacity | 800 cc |
| Dimensions | ø 60 x 500 mm |
| Working pressure | 4 - 6 bar |
| Max. pressure | 10 bar |

0677/500CG
GREASE CARTRIDGE

Based on lithium soap, dropping point > 185 ° C, resistant to high loads



Box

| | |
|------------|---------|
| Capacity | 500cc |
| Dimensions | ø 53 mm |

0677/CG
GREASE CARTRIDGE

Based on lithium soap, dropping point > 185 ° C, resistant to high loads



Box

| | |
|------------|---------|
| Capacity | 650 cc |
| Dimensions | ø 55 mm |

0677/S0
PLASTIC SUCTION DISCHARGE GUN


Box

Plastic

| | |
|------------|---------------|
| Capacity | 500 g |
| Dimensions | ø 50 x 500 mm |

**G030-****EMULSIFIABLE COOLANT AND LUBRICANT FLUID**

Of high quality, mixable with water in these percentages: grinding: 2.5-3.5%, turning and milling: 3.00-4.00%, deep drilling: 4.00-7.00%, threading, tapping and light stamping: 7-15%.



| Art. | Quantity |
|---------|----------|
| G030/01 | 1 l |
| G030/05 | 5 l |
| G030/25 | 25 l |

**S401/00****MULTI-FUNCTION SPRAY**

A multipurpose product: it lubricates, protects, and releases. It is water-repellent and corrosion preventive. It protects parts subject to exposed water-pins, levers, and outboard motor parts. It meets the nautical market requirements and thanks to its high waterproofing / water-repellent capacities it's ideal for maintenance on any machine part.



Capacity 400 ml

**S401/01****COLD GALVANIZER**

Cold galvanizer with high molecular weight, it chemically solidifies producing a long lasting metal coating. It protects all metal surfaces from oxidation. It forms an even resistant layer which can be painted or left as a final protection. It is ideal for retouching, for finishing and repairing galvanized parts.



Capacity 400 ml

**S401/02****MULTIPURPOSE GREASE**

A compound of high quality saponified greases. Grease with a wide range of use, good chemical stability, water-repellent and adhesiveness properties. It protects against water and it is perfectly stable and resistant to salty and dirty atmospheres, acid and basic solution and atmospheric corrosion. Ideal for lubricating bearing, bushings, hubs, kingpins, guides and general use on motor vehicles, farming and industrial machinery.



Capacity 400 ml

**S401/03****SOLVENT AND RELEASING**

Penetrating synthetic fluid with a high solvent and releasing power, it facilitates the releasing process of bolts, joints, threads, hinges and all other mechanical parts from rust and oxidation. It also leaves a long lasting waterproof and water repellent protective film.



Capacity 400 ml

**S401/04****PURE SILICONE OIL**

Solution based on pure silicone oil that has anti-stick release agents and lubricants on various materials. It also gives a good water repellency on treated materials preventing the accumulation of electrostatic charges. It works as polishing and protective on plastic parts and it protects the seals from cracking increasing tightness and durability.



Capacity 400 ml



S401/05
WELDING ANTIADHESIVE

A product made of filmforming synthetic polymers which, owing to their special features, it prevents the seizure of welding spatter to any surface. The film also prevents oxidation and corrosion caused by chemicals. It is suitable for autogenous, electric and inert-gas welding. The compound is free of silicon substances.



Capacity 400 ml


S401/06
SPRAY STAINLESS STEEL

This zinc coating is silicone resin based and it forms a protective layer. Formulated to remain unchanged over time with exceptional resistance to chemical corrosion and weathering and good mechanical strength. Quick drying coating.



Capacity 400 ml


S401/08
DRY PTFE LUBRICATING AGENT

Dry, water-repellent, anti-adhesive lubricant. Does not withhold dust and does not stain. It forms a dry and flexible layer of PTFE on the part treated that adheres tightly to metal, wood, and plastic, etc. Temperature-resistant between -80°C and +260°C. It provides protection against corrosion. Ideal for drive chains, threads, rollers, belts, guides and heavy-duty tools, etc.



Capacity 400 ml


S401/09
COPPER GREASE

This product is made of super fine foliated copper particles and special corrosion inhibitors. It has protective and lubricating properties at high temperatures. Resistance to high temperatures (1000 °C), high adhesive capacity and anti-corrosion capacity make it ideal for all cases where heat or a highly corrosive environment can create irreversible blocks: slip, ring, pins, motor, exhausts, electrical, contacts, threaded connections, injection valves, etc.



Capacity 400 ml


S401/10
CUTTING OIL

New product developed for specific professional applications in hard metal cutting and operations. Oil with a paraffin mineral base enriched with special EP anti-weld additives. Ideal for use in difficult threading operations with particularly hard, alloy steel. Suitable for use in the hydraulic sector.



Capacity 400 ml


S401/11
AIR CLEAN

It removes dust even from lesser accessible parts. It is a must for cleaning lenses, objectives, computers and any kind of mechanism.



Capacity 400 ml



**S401/12****DE-OXIDIZING AGENT FOR ELECTRIC CONTACTS**

Specifically formulated for the deep cleaning of electrical, electronic and electromagnetic contacts. It immediately removes humidity and oily substances like grease, oil, sludge, wax and glue from the surface, leaving it clean and degreased. The product might be corrosive to certain delicate surfaces.



Capacity 400 ml

**S401/13****VASELINE OIL**

Pure vaseline oil particularly indicated for applications where periodically maintenance, cleaning and lubrication are necessary. It is recommended for the lubrication of delicate mechanism. Due to its special formulation it protects and lasts for long time.



Capacity 400 ml

**S401/07****BRAKE CLEANER, CARBURETORS AND THROTTLE BODIES**

Special cleaner particularly effective on all mechanical components that require to be degreased without rinsing such as brakes and clutches. It rapidly dissolves oil, grease and other dirty substances. Developed for cleaning throttle bodies and intake manifolds that are made out of plastic material. It removes carbon and oily deposits from the throttle body and the entire intake system. It reduces the emission of harmful exhaust gases.



Capacity 500 ml

**S401/14****PURE ZINC**

It is a cold galvanizer with high molecular weight. It chemically solidifies producing a long-lasting metal coating. It protects all metal surfaces from oxidation. It forms a resistant layer which can be painted or left as a final protection. It offers exceptional resistance to weathering in difficult conditions. It is ideal for retouching, finishing, and repairing galvanized parts.



Capacity 400 ml

**S401/15****ZINC ADHESIVE LUBRICANT FOR CHAINS**

High performance chain grease, this high quality product developed and tested for the racing industry (on-and off-road motorcycles) provides guaranteed lubrication for extended periods of intense use. It reduces wearing of chains, crowns, pinions and all mechanical moving parts, while also protecting against water and dust.



Capacity 400 ml

**S401/16****LITHIUM GREASE**

Contains lithium and titanium oxides that make it specific and suitable for the nautical sector. It has long-term lubrication and performs in the presence of saline and aggressive atmospheres. It has long-term stability and resistance to oxidation. It protects surfaces from corrosive agents and it is suitable for both high temperatures (220°C/428°F) and low temperatures (-40°C/-40°F). Excellent for lubricating pins, joints, transmissions, levers, suspensions, hinges and exposed machine parts.



Capacity 400 ml



0660-

PLASTIC FUEL TANK

With flexible filler, "un" certified according to european directives



Plastic

| Art. | Capacity Liters | Dimensions | Net weight |
|---------|-----------------|---------------------|------------|
| 0660/05 | 5 | 260 x 120 x 250h mm | 0,5 kg |
| 0660/10 | 10 | 330 x 160 x 300h mm | 0,7 kg |
| 0660/20 | 20 | 400 x 200 x 360h mm | 1 kg |

0189-

METAL FUEL TANK

With flexible filler, "un" certified according to european directives



| Art. | Capacity Liters | Net weight |
|----------|-----------------|------------|
| 0189/05C | 5 | 1,5 kg |
| 0189/10C | 10 | 2,5 kg |
| 0189/20C | 20 | 3,7 kg |

0189/G

METAL POURING SPOUT



Pack 10

0194

METAL POURING SPOUT



Pack 5

0356

TROLLEY PRESSURE SPRAYER WITH BRASS LANCE PIPE

With FPM gaskets.



Box

Capacity 16 L

0303

PRESSURE SPRAYER WITH BRASS LANCE PIPE

With gauge and FPM gaskets.



Box

Capacity 8 L

**0274****PRESSURE SPRAYER WITH BRASS NOZZLE**

With FPM gaskets.



Capacity 2 l

0289**PRESSURE SPRAYER WITH BRASS NOZZLE**

Rubber gaskets.



Capacity 2 l

P024/06**LEVER ACTION HAND PUMP**

For transferring lubricating oil, diesel, kerosene and antifreeze drums with rigid steel pipe Ø 16 x 700 mm with thread M16 x 1 and delivery pipe in plastic.



Box

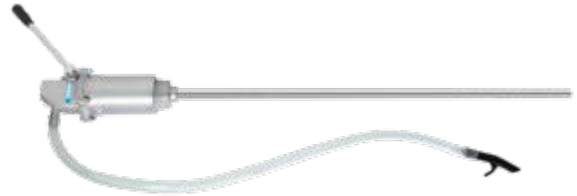
Alu

Aluminum

| | |
|------------------------|-------------|
| Capacity | 6 l/min |
| Single stroke capacity | 0.10 l |
| Pump thread | 2" / 1-1/2" |

P024/15**LEVER ACTION HAND PUMP**

For transferring lubricating oil, diesel, kerosene and antifreeze drums with rigid steel pipe Ø 20 x 820 mm with 1/2" gas thread and plastic delivery pipe.



Box

Alu

Aluminum

| | |
|------------------------|-------------|
| Capacity | 15 l/min |
| Single stroke capacity | 0.35 l |
| Pump thread | 2" / 1-1/2" |

0385**ROTARY HAND PUMP**

For transferring lubricating oil, diesel, kerosene and antifreeze drums with telescopic suction pipe.



Box

Alu

Aluminum

| | |
|-------------|----------|
| Capacity | 20 l/min |
| Pump thread | 2" |

0386**LEVER ACTION HAND OIL PUMP**

For transferring lubricating oil, diesel, kerosene and antifreeze drums with telescopic pipe.



Box

| | |
|-------------|-------------|
| Capacity | 18 l/min |
| Pump thread | 2" / 1-1/2" |

0474/PP
PVC DIESEL GUN


Box

| | |
|--------------|-------------|
| Capacity | 60÷80 l/min |
| Nozzle | Ø25 mm |
| Inlet thread | 1" BSP |

0474/PA
AUTOMATIC DIESEL GUN


Box

| | |
|--------------|----------|
| Capacity | 90 l/min |
| Nozzle | Ø25 mm |
| Inlet thread | 1" BSP |

0272
DRILL PUMP

For no flammable, explosive, corrosive and oily liquid. Suitable use for rack spindles.



Blister

Plastic

| | |
|-----------------|--------------|
| Hydraulic head | 30 m |
| Pump capacity | 40 l/min |
| Max. pressure | 0.3 MPa |
| Max speed | 3400 rpm |
| Max temperature | 40°C |
| Hose diameter | 19 mm 3/4" |

0474/PE
NOZZLE OIL GUN

With swivel connector.



Box

Alu

Aluminum

| | |
|--------------|--------------|
| Capacity | 60÷120 l/min |
| Nozzle | Ø25 mm |
| Inlet thread | 1" BSP |


0755
12VDC DIESEL PUMP

For mineral oil and diesel.



Box

| | |
|----------------|--------------------|
| Motor | DC 12 V, 175 W |
| Motor speed | 4500 rpm |
| Pump capacity | 40 l/min |
| Hydraulic head | 2 m |
| Suction | 4 m |
| Inlet thread | 25 mm |
| Size | 200 x 120 x 155 mm |
| Usage time | Max 30 min |



R608

2000 W INFRARED HEATER WITH SUPPORT FOR WALL MOUNTING

Dust and water proof, metal housing, with metal net-cover and remote control.



Power 230 V, 2000 W

R609

INFRARED HEATER

With support for wall mounting metal housing, with metal net-cover.



Power 230 V, 1300 W

R60XA

TRIPOD ELECTRIC RADIANT INFRARED HEATER

Metal housing, with metal net-cover.



| Art. | Power | Tripod height without heaters |
|-------|--------------|-------------------------------|
| R609A | 230 V 1,3 kW | 600 ÷ 1500 mm |
| R610A | 230 V 2 kW | 600 ÷ 1500 mm |

R610

INFRARED HEATER

With support for wall mounting metal housing, with metal net-cover.



Power 230 V, 2000 W

R60XB

ELECTRIC RADIANT INFRARED HEATER WITH STAND

Metal housing, with metal net-cover.



| Art. | Power |
|-------|--------------|
| R609B | 230 V 1,3 kW |
| R610B | 230 V 2 kW |

T609

ADJUSTABLE HEIGHT TRIPOD

Suitable for light, heater.



Height 600 ÷ 1500 mm
Upper fixing M 8

B609

INFRARED BULB

230V, 1300 W.



Length 250 mm

B610

INFRARED BULB

230V, 2000 W.



Length 340 mm

0218-
LED FLOODLIGHTS

Aluminium super slim die-cast housing, tempered glass.



| Art. | Power | Luminous flux | Color temperature | LED number | Cable | Dimensions |
|---------|--------------------|---------------|-------------------|------------|---|--------------|
| 0218/10 | 230 V, 50 Hz, 10 W | 800 lm | 4000 K | 15 SMD LED | 30 cm, H05RN-F 3x1.0 mm ² mm | 150 x 95 mm |
| 0218/20 | 230 V, 50 Hz, 20 W | 1600 lm | 4000 K | 28 SMD LED | 30 cm, H05RN-F 3x1.0 mm ² mm | 145 x 120 mm |
| 0218/30 | 230 V, 50 Hz, 30 W | 2400 lm | 4000 K | 42 SMD LED | 30 cm, H05RN-F 3x1.0 mm ² mm | 180 x 150 mm |
| 0218/50 | 230 V, 50 Hz, 50 W | 4000 lm | 4000 K | 56 SMD LED | 30 cm, H05RN-F 3x1.0 mm ² mm | 210 x 180 mm |

0218-XB
LED FLOODLIGHT WITH STAND

Aluminium super slim die-cast housing, tempered glass.



| Art. | Power | Luminous flux | Color temperature | Cable |
|----------|--------------------|---------------|-------------------|----------------------------------|
| 0218/10B | 230 V, 50 Hz, 10 W | 800 lm | 4000 K | 2 m, 3x1 mm ² H05VV-F |
| 0218/20B | 230 V, 50 Hz, 20 W | 1600 lm | 4000 K | 2 m, 3x1 mm ² H05VV-F |
| 0218/30B | 230 V, 50 Hz, 30 W | 2400 lm | 4000 K | 2 m, 3x1 mm ² H05VV-F |
| 0218/50B | 230 V, 50 Hz, 50 W | 4000 lm | 4000 K | 2 m, 3x1 mm ² H05VV-F |

0218-XS
LED FLOODLIGHT WITH MOTION AND BRIGHTNESS SENSOR

Aluminium super slim die-cast housing, tempered glass.



| Art. | Power | Luminous flux | Color temperature | Cable |
|----------|--------------------|---------------|-------------------|------------------------------------|
| 0218/10S | 230 V, 50 Hz, 10 W | 800 lm | 4000 K | 30 cm, 3x1 mm ² H05VV-F |
| 0218/20S | 230 V, 50 Hz, 20 W | 1600 lm | 4000 K | 30 cm, 3x1 mm ² H05VV-F |
| 0218/30S | 230 V, 50 Hz, 30 W | 2400 lm | 4000 K | 30 cm, 3x1 mm ² H05VV-F |
| 0218/50S | 230 V, 50 Hz, 50 W | 4000 lm | 4000 K | 30 cm, 3x1 mm ² H05VV-F |



0218/50T

50W LED FLOODLIGHT WITH TRIPOD

Aluminium super slim die-cast housing, tempered glass.



Box

Alu

Aluminum



IP65

| | |
|-------------------|----------------------------------|
| Power | 220 - 240 V, 50 Hz, 50W |
| Luminous flux | 4000 lm |
| Color temperature | 4000 K |
| Cable | 2 m, 3x1 mm ² H05VV-F |

0713/15

LED FLOODLIGHT WITH MAGNETIC BASE

To fit on cars, offroads, campers, boats, agricultural machines and earthmoving machines, with 3A fuse and car plug lighter.



Box



| | |
|----------------------------|--------------------------------|
| Power | DC 9 ÷ 32 V (12 V, 24 V) 15 W |
| LED number | 5 x 3 W |
| Luminous flux | 1050 lm |
| Color temperature | 6000 K |
| Lighting distance | 5 m - 23 lux; 8,5 m - 10 lux m |
| Cable length | 2 m |
| Projector size | 108 x 108 mm |
| Base dimensions | Ø 86,50 mm |
| Back holes center distance | 87 x 28 mm M6 mm |
| Overall dimensions | 108 x 86,50 x 160 mm |

0713/18

LED FLOODLIGHT WITH MAGNETIC BASE

To fit on cars, offroads, campers, boats, agricultural machines and earthmoving machines, with 3A fuse and car plug lighter.



Box



| | |
|----------------------------|-------------------------------|
| Power | DC 9 ÷ 32 V (12 V, 24 V) 18 W |
| LED number | 6 x 3 W |
| Luminous flux | 1260 lm |
| Color temperature | 6000 K |
| Lighting distance | 5 m - 45 lux; 12 m - 10 lux m |
| Cable length | 2 m |
| Projector size | Ø 116 mm |
| Base dimensions | Ø 86,50 mm |
| Back holes center distance | 87 x 28 mm M6 mm |
| Overall dimensions | 116 x 86,50 x 165 mm |

0713/27

LED FLOODLIGHT WITH MAGNETIC BASE

To fit on cars, offroads, campers, boats, agricultural machines and earthmoving machines, with 3A fuse and car plug lighter.



Box



| | |
|----------------------------|---------------------------------|
| Power | DC 9 ÷ 32 V (12 V, 24 V) 27 W |
| LED number | 9 x 3 W |
| Luminous flux | 1890 lm |
| Color temperature | 6000 K |
| Lighting distance | 5 m - 85 lux; 15,5 m - 10 lux m |
| Cable length | 2 m |
| Projector size | Ø 116 mm |
| Base dimensions | Ø 86,50 mm |
| Back holes center distance | 87 x 28 mm M6 mm |
| Overall dimensions | 116 x 86,50 x 165 mm |

0343

FLEXIBLE ARM LAMP



Box



IP20

| | |
|----------------|----------------------------|
| Power | 110 / 230 V 50 / 60 Hz |
| Bulb | Max 40 W, E27 not included |
| Range | 800 mm |
| Clamp capacity | 35 mm |

0366

56 LED MAGNIFIER LAMP

With lense.



Box



IP20

| | |
|-------------------|-----------------|
| Power | 230 V 50 Hz 8 W |
| Magnification | 2x |
| Luminous flux | 600 lm |
| Color temperature | 6500 K |
| Lens | Ø 120 mm |
| Range | 810 mm |
| Clamp capacity | 70 mm |

0530
LOW CONSUMPTION LAMP WITH LENS

With lens.



Box

| | |
|----------------|------------------|
| Power | 230 V 50 Hz 22 W |
| Magnification | 3x |
| Lens | Ø 120 mm |
| Range | 810 mm |
| Clamp capacity | 70 mm |
| Luminous flux | 1000lm |

0891A
NEW
LOW CONSUMPTION LAMP

Led lamp with two lenses, dimmable touch buttons, 6 UV Led lights and a super bright and adjustable light point. Lifetime up to 25,000 hours.



| | |
|-------------------|----------------|
| Power | 250V 50 Hz 11W |
| Magnification | 2x + 6x |
| Lens | 138 mm |
| Clamp capacity | 75 mm |
| Luminous flux | 1000 lm |
| Color temperature | 6000 K |

0344
FLEXIBLE ARM LAMP

With lens. Bulb not included.



Box

| | |
|----------------|----------------------------|
| Power | 230 V 50/60 Hz |
| Bulb | Max 60 W, E27 not included |
| Magnification | 2x |
| Lens | Ø 100 mm |
| Range | 800 mm |
| Clamp capacity | 35 mm |

P. 546
0530A
NEW
LOW CONSUMPTION LAMP

With lens.



Box

| | |
|-------------------|----------------|
| Power | 250V 50 Hz 11W |
| Magnification | 3x |
| Lens | 127 mm |
| Clamp capacity | 75 mm |
| Luminous flux | 1000 lm |
| Color temperature | 6000 K |

0516
LOW CONSUMPTION LAMP

With lens.



Box

| | |
|----------------|------------------|
| Power | 230V 50Hz 2 x 9W |
| Magnification | 2x |
| Lens | 190 x 157 mm |
| Range | 810 mm |
| Clamp capacity | 70 mm |
| Luminous flux | 1000 lm |

0661
TABLE LAMP

With lens.



Box

| | |
|---------------|------------------|
| Power | 230 V 50 Hz 11 W |
| Magnification | 2x |
| Lens | Ø 89 mm |



0625

HEAD LIGHT WITH MAGNIFYING LEN SET



Box

| Multiplier | Target distance mm |
|------------|--------------------|
| 1,2x | 520 ÷ 620 |
| 1,8x | 230 ÷ 320 |
| 2,5x | 150 ÷ 250 |
| 3,5x | 80 ÷ 120 |
| Bulb | 2,2 V - 0,25 A |
| Battery | 2x AAA |

L006

LED MAGNIFIER



Box

| | |
|---------------|--------------|
| Lens | 50 x 50 mm |
| Magnification | 3x |
| LED | 5 - 9000 mcd |
| LED | 1 |
| Battery | 4x LR1130 |
| Pack | 10 |

0482/3

HEAD LAMP WITH SENSOR

Switch on and off function by passing the hand in front of the lamp.



Box



| | |
|-------------------|-----------------------|
| LED | 3 W COB |
| Luminous flux | Max 300 lm |
| Color temperature | 6500 K |
| Battery | 3.7 V 1500 mAh Li-ion |
| Autonomy | 4h |
| Recharging time | 3h |

0493/2

LED HEADLIGHT

120lm, with elastic belt, 2 functions: focus and flash, for using with 3 batteries AAA type.



Box

| | |
|------------------------|-------------------|
| Not included batteries | 3 x AAA |
| Intensity | 120 lm |
| Sizes | Ø 75 x 45 x 45 mm |
| Autonomy | 5 h |

0659

CRYSTAL LENS SET



12 Pcs



Expositor

| Contents | Magnifications |
|------------|----------------|
| 3 Pcs Ø 50 | 3x - 10x mm |
| 3 Pcs Ø 60 | 3x - 8x mm |
| 3 Pcs Ø 75 | 3x - 8x mm |
| 3 Pcs Ø 90 | 3x - 8x mm |

0437

HIGH POWERFUL LED TORCH

Long range, distance capacity more than 150m, long life.



Box

| | |
|------------------------|--------------|
| Not included batteries | 4x C |
| LED power | 3 W |
| Autonomy | 25 h / 100 % |

0493/1

LED HEADLIGHT

80lm, made of ABS and rubber cover, with elastic belt, 2 functions: focus and flash, for using with 3 batteries AAA type.



Box

| | |
|------------------------|-------------------|
| Not included batteries | 3 x AAA |
| Intensity | 80 lm |
| Sizes | Ø 50 x 42 x 58 mm |
| Autonomy | 10 h |

0209

10 + 1 LED MAGNETIC WORK LIGHT

With rotating head, Led on the top and front with 2 brightness levels.



Blister



Alu



IP20

| | |
|------------------------|-------------|
| Luminous flux | 50 - 300 lm |
| Color temperature | 6500 K |
| Not included batteries | 3x AAA |
| Tilting head | 180° |
| Revolution | 180° |
| Dimensions | 35 x 330 mm |

0128A
COB +1 LED POCKET TORCH LIGHT WITH MAGNET

Swivel clip, long lasting, small size and high brightness make it essential in professional and do-it-yourself lines.



| | |
|------------------------|------------------|
| Sizes | 174 x 43 x 22 mm |
| Luminous flux | 140 lm |
| Not included batteries | 3x AAA |

0787
ALUMINUM TORCH


| | |
|------------------------|----------------------|
| Not included batteries | 2x C |
| LED number | 8 LED 11000 mcd |
| Sizes | Ø 48,5 x 31 x 215 mm |

0107
30 + 7 LED MAGNETIC LIGHT

With magnet and hook on the back side



| | |
|------------------------|------------------|
| Single LED life | 100000 hours |
| Intensity | 50 lm |
| Not included batteries | 3x AA |
| Dimensions | 40 x 35 x 203 mm |

0291
24 + 3 LED MAGNETIC LIGHT

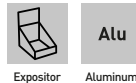
With magnet and hook on the back side.



| | |
|------------------------|--------------|
| Single LED life | 100000 hours |
| Not included batteries | 3x AAA |

0671/1P
WHITE LED FLASHLIGHT WITH EXTRA BRIGHTNESS


| | |
|------------------------|-----------------|
| Not included batteries | 2x AAA |
| LED number | 1 - 9000 mcd |
| Sizes | Ø 12,5 x 141 mm |

0492
LED FLASHLIGHT WITH TELESCOPIC MAGNET


| | |
|------------------|--------------------|
| Button batteries | 4 x LR44 |
| LED number | 6 |
| Intensity | 6 x 10 lm |
| Sizes | Ø 30 x 21 x 180 mm |
| Max length | 710 mm |
| Autonomy | 3 h |

0311
24 LED MAGNETIC LIGHT

With magnet and hook on the back side.



| | |
|------------------------|--------------|
| Single LED life | 100000 hours |
| Not included batteries | 3x AA |

0338
ALUMINUM HAND TORCH WITH 1 LED AND MANUAL ZOOM

3 light types: strong, media and flashing; adapter to work with 3 batteries AAA type in a box.



| | |
|-----------------|-------------------------|
| Battery | 1 li-ion 3.7V/ 1800 mAh |
| LED | Q3 3 W |
| Sizes | Ø 34,5 x 28 x 135 mm |
| Battery charger | 110 / 230 V 50 / 60 Hz |
| Autonomy | 4 h |



0597

RECHARGEABLE LED LIGHT WITH MAGNET

With battery charger 12Vdc and 230Vac, foldable, hanging and magnetic.



| | |
|-----------------|----------------|
| Battery | 3.7 V 1800 mAh |
| LED | 8 SMD + 5 LED |
| Recharging time | 8 ÷ 10 h |
| Autonomy | 7 ÷ 8 h |



0889

RECHARGEABLE LED LIGHT WITH MAGNET

With battery charger 12VDC and 230VAC, foldable, hanging and magnetic.



| | |
|-----------------|----------------------------|
| Battery | 3,7 V - 1100 mAh - Lithium |
| LED | 21 + 5 - 9000 mcd |
| Recharging time | 4 ÷ 5 h |
| Autonomy | 4 ÷ 6 h |



0693A

RECHARGEABLE LED LAMP

With charging station, foldable, hanging and magnetic



| | |
|---------------------|------------------------------|
| Battery | 3,7V - 2600mAh - Li-ion |
| LED | 6W COB LED - 1W SMD 6500K |
| Luminous flux | 600 lm |
| Recharging time | 4h |
| Autonomy | 4.5h Eco mode |
| Working temperature | -10°C ÷ 40°C |



0401

COB LED TECHNOLOGY RECHARGEABLE LAMP

High capacity lithium battery for long time operation, magnetic back for hand-free application, flexible standing arm for multi-angle lighting purposes, strong light output 180 lumens.



| | |
|-----------------|---------------------------|
| Power | 100 ÷ 240 V , 50 ÷ 60 Hz |
| Battery | 3,7 V - 2600 mAh - Li-ion |
| Recharging time | 6 h |
| Autonomy | 3,5 h |
| Intensity | 180 lm |



0123

MULTIFUNCTION USB RECHARGEABLE LED LIGHT

With front torch with various steps of brightness, lateral white and red Leds with flashing function. Usb recharging cable and transformer. Charge and recharge status Led . It can be charged directly from a computer.



| | |
|-----------------|----------------------------|
| Battery | 3.7V - 1800mAh - Li-ion |
| LED | 24 Cree XPG R5 |
| Intensity | 30 - 300 lm |
| Dimensions | 191 x 99 x 148 mm |
| Battery charger | USB 110 - 230 V 50 - 60 Hz |
| Autonomy | 2.5 h |



G900

CAMPING LANTERN



| | |
|------------------------|---------------|
| Dimensions | Ø 60 x 160 mm |
| Intensity | 150 lm |
| Not included batteries | 3 x AA |



L008

SLIM INSPECTION CORDLESS LED LIGHT

Rechargeable, high capacity lithium battery for long time operation, strong light output 400 lumen, the slim design and robust structure make it indestructible even if it falls from a height of one meter or, if it is forgotten on a flat floor, the car passes over it.



| | |
|-----------------|--------------------------|
| Power | 100 ÷ 240 V , 50 ÷ 60 Hz |
| Battery | 3,7 V 2400 mAh Lithium |
| Luminous flux | 400 lm |
| Recharging time | 3,5 h |
| Autonomy | 3 - 10 h |
| Intensity | 400 lm |



0445/20
RECHARGEABLE LED FLOODLIGHT

With switch, adapters to recharge batteries with car dc lighter and home ac 230V.



Box

Alu

Aluminum


IP65

| | |
|---------------|----------------------------------|
| Power | DC 12 - 24 V, 20 W; AC 230 V 20W |
| Luminous flux | 600 - 1450 lm |
| Battery | 7.4V 5400mAh Li-ion |
| Autonomy | 1,5 h |

0342
PORTABLE NEON LAMP WITH HOOK


Blister


IP20

| | |
|------------|-----------------|
| Power | 230 V 50 Hz 8 W |
| Dimensions | ø 31 x 435 mm |
| Cable | 5 m |

0900/BL
MAGNETIC LED LAMP WITH EXTENDABLE UNDERCABINET STAND

The under-hood lamp consists of two magnetic, 360-degree rotatable Cob Led light points for a maximum of 2800 lumens (1400lm + 1400lm) and an extendable bar up to 2100 mm to fit any type of hood.



Box

ABS
Alu

Aluminum

| | |
|-----------------------------|-----------------------|
| LED | COB |
| Power | USB Type C 5 V 2 A |
| Battery | 3.7 V 5200 mAh Li-ion |
| Luminous flux | 2 x 400-1400 lm |
| Recharging time | 4 h |
| Autonomy | 4 h |
| Adjustable extension clamps | 850 ÷ 2100 mm |

0429
WORKING LAMP HOLDER WITH 5M POWER CORD

Without on/off switch, max 60 W for incandescent lamps, E27 screw cup bulb, voltage range 12 ÷ 230V; bulb not included.

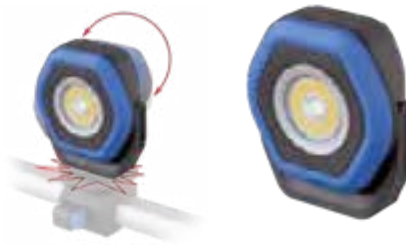


Hangable

| | |
|----------------|-------|
| Cable length | 5 m |
| Screw cup bulb | E27 |
| Voltage | 230 V |

0900
MULTI PORTABLE MAGNETIC LED LIGHT

COB Led portable lamp made in impact-resistant ABS. The ledlamp is adjustable in four different light intensities from 350 to 1400 Lumen. The strong magnet at the base and the rotatable body through 180°, makes it perfect to be used in any circumstance.



Box

Alu

Aluminum

| | |
|-----------------|-----------------------|
| LED | COB |
| Power | USB Type C 5 V 2 A |
| Battery | 3.7 V 5200 mAh Li-ion |
| Luminous flux | 350 ÷ 1400 lm |
| Recharging time | 4 h |
| Autonomy | 3 h ÷ 14 h |
| Dimensions | 116 x 101 x 41.5 mm |

0840
RECHARGEABLE LED LAMP WITH ADJUSTABLE HOOKS AND MAGNETS

Made of ABS and polycarbonate, with lithium battery, 12V car plug adapter and 230V home adapter, charging indicator light.



Box

ABS

| | |
|-----------------------------|-------------------------|
| Power | DC 12 V 7,2 W; AC 230V |
| Working lamp dimensions | ø 38 x 1080 mm |
| Adjustable extension clamps | 1210 ÷ 1950 mm |
| Battery | 7.4 V, 1800 mAh Lithium |
| Intensity | 900 lm, 36 SMD |
| Recharging time | 4 - 5 h |
| Autonomy | 3h |



**0621/A3****AUTO RE-ENTERING CABLE REEL**

Overload protection, Led light on the cable reel to show the presence of power.



Box

| | |
|------------------------------|----------------------------------|
| Cable length | 10 m |
| Cable type | 3 x 1,50 mm ² H05RR-F |
| Power | 12 V ÷ 240 V |
| Max power for rolled cable | 1200 W |
| Max power for unrolled cable | 1800 W |

A010-X**CABLE REEL**

Double isolation cable H05VV-F homologated, homologated PVC pressure-cast plug, thermal circuit breaker with manual reset, max. Power with rolled cable 1,2kw, max. Power with unrolled cable 3,4kw.



Box

| Art. | Cable length | Stem | Drum |
|---------|--------------|-------------------------|----------|
| A010/10 | 10 m | 3 x 1,5 mm ² | ø 200 mm |
| A010/20 | 20 m | 3 x 1,5 mm ² | ø 250 mm |

A010/30T**CABLE REEL**

Complies with standard EN 61316, flexible cord H07RN-F, neoprene homologated, IP 44 plugs, thermal circuit breaker, with manual reset, max. Power with rolled cord 5kw, max. Power with unrolled cord 11 kw.



Box

| | |
|--------------|-------------------------|
| Power | 380 V |
| Cable length | 30 m |
| Stem | 4 x 2,5 mm ² |
| Drum | ø 340 mm |

0428**AUTOMATIC CABLE REEL WITH LAMP HOLDER**

Overload protection, max 60 W for incandescent lamps, Led light on the cable reel to show the presence of power, bulb not included.



Box



| | |
|----------------|---|
| Cable size | 13 + 1 m - H05RR-F - 2 x 1mm ² |
| Screw cup bulb | E27 |
| Voltage | 12 ÷ 230 V |

A010-**CABLE REEL**

Complies with standard EN 61242, double isolation cable H05VV-F homologated, homologated PVC pressure-cast plug, thermal circuit breaker with manual reset, max. Power with rolled cable 1,2kw, max. Power with unrolled cable 3,4kw.



Box

| Art. | Cable length | Stem | Drum |
|---------|--------------|-------------------------|----------|
| A010/15 | 15 m | 3 x 1,5 mm ² | ø 190 mm |
| A010/25 | 25 m | 3 x 1,5 mm ² | ø 240 mm |
| A010/50 | 50 m | 3 x 1,5 mm ² | ø 310 mm |

A010/30**CABLE REEL**

Conform to standard EN 61316, flexible cord H07RN-F neoprene homologated, IP 44 plugs, thermal circuit breaker with manual reset, max. power with rolled cord 5kw max. power with unrolled cord 11kw.








Box




| | |
|--------------|-------------------------|
| Power | 230 V |
| Cable length | 30 m |
| Stem | 3 x 2,5 mm ² |
| Drum | ø 340 mm |






**CALIPERS, HEIGHT GAUGE
AND RULERS**

- p. 554  Digital calipers
- p. 555  Calipers with dial gauge
- p. 555  Vernier calipers
- p. 559  Height gauge
- p. 559  Digital rules


**DIAL
INDICATORS**

- p. 560  Dial indicators
- p. 562  Dial thickness gauges
- p. 563  Edge finders






MICROMETERS

- p. 564  Outside micrometers
- p. 565  Inside micrometers





**GAUGE BLOCKS, SCREW GAUGE
AND HOLE PLAIN GAUGE**

- p. 566  Gauge blocks
- p. 567  Gauges







**MEASURING
TOOLS**

- p. 569  Magnetic base
- p. 572  Inspection plates
- p. 572  Squares
- p. 574  Screw pitch gauge


**PRECISION TAPES, LEVELS
AND GONIOMETERS**

- p. 577  Precision tapes
- p. 578  Levels
- p. 580  Protractors


**ANALOGIC AND
DIGITAL METERS**

- p. 581  Endoscopes
- p. 582  Testers
- p. 583  Digital meters
- p. 587  Refractometers
- p. 588  Hardness testers


**SCALES AND
DYNAMOMETERS**

- p. 590  Scales
- p. 591  Dinamometers

C031/150
STAINLESS STEEL ELECTRONIC DIGITAL CALIPER

With 2 functions and a big screen.



| | |
|---------|-------------------|
| Range | 0÷150 mm 0÷6" |
| Reading | 0,01 mm 0,0005" |
| Jaws | 40 mm |
| Beam | 16 x 3 mm |
| Battery | 1 x LR44 |


C035-
STAINLESS STEEL ELECTRONIC DIGITAL CALIPER

With glass rail for better accuracy, metal housing and buttons, data output with mini USB port, removable thumbroll, ground and lapped jaws, with locking screw.



| Art. | Range | Reading | Accuracy | Repeatability | Beam | Jaws | Back Jaws | Battery | Digit height |
|----------|------------------|-------------------|----------|---------------|-----------|-------|-----------|---------------|--------------|
| C035/150 | 0÷150 mm 0÷6" | 0,01 mm 0,0005" | 0,02 mm | 0,01 mm | 16 x 3 mm | 40 mm | 16,5 mm | 1 x 3V CR2032 | 9 mm |
| C035/200 | 0÷200 mm 0÷8" | 0,01 mm 0,0005" | 0,03 mm | 0,01 mm | 16 x 3 mm | 50 mm | 19,5 mm | 1 x 3V CR2032 | 9 mm |
| C035/300 | 0÷300 mm 0÷12" | 0,01 mm 0,0005" | 0,03 mm | 0,01 mm | 16 x 3 mm | 60 mm | 20,5 mm | 1 x 3V CR2032 | 9 mm |


C033-
STAINLESS STEEL ELECTRONIC DIGITAL CALIPER

With 3 functions and a big screen.



| Art. | Range | Reading | Beam | Jaws | Battery |
|----------|------------------|-------------------|-------------|-------|----------|
| C033/150 | 0÷150 mm 0÷6" | 0,01 mm 0,0005" | 16 x 3,2 mm | 40 mm | 1 x LR44 |
| C033/200 | 0÷200 mm 0÷8" | 0,01 mm 0,0005" | 16 x 3,2 mm | 50 mm | 1 x LR44 |
| C033/300 | 0÷300 mm 0÷12" | 0,01 mm 0,0005" | 16 x 3,2 mm | 60 mm | 1 x LR44 |


C041/150
MONOBLOCK STAINLESS STEEL ELECTRONIC DIGITAL CALIPER

3 functions with big lcd.



| | |
|---------|-------------------|
| Range | 0÷150 mm 0÷6" |
| Reading | 0,01 mm 0,0005" |
| Jaws | 40 mm |
| Beam | 16 x 3 mm |
| Battery | 1 x LR44 |





C043-

STAINLESS STEEL ELECTRONIC DIGITAL CALIPER

With 4 functions and big lcd, fine adjustment.



| Art. | Range | Reading | Jaws | Beam | Battery |
|-----------|-------------------|-------------------|--------|-----------|----------|
| C043/500 | 0÷500 mm 0÷20" | 0,01 mm 0,0005" | 100 mm | 25 x 6 mm | 1 x LR44 |
| C043/1000 | 0÷1000 mm 0÷40" | 0,01 mm 0,0005" | 150 mm | 30 x 8 mm | 1 x LR44 |

C005/150

STAINLESS STEEL DIAL CALIPER



| | |
|---------|-------------|
| Range | 0 ÷ 150 mm |
| Reading | 0,01 mm |
| Jaws | 40 mm |
| Beam | 15,5 x 3 mm |

C006-

STAINLESS STEEL DIAL CALIPER



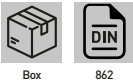
| Art. | Range | Reading | Jaws | Beam |
|----------|------------|---------|-------|-----------|
| C006/150 | 0 ÷ 150 mm | 0,02 mm | 40 mm | 16 x 3 mm |
| C006/200 | 0 ÷ 200 mm | 0,02 mm | 50 mm | 16 x 3 mm |
| C006/300 | 0 ÷ 300 mm | 0,02 mm | 60 mm | 20 x 4 mm |

C018-

MONOBLOCK STAINLESS STEEL CHROMED VERNIER CALIPER



| Art. | Range | Reading | Jaws | Beam |
|----------|-----------------|------------------------|-------|-----------|
| C018/150 | 0÷150 mm 0÷6" | 1/20 0,05 mm 1/128" | 40 mm | 16 x 3 mm |
| C018/200 | 0÷200 mm 0÷8" | 1/50 0,02 mm 1/1000" | 50 mm | 16 x 3 mm |

C057/150
CHROMED VERNIER CALIPER


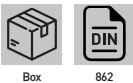
| | |
|---------|-----------------------|
| Range | 0÷150 mm 0÷6" |
| Reading | 1/20 0,05 mm 1/128" |
| Jaws | 40 mm |
| Beam | 16 x 3 mm |


C011-
MONOBLOCK STAINLESS STEEL CHROMED VERNIER CALIPER

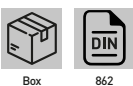
High precision, with wheel for slider locking, measuring range 0 - 200 mm.



| Art. | Range | Reading | Jaws | Beam |
|----------|-----------------|------------------------|-------|-----------|
| C011/150 | 0÷150 mm 0÷6" | 1/50 0,02 mm 1/1000" | 40 mm | 16 x 3 mm |
| C011/200 | 0÷200 mm 0÷8" | 1/50 0,02 mm 1/1000" | 50 mm | 16 x 3 mm |


C019/150
CHROMED VERNIER CALIPER


| | |
|---------|-----------------------|
| Range | 0÷150 mm 0÷6" |
| Reading | 1/20 0,05 mm 1/128" |
| Jaws | 40 mm |
| Beam | 16 x 3 mm |


C056/200
CHROMED VERNIER CALIPER


| | |
|---------|------------------------|
| Range | 0÷200 mm 0÷8" |
| Reading | 1/50 0,02 mm 1/1000" |
| Jaws | 50 mm |
| Beam | 16,5 x 3,5 mm |





C049/300

CHROMED VERNIER CALIPER

Fine adjustment.



Box



862

| | |
|---------|----------------|
| Range | 0 ÷ 300 mm |
| Reading | 1/50 - 0,02 mm |
| Jaws | 60 mm |
| Beam | 20 x 4 mm |



C021-

MONOBLOCK STAINLESS STEEL CHROMED VERNIER CALIPER

Fine adjustment.



Box



INOX



862

| Art. | Range | Reading | Jaws | Beam |
|-----------|-------------------|------------------------|--------|-----------|
| C021/300 | 0÷300 mm 0÷12" | 1/50 0,02 mm 1/1000" | 100 mm | 23 x 6 mm |
| C021/500 | 0÷500 mm 0÷20" | 1/50 0,02 mm 1/1000" | 150 mm | 23 x 6 mm |
| C021/1000 | 0÷1000 mm 0÷40" | 1/50 0,02 mm 1/1000" | 150 mm | 32 x 8 mm |



C020-

CHROMED VERNIER CALIPER

Fine adjustment.



Box



862

| Art. | Range | Reading | Jaws | Beam |
|-----------|-------------|--------------|--------|------------|
| C020/500 | 0 ÷ 500 mm | 1/50 0,02 mm | 100 mm | 23 x 6 mm |
| C020/1000 | 0 ÷ 1000 mm | 1/50 0,02 mm | 150 mm | 30 x 8 mm |
| C020/1500 | 0 ÷ 1500 mm | 1/50 0,02 mm | 225 mm | 49 x 14 mm |
| C020/2000 | 0 ÷ 2000 mm | 1/50 0,02 mm | 250 mm | 50 x 15 mm |



C044-

STAINLESS STEEL ELECTRONIC DIGITAL DEPTH GAUGE

With 3 functions with big display.



Box



INOX



862

| Art. | Range | Reading | Base | Beam | Battery weight (Kg) | Battery |
|----------|------------------|-------------------|--------|-------------|---------------------|----------|
| C044/200 | 0÷200 mm 0÷8" | 0,01 mm 0,0005" | 100 mm | 13 x 3,5 mm | 0,002 | 1 x LR44 |
| C044/300 | 0÷300 mm 0÷12" | 0,01 mm 0,0005" | 150 mm | 15 x 4 mm | 0,002 | 1 x LR44 |





C007-

CHROMED VERNIER DEPTH GAUGE



| Art. | Range | Reading | Base | Beam |
|----------|------------|--------------|--------|--------------|
| C007/200 | 0 ÷ 200 mm | 1/50 0,02 mm | 100 mm | 9,6 x 4,5 mm |
| C007/300 | 0 ÷ 300 mm | 1/50 0,02 mm | 100 mm | 12 x 4 mm |

C010/200

SCRATCH VERNIER CALIPER

C010/200P

**2-BIT SET FOR CALIPER
C010/200**



| | |
|---------|---------------------|
| Range | 0÷200 mm 0÷8" |
| Reading | 1/10 0,1 mm 1/64" |
| Jaws | 10 mm |
| Beam | 16 x 3 mm |



CF08

GAUGE TO MEASURE WHEEL NUT HOLES CENTER DISTANCE

Handy tool for measuring the hole circle on steel and aluminium rims. Suitable for 4 -, 5 -, 6 - and 8-hole rims



| | |
|-------|----------------------|
| Range | 4-8 LUG 100 ÷ 210 mm |
|-------|----------------------|





T092-

ELECTRONIC DIGITAL MULTI FUNCTION HEIGHTGAUGE

With 4 functions and big display, with scriber.

UPGRADE



Box

| Art. | Range | Reading | Accuracy | Net weight | Battery |
|----------|------------------|-------------------|------------------|------------|--------------|
| T092/300 | 0÷300 mm 0÷12" | 0,01 mm 0,0005" | 0,03 mm 0,015" | 4 kg | 1x 3V CR2032 |
| T092/600 | 0÷600 mm 0÷24" | 0,01 mm 0,0005" | 0,05 mm 0,025" | 9 kg | 1x 3V CR2032 |

T100-

VERNIER HEIGHTGAUGE CHROME PLATED

With scriber.



Box

| Art. | Range | Reading | Net weight |
|----------|------------|---------|------------|
| T100/300 | 0 ÷ 300 mm | 0,02 mm | 2 kg |
| T100/500 | 0 ÷ 500 mm | 0,02 mm | 5,5 kg |

Rx

SCALE WITH MULTIFUNCTION DIGITAL READOUT

The scale can be cut to reach the desired length functions: on/off - mm/inch - zero - abs/inc - auto power off.

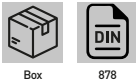


Box

| Art. | Total length | Range | Reading | Battery |
|------|---------------------|----------------|------------------|----------------|
| R060 | 630 mm - 24.8" inch | 500 mm - 19.7" | 0,01 mm 0.001" | 2 x 3 V CR2032 |
| R100 | 1000 mm - 40" inch | 900 mm - 35" | 0,01 mm 0.001" | 2 x 3 V CR2032 |

C064
MULTIFUNCTIONAL ELECTRONIC DIGITAL INDICATOR LARGE DISPLAY

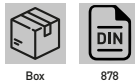
Functions: zero point at any position, mm/inch, conversion, hold, min/max functions, auto power off.



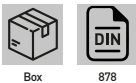
| | |
|-----------|--------------------|
| Box | 878 |
| Range | 0÷12,7 mm 0÷0,5" |
| Reading | 0,01 mm 0,0005" |
| Accuracy | 0,02 mm 0,002" |
| Dial size | 60 mm |
| Battery | 1x SR44W |


C060
MULTIFUNCTIONAL ELECTRONIC DIGITAL INDICATOR LARGE DISPLAY

Functions: zero point at any position, mm/inch conversion, hold, min, max functions, auto power off.



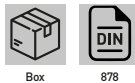
| | |
|---------------------|----------------------|
| Box | 878 |
| Range | 0÷2,40 mm 0÷0,094" |
| Reading | 0,01 mm 0,0005" |
| Platform dimensions | Ø 24 mm |
| Digit height | 8 mm |
| Battery | 1 x 3V CR2032 |
| Dimensions | Ø 50 x 51 mm |


C004
DIAL INDICATOR


| | |
|-----------|----------|
| Dial size | 60 mm |
| Range | 0 ÷ 1 mm |
| Reading | 0,001 mm |
| Accuracy | 0,002 mm |


C017
SHOCKPROOF AND SPLASHPROOF DIAL INDICATOR

With movement on jewels, with back lug.



| | |
|-----------|----------|
| Dial size | 55 mm |
| Range | 10 mm |
| Reading | 0,01 mm |
| Accuracy | 0,015 mm |


C002
DIAL INDICATOR


| | |
|-----------|----------|
| Dial size | 60 mm |
| Range | 10 mm |
| Reading | 0,01 mm |
| Accuracy | 0,015 mm |


C023
DIAL INDICATOR


| | |
|-----------|----------|
| Dial size | 60 mm |
| Range | 10 mm |
| Reading | 0,01 mm |
| Accuracy | 0,015 mm |


C023G
DIAL INDICATOR


| | |
|-----------|----------|
| Dial size | 60 mm |
| Range | 10 mm |
| Reading | 0,01 mm |
| Accuracy | 0,015 mm |


C023/N
DIAL INDICATOR


| | |
|-----------|----------|
| Dial size | 60 mm |
| Range | 10 mm |
| Reading | 0,01 mm |
| Accuracy | 0,015 mm |





C002/42

DIAL INDICATOR

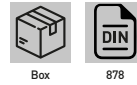


| | |
|-----------|----------|
| Dial size | 42 mm |
| Range | 5 mm |
| Reading | 0,01 mm |
| Accuracy | 0,015 mm |

C048

DIAL INDICATOR

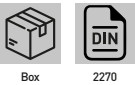
With back lug.



| | |
|-----------|----------|
| Dial size | 60 mm |
| Range | 30 mm |
| Reading | 0,01 mm |
| Accuracy | 0,015 mm |

T003-

DIAL TEST INDICATOR



| Art. | Dial size | Range | Reading | Accuracy | Contact point |
|-------|-----------|--------|---------|----------|---------------|
| T003 | 32 mm | 0,8 mm | 0,01 mm | 0,015 mm | Ø 2 mm |
| T003G | 32 mm | 0,8 mm | 0,01 mm | 0,008 mm | Ø 2 mm |

T007-

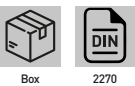
DIAL TEST INDICATOR



| Art. | Dial size | Range | Reading | Accuracy | Contact point |
|-------|-----------|--------|---------|----------|---------------|
| T007 | 40 mm | 0,8 mm | 0,01 mm | 0,011 mm | Ø 2 mm |
| T007G | 40 mm | 0,8 mm | 0,01 mm | 0,008 mm | Ø 2 mm |

T006

DIAL TEST INDICATOR WITH LONG CONTACT POINT



| | |
|----------------------|----------|
| Dial size | 40 mm |
| Range | 0,8 mm |
| Reading | 0,01 mm |
| Accuracy | 0,011 mm |
| Contact point | Ø 2 mm |
| Contact point length | 29 mm |

T005

DIAL TEST INDICATOR



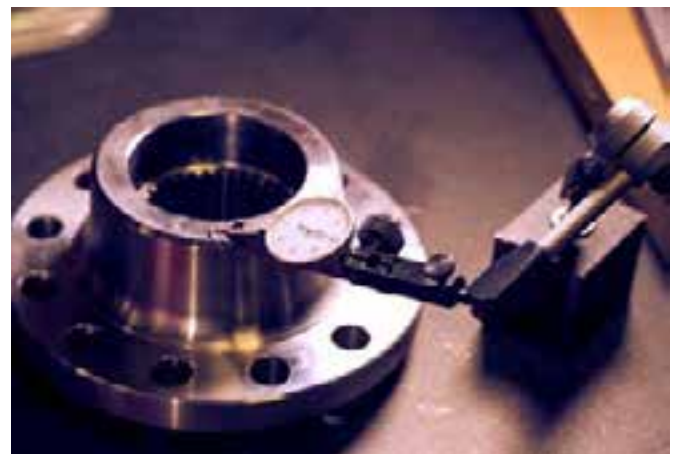
| | |
|---------------|----------|
| Dial size | 32 mm |
| Range | 0,2 mm |
| Reading | 0,002 mm |
| Accuracy | 0,005 mm |
| Contact point | Ø 2 mm |

T011

DIAL TEST INDICATOR



| | |
|---------------|----------|
| Dial size | 32 mm |
| Range | 0,8 mm |
| Reading | 0,01 mm |
| Accuracy | 0,011 mm |
| Contact point | Ø 2 mm |



**A016-
BORE GAUGE SET WITH DIAL INDICATOR**


Box

| Art. | Range | Reading | Depth |
|--------------|--------------|---------|--------|
| A016/6/10 | 6 ÷ 10 mm | 0,01 mm | 40 mm |
| A016/10/18 | 10 ÷ 18 mm | 0,01 mm | 100 mm |
| A016/18/35 | 18 ÷ 35 mm | 0,01 mm | 125 mm |
| A016/35/50 | 35 ÷ 50 mm | 0,01 mm | 150 mm |
| A016/50/160 | 50 ÷ 160 mm | 0,01 mm | 150 mm |
| A016/160/250 | 160 ÷ 250 mm | 0,01 mm | 400 mm |
| A016/250/450 | 250 ÷ 450 mm | 0,01 mm | 400 mm |

**M055/120
DIAL THICKNESS GAUGE**


Box

| | |
|--------------|-----------|
| Range | 0 ÷ 10 mm |
| Reading | 0,01 mm |
| Throat depth | 120 mm |

**C016
DIAL DEPTH GAUGE**


Box

| | |
|----------------------|------------|
| Range | 0 ÷ 110 mm |
| Dial indicator range | 0 ÷ 10 mm |
| Base dimensions | 63 x 17 mm |
| Reading | 0,01 mm |
| Extension bars | 10 pz |

**M062
DIGITAL DIAL THICKNESS GAUGE**


Box

| | |
|--------------|----------------------|
| Range | 0 ÷ 12 mm - 0 ÷ 0,5" |
| Reading | 0,01 mm 0,0005" |
| Throat depth | 20 mm |
| Accuracy | ±0,1 mm 0,004" |
| Battery | 1 x LR44 |

**M055
DIAL THICKNESS GAUGE**


Box

| | |
|--------------|-----------|
| Range | 0 ÷ 10 mm |
| Reading | 0,01 mm |
| Throat depth | 9 ÷ 16 mm |

**C014-
DIAL INSIDE GAUGE**


Box

| Art. | Range | Depth | Anvil | Reading |
|------------|------------|--------|------------|---------|
| C014/15/35 | 15 ÷ 35 mm | 50 mm | Ø 3 x 3 mm | 0,01 mm |
| C014/35/55 | 35 ÷ 55 mm | 80 mm | Ø 3 x 6 mm | 0,01 mm |
| C014/55/75 | 55 ÷ 75 mm | 80 mm | Ø 3 x 6 mm | 0,01 mm |
| C014/75/95 | 75 ÷ 95 mm | 100 mm | Ø 3 x 8 mm | 0,01 mm |

**A020
ZERO SETTING WITH DIAL INDICATOR WITH MAGNETIC BASE**


Box

| | |
|---------------------|----------|
| Zero setting height | 50 mm |
| Reading | 0,01 mm |
| Range | 0 ÷ 8 mm |



A021

ZERO SETTING WITH DIAL INDICATOR WITH MAGNETIC BASE

To position or reset the height of tools, such as end mills, directly on the machine tools, also determining the position of the machine spindle.



Box

| | |
|---------------------|----------------------|
| Range | 0±2,40 mm 0±0,094" |
| Reading | 0,01 mm 0,0005" |
| Platform dimensions | Ø 24 mm |
| Digit height | 8 mm |
| Battery | 1 x 3V CR2032 |
| Dimensions | Ø 50 x 51 mm |

C061

CO-AX INDICATOR

With positioning rod.



Box

| | |
|------------------|-------------------|
| Dial indicator | Ø 40 mm |
| Swing | 4,9 mm |
| Reading | 0,01 mm |
| Max speed | 800 rpm |
| Cylindric shank | Ø 10 mm |
| Straight feelers | 3 |
| Bent feelers | 3 |
| Feeler length | 50 - 100 - 150 mm |
| Contact point | Ø 3 mm |
| Scriber point | 50 mm |

C062

MECHANICAL EDGE FINDER



Box

| | |
|-------|-------------|
| Shank | Ø 10 mm |
| Anvil | Ø 4 - 10 mm |

C063

ELECTRONIC EDGE FINDER



Box

| | |
|---------------|-----------|
| Shank | Ø 20 mm |
| Contact point | Ø 10 mm |
| Total length | 100 mm |
| Power | 2 x SR44W |

C063/L

ELECTRONIC EDGE FINDER

With led light and audible beep.



Box

| | |
|---------------|---------------|
| Shank | Ø 20 mm |
| Contact point | Ø 10 mm |
| Total length | 160 mm |
| Power | 2 x LR1 1.5 V |

M021-
ELECTRONIC DIGITAL MICROMETER

Friction thimble with carbide faces, functions: abs/inc, set, on/off and mm/inch.



Box

HM



863

| Art. | Size | Reading | Accuracy |
|-------------|-----------------------|---------------------|---------------------|
| M021/00/25 | 0 ÷ 25 mm - 0 ÷ 1" | 0,001 mm - 0,00005" | 0,003 mm - 0,00015" |
| M021/25/50 | 25 ÷ 50 mm - 1" ÷ 2" | 0,001 mm - 0,00005" | 0,003 mm - 0,00015" |
| M021/50/75 | 50 ÷ 75 mm - 2" ÷ 3" | 0,001 mm - 0,00005" | 0,004 mm - 0,0002" |
| M021/75/100 | 75 ÷ 100 mm - 3" ÷ 4" | 0,001 mm - 0,00005" | 0,004 mm - 0,0002" |

M026-
ELECTRONIC DIGITAL MICROMETER

Friction thimble with carbide faces.



Box

HM



863

| Art. | Size | Reading | Accuracy |
|-------------|----------------------|--------------------|----------------------|
| M026/0/25 | 0 ÷ 25 mm - 0 ÷ 1" | 0,001 mm 0,0001" | 0,0002 mm 0,00008" |
| M026/25/50 | 25 ÷ 50 mm - 1 ÷ 2" | 0,001 mm 0,0001" | 0,0002 mm 0,00008" |
| M026/50/75 | 50 ÷ 75 mm - 2 ÷ 3" | 0,001 mm 0,0001" | 0,0003 mm 0,00012" |
| M026/75/100 | 75 ÷ 100 mm - 3 ÷ 4" | 0,001 mm 0,0001" | 0,0003 mm 0,00012" |

M022-
CHROMED OUTSIDE MICROMETER

With big 100 step graduation thimble with carbide faces and friction on thimble.



Box

HM



863

| Art. | Size | Reading | Accuracy |
|-------------|-------------|---------|----------|
| M022/00/25 | 0 ÷ 25 mm | 0,01 mm | 0,004 mm |
| M022/25/50 | 25 ÷ 50 mm | 0,01 mm | 0,004 mm |
| M022/50/75 | 50 ÷ 75 mm | 0,01 mm | 0,005 mm |
| M022/75/100 | 75 ÷ 100 mm | 0,01 mm | 0,005 mm |

M033
OUTSIDE MICROMETER SET

With carbide faces and painted frame.



Carrying case

HM



863

| | |
|----------|--|
| Size | 0÷25 - 25÷50 - 50÷75 - 75÷100 - 100÷125 - 125÷150 mm |
| Reading | 0,01 mm |
| Accuracy | 0,004 - 0,004 - 0,005 - 0,005 - 0,006 - 0,006 mm |
| Spindle | Ø 6,3 mm |

M033-
CHROMED OUTSIDE MICROMETER

With carbide faces and painted frame.



Box

HM



863

| Art. | Size | Reading | Spindle |
|-------------|-----------|---------|----------|
| M033/00/25 | 0÷25 mm | 0,01 mm | Ø 6,3 mm |
| M033/25/50 | 25÷50 mm | 0,01 mm | Ø 6,3 mm |
| M033/50/75 | 50÷75 mm | 0,01 mm | Ø 6,3 mm |
| M033/75/100 | 75÷100 mm | 0,01 mm | Ø 6,3 mm |

M033-x
CHROMED OUTSIDE MICROMETER

With carbide faces and painted frame.



Box

HM



863

| Art. | Size | Reading | Spindle |
|--------------|------------|---------|----------|
| M033/100/125 | 100÷125 mm | 0,01 mm | Ø 6,3 mm |
| M033/125/150 | 125÷150 mm | 0,01 mm | Ø 6,3 mm |
| M033/150/175 | 150÷175 mm | 0,01 mm | Ø 6,3 mm |
| M033/175/200 | 175÷200 mm | 0,01 mm | Ø 6,3 mm |
| M033/200/225 | 200÷225 mm | 0,01 mm | Ø 6,3 mm |
| M033/225/250 | 225÷250 mm | 0,01 mm | Ø 6,3 mm |
| M033/250/275 | 250÷275 mm | 0,01 mm | Ø 6,3 mm |
| M033/275/300 | 275÷300 mm | 0,01 mm | Ø 6,3 mm |



M009-

CHROMED OUTSIDE MICROMETER

With carbide faces and painted frame.



HM



863

| Art. | Size | Reading | Spindle |
|----------------|----------------|---------|----------|
| M009/300/400 | 300 ÷ 400 mm | 0,01 mm | ∅ 6,5 mm |
| M009/400/500 | 400 ÷ 500 mm | 0,01 mm | ∅ 6,5 mm |
| M009/500/600 | 500 ÷ 600 mm | 0,01 mm | ∅ 6,5 mm |
| M009/600/700 | 600 ÷ 700 mm | 0,01 mm | ∅ 6,5 mm |
| M009/700/800 | 700 ÷ 800 mm | 0,01 mm | ∅ 6,5 mm |
| M009/800/900 | 800 ÷ 900 mm | 0,01 mm | ∅ 6,5 mm |
| M009/900/1000 | 900 ÷ 1000 mm | 0,01 mm | ∅ 6,5 mm |
| M009/1000/1200 | 1000 ÷ 1200 mm | 0,01 mm | ∅ 6,5 mm |

M019-

BLIND HOLE THREE POINT INSIDE MICROMETER



Box

| Art. | Ring | Size | Reading | Accuracy |
|--------------|------|--------------|----------|----------|
| M019/06/08 | 1 | 6 ÷ 8 mm | 0,001 mm | 0,004 mm |
| M019/08/10 | 1 | 8 ÷ 10 mm | 0,001 mm | 0,004 mm |
| M019/10/12 | 1 | 10 ÷ 12 mm | 0,001 mm | 0,004 mm |
| M019/12/16 | 1 | 12 ÷ 16 mm | 0,005 mm | 0,004 mm |
| M019/16/20 | 1 | 16 ÷ 20 mm | 0,005 mm | 0,004 mm |
| M019/20/25 | 1 | 20 ÷ 25 mm | 0,005 mm | 0,004 mm |
| M019/25/30 | 1 | 25 ÷ 30 mm | 0,005 mm | 0,004 mm |
| M019/30/40 | 1 | 30 ÷ 40 mm | 0,005 mm | 0,004 mm |
| M019/40/50 | 1 | 40 ÷ 50 mm | 0,005 mm | 0,005 mm |
| M019/50/63 | 1 | 50 ÷ 63 mm | 0,005 mm | 0,005 mm |
| M019/62/75 | 1 | 62 ÷ 75 mm | 0,005 mm | 0,005 mm |
| M019/75/88 | 1 | 75 ÷ 88 mm | 0,005 mm | 0,005 mm |
| M019/87/100 | 1 | 87 ÷ 100 mm | 0,005 mm | 0,005 mm |
| M019/100/125 | 0 | 100 ÷ 125 mm | 0,005 mm | 0,005 mm |
| M019/125/150 | 0 | 125 ÷ 150 mm | 0,005 mm | 0,005 mm |

M010-

DISC MICROMETER

Painted frame.



863

| Art. | Size | Reading | Discs |
|--------------|--------------|---------|---------|
| M010/0/25 | 0 ÷ 25 mm | 0,01 mm | ∅ 20 mm |
| M010/25/50 | 25 ÷ 50 mm | 0,01 mm | ∅ 20 mm |
| M010/50/75 | 50 ÷ 75 mm | 0,01 mm | ∅ 20 mm |
| M010/75/100 | 75 ÷ 100 mm | 0,01 mm | ∅ 20 mm |
| M010/100/125 | 100 ÷ 125 mm | 0,01 mm | ∅ 27 mm |
| M010/125/150 | 125 ÷ 150 mm | 0,01 mm | ∅ 27 mm |
| M010/150/175 | 150 ÷ 175 mm | 0,01 mm | ∅ 27 mm |
| M010/175/200 | 175 ÷ 200 mm | 0,01 mm | ∅ 27 mm |

M019-x

BLIND HOLE THREE POINT INSIDE MICROMETER SET



Carrying case

| Art. | Micrometers | Rings | Size | Reading | Accuracy |
|-------------|-------------|-------|-------------|----------|----------|
| M019/06/12 | 3 | 3 | 6 ÷ 12 mm | 0,001 mm | 0,004 mm |
| M019/12/20 | 2 | 1 | 12 ÷ 20 mm | 0,005 mm | 0,004 mm |
| M019/20/40 | 3 | 2 | 20 ÷ 40 mm | 0,005 mm | 0,004 mm |
| M019/40/100 | 5 | 3 | 40 ÷ 100 mm | 0,005 mm | 0,005 mm |

M013/0/100

DEPTH MICROMETER



Carrying case

| | |
|---------|--|
| Range | 0÷25 mm, 25÷50 mm, 50÷75 mm, 75÷100 mm |
| Reading | 0,01 mm |
| Base | 100 x 17 mm |


B0x
METRIC GAUGE BLOCK SET

Inspection certificate issued by the factory, Accredia certificate upon request.



Carrying case



3650



| Art. | Grade | Pieces | Nominal size (mm) | Increment (mm) | Pcs by step |
|--------|-------|--------|---|----------------|-------------|
| B008/1 | 1 | 8 | 25 - 50 - 75 - 100 - 250 - 300 - 400 - 500 | - | 1 |
| B011/0 | 0 | 11 | 2,5 - 5,1 - 7,7 - 10,3 - 12,9 - 15 - 17,6 - 20,2 - 22,8 - 23,4 - 25 | - | 1 |
| B032/0 | 0 | 32 | 1,005 | - | 1 |
| | | | 1,01±1,09 | - | 9 |
| | | | 1,1±1,9 | 0,01 | 9 |
| | | | 1±9 | 0,1 | 9 |
| | | | 10 - 20 - 30 - 50 | 1 | 4 |
| B032/1 | 1 | 32 | 1,005 | - | 1 |
| | | | 1,01±1,09 | - | 9 |
| | | | 1,1±1,9 | 0,01 | 9 |
| | | | 1±9 | 0,1 | 9 |
| | | | 10 - 20 - 30 - 50 | 1 | 4 |
| B032/2 | 2 | 32 | 1,005 | - | 1 |
| | | | 1,01±1,09 | - | 9 |
| | | | 1,1±1,9 | 0,01 | 9 |
| | | | 1±9 | 0,1 | 9 |
| | | | 10 - 20 - 30 - 50 | 1 | 4 |
| B047/0 | 0 | 47 | 1,005 | - | 1 |
| | | | 1,01±1,2 | 0,01 | 20 |
| | | | 1,3±1,9 | 0,1 | 7 |
| | | | 1±9 | 1 | 9 |
| | | | 10±100 | 10 | 10 |
| B047/1 | 1 | 47 | 1,005 | - | 1 |
| | | | 1,01±1,2 | 0,01 | 20 |
| | | | 1,3±1,9 | 0,1 | 7 |
| | | | 1±9 | 1 | 9 |
| | | | 10±100 | 10 | 10 |
| B047/2 | 2 | 47 | 1,005 | - | 1 |
| | | | 1,01±1,2 | 0,01 | 20 |
| | | | 1,3±1,9 | 0,1 | 7 |
| | | | 1±9 | 1 | 9 |
| | | | 10±100 | 10 | 10 |
| B087/0 | 0 | 87 | 1,001±1,009 | 0,001 | 9 |
| | | | 1,01±1,49 | 0,01 | 49 |
| | | | 0,5±9,5 | 0,5 | 19 |
| | | | 10±100 | 10 | 10 |
| | | | | | |
| B087/1 | 1 | 87 | 1,001±1,009 | 0,001 | 9 |
| | | | 1,01±1,49 | 0,01 | 49 |
| | | | 0,5±9,5 | 0,5 | 19 |
| | | | 10±100 | 10 | 10 |
| | | | | | |
| B087/2 | 2 | 87 | 1,001±1,009 | 0,001 | 9 |
| | | | 1,01±1,49 | 0,01 | 49 |
| | | | 0,5±9,5 | 0,5 | 19 |
| | | | 10±100 | 10 | 10 |
| | | | | | |
| B103/0 | 0 | 103 | 1,005 | - | 1 |
| | | | 1,01±1,49 | 0,01 | 49 |
| | | | 0,5±24,5 | 0,5 | 49 |
| | | | 25±100 | 25 | 4 |
| B103/1 | 1 | 103 | 1,005 | - | 1 |
| | | | 1,01±1,49 | 0,01 | 49 |
| | | | 0,5±24,5 | 0,5 | 49 |
| | | | 25±100 | 25 | 4 |
| B103/2 | 2 | 103 | 1,005 | - | 1 |
| | | | 1,01±1,49 | 0,01 | 49 |
| | | | 0,5±24,5 | 0,5 | 49 |
| | | | 25±100 | 25 | 4 |
| B112/0 | 0 | 112 | 1,005 | - | 1 |
| | | | 1,001 ± 1,009 | 0,001 | 9 |
| | | | 1,01 ± 1,49 | 0,01 | 49 |
| | | | 0,5 ± 24,5 | 0,5 | 49 |
| | | | 25 ± 100 | 25 | 4 |
| B112/1 | 1 | 112 | 1,005 | - | 1 |
| | | | 1,001 ± 1,009 | 0,001 | 9 |
| | | | 1,01 ± 1,49 | 0,01 | 49 |
| | | | 0,5 ± 24,5 | 0,5 | 49 |
| | | | 25 ± 100 | 25 | 4 |

**C025-****H7 HOLE PLAIN GAUGE WITH "GO" & "NO GO" CHECKS MADE OF HARDENED ALLOY STEEL**

| Art. | Ø | Pieces |
|---------|-------|--------|
| C025/03 | 3 mm | 1 |
| C025/04 | 4 mm | 1 |
| C025/05 | 5 mm | 1 |
| C025/06 | 6 mm | 1 |
| C025/07 | 7 mm | 1 |
| C025/08 | 8 mm | 1 |
| C025/09 | 9 mm | 1 |
| C025/10 | 10 mm | 1 |
| C025/11 | 11 mm | 1 |
| C025/12 | 12 mm | 1 |
| C025/13 | 13 mm | 1 |
| C025/14 | 14 mm | 1 |
| C025/15 | 15 mm | 1 |
| C025/16 | 16 mm | 1 |
| C025/17 | 17 mm | 1 |
| C025/18 | 18 mm | 1 |
| C025/19 | 19 mm | 1 |
| C025/20 | 20 mm | 1 |
| C025/21 | 21 mm | 1 |
| C025/22 | 22 mm | 1 |
| C025/23 | 23 mm | 1 |
| C025/24 | 24 mm | 1 |
| C025/25 | 25 mm | 1 |
| C025/26 | 26 mm | 1 |
| C025/27 | 27 mm | 1 |
| C025/28 | 28 mm | 1 |
| C025/29 | 29 mm | 1 |
| C025/30 | 30 mm | 1 |
| C025/32 | 32 mm | 1 |
| C025/33 | 33 mm | 1 |
| C025/34 | 34 mm | 1 |
| C025/35 | 35 mm | 1 |
| C025/36 | 36 mm | 1 |
| C025/37 | 37 mm | 1 |
| C025/38 | 38 mm | 1 |
| C025/40 | 40 mm | 1 |
| C025/42 | 42 mm | 1 |
| C025/44 | 44 mm | 1 |
| C025/45 | 45 mm | 1 |
| C025/46 | 46 mm | 1 |
| C025/47 | 47 mm | 1 |
| C025/48 | 48 mm | 1 |
| C025/50 | 50 mm | 1 |
| C025/51 | 51 mm | 1 |
| C025/52 | 52 mm | 1 |
| C025/55 | 55 mm | 2 |
| C025/56 | 56 mm | 2 |
| C025/57 | 57 mm | 2 |
| C025/58 | 58 mm | 2 |
| C025/59 | 59 mm | 2 |
| C025/60 | 60 mm | 2 |
| C025/62 | 62 mm | 2 |
| C025/63 | 63 mm | 2 |
| C025/65 | 65 mm | 2 |
| C025/66 | 66 mm | 2 |
| C025/67 | 67 mm | 2 |
| C025/68 | 68 mm | 2 |
| C025/69 | 69 mm | 2 |
| C025/70 | 70 mm | 2 |
| C025/71 | 71 mm | 2 |
| C025/72 | 72 mm | 2 |
| C025/74 | 74 mm | 2 |
| C025/75 | 75 mm | 2 |
| C025/76 | 76 mm | 2 |
| C025/78 | 78 mm | 2 |
| C025/80 | 80 mm | 2 |

C025-3x**H7 HOLE PLAIN GAUGE SET "GO" & "NO GO"****UPGRADE**

Carrying case

| Art. | Pieces | Pitch | Ø |
|------------|--------|-------|---|
| C025/3/30 | 28 | 1 mm | 3 ÷ 30 mm |
| C025/32/62 | 16 | - | 32-35-37-38-40-42-45-47-48-50 52-55-56-58-60-62 mm |

A015-**RING GAUGE FOR ZERO SETTING**

6g accuracy.



2250

| Art. | Size |
|----------|--------|
| A015/008 | 8 mm |
| A015/010 | 10 mm |
| A015/011 | 11 mm |
| A015/017 | 17 mm |
| A015/025 | 25 mm |
| A015/035 | 35 mm |
| A015/040 | 40 mm |
| A015/062 | 62 mm |
| A015/087 | 87 mm |
| A015/100 | 100 mm |
| A015/125 | 125 mm |
| A015/150 | 150 mm |


T048x
THREAD PLUG GAUGE "GO" & "NO GO"

Cylindric bsp.



| Art. | Dimensions |
|---------|---------------|
| T0481/8 | 1/8" - 28 TPI |
| T0481/4 | 1/4" - 19 TPI |
| T0483/8 | 3/8" - 19 TPI |
| T0481/2 | 1/2" - 14 TPI |
| T0485/8 | 5/8" - 14 TPI |
| T0483/4 | 3/4" - 14 TPI |
| T0487/8 | 7/8" - 14 TPI |
| T0481 | 1" - 11 TPI |

T049x
6H "GO" & "NO GO" ISOMETRIC THREAD PLUG GAUGE


| Art. | Dimensions |
|-------------|--------------|
| T0493X0.5 | 3 x 0,5 mm |
| T0494X0.7 | 4 x 0,7 mm |
| T0495X0.8 | 5 x 0,8 mm |
| T0496X1 | 6 x 1 mm |
| T0498X1 | 8 x 1 mm |
| T0498X1.25 | 8 x 1,25 mm |
| T04910X1 | 10 x 1 mm |
| T04910X1.25 | 10 x 1,25 mm |
| T04910X1.5 | 10 x 1,5 mm |
| T04912X1.25 | 12 x 1,25 mm |
| T04912X1.5 | 12 x 1,5 mm |
| T04912X1.75 | 12 x 1,75 mm |
| T04914X1.5 | 14 x 1,5 mm |
| T04914X2 | 14 x 2 mm |
| T04916X1.5 | 16 x 1,5 mm |
| T04916X2 | 16 x 2 mm |
| T04918X1.5 | 18 x 1,5 mm |
| T04918X2.5 | 18 x 2,5 mm |
| T04920X1.5 | 20 x 1,5 mm |
| T04920X2.5 | 20 x 2,5 mm |
| T04922X1.5 | 22 x 1,5 mm |
| T04922X2.5 | 22 x 2,5 mm |
| T04924X1.5 | 24 x 1,5 mm |
| T04924X2 | 24 x 2 mm |
| T04924X3 | 24 x 3 mm |

A018x
"GO" SCREW GAUGE

Cylindric bsp.



| Art. | Dimensions |
|---------|---------------|
| A0181/8 | 1/8" - 28 TPI |
| A0181/4 | 1/4" - 19 TPI |
| A0183/8 | 3/8" - 19 TPI |
| A0181/2 | 1/2" - 14 TPI |
| A0185/8 | 5/8" - 14 TPI |
| A0183/4 | 3/4" - 14 TPI |
| A0187/8 | 7/8" - 14 TPI |
| A0181 | 1" - 11 TPI |

A017x
6G "GO" ISOMETRIC SCREW GAUGE


| Art. | Dimensions |
|-------------|--------------|
| A0173X0.5 | 3 x 0,5 mm |
| A0174X0.7 | 4 x 0,7 mm |
| A0175X0.8 | 5 x 0,8 mm |
| A0176X1 | 6 x 1 mm |
| A0178X1 | 8 x 1 mm |
| A0178X1.25 | 8 x 1,25 mm |
| A01710X1 | 10 x 1 mm |
| A01710X1.25 | 10 x 1,25 mm |
| A01710X1.5 | 10 x 1,5 mm |
| A01712X1.25 | 12 x 1,25 mm |
| A01712X1.5 | 12 x 1,5 mm |
| A01712X1.75 | 12 x 1,75 mm |
| A01714X2 | 14 x 2 mm |
| A01716X1.5 | 16 x 1,5 mm |
| A01716X2 | 16 x 2 mm |
| A01718X1.5 | 18 x 1,5 mm |
| A01718X2.5 | 18 x 2,5 mm |
| A01720X1.5 | 20 x 1,5 mm |
| A01720X2.5 | 20 x 2,5 mm |
| A01722X1.5 | 22 x 1,5 mm |
| A01722X2.5 | 22 x 2,5 mm |
| A01724X1.5 | 24 x 1,5 mm |
| A01724X2 | 24 x 2 mm |
| A01724X3 | 24 x 3 mm |

S091
STEEL PLUG GAUGE SET


Carrying case

| | |
|-----------|-----------|
| Pieces | 91 |
| Size | 1÷10 mm |
| Increment | 0,1 mm |
| Length | 50 mm |
| Hardness | HRC-60-62 |
| Accuracy | ±0,002 mm |





T009

DIAL INDICATOR HOLDER



Carrying case

| | |
|-----------------|--------|
| Shank | Ø 8 mm |
| Female junction | Ø 4 mm |

B201/1

MAGNETIC BASE

N35 magnetic material, abs switch and prismatic base.



Carrying case

| | |
|-----------------|-----------------|
| Base dimensions | 36 x 30 x 35 mm |
| Hole | M5 x 0,8 |
| Magnetic force | 300 N |



B201/2

MAGNETIC BASE

N35 magnetic material, abs switch and prismatic base.



Carrying case

| | |
|-----------------|-----------------|
| Base dimensions | 60 x 50 x 55 mm |
| Hole | M8 x 1,25 |
| Magnetic force | 800 N |



B201/3

MAGNETIC BASE

N35 magnetic material, abs switch and prismatic base.



Carrying case

| | |
|-----------------|-----------------|
| Base dimensions | 73 x 50 x 55 mm |
| Hole | M8 x 1,25 |
| Magnetic force | 1000 N |



B201/4

MAGNETIC BASE

N35 magnetic material, abs switch and prismatic base.



Carrying case

| | |
|-----------------|------------------|
| Base dimensions | 117 x 50 x 55 mm |
| Hole | M8 x 1,25 |
| Magnetic force | 1300 N |



B100

MAGNETIC STAND

Abs switch and prismatic base.



Carrying case

| | |
|----------------|------------------|
| Dimensions | 63 x 50 x 55h mm |
| Hole | M 8 x 1,25 |
| Magnetic force | 600 N |



S052/2

MAGNETIC STAND

With micrometric adjustment, sturdy column and adjustable arm. Magnetic base with prismatic support and switch.



Carrying case

| | |
|-----------------|-----------------|
| Main stem | Ø 12 x 176 mm |
| Assistant stem | Ø 10 x 150 mm |
| Magnetic force | 800 N |
| Base dimensions | 60 x 50 x 55 mm |



S052/3

MAGNETIC STAND

With micrometric adjustment, sturdy column and adjustable arm. Magnetic base with prismatic support and switch.



Carrying case

| | |
|-----------------|-----------------|
| Main stem | Ø 16 x 225 mm |
| Assistant stem | Ø 14 x 165 mm |
| Magnetic force | 1000 N |
| Base dimensions | 73 x 50 x 55 mm |



S052/4
MAGNETIC STAND

With micrometric adjustment, sturdy column and adjustable arm. Magnetic base with prismatic support and switch.



Box

| | |
|-----------------|------------------|
| Main stem | ∅ 20 x 355 mm |
| Assistant stem | ∅ 14 x 210 mm |
| Magnetic force | 1300 N |
| Base dimensions | 117 x 50 x 55 mm |


S049
MAGNETIC STAND

With microadjustment.



Box

| | |
|-----------------|------------------|
| Main stem | ∅ 12 x 170 mm |
| Assistant stem | ∅ 10 x 150 mm |
| Magnetic force | 600 N |
| Base dimensions | 63 x 50 x 55h mm |


S047
MAGNETIC STAND

With microadjustment.



Box

| | |
|-----------------|------------------|
| Main stem | ∅ 16 x 220 mm |
| Assistant stem | ∅ 12 x 180 mm |
| Magnetic force | 800 N |
| Base dimensions | 65 x 50 x 55h mm |


S054
MAGNETIC STAND

With microadjustment.



Box

| | |
|-----------------|------------------|
| Main stem | ∅ 12 x 170 mm |
| Assistant stem | ∅ 10 x 165 mm |
| Magnetic force | 600 N |
| Base dimensions | 63 x 50 x 55h mm |


S055
MAGNETIC STAND

With microadjustment.



Box

| | |
|-----------------|------------------|
| Main stem | ∅ 16 x 210 mm |
| Assistant stem | ∅ 12 x 175 mm |
| Magnetic force | 800 N |
| Base dimensions | 75 x 50 x 55h mm |


S042/1
UNIVERSAL MECHANICAL ARM STAND

With 3d central lock.



Box

| | |
|-----------------|-----------------|
| Base dimensions | 36 x 30 x 35 mm |
| Magnetic force | 300 N |
| Arm length | 145 mm |


S042/2
UNIVERSAL MECHANICAL ARM STAND

With micrometric adjustment and 3d central lock.



Box

| | |
|-----------------|-----------------|
| Base dimensions | 60 x 50 x 55 mm |
| Magnetic force | 800 N |
| Arm length | 290 mm |


S042/3
UNIVERSAL MECHANICAL ARM STAND

With micrometric adjustment and 3d central lock.



Box

| | |
|-----------------|-----------------|
| Base dimensions | 75 x 50 x 55 mm |
| Magnetic force | 1000 N |
| Arm length | 365 mm |





S045

UNIVERSAL MECHANICAL ARM STAND



Box

| | |
|-----------------|------------------|
| Main stem | Ø 12 x 160 mm |
| Assistant stem | Ø 10 x 180 mm |
| Magnetic force | 600 N |
| Base dimensions | 63 x 50 x 55h mm |

S046

HYDRAULIC UNIVERSAL MAGNETIC STAND



Box

| | |
|-----------------|------------------|
| Main stem | Ø 17 x 180 mm |
| Assistant stem | Ø 14 x 200 mm |
| Magnetic force | 600 N |
| Base dimensions | 63 x 50 x 55h mm |

B025

DIAL GAUGE STAND

With grooved steel plate and aluminium base.



Box

| | |
|------------------|---------------|
| Dial stand | Ø 8 mm |
| Plate Dimensions | 80 x 80 mm |
| Base dimensions | 150 x 100 mm |
| Column | Ø 25 x 180 mm |

B010

DIAL GAUGE STAND

With granite base.



Box

| | |
|-----------------|--------------------|
| Dial stand | Ø 8 mm |
| Base dimensions | 300 x 200 x 50h mm |
| Column | Ø 35 x 300 mm |
| Base flatness | 0,002 mm |

A019-

ECCENTRICITY BENCH TESTER

With dial stand.



Wooden Box



Cast Iron

| Art. | Distance between centers | Centers height Min. - Max | MT | Dimensions | Dial stand | Net weight |
|-----------|--------------------------|---------------------------|----|----------------------|------------|------------|
| A019/300 | 300 mm | 145 / 175 mm | 2 | 730 x 310 x 370h mm | 2 | 65 kg |
| A019/500 | 500 mm | 135 / 170 mm | 2 | 924 x 330 x 482h mm | 2 | 70 kg |
| A019/1000 | 1000 mm | 135 / 170 mm | 2 | 1400 x 330 x 430h mm | 2 | 100 kg |

S051

MICROMETER STAND

With plastic covered jaws.



Box



Cast Iron

P04x

GRANITE INSPECTION PLATE

Grade 0



Wooden Box

| Art. | Dimensions | Net weight |
|------|----------------------|------------|
| P040 | 310 x 230 x 80 mm | 20 kg |
| P042 | 630 x 400 x 100 mm | 80 kg |
| P043 | 1000 x 630 x 150 mm | 280 kg |
| P047 | 1200 x 800 x 160 mm | 497 kg |
| P044 | 1600 x 1000 x 200 mm | 1059 kg |



S06x

GRANITE SQUARE

Grade 0



Wooden Box



876

| Art. | Dimensions | Accuracy |
|------|---------------------|----------|
| S061 | 250 x 40 x 400h mm | ± 6 µm |
| S062 | 400 x 100 x 635h mm | ± 9 µm |

S050-

90° SQUARE

Suitable for checking squareness and flatness in the precision mechanical industry. With back



Steel



875/1

| Art. | Dimensions | Stem |
|----------|--------------|---------------|
| S050/150 | 150 x 100 mm | 25,5 x 4,8 mm |
| S050/200 | 200 x 130 mm | 30.3 x 6 mm |
| S050/250 | 250 x 165 mm | 35 x 7 mm |
| S050/300 | 300 x 200 mm | 36 x 9 mm |
| S050/400 | 400 x 265 mm | 39 x 9 mm |
| S050/500 | 500 x 330 mm | 50 x 9 mm |

S051-

90° SQUARE

Suitable for checking squareness and flatness in the mechanical industry. With back



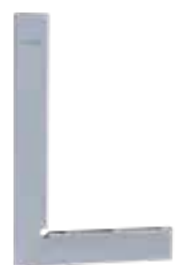
Steel

| Art. | Dimensions | Stem |
|-----------|---------------|----------------------------|
| S051/100 | 100 x 70 mm | 20 x 5,5 mm ² |
| S051/150 | 150 x 100 mm | 20 x 5,5 mm ² |
| S051/200 | 200 x 130 mm | 20 x 5,5 mm ² |
| S051/250 | 250 x 160 mm | 25 x 5,5 mm ² |
| S051/300 | 300 x 175 mm | 25 x 5,5 mm ² |
| S051/400 | 400 x 200 mm | 29,5 x 5,5 mm ² |
| S051/500 | 500 x 250 mm | 29,5 x 5,5 mm ² |
| S051/600 | 600 x 330 mm | 29,5 x 5,5 mm ² |
| S051/750 | 750 x 375 mm | 29,5 x 5,5 mm ² |
| S051/1000 | 1000 x 500 mm | 29,5 x 5,5 mm ² |

S059-

90° SQUARE

Suitable for checking squareness and flatness in the mechanical industry. Without back



Steel

| Art. | Dimensions | Stem |
|-----------|---------------|----------------------------|
| S059/100 | 100 x 70 mm | 20 x 5,5 mm ² |
| S059/150 | 150 x 100 mm | 20 x 5,5 mm ² |
| S059/200 | 200 x 130 mm | 20 x 5,5 mm ² |
| S059/250 | 250 x 160 mm | 25 x 5,5 mm ² |
| S059/300 | 300 x 175 mm | 25 x 5,5 mm ² |
| S059/400 | 400 x 200 mm | 29,5 x 5,5 mm ² |
| S059/500 | 500 x 250 mm | 29,5 x 5,5 mm ² |
| S059/600 | 600 x 330 mm | 29,5 x 5,5 mm ² |
| S059/750 | 750 x 375 mm | 29,5 x 5,5 mm ² |
| S059/1000 | 1000 x 500 mm | 29,5 x 5,5 mm ² |



S048-

STAINLESS STEEL 90° KNIFE EDGE SQUARE



875/00

| Art. | Dimensions | Stem |
|----------|--------------|------------------------|
| S048/100 | 100 x 70 mm | 20 x 5 mm ² |
| S048/150 | 150 x 100 mm | 25 x 5 mm ² |

0286-

YELLOW PAINTED JOINER SQUARE



| Art. | Dimensions |
|----------|--------------------|
| 0286/250 | 250 x 130 x 0,8 mm |
| 0286/300 | 300 x 130 x 0,8 mm |
| 0286/350 | 350 x 155 x 0,8 mm |

S056-

90° MAGNETIC SQUARE



Box

| Art. | Dimensions | Max. magnetic force |
|----------|-------------------|---------------------|
| S056/150 | 150 x 150 x 50 mm | 500 N |
| S056/200 | 200 x 200 x 50 mm | 1000 N |

S058

TITLTABLE MAGNETIC SQUARE



Box

| Dimensions | 115 x 115 x 35 mm |
|---------------------|-------------------|
| Degrees | 45° ± 90° |
| Max. magnetic force | 250 N |

S057/125

WELDING HOLDER



Blister

| | |
|--------------------|-------------------|
| Dimensions | 135 x 135 x 25 mm |
| Magnetic force | 340 N |
| Hold working angle | 45 - 90 - 135° |

S057/060S

MINI WELDING HOLDER



4 Pcs



Blister

| | |
|--------------------|-------------------|
| Dimensions | 50 x 60 x 12,5 mm |
| Magnetic force | 45 N |
| Hold working angle | 45 - 90 - 135° |

0212

FEELER



Blister

| | |
|--------------|----------------|
| Feelers num. | 20 |
| Sizes | 0,05 - 1,00 mm |

FGx-AI

FEELER GAUGE SET, STAINLESS STEEL

Conical-shaped blades, nickel-plated case with locking nut, measurements in mm and inches on each blade.



Blister

INOX

| Art. | Feelers num. | Tolerance | Sizes | Blade length |
|---------|--------------|-----------|---------------------------------|--------------|
| FG01/AI | 13 | T2 | 0,05 - 1,00 mm 0,002 - 0,040" | 100 mm |
| FG02/AI | 20 | T2 | 0,05 - 1,00 mm 0,002 - 0,040" | 100 mm |

HT125

HOLDER FOR FEELER GAUGE BLADES



Blister

| | |
|------------|-------------|
| Dimensions | 125 x 17 mm |
|------------|-------------|



FGx

FEELER GAUGE SET

Conical-shaped blades, nickel-plated case with locking nut, measurements in mm and inches on each blade.



Blister



Steel

| Art. | Feelers num. | Tolerance | Sizes | Blade length |
|------|--------------|-----------|---------------------------------|--------------|
| FG01 | 13 | T2 | 0,05 - 1,00 mm 0,002 - 0,040" | 100 mm |
| FG02 | 20 | T2 | 0,05 - 1,00 mm 0,002 - 0,040" | 100 mm |

TGx-AE

THICKNESS GAUGE FOIL

Measure in mm and inches on each blade. T2 tolerance



Blister



Steel

| Art. | Thickness | Length |
|----------|-------------------|--------|
| TG001/AE | 0.01 mm 0.0004" | 5 m |
| TG002/AE | 0.02 mm 0.0008" | 5 m |
| TG003/AE | 0.03 mm 0.0012" | 5 m |
| TG004/AE | 0.04 mm 0.0016" | 5 m |
| TG005/AE | 0.05 mm 0.0020" | 5 m |
| TG006/AE | 0.06 mm 0.0024" | 5 m |
| TG007/AE | 0.07 mm 0.0028" | 5 m |
| TG008/AE | 0.08 mm 0.0030" | 5 m |
| TG009/AE | 0.09 mm 0.0035" | 5 m |
| TG010/AE | 0.10 mm 0.0040" | 5 m |
| TG012/AE | 0.12 mm 0.005" | 5 m |
| TG015/AE | 0.15 mm 0.006" | 5 m |
| TG018/AE | 0.18 mm 0.007" | 5 m |
| TG020/AE | 0.20 mm 0.008" | 5 m |
| TG025/AE | 0.25 mm 0.010" | 5 m |
| TG030/AE | 0.30 mm 0.012" | 5 m |
| TG035/AE | 0.35 mm 0.014" | 5 m |
| TG040/AE | 0.40 mm 0.016" | 5 m |
| TG045/AE | 0.45 mm 0.018" | 5 m |
| TG050/AE | 0.50 mm 0.020" | 5 m |
| TG055/AE | 0.55 mm 0.022" | 5 m |
| TG060/AE | 0.60 mm 0.024" | 5 m |
| TG065/AE | 0.65 mm 0.026" | 5 m |
| TG070/AE | 0.70 mm 0.028" | 5 m |
| TG075/AE | 0.75 mm 0.030" | 5 m |
| TG080/AE | 0.80 mm 0.032" | 5 m |
| TG085/AE | 0.85 mm 0.034" | 5 m |
| TG090/AE | 0.90 mm 0.036" | 5 m |
| TG095/AE | 0.95 mm 0.038" | 5 m |
| TG100/AE | 1.00 mm 0.040" | 5 m |
| TG110/AE | 1.10 mm | 1 m |
| TG120/AE | 1.20 mm | 1 m |
| TG130/AE | 1.30 mm | 1 m |
| TG140/AE | 1.40 mm | 1 m |
| TG150/AE | 1.50 mm | 1 m |
| TG160/AE | 1.60 mm | 1 m |
| TG170/AE | 1.70 mm | 1 m |
| TG180/AE | 1.80 mm | 1 m |
| TG190/AE | 1.90 mm | 1 m |
| TG200/AE | 2.00 mm | 1 m |



C058

58 BLADE SCREW PITCH GAUGE SET



Blister

| | |
|----------------|-----------------|
| Metric size | 0.25 - 6 mm 60° |
| Whitworth size | 4 - 62 TPI 55° |
| Gas size | 8 - 28 TPI 55° |

C029-

INSIDE CALIPER

For interiors



| Art. | Length |
|----------|--------|
| C029/150 | 150 mm |
| C029/200 | 200 mm |
| C029/250 | 250 mm |
| C029/300 | 300 mm |

C027-

PRECISION DIVIDER

With setting wings and square legs



| Art. | Length |
|----------|--------|
| C027/150 | 150 mm |
| C027/200 | 200 mm |
| C027/250 | 250 mm |
| C027/300 | 300 mm |

C026-

PRECISION DIVIDER

With square legs



| Art. | Length |
|----------|--------|
| C026/150 | 150 mm |
| C026/200 | 200 mm |
| C026/250 | 250 mm |
| C026/300 | 300 mm |

C028-

OUTSIDE CALIPER

For external thicknesses



| Art. | Length |
|----------|--------|
| C028/150 | 150 mm |
| C028/200 | 200 mm |
| C028/250 | 250 mm |
| C028/300 | 300 mm |



P007-

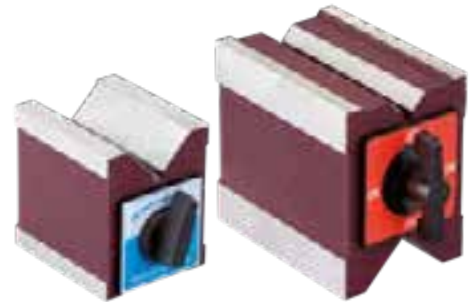
MAGNETIC VEE BLOCK

Single or couple



Box

| Art. | Dimensions | Width | Max. magnetic force | Pieces |
|---------|------------------|------------|---------------------|--------|
| P007/1 | 70 x 60 x 72 mm | 38 mm | 400 N | 1 |
| P007/2 | 100 x 70 x 95 mm | 50 / 16 mm | 300 N | 1 |
| P007/1C | 71 x 60 x 73 mm | 38 mm | 400 N | 2 |
| P007/2C | 100 x 70 x 95 mm | 50 / 16 mm | 300 N | 2 |



P30x

90° BLOCK AND CLAMP

Single and couple.



Box



Steel



Tempered

| Art. | Dimensions | Max clamp | Accuracy | Pieces |
|---------|-----------------------|-----------|----------|--------|
| P301/2 | 63,5 x 63,5 x 50 mm | ø 35 mm | ±0,01 mm | 1 |
| P302/2 | 100 x 75 x 75 mm | ø 65 mm | ±0,01 mm | 1 |
| P303/2 | 150 x 125 x 100 mm | ø 110 mm | ±0,01 mm | 1 |
| P301/2C | 63,5 x 63,5 x 50,8 mm | ø 35 mm | ±0,01 mm | 2 |
| P302/2C | 100 x 75 x 75 mm | ø 65 mm | ±0,01 mm | 2 |
| P303/2C | 150 x 125 x 100 mm | ø 110 mm | ±0,01 mm | 2 |



P20x

PARALLEL VEE BLOCKS



Box

C45

| Art. | Dimensions | Accuracy |
|--------|------------------|----------|
| P200/1 | 75 x 75 x 60 mm | 1/100 mm |
| P201/1 | 100 x 80 x 60 mm | 1/100 mm |



P011-

ANGLE BLOCK



Box

| Art. | Dimensions |
|----------|------------------|
| P011/075 | 75 x 32 x 25 mm |
| P011/100 | 102 x 48 x 46 mm |





F813

NEW

PRECISION TAPE



Expositor

| | |
|-----------------|------------|
| Belt dimensions | 3m x 12 mm |
| Accuracy class | II |

F2Gx

PRECISION TAPE

With steel wire stop mechanism and riveted end hook with bottom blade protector built in shock absorber.



Expositor

| Art. | Belt dimensions | Accuracy class |
|------|-----------------|----------------|
| F2G2 | 2 m x 16 mm | II |
| F2G3 | 3 m x 16 mm | II |
| F2G5 | 5 m x 19 mm | II |

F68x

MAGNETIC PRECISION TAPE

With steel wire stop mechanism and riveted end hook with bottom blade protector built in shock absorber.



Expositor

| Art. | Belt dimensions | Accuracy class |
|------|-----------------|----------------|
| F683 | 3 m x 19 mm | II |
| F685 | 5 m x 25 mm | II |
| F688 | 8 m x 25 mm | II |

F80x

PRECISION TAPE

With ergonomic shape, comfortable stopper, polyester film coating, belt clip, blade extra strong. resistance to abrasions, easy to control.



Expositor

| Art. | Belt dimensions | Accuracy class |
|------|-----------------|----------------|
| F802 | 2 m x 16 mm | II |
| F803 | 3 m x 16 mm | II |
| F805 | 5 m x 19 mm | II |
| F808 | 8 m x 25 mm | II |

F32x

MAGNETIC PRECISION TAPE

With automatic brake and magnet.



Expositor

| Art. | Belt dimensions | Accuracy class |
|------|-----------------|----------------|
| F322 | 2 m x 16 mm | II |
| F323 | 3 m x 19 mm | II |
| F325 | 5 m x 25 mm | II |
| F328 | 8 m x 25 mm | II |

R0x

LONG TAPE

Made of steel.



Box

| Art. | Belt dimensions |
|------|-----------------|
| R030 | 30 m x 13 mm |
| R050 | 50 m x 13 mm |

0449

MINI LASER LEVEL

With 4 vials, body in ABS and laser capable of emitting a single point or a perpendicular cross.



Box

| | |
|---------------|--------------------|
| Laser type | Classe II / 650 nm |
| Working range | 20 m |
| Power | < 1 mW |
| Accuracy | 0,05° |
| Battery | 2 x 1,5V AAA |

0109

DIGITAL LEVEL

Magnetic with aluminum body, automatic power off, backlight, 2 vials, inc, abs and hold functions.



Box

| | |
|-----------------|-----------------|
| Length | 400 mm |
| Auto power off | 5 min |
| Measuring range | 0 - 90° x 4 |
| Reading | 0° - 90°: 0,1° |
| Accuracy | 0° - 90°: ±0,2° |
| Battery | 2 x AAA 1,5V |

0646/A

AUTOLEVELLING LASER LEVEL



Box

| | |
|---------------------------------------|--------------------|
| Leveling accuracy | 0,5 mm / m |
| Horizontal and vertical line accuracy | ± 0,5 mm / m |
| Battery | 3 x 1,5V AA |
| Laser type | Classe II / 650 nm |
| Recommended working distance | 10 m |
| Max height | 126,5 cm |
| Minimum height | 52,5 cm |

0666

DIGITAL LEVEL WITH LASER

Measuring unit in degrees or percentage of inclination. Batteries not included.



Box

| | |
|-------------------|--------------|
| Length | 600 mm |
| Auto power off | 5 min |
| Measuring range | 0 ~ 360° |
| Wave length | 650 nm |
| Reading | 0,1° |
| Laser power | < 1 mW |
| Accuracy | ± 0,05° |
| Pointing accuracy | ± 1 mm / m |
| Battery | 2 x 1,5V AAA |

0112

DIGITAL LEVEL

Magnetic with milled aluminum base, automatic power off, backlight, 2 vials, "hold function, 0° and 90° with sound, reading: absolute, ref, percent, mm/m and in/ft, carrying bag.



Box

| | |
|-----------------|---------------------------------------|
| Length | 600 mm |
| Auto power off | 5 min |
| Measuring range | 0 - 90° x 4 |
| Reading | 0° & 90°: 0,05°; 0° - 89°: 0,1° |
| Accuracy | 0° & 90°: ±0,05°; 0,1° - 89,9°: ±0,2° |
| Battery | 2 x AAA 1,5 V |

L090A

DIGITAL LEVEL - INCLINOMETER AND GONIOMETER WITH MAGNET

0 ÷ 90° magnetic digital level on all the 4 directions, inclinometer and goniometer, function: inclination mm/m and in/ft, (%) of inclination, backlight, automatic power off, ABS and relative measurements and automatic digit inversion for overhead measurements, with beeper.



Box

| | |
|-----------------|------------------|
| Accuracy | ± 0.15° |
| Measuring range | 0 ÷ 90° x 4 |
| Reading | 0.05° |
| Dimensions | 151 x 31 x 60 mm |
| Battery | 2 x 1.5 V AAA |

L085

DIGITAL LEVEL BOX

±0 ÷ 180° magnetic, automatic power off, ABS and relative measurements and automatic digit inversion for overhead measurements, hold function.



Blister



| | |
|-----------------|-----------------|
| Accuracy | ± 0.1° |
| Measuring range | 0° ÷ 180° |
| Reading | 0.1° |
| Dimensions | 51 x 51 x 33 mm |
| Battery | 1 x 3 V CR2032 |

0824-

LEVEL

Heavy duty aluminium milled level with 3 vials.



| Art. | Dimensions |
|----------|------------------|
| 0824/300 | 300 x 49 x 23 mm |
| 0824/400 | 400 x 49 x 23 mm |
| 0824/500 | 500 x 49 x 23 mm |
| 0824/600 | 600 x 49 x 23 mm |

L080

DIGITAL LEVEL BOX

0 ÷ 90° magnetic on all the 4 directions, backlight, automatic power off, ABS and relative measurements and automatic digit inversion for overhead measurements.



Blister

| | |
|-----------------|--|
| Accuracy | 0° ± 0.1°; 90° ± 0.1°; 0.1° ÷ 89.9° ± 0.2° |
| Measuring range | 0 ÷ 90° x 4 |
| Reading | 0.1° |
| Dimensions | 59 x 27 x 59 mm |
| Battery | 1 x 1.5 V AAA |

0805/400

MAGNETIC LEVEL

Heavy duty with 3 vials.



| | |
|------------|------------------|
| Dimensions | 400 x 50 x 20 mm |
|------------|------------------|

L200

LINEAR LEVEL

Master precision, with v-slot s ground.



| | |
|------------|------------------|
| Dimensions | 200 x 45 x 40 mm |
| Accuracy | 0,02 mm / m |

L150

SQUARE LEVEL

Master precision, with 2 plane sides and 2 prismatic sides.



| | |
|------------|-------------------|
| Dimensions | 150 x 38 x 150 mm |
| Accuracy | 0,02 mm / m |

G008

DIGITAL ANGLE FINDER AND LEVEL WITH 2 VIALS

Automatic calculation of angles and inclinations.



Blister

| | |
|----------|----------|
| Length | 400 mm |
| Range | 0 ÷ 225° |
| Reading | 0,1° |
| Accuracy | ± 0,5° |
| Battery | 1x 9V |

G006-

PROTRACTOR

With locking screw, laser engraved scale.



Steel



Chromed

| Art. | Arch | Beam | Range |
|----------|----------|--------|----------|
| G006/120 | Ø 80 mm | 120 mm | 0 ÷ 180° |
| G006/150 | Ø 120 mm | 150 mm | 0 ÷ 180° |
| G006/200 | Ø 150 mm | 200 mm | 0 ÷ 180° |
| G006/300 | Ø 200 mm | 300 mm | 0 ÷ 180° |
| G006/500 | Ø 300 mm | 500 mm | 0 ÷ 180° |
| G006/600 | Ø 300 mm | 600 mm | 0 ÷ 180° |

G005

UNIVERSAL BEVEL PROTRACTOR



| | |
|---------|-----------|
| Reading | 5' |
| Range | 0° ÷ 360° |
| Beam | 300 mm |



E022/12
FLEXIBLE ENDSCOPE FOR MECHANICAL USE

With probe \varnothing 12 mm equipped with: 3.5" color lcd screen, flexible probe, camera with Led lights, you can add up to 2 extensions, magnetic terminal, terminal hook, terminal with mirror.



Carrying case

| | |
|------------------------|---------------------|
| Length without handle | 900 mm |
| Probe | \varnothing 12 mm |
| View | 0° - 60° |
| Battery | 1 x 9 V |
| Max depth of detecting | 50 mm |
| Distance | 2.5 cm - 30 cm |
| Display | 3.5" LCD |
| Usage time | > 2hr |
| Working temperature | 0°C - 45°C |
| Storage temperature | -20°C - +60°C |
| Dimensions | 215 x 156 x 96 mm |


M072
MAGNIFIER FOR MEASURING


Box

| | |
|---------------|---------------|
| Magnification | 10x |
| Field of view | 24 mm |
| Range | 0 \pm 20 mm |
| Reading | 0,1 mm |

E022/5
FLEXIBLE PROBE


| | |
|------------|----------------------|
| Dimensions | \varnothing 5,5 mm |
| Length | 1070 mm |

E022/P
FLEXIBLE EXTENSION


| | |
|------------|---------------------|
| Dimensions | \varnothing 18 mm |
| Length | 2750 mm |

M069
STEREO MICROSCOPE


Box

| | |
|--------------------------------------|-------------------------|
| Independent transmitted illumination | 12 V - 10 W |
| Working range | 165 mm 10x - 119 mm 20x |
| Power | 230 V 50 Hz |
| Eyepieces | 10x - 20x |
| Objectives | 1x - 2x |
| Magnification | 10x \pm 40x |

M071
STEREO MICROSCOPE


Box

| | |
|---|---------------|
| Independent incident and transmitted illumination | 12 V - 10 W |
| Max height of piece to check | 75 mm |
| Power | 230 V 50 Hz |
| Eyepieces | 10x |
| Objectives | 2x - 4x |
| Magnification | 20x \pm 40x |

P080

DIGITAL CLAMP METER

With LCD display. 7 operating modes: AC current, AC voltage, DC voltage, resistance, continuity, frequency, diode control. High reliability.



Box

| | |
|------------|---|
| ACV | 4 / 40 / 400 / 600 V ±1,5 % + 4 |
| ACA | 4 / 40 / 400 / 600 A ±1,5 % + 4 |
| DCV | 4 / 40 / 400 / 600 V ±1,0 % + 2 |
| RES | 400 Ω / 4 kΩ / 40 kΩ / 400 kΩ / 4 MΩ / 40 MΩ ±1,0 % + 2 |
| Frequency | 10 MHz ±0,8 % + 2 |
| Battery | 2 x 1,5 V x AA |
| Dimensions | 250 x 71 x 38.8 mm |

P075

DIGITAL CLAMP METER

With LCD display. 9 operating modes: AC current, AC voltage, DC voltage, resistance, continuity, frequency, diode control, temperature measurement. High reliability.



Box

| | |
|-------------|----------------------|
| ACV | 750 V ±1,2 % |
| ACA | 200 - 1000 A ±2,0 % |
| DCV | 1000 V ±1,0 % |
| DCA | 200 - 1000 A ±2,0 % |
| RES | 200 Ω ±1,0 % |
| Frequency | 2k Hz ±2,5 % |
| Temperature | -40°C - 400°C ±1,5 % |
| Battery | 1 x 9V |

0029

AUTOMOTIVE CIRCUIT TESTER

For the identification of the current in the wires of the cars, with voltage of 6-12-24V.



| | |
|---------|---------------|
| Voltage | 6 - 12 - 24 V |
|---------|---------------|

0013/142

CIRCUIT TESTER SCREWDRIVER

With handle in insulating material, neon light and steel blade.



| | |
|--------|-------------|
| Range | 100 ÷ 500 V |
| Length | 142 mm |

0013/185

CIRCUIT TESTER SCREWDRIVER

With handle in insulating material, neon light and steel blade.



| | |
|--------|-------------|
| Range | 100 ÷ 500 V |
| Length | 190 mm |

T051

POCKET DIGITAL MULTIMETER

Audible continuity and diode test.



Box

| | |
|---------|----------------------|
| DCV | 2-20-200-500V ±0,5% |
| ACV | 200-500V ±1,2% |
| DCA | 200mA ±1,5% |
| RES | 2K-20K-200K-2M Ω ±1% |
| Battery | 1 x A23 |

T050
DIGITAL MULTIMETER

High accuracy temperature meter, audible continuity and diode test.



Box

| | |
|-------------|---|
| DCV | 200 mV ±0,5% |
| DCV | 2 V - 20 V - 200 V ±0,8% |
| DCV | 1000 V ±0,1% |
| ACV | 2mV - 20 V - 200 V ±1,0% |
| ACV | 750 V ±1,2% |
| DCA | 2 mA - 20 mA ±1,8% |
| DCA | 200 mA ±2,0% |
| DCA | 20 A ±2,0% |
| ACA | 200 mA ±2,0% |
| ACA | 20 A ±3,0% |
| RES | 200 Ω ±1,0% |
| RES | 2KΩ - 20KΩ - 200KΩ - 2MΩ ±1,0% |
| RES | 20 MΩ ± 1.0% |
| RES | 200 MΩ ±5.0% |
| CAP | 2000 pF - 20 nF - 200 nF - 2 μF - 20 μF ±4% |
| Temperature | -40 °C ÷ 400 °C ±1,0% |
| Temperature | 400 °C ÷ 1000 °C ±1,5% |
| Battery | 1x 9V |


T053
DIGITAL MULTIMETER

High accuracy temperature meter, audible continuity and diode test.



Box

| | |
|---------------------|--|
| DCV | 200 mV - 2 V - 20 V - 200 V - 1000 V ±0,8% |
| ACV | 200 mV - 2 V - 20 V - 750 V ±1,2% |
| DCA / ACA | 200 μA - 2 mA - 20 mA - 200 mA - 20 A ±2,0% |
| RES | 2000 - 2kΩ - 20kΩ - 200kΩ - 2MΩ - 20MΩ - 200MΩ ±1% |
| CAP | 20 nF / 200 nF / 2 μF / 20 μF / 200 μF / 2000 μF ±2,5% |
| Inductance | 2 mH - 20mH - 200 mH - 2 H - 20 H |
| Battery | 1x 9V |
| Temperature | -20 °C ÷ 1000 °C |
| Frequency | 10 mHz |
| hFE transistor test | 0 - 1000 |


ML80A
LASER METER

Handy and lightweight, ideal for the measurements in construction and carpentry, functions: addition, subtraction, area and volume calculation, auto power off.



Blister



| | |
|----------|-------------|
| Range | 0,05 ÷ 80 m |
| Accuracy | ±2 mm |
| Battery | 3 x AAA |

ML40
LASER DISTANCE METER

Ideal for the measurements in construction and carpentry, functions: addition, subtraction, area and volume calculation, auto power off.



Blister



| | |
|----------|-------------|
| Range | 0,05 ÷ 40 m |
| Accuracy | ± 2 mm |
| Battery | 2 x AAA |

T068

LASER POINTER INFRARED TEMPERATURE METER

Not suitable for body temperature measurement.



Box

| | |
|--------------------|--|
| Range | -30°C÷550 °C -22 F÷1022 F |
| Accuracy | -30 °C ÷ 0 °C -22 F ÷ 32 F ±3 % or ±3 °C |
| Accuracy | 0 °C ÷ 100 °C 32 F ÷ 212 F ±2 % or ±2 °C |
| Accuracy | > 100 °C > 212 F ±3 % or ±3 °C |
| Reading | 0,1 °C 0,1 F |
| Emissivity | 0,1 ÷ 1,0 |
| Battery | 1x 9V |
| Dimensions | 146 x 80 x 38 mm |
| Distance/Spot size | 1 : 12 |

T064

LASER POINTER INFRARED TEMPERATURE METER

High precision. Non-contact temperature measurement. Not suitable for human beings.



Blister

| | |
|--------------------|-------------------------------|
| Range | -25°C÷400 °C -13 F÷752 F |
| Accuracy | -25 °C ÷ 400 °C ±(2 % + 1 °C) |
| Accuracy | -13 F ÷ 752 F ±(2 % + 1 F) |
| Reading | 1 °C 2 F |
| Battery | 1x 9V |
| Distance/Spot size | 1 : 10 |
| Sampling time | 0.5 s |
| Emissivity pre-set | 0.95 |

T057

ENVIRONMENTAL TEMPERATURE AND HUMIDITY DIGITAL TESTER

High precision, with micro-computer LSI.



Carrying case

| | |
|----------------------|------------------|
| Temperature | -10 °C ÷ +65 °C |
| Temperature reading | 0,1 °C |
| Temperature accuracy | ±0,5 °C |
| Humidity | 10 % ÷ 100 % |
| Accuracy | 2 % ±1 % RH |
| Battery | 4 x 1,5 V AA |
| Response time | 0.4 s |
| Energy consumption | 16 mA |
| Dimensions | 202 x 72 x 37 mm |

I002

INDUCTIVE MOISTURE METER FOR MEASURING HUMIDITY

Wood and building materials. With Micro-Computer LSI and crystal timer for high precision. Computer connection for data transfer. Not suitable for measuring environmental humidity.



Carrying case

| | |
|---------------------|------------------|
| Working temperature | 0 °C - 40 °C |
| Range | 0 - 80 % |
| Building moisture | 0 - 50 % |
| Reading | 0,1 % |
| Accuracy | ± (0,5 % n+1) |
| Battery | 4 x 1,5 V AA |
| Dimensions | 165 x 62 x 26 mm |

T054

POCKET DIGITAL TEMPERATURE METER

With environmental and immersion purpose thermocouples.



Box

| | |
|-------------------|---|
| Reading | 1° C |
| Range | -50°C ÷ 1100°C with not supplied probe T056/TP03, -50°C ÷ 750°C with supplied probe T056/TP02, -50°C ÷ 250°C with suppl |
| Accuracy | 0°C ÷ 500°C ±(0,75% +1°C), 500°C ÷ 750°C ± (1% + 1°C), 750°C ÷ 1000°C ± (2% + 1°C), 1000°C ÷ 1200°C ± (4% + 3°C) |
| Thermocouple type | "K" |
| Battery | 1x 9V |

T063

PORTABLE DIGITAL TEMPERATURE METER

Environmental and immersion purpose thermocouples type "K", double temperature detection, with box.



Box

| | |
|----------|----------------------------------|
| Range | T056/TP01: -50°C ÷ 250°C |
| Range | T056/TP02: -50°C ÷ 750°C |
| Reading | 1° C |
| Accuracy | -50 °C ÷ 1200 °C ±(0.3 % + 2 °C) |
| Accuracy | 1200°C ÷ 1300 °C ±(0.6 % + 2 °C) |
| Accuracy | -58 F ~ 1200 F ±(0.3 % + 2 F) |
| Accuracy | 1200 F ~ 1999 F ±(0.6 % + 2 F) |
| Battery | 1x 9V |

T055
PORTABLE DIGITAL TEMPERATURE METER

Environmental and immersion purpose thermocouples type "K" with plastic box.



Box

| | |
|---------------------|--------------------------|
| Range | T056/TP01: -50°C ÷ 250°C |
| Range | T056/TP02: -50°C ÷ 750°C |
| Reading | 0,1 F |
| Reading | 0,1 °C |
| Accuracy | ±(0,3% n+1.8 F) |
| Accuracy | ±(0,3% n+1 °C) |
| Dimensions | 178 x 68 x 39 mm |
| Thermocouple length | 120 mm |
| Battery | 4 x 1,5 V AA |

F010
SOUND LEVEL METER

High precision, Fast, Slow Max survey mode. Computer connection for data transfer.



Carrying case

| | |
|---------------------------|--|
| Frequency range | 31,5 Hz ÷ 8 kHz |
| Range | 30 dB ÷ 130 dB (A) 32 dB ÷ 130 dB (C) 35 dB ÷ 130 dB (Lineare) |
| Reading | 0,1 dB |
| Functions | SL, LN, Leq (livello equivalente) |
| Detection characteristics | Fast, Slow, Max |
| Sampling time | 0,1 s |
| Display | 10 mm |
| Working temperature | -10 °C ÷ 40 °C |
| Not included batteries | 4 x 1,5 V AAA |
| Response time | 1 s |
| Dimensions | 236 x 63 x 26 mm |

T056/TP01
ENVIRONMENTAL THERMOCOUPLE "K" TYPE


| | |
|---------------------|---------------|
| Range | -50°C ÷ 250°C |
| Thermocouple type | "K" |
| Thermocouple length | 2 mm |

T056/TP02
ENVIRONMENTAL OR IMMERSION THERMOCOUPLE "K" TYPE


| | |
|-------------------|---------------|
| Range | -50°C ÷ 750°C |
| Thermocouple type | "K" |
| Total length | 135 mm |

T056/TP03
THERMOCOUPLE "K" TYPE

Environmental or immersion.



| | |
|---------------------|------------------|
| Range | -50 °C ÷ 1100 °C |
| Thermocouple type | "K" |
| Thermocouple length | 650 mm |

A005
DIGITAL ANEMOMETER


Carrying case

| | |
|--------------------------------|--|
| AIR SPEED MEASUREMENT | |
| Measurement | m/s - Km/h - ft/min - Knots |
| Spindle speed | 0,4 ÷ 30,0 / 1,4 ÷ 108 / 80 ÷ 5910 / 0,8 ÷ 58,3 |
| Reading | 0,1 |
| Accuracy | ± (2%+1 digit) / ± (2%+3 digits) / ± (2%+2 digits) / ± (2%+2 digits) |
| TEMPERATURE MEASUREMENT | |
| Range | 0°C ÷ 60°C 32 F ÷ 140 F |
| Reading | 0,1° C 0,1 F |
| Accuracy | 0,5°C 0,9 F |
| Battery | 1x 9V not included |

L014
DIGITAL LUXMETER


Carrying case

| | |
|----------|--|
| Range | 0 LUX ÷ 2000 LUX ÷ 20000 LUX ÷ 50000 LUX |
| Reading | 1 LUX |
| Accuracy | ± 5 % |
| Battery | 1x 9V |

MD01
METAL DETECTOR

Analogue consisting of 2 color Leds for metal recognition. Audio sensor.



Box

| | |
|----------------|-----------------------------------|
| Coil diameter | 170 mm |
| Jack connector | 1/4" |
| Sensitivity | > 15 cm per una moneta di Ø 25 mm |
| Battery | 1x 9V |

C069
CONTACT TYPE DIGITAL TACHOMETER


Carrying case

| | |
|---------------|-----------------------|
| Round speed | 2,5 - 9999,9 rpm |
| Surface speed | 0,05 - 999,99 m/min |
| Reading | 0,1 (7,5 - 999,9) rpm |
| Reading | 1 (1000-9999,9) rpm |
| Accuracy | ± 0,05 % + 1 digit |
| Dimensions | 190 x 72 x 37 mm |
| Battery | 4 x 1,5 V AA |

O387A
DIGITAL MULTI-FUNCTION DETECTOR

For measuring ferrous and non-ferrous metals, wood and live cables in walls, ceilings and floors.



Box

| | |
|------------------------|------------------|
| Max depth of detecting | |
| Ferrous metal | 100 ± 5 mm |
| No ferrous metal | 70 ± 5 mm |
| Wood | 20 ± 5 mm |
| Depth of AC | 50 ± 5 mm |
| Battery | 1x 9V |
| Dimensions | 150 x 75 x 24 mm |

C070
CONTACT AND OPTICAL TYPE DIGITAL TACHOMETER

With reflective stripes.



Carrying case

| | |
|------------------------|--|
| Rotation laser speed | 2,5 ÷ 9999,9 rpm |
| Rotation contact speed | 0,05 ÷ 999,9 rpm |
| Surface speed | 0,1 ÷ 999,99 m / min |
| Reading | 0,1 (2,5 ÷ 999,9) rpm |
| Reading | 1 (1000 ÷ 9999,9) rpm |
| Use distance | da 50 ÷ 60 mm a 50 ÷ 250 mm (con ottico) |
| Accuracy | ± 0,05 % + 1 digit |
| Dimensions | 220 x 75 x 29 mm |
| Battery | 4 x 1,5V AA |
| Working temperature | 0°C ÷ 40°C |
| Sampling time | 0.8 s |

C067
PHOTO TYPE DIGITAL TACHOMETER

With reflective stripes.



Carrying case

| | |
|--------------|-------------------------------|
| Range | 2,5 ÷ 9999,9 rpm |
| Reading | 0,1 (2,5 ÷ 999,9) rpm |
| Reading | 1 (1000 ÷ 9999,9) rpm |
| Use distance | da 50 ÷ 60 mm a 50 ÷ 250 mm |
| Accuracy | ± 0,05 % of reading + 1 digit |
| Dimensions | 170 x 72 x 37 mm |
| Battery | 4 x 1,5V AA |

0543
CAR EMERGENCY DIGITAL TIRE GAUGE

Suitable in emergency conditions, it can be used in 4 different ways: digital tire gauge, Led flashlight, glass breaker hammer, seat belt cutter.



Blister



| | |
|---------------------|--|
| Range | 3÷150 psi 0,21÷10,34 bar 21÷1034 kPa |
| Working temperature | -20°C ~ + 50° C |
| Battery | 2x 1.5V AA |

V002
VIBRATION TESTER

Equipped of magnetic probe, 2 ends, software and usb cable.

| | |
|---------------|----------------------------|
| Acceleration | 0,1 ÷ 400 m/s ² |
| Speed | 0,01 ÷ 40 cm/s |
| Max offset | 0,001 ÷ 4 mm |
| Balancing rpm | 60 ÷ 99,990 |
| Frequency | 1÷20 kHz |
| Accuracy | ± 5 % |
| Battery | 4 x 1,5 V AA |


0836
DIGITAL PRESSURE GAUGE

With tyre depth gauge and Led light.



Blister



| | |
|----------|---|
| Range | 0,5÷99,5 psi 0,034÷6,86 bar, 3,45÷686 kPa |
| Accuracy | ±1% |
| Battery | 3 x SR44 |

S004
ULTRASONIC THICKNESS GAUGE

| | |
|------------|------------------|
| Reading | 4-digit LCD |
| Range | 1,0 ÷ 225,0 mm |
| Accuracy | ±0,1 mm |
| Dimensions | 126 x 68 x 23 mm |
| Battery | 2 x 1,5 V AA |


0583
BRIX REFRACTOMETER


Carrying case

| | |
|-------|---------------|
| Range | 0 ÷ 80 % Brix |
|-------|---------------|

0433
REFRACTOMETER

Brix, useful to check coolant oils.



Carrying case

| | |
|-------|--------------|
| Range | 0 ÷ 32% Brix |
|-------|--------------|

0312
REFRACTOMETER TO MEASURE FREEZING POINT


Carrying case

| | |
|-----------------------------|----------------|
| Range for coolants E | -50 °C ÷ 0 °C |
| Range for coolants P | -50 °C ÷ 0 °C |
| Range for battery liquids B | 1,10 ÷ 1,40 SG |
| Range for cleaner liquids C | -40 ÷ 0°C |

0312/AB
REFRACTOMETER FOR AUTOMOTIVE LIQUIDS WITH ADBLUE


Carrying case

| | |
|-----------------------------|----------------|
| Range for coolants E | -40 °C ÷ 0 °C |
| Range for coolants P | -50 °C ÷ 0 °C |
| Range for battery liquids B | 1,10 ÷ 1,40 SG |
| AdBlue | 30 ÷ 35 % |

D001
ROCKWELL HARDNESS TESTING MACHINE


Wooden Box

| | |
|------------------------------------|---|
| Reading | 0,5 HR |
| Diamond and still ball penetrators | n° 1+1 |
| Flat anvils | n° 2 |
| V - anvil | n° 1 |
| Hardness test blocks | n° 5 (HRC, 3xHRB, HRA) |
| Max Height of tested piece | 170 mm |
| Throat depth | 125 mm |
| Durometer dimensions | 185 x 465 x 640 mm |
| Test force | 588,4 N / 980,7 / 1471 N (60 kgf / 100 kgf / 150 kgf) |
| MEASURE UNITS: | |
| HRC | 20 ÷ 70 |
| HRB | 25 ÷ 100 |
| HRA | 20 ÷ 88 |
| Net weight | 90 kg |


D018
HARDNESS TESTING MACHINE

Motorized, rockwell, brinell and vickers.



Wooden Box

| | |
|--------------------------------------|---|
| Test force | 294,2 N / 306,5 N / 588,4 N / 612,9 N / 980,7 N / 1471 N / 1839 N; 30 kgf / 31,25 kgf / 60 kgf / 62,5 kgf / 100 kgf / 150 kgf / 187,5 kgf |
| Diamond cone and pyramid penetrators | n° 1+1 |
| Steel ball penetrators | n° 3 |
| Flat anvils | n° 2 |
| V - anvil | n° 1 |
| Hardness test blocks | n° 2 Brinell; n° 2 Rockwell; n° 1 Vickers |
| Magnification | 37,5x - 75x |
| Max Height of tested piece | Rockwell: 175 mm; Brinell - Vickers: 145 mm |

| | |
|-----------------------|--------------------------|
| Throat depth | 160 mm |
| Power | 230 V - 50 / 60 Hz - 6 W |
| Durometer dimensions | 525 x 240 x 730h mm |
| MEASURE UNITS: | |
| HBS | 4 - 450 |
| HRB | 20 - 100 |
| HRA | 20 - 88 |
| HRC | 20 - 70 |
| HV | 200 - 1000 |
| Net weight | 70 kg |



D007/A
SHORE "A" DUROMETER

Rubber and soft material hardness tester.



| | |
|---------|-----------|
| Range | 0 ÷ 100 A |
| Reading | 2 A |

D011/A
SHORE "A" DIGITAL DUROMETER

Rubber and soft material hardness tester.



| | |
|---------|----------------|
| Range | 0 ÷ 100 A |
| Reading | 0.5 A |
| Battery | 1 x 3 V CR2032 |

D011/D
SHORE "D" DIGITAL DUROMETER

Hard rubber and plastic material hardness tester.



| | |
|---------|----------------|
| Range | 0 ÷ 100 D |
| Reading | 0.5 D |
| Battery | 1 x 3 V CR2032 |

P013
SHORE "A" DUROMETER TEST BLOCK

With variable hardness from 26ha to 88ha. Test block colours: purple, brown, green, orange, red, yellow and grey. Precision ±2ha.



7 Pcs

S110
CONCRETE TEST HAMMER

For measuring the hardness of cement manufactured products.



| | |
|----------------|----------|
| Test force | 2.207 Nm |
| Spring tension | 7.84 N |
| Swing | 75 mm |

S111
ANVIL FOR CONCRETE TEST HAMMER SETTING


B031
HIGH ACCURACY DIGITAL POCKET SCALE

Not legal for trade.



Box

| | |
|---------------|-------------------|
| Capacity | 100 g |
| Reading | 0,01 g |
| Weighing mode | g / dwt / tl / ct |
| Battery | 1 x 3 V CR2032 |

B021
HIGH ACCURACY DIGITAL POCKET SCALE

Not legal for trade. Tare and calibration functions.



Box

| | |
|---------------|-------------------|
| Capacity | 500 g |
| Reading | 0,1 g |
| Weighing mode | g / dwt / gn / ct |
| Battery | 2 x 1,5V AAA |

B003/5/1
ELECTRONIC DIGITAL SCALE

Not legal for trade, auto power off, tare function.



Box

| | |
|------------|-------------------|
| Capacity | 5 kg - 176,4 oz |
| Reading | 1 g 0,1 oz |
| Battery | 2 x 1,5V AA |
| Dimensions | 170 x 240 x 35 mm |

B018
ELECTRONIC DIGITAL SCALE WITH DOUBLE DISPLAY

Not suitable for dealings with third parties. Equipped with 4 V 4AH battery and charger. Memory for unit values. Calculate total values.



Box

| | |
|----------------------|--------------------|
| Capacity | 30 kg |
| Reading | 10 g |
| Platform size | 340 x 230 mm |
| Dimensions | 350 x 330 x 120 mm |
| Power | 230V 50 Hz |
| Rechargeable battery | 1 x 4 V 4 Ah |

B004-
RECHARGEABLE ELECTRONIC DIGITAL COUNTER SCALES

Not legal for trade with 6V 4A and transformer.



Box

| Art. | Capacity | Reading | Scale dimensions | Platform dimensions | Rechargeable battery |
|---------|----------|---------|--------------------|---------------------|----------------------|
| B004/7 | 7,5 kg | 0,2 g | 350 x 340 x 105 mm | 335 x 228 mm | 1 x 6 V 4 Ah |
| B004/30 | 30 kg | 1 g | 350 x 340 x 105 mm | 335 x 228 mm | 1 x 6 V 4 Ah |

0561/B
SPARE PART BATTERY

For every B004 scale.

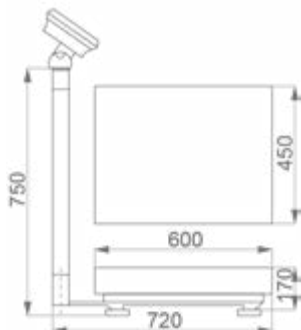




B004/150

RECHARGEABLE ELECTRONIC DIGITAL COUNTER SCALE

Not legal for trade with 6V 4A battery and transformer.



Box

| | |
|----------------------|--------------|
| Capacity | 150 kg |
| Reading | 10 g |
| Rechargeable battery | 1 x 6 V 4 Ah |
| Net weight | 17 kg |

0561/B

SPARE PART BATTERY

For every B004 scale.



D010-

DIGITAL CRANE SCALES

With cast aluminum structure, equipped with battery, charger, infrared remote control and sound signal. Double unit of measurement kg / lb. With Peak, Hold, Tare, Zero and addition functions. Large fonts for easy reading. Not suitable for relations with third parties.



Box

| Art. | Digits sizes | Capacity | Reading | Minimum weighing | Max weight | Battery | Net weight |
|-----------|--------------|----------|----------|------------------|------------|--------------|------------|
| D010/0100 | 40 x 20 mm | 1000 kg | 0.500 kg | 0.500 kg | 150% | 1 x 6 V 4 Ah | 7,1 kg |
| D010/0300 | 40 x 20 mm | 3000 kg | 1 kg | 1 kg | 150% | 1 x 6 V 4 Ah | 7,5 kg |
| D010/0500 | 40 x 20 mm | 5000 kg | 2 kg | 2 kg | 150% | 1 x 6 V 4 Ah | 12,3 kg |
| D010/1000 | 40 x 20 mm | 10000 kg | 5 kg | 5 kg | 150% | 1 x 6 V 4 Ah | 25,7 kg |

D012-

DIGITAL CRANE SCALES

Equipped with battery, charger, remote control, back light and sound signal. Double unit of measurement kg/lb. With Peak, Hold, Tare and Zero functions. Large fonts for easy reading. Not suitable for relations with third parties.



Box

| Art. | Digits sizes | Capacity | Reading | Minimum weighing | Max weight | Rechargeable battery | Net weight |
|-----------|--------------|----------|----------|------------------|------------|----------------------|------------|
| D012/0100 | 40 x 20 mm | 1001 kg | 0,200 kg | 0,200 kg | 150% | 1 x 6 V 10 Ah | 12 kg |
| D012/0300 | 40 x 20 mm | 3001 kg | 0,500 kg | 0,500 kg | 150% | 1 x 6 V 10 Ah | 14,5 kg |
| D012/0500 | 40 x 20 mm | 5001 kg | 1 kg | 1 kg | 150% | 1 x 6 V 10 Ah | 19 kg |
| D012/1000 | 40 x 20 mm | 10001 kg | 2 kg | 2 kg | 150% | 1 x 6 V 10 Ah | 32 kg |

| ART | PAG | ART | PAG | ART | PAG |
|--------------|-----|---------|-----|----------|-----|
| 0010 | 380 | 0046 | 524 | 0092 | 474 |
| 0011 | 061 | 0047 | 524 | 0093/22 | 473 |
| 0012 | 060 | 0048 | 529 | 0093/42 | 474 |
| 0013/142 | 582 | 0049 | 526 | 0094 | 372 |
| 0013/185 | 582 | 0050 | 525 | 0095 | 468 |
| 0018/15 | 408 | 0051 | 525 | 0096 | 467 |
| 0018/30 | 408 | 0052 | 522 | 0096/L | 469 |
| 0019- | 413 | 0054/10 | 368 | 0101/500 | 475 |
| 0020 | 453 | 0054/4 | 368 | 0102 | 082 |
| 0020/1 | 453 | 0056- | 383 | 0103 | 483 |
| 0020/2 | 453 | 0059 | 526 | 0104 | 448 |
| 0020/3 | 453 | 0060 | 371 | 0105 | 501 |
| 0020/4 | 453 | 0062- | 379 | 0105T | 500 |
| 0020/5 | 453 | 0063 | 372 | 0106 | 073 |
| 0020/6 | 453 | 0064 | 389 | 0107 | 548 |
| 0021/1 | 372 | 0065A | 370 | 0109 | 578 |
| 0021/2 | 372 | 0066 | 387 | 0110 | 501 |
| 0022 | 079 | 0067 | 371 | 0110T | 500 |
| 0023 | 072 | 0068/S | 388 | 0112 | 578 |
| 0024 | 533 | 0068L | 388 | 0113 | 083 |
| 0026 | 533 | 0069- | 371 | 0115 | 525 |
| 0027/30W | 532 | 0070 | 387 | 0116 | 478 |
| 0027/40W | 532 | 0070/C | 387 | 0116P | 478 |
| 0027/40W/TIP | 532 | 0071 | 534 | 0118 | 456 |
| 0028 | 388 | 0073 | 397 | 0119 | 456 |
| 0028R | 388 | 0075 | 380 | 0119/5 | 456 |
| 0028-xL | 388 | 0076 | 408 | 0119/7 | 456 |
| 0029 | 582 | 0077 | 408 | 0120 | 456 |
| 0031 | 532 | 007x | 407 | 0121 | 456 |
| 0033A | 532 | 0080 | 409 | 0122 | 455 |
| 0033A/TIP | 532 | 0081 | 473 | 0123 | 549 |
| 0034 | 534 | 0082 | 444 | 0125 | 527 |
| 0035 | 468 | 0083 | 443 | 0126 | 461 |
| 0036- | 342 | 0084- | 400 | 0127 | 461 |
| 0036-xG | 342 | 0085 | 481 | 0128A | 548 |
| 0037 | 532 | 0087 | 226 | 0130- | 457 |
| 0037/TIP | 532 | 0087/35 | 226 | 0132 | 067 |
| 0038 | 355 | 0088 | 435 | 0133 | 067 |
| 0042- | 343 | 0089 | 445 | 0134- | 399 |
| 0043 | 483 | 0090 | 403 | 0134S | 399 |
| 0044 | 522 | 0090- | 403 | 0135- | 342 |
| 0045 | 522 | 0091 | 481 | 0136 | 455 |

| ART | PAG | ART | PAG | ART | PAG |
|----------|-----|----------|-----|-----------|-----|
| 0137 | 410 | 0183/750 | 535 | 0218-xB | 544 |
| 0138 | 099 | 0184- | 482 | 0218-xS | 544 |
| 0140- | 342 | 0186 | 056 | 0219 | 464 |
| 0141 | 473 | 0187 | 399 | 0220 | 405 |
| 0142- | 106 | 0188- | 107 | 0220/C | 405 |
| 0143/25 | 390 | 0188-xG | 107 | 0221 | 397 |
| 0143A | 390 | 0189- | 540 | 0222 | 397 |
| 0144 | 099 | 0189/G | 540 | 0222- | 397 |
| 0145- | 342 | 0190 | 405 | 0223 | 397 |
| 0146/60 | 343 | 0190T | 406 | 0224- | 397 |
| 0147 | 373 | 0192 | 466 | 0225- | 457 |
| 0148/500 | 459 | 0194 | 540 | 0226 | 471 |
| 0149 | 518 | 0195 | 423 | 0227- | 457 |
| 0151 | 476 | 0196 | 399 | 0228 | 413 |
| 0152 | 462 | 0196- | 399 | 0229 | 477 |
| 0153- | 458 | 0197 | 082 | 0230 | 065 |
| 0154- | 458 | 0198 | 466 | 0231 | 477 |
| 0156- | 535 | 0199 | 396 | 0232 | 356 |
| 0157- | 345 | 0199P | 396 | 0233 | 356 |
| 0158/500 | 535 | 0199P- | 396 | 0234 | 481 |
| 0159 | 471 | 0200 | 395 | 0235 | 080 |
| 0160 | 464 | 0201 | 395 | 0236 | 383 |
| 0161 | 471 | 0201- | 395 | 0237- | 383 |
| 0162 | 463 | 0202 | 466 | 0238 | 226 |
| 0163 | 313 | 0203 | 355 | 0239/400 | 459 |
| 0164 | 502 | 0204 | 396 | 0241 | 377 |
| 0164/250 | 535 | 0205 | 344 | 0242 | 059 |
| 0165 | 499 | 0205/120 | 344 | 0243- | 459 |
| 0166 | 463 | 0206 | 456 | 024xE | 455 |
| 0167- | 344 | 0207 | 444 | 024xI | 455 |
| 0168 | 463 | 0208 | 396 | 0250 | 345 |
| 0169- | 459 | 0208- | 396 | 0252/230V | 055 |
| 0171- | 535 | 0209 | 547 | 0252/400V | 055 |
| 0172/150 | 535 | 0211 | 356 | 0253 | 474 |
| 0173 | 413 | 0212 | 574 | 0254 | 341 |
| 0174- | 342 | 0214 | 464 | 0255 | 066 |
| 0176 | 480 | 0215x | 403 | 0256- | 379 |
| 0177 | 479 | 0216/400 | 459 | 0257 | 478 |
| 0178 | 477 | 0217 | 377 | 0258 | 462 |
| 0179 | 478 | 0218- | 544 | 0259 | 462 |
| 0180 | 478 | 0218/30B | 544 | 0260 | 060 |
| 0181 | 425 | 0218/50T | 545 | 0261 | 479 |

| ART | PAG | ART | PAG | ART | PAG |
|----------------|-----|-----------|-----|-----------|-----|
| 0263 | 478 | 0307/1 | 479 | 0353/110 | 345 |
| 0264 | 341 | 0307/2 | 479 | 0355 | 442 |
| 0265/05 | 345 | 0308 | 413 | 0356 | 540 |
| 0266 | 400 | 0310 | 351 | 0357- | 408 |
| 0267 | 466 | 0310B | 352 | 0358 | 446 |
| 0268A | 410 | 0311 | 548 | 0359- | 407 |
| 0269 | 403 | 0312 | 587 | 035x | 345 |
| 0271 | 368 | 0312/AB | 587 | 0360 | 411 |
| 0272 | 542 | 0313 | 525 | 0362 | 067 |
| 0273 | 065 | 0315 | 499 | 0363- | 332 |
| 0274 | 541 | 0316 | 073 | 0365 | 091 |
| 0277 | 448 | 0317 | 480 | 0366 | 545 |
| 0278- | 203 | 0318 | 480 | 0367 | 471 |
| 0278/002S | 203 | 0320 | 466 | 0368- | 457 |
| 0278/005S | 203 | 0321 | 534 | 0369 | 370 |
| 0278/008S | 203 | 0322 | 475 | 0370- | 457 |
| 0278/009S | 203 | 0323/45 | 337 | 0371 | 141 |
| 0280 | 090 | 0323/55 | 337 | 0373- | 457 |
| 0285/75 | 079 | 0325 | 473 | 0375A | 370 |
| 0286- | 573 | 0327 | 471 | 0376/AC | 476 |
| 0287- | 474 | 0329 | 411 | 0376/AI | 477 |
| 0289 | 541 | 0331 | 305 | 0376/AL | 477 |
| 028x | 483 | 0332 | 221 | 0377 | 071 |
| 0290 | 354 | 0333 | 534 | 0378/1510 | 531 |
| 0291 | 548 | 0333/150 | 534 | 0379 | 456 |
| 0292- | 083 | 0334/0750 | 079 | 0380 | 480 |
| 0293 | 480 | 0334/1000 | 079 | 0381 | 462 |
| 0294 | 477 | 0338 | 548 | 0382- | 332 |
| 0295 | 476 | 0339 | 524 | 0383 | 073 |
| 0296 | 477 | 033x | 459 | 0384 | 470 |
| 0298 | 477 | 0340S | 400 | 0385 | 541 |
| 0299 | 478 | 0341 | 432 | 0386 | 541 |
| 0299/P | 478 | 0341/3LS | 433 | 0387A | 586 |
| 0300 | 463 | 0341/5S | 433 | 0390 | 341 |
| 0301- | 463 | 0341-Sx | 433 | 0391 | 462 |
| 0302/200 | 097 | 0341-x | 432 | 0392 | 356 |
| 0302/245 | 097 | 0341-xL | 433 | 0393 | 401 |
| 0302/305 | 097 | 0342 | 550 | 0393- | 401 |
| 0303 | 540 | 0343 | 545 | 0393/A | 401 |
| 0304 | 445 | 0344 | 546 | 0394- | 345 |
| 0305 | 355 | 0350 | 315 | 0396 | 461 |
| 0305/0203/1118 | 356 | 0352- | 408 | 0398 | 479 |
| 0306 | 463 | 0353/085 | 345 | 0399 | 502 |

| ART | PAG | ART | PAG | ART | PAG |
|--------|-----|---------|-----|----------|-----|
| 0400 | 405 | 0444 | 533 | 0490/03 | 353 |
| 0400- | 404 | 0445/20 | 550 | 0490/11 | 353 |
| 0401 | 549 | 0449 | 578 | 0490/20 | 354 |
| 0402 | 447 | 0452 | 377 | 0492 | 548 |
| 0403 | 447 | 0453 | 451 | 0493/1 | 547 |
| 0404 | 447 | 0454 | 451 | 0493/2 | 547 |
| 0405 | 406 | 0455 | 451 | 0494- | 412 |
| 0405- | 406 | 0456 | 435 | 0495 | 101 |
| 0406 | 445 | 0457 | 370 | 0495/24 | 102 |
| 0407 | 445 | 0458 | 524 | 0496 | 101 |
| 0409 | 341 | 0459 | 285 | 0497- | 085 |
| 0411 | 469 | 0460 | 524 | 0498 | 086 |
| 0412 | 527 | 0461 | 383 | 0499 | 087 |
| 0413 | 523 | 0462 | 351 | 0499/C | 088 |
| 0414 | 523 | 0462/55 | 354 | 0502 | 073 |
| 0415 | 469 | 0463 | 226 | 0503 | 073 |
| 0416 | 523 | 0465 | 479 | 0504 | 089 |
| 0417 | 523 | 0466/4V | 336 | 0505 | 098 |
| 0418 | 523 | 0466/CV | 336 | 0506 | 028 |
| 0419 | 523 | 0466/DM | 444 | 0507 | 101 |
| 0420 | 469 | 0466/PB | 336 | 0507/07 | 102 |
| 0420/S | 469 | 0466/SC | 336 | 0507/14 | 102 |
| 0421 | 524 | 0467 | 380 | 0507/15 | 102 |
| 0422- | 337 | 0468 | 479 | 0507/4R | 102 |
| 0423/1 | 337 | 0469 | 451 | 0507/Y | 102 |
| 0423/2 | 337 | 0470 | 451 | 0509/245 | 095 |
| 0424 | 473 | 0471 | 435 | 0509/305 | 095 |
| 0425- | 122 | 0472 | 474 | 0509/340 | 095 |
| 0426- | 409 | 0473- | 535 | 0510 | 072 |
| 0427- | 342 | 0474/PA | 542 | 0511 | 458 |
| 0428 | 551 | 0474/PE | 542 | 0513 | 475 |
| 0429 | 550 | 0474/PP | 542 | 0514- | 458 |
| 0430 | 377 | 0476 | 398 | 0515 | 475 |
| 0431 | 534 | 0476- | 398 | 0516 | 546 |
| 0433 | 587 | 0477 | 398 | 0517/59 | 088 |
| 0434 | 502 | 0481/15 | 531 | 0517A | 087 |
| 0437 | 547 | 0482/3 | 547 | 0518/20 | 062 |
| 0439- | 412 | 0483 | 081 | 0518/30 | 062 |
| 0441 | 533 | 0485 | 367 | 0518/38M | 063 |
| 0442 | 401 | 0486 | 355 | 0518/50 | 062 |
| 0442- | 401 | 0487 | 350 | 0518/55H | 063 |
| 0443 | 533 | 0490 | 350 | 0518/80 | 063 |

| ART | PAG | ART | PAG | ART | PAG |
|------------|-----|--------------|-----|-----------|-----|
| 0519 | 464 | 0558/TX | 405 | 0595 | 374 |
| 0520-xA | 343 | 0559 | 089 | 0596 | 374 |
| 0520-xF | 343 | 0559/T | 089 | 0597 | 549 |
| 0520-xG | 343 | 0560 | 079 | 0599 | 041 |
| 0520-xP | 343 | 0561/B | 590 | 05x | 353 |
| 0520-xS | 343 | 0562 | 445 | 0600 | 384 |
| 0521 | 481 | 0562N | 445 | 0601 | 348 |
| 0522 | 067 | 0563- | 121 | 0601/24 | 353 |
| 0523 | 098 | 0564 | 098 | 0601/30 | 353 |
| 0524 | 227 | 0565 | 069 | 0602 | 384 |
| 0526 | 227 | 0567 | 370 | 0603 | 455 |
| 0529 | 225 | 0568 | 069 | 0604 | 481 |
| 0530 | 546 | 0569 | 352 | 0605 | 348 |
| 0530A | 546 | 0570 | 525 | 0606 | 482 |
| 0531A | 141 | 0571 | 522 | 0607 | 527 |
| 0532A | 141 | 0574 | 525 | 0608 | 527 |
| 0532A/230V | 141 | 0575 | 349 | 0609 | 527 |
| 0536 | 141 | 0575/04 | 353 | 0610 | 527 |
| 0536A | 141 | 0575/0580/12 | 354 | 0611 | 468 |
| 0537A | 141 | 0575S | 349 | 0612 | 467 |
| 0538A | 141 | 0576 | 522 | 0613 | 467 |
| 0540- | 402 | 0577/17 | 354 | 0614 | 400 |
| 0540/3 | 402 | 0578- | 352 | 0614- | 400 |
| 0540S | 402 | 0579- | 352 | 0615 | 348 |
| 0541S | 399 | 0580 | 350 | 0617 | 467 |
| 0543 | 587 | 0580/01-6 | 353 | 0618 | 427 |
| 0544 | 395 | 0580S | 350 | 0620 | 425 |
| 0545/EF | 403 | 0581 | 352 | 0621/A3 | 551 |
| 0545/TF | 405 | 0582- | 352 | 0622 | 426 |
| 0546 | 395 | 0583 | 587 | 0623 | 467 |
| 0548 | 445 | 0584- | 476 | 0624 | 424 |
| 0551 | 071 | 0585 | 518 | 0625 | 547 |
| 0552 | 071 | 0585- | 476 | 0626 | 446 |
| 0552/400V | 071 | 0586 | 519 | 0626L | 446 |
| 0553 | 071 | 0587 | 518 | 0627 | 467 |
| 0554 | 071 | 0587- | 476 | 0627/L | 468 |
| 0554/400V | 071 | 0588- | 476 | 0628 | 454 |
| 0555 | 073 | 0588/6 | 519 | 0629 | 471 |
| 0556 | 071 | 0589 | 424 | 0630/0900 | 375 |
| 0558/EM | 404 | 0590 | 387 | 0630/2200 | 375 |
| 0558/EP | 404 | 0591- | 342 | 0630/2720 | 375 |
| 0558/GE | 403 | 0594 | 374 | 0632 | 356 |

| ART | PAG | ART | PAG | ART | PAG |
|----------|-----|------------|-----|----------|-----|
| 0632- | 357 | 0666 | 578 | 06x | 385 |
| 0632/01 | 356 | 0667/100 | 077 | 0700- | 394 |
| 0633 | 441 | 0667/150 | 078 | 0700/07P | 394 |
| 0634 | 441 | 0668 | 082 | 0700/12P | 394 |
| 0635/25 | 385 | 0670 | 472 | 0701 | 077 |
| 063xE | 455 | 0670/U | 472 | 0706 | 534 |
| 063xI | 455 | 0671/1P | 548 | 0708 | 028 |
| 0640 | 448 | 0672 | 472 | 0709 | 315 |
| 0641 | 526 | 0672/B | 473 | 0710 | 029 |
| 0642 | 068 | 0673 | 473 | 0711- | 124 |
| 0644 | 526 | 0677 | 536 | 0712- | 204 |
| 0645/C | 378 | 0677/500 | 536 | 0712/002 | 204 |
| 0645/CC | 378 | 0677/500CG | 536 | 0712/005 | 204 |
| 0645/CP | 378 | 0677/CG | 536 | 0712/008 | 204 |
| 0645/S | 378 | 0677/IA | 536 | 0712/009 | 204 |
| 0645/SS | 378 | 0677/SO | 536 | 0712/010 | 205 |
| 0646/A | 578 | 0678 | 481 | 0712/900 | 205 |
| 0647/25 | 470 | 0679 | 424 | 0712-x0 | 205 |
| 0647/25L | 470 | 0682 | 339 | 0712-x00 | 205 |
| 0647/50 | 470 | 0683 | 339 | 0713/15 | 545 |
| 0647/50L | 470 | 0686/200 | 088 | 0713/18 | 545 |
| 0647/65 | 470 | 0686/200C | 088 | 0713/27 | 545 |
| 0647/65L | 470 | 0687 | 349 | 0714 | 400 |
| 0648 | 085 | 0687/005 | 353 | 0715- | 139 |
| 0649- | 374 | 0687/029 | 353 | 0716 | 029 |
| 0654-xF | 391 | 0687/041 | 354 | 0716/B | 029 |
| 0654-xL | 391 | 0687/102 | 354 | 0716S | 029 |
| 0655/L | 472 | 0688 | 136 | 0717A | 097 |
| 0655/R | 472 | 068x | 339 | 0719 | 083 |
| 0655/S | 472 | 0690- | 394 | 0720 | 099 |
| 0656/254 | 090 | 0690/07P | 394 | 0720/L | 099 |
| 0656/310 | 090 | 0690/12P | 394 | 0721 | 082 |
| 0657 | 028 | 0691/400V | 077 | 0722 | 083 |
| 0657/B | 029 | 0692/230V | 066 | 0723 | 083 |
| 0658 | 371 | 0692/400V | 066 | 0724/B | 471 |
| 0659 | 547 | 0693A | 549 | 0725 | 527 |
| 0660- | 540 | 0694 | 533 | 0725L | 527 |
| 0661 | 546 | 0696 | 468 | 072x | 460 |
| 0662 | 078 | 0696/L | 468 | 0732 | 447 |
| 0663 | 368 | 0697 | 088 | 0733 | 462 |
| 0664 | 368 | 0698/100 | 107 | 0734/1 | 462 |
| 0665 | 089 | 0699/240 | 472 | 0734/2 | 462 |

| ART | PAG | ART | PAG | ART | PAG |
|-----------|-----|-----------|-----|----------|-----|
| 0735 | 251 | 0765 | 099 | 0814 | 454 |
| 0736 | 251 | 0766/090 | 108 | 0815- | 410 |
| 0737- | 465 | 0766/125 | 108 | 0816 | 313 |
| 0738- | 465 | 0766/150 | 108 | 0817 | 313 |
| 0739- | 465 | 0773- | 081 | 0818/250 | 472 |
| 073x | 460 | 0773/05L | 081 | 0819- | 482 |
| 0740- | 465 | 0773/10L | 081 | 0820- | 482 |
| 0741- | 465 | 0775 | 081 | 0821/14 | 482 |
| 0742- | 465 | 0776 | 080 | 0822 | 482 |
| 0747 | 483 | 0776/610 | 080 | 0823 | 482 |
| 0748 | 483 | 0777/2 | 530 | 0824- | 579 |
| 0749 | 087 | 0777/3 | 530 | 0826 | 455 |
| 0749/C | 088 | 0780 | 458 | 0829 | 444 |
| 0749/M | 088 | 0781 | 458 | 0830 | 227 |
| 0749/MC | 088 | 0782 | 390 | 0831- | 456 |
| 0750 | 059 | 0783-xF | 530 | 0833 | 315 |
| 0750CM3 | 059 | 0783-xM | 530 | 0834- | 456 |
| 0751 | 084 | 0784 | 526 | 0835/15 | 227 |
| 0751/A4 | 122 | 0785-xF | 530 | 0836 | 587 |
| 0751/P | 122 | 0785-xM | 530 | 0839- | 460 |
| 0752 | 056 | 0786 | 522 | 0839-xT | 460 |
| 0752CM3 | 056 | 0787 | 548 | 0840 | 550 |
| 0753/A | 099 | 0789 | 451 | 0841 | 454 |
| 0753/L | 099 | 0791- | 387 | 0843 | 454 |
| 0754/230V | 055 | 0792 | 468 | 0844 | 474 |
| 0754/400V | 055 | 0792/L | 469 | 0846/150 | 474 |
| 0755 | 542 | 0793 | 532 | 0847 | 454 |
| 0756 | 101 | 0794- | 459 | 0849 | 332 |
| 0756/F | 102 | 0795/1 | 423 | 0855 | 096 |
| 0756/S | 102 | 0795/2 | 423 | 0855- | 406 |
| 0756/T | 102 | 0799- | 226 | 0856- | 404 |
| 0756/Y | 102 | 07x | 251 | 0857 | 046 |
| 0757 | 046 | 0803- | 411 | 0861 | 482 |
| 0758 | 084 | 0803/S080 | 411 | 0862 | 475 |
| 0758/C | 084 | 0803/S210 | 411 | 0864 | 533 |
| 0759 | 101 | 0804 | 075 | 0865 | 533 |
| 0759/F | 102 | 0804/MD | 076 | 0869 | 471 |
| 0759/S | 102 | 0805/400 | 579 | 0870/250 | 091 |
| 0760 | 483 | 0806/020 | 410 | 0871 | 091 |
| 0762- | 251 | 0806/200 | 409 | 0872/OPD | 452 |
| 0762/190 | 251 | 0808- | 459 | 0872/P | 452 |
| 0764 | 094 | 0809- | 409 | 0872/PCD | 452 |
| 0764/455 | 094 | 0813 | 454 | 0872/PDD | 452 |

| ART | PAG | ART | PAG | ART | PAG |
|----------|-----|-------------|-----|------------|-----|
| 0873/TF | 453 | 16-CM | 128 | A007/20 | 325 |
| 0873/TL | 452 | 16-D | 128 | A007/21 | 325 |
| 0873-BC | 452 | 16ERx | 178 | A007/21I | 325 |
| 0873-BD | 452 | 16IRx | 178 | A007/22 | 325 |
| 0873-U | 452 | 1-xA | 124 | A007/23 | 324 |
| 0876 | 479 | 1-xD | 124 | A007/LED | 326 |
| 0877 | 480 | 2622x | 121 | A007/LED/C | 326 |
| 0878 | 349 | 2-xA | 130 | A007A | 319 |
| 0880/307 | 442 | 2-xB | 130 | A007B | 319 |
| 0881/008 | 442 | 2-xD | 131 | A007C | 319 |
| 0888 | 444 | 3/B/40 | 126 | A007D | 319 |
| 0889 | 549 | 3A40- | 126 | A007E | 320 |
| 0890 | 233 | 3-CM | 126 | A007F | 320 |
| 0890- | 233 | 3D40- | 126 | A007G | 320 |
| 0891A | 546 | 4- | 129 | A007H | 320 |
| 0892 | 082 | 4-xB | 129 | A007I | 321 |
| 0893 | 083 | 4-xD | 130 | A007L | 321 |
| 0895- | 398 | A001- | 125 | A007M | 321 |
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1. GENERAL REGULATIONS

Fervi SpA is a company that markets its own products such as machine tools, accessories, measurement instruments and products generically called hardware items. The general conditions of sale, reported below, are undertaken by Fervi SpA and are considered valid for any order received and to be applied to all sales of products by the same. Fervi reserves the right to modify these general conditions of sale at any time and without prior notice. Any amendments, exemptions and/or particular conditions in regards to these clauses deriving from the Client shall not be in any way binding for Fervi unless expressly agreed in writing and duly signed by both parties.

2. DEFINITIONS

For the purposes of these general conditions of the contract of sale (hereinafter referred to as "Conditions of Sale"), the following terms are understood as follows:

- "Fervi/The Vendor": Fervi SpA;
- "Client(s)/Purchaser(s)": any company, body or registered entity that purchases Fervi products;
- "Product(s)": the goods produced, assembled, sold and/or distributed by Fervi;
- "Order(s)": each and any written request and/or offer of purchase of the products forwarded from the Client to Fervi by fax, email, sales representative or by any other means recognised by Fervi;
- "Sale(s)": each contract of sale concluded by Fervi and the Client, also through a sales representative;
- "Goods": quantity and type of product contained in the Client order;
- "Catalogue": illustrative volume of the Fervi products;
- "Returns": all products and goods returned by means of the procedure provided by Fervi
- "Trademark(s)": all of the trademarks of which Fervi is owner, title holder and/or licensee;
- "Intellectual Property Rights": all intellectual and industrial property right of Fervi including, without any limitation, the rights pertaining to licences for inventions, drawings or models, utility models, trademarks, logos, knowhow, technical specifications, data, whether registered rights or not, in addition to any application or registration relative to said right and every other right or form of protection of a similar nature or having an equivalent effect.

3. PRODUCTS AND MODIFICATIONS

The weights, dimensions, prices, colours and any other characteristic and date even of a figurative nature inserted in the catalogue, price lists, brochures, illustrations, flyers, offers, advertising material in general and/or other illustrative documents by Fervi, are approximate indications and are not in any case binding for Fervi.

The Vendor reserves the right to vary its products' technical or manufacturing data at any time and without prior notice and to perform any modifications considered necessary.

The Vendor is not required to make modifications that have subsequently been agreed upon to an order should the products have been already produced or be in the process of production.

The type of products and their availability may vary at any time without this incurring any liability for Fervi.

Any modification to the products by Fervi does not give the client grounds to file complaints in any case.

4. PRICES

The price is expressed in Euros and the price for each individual product is indicated in the catalogue and/or on the Fervi website; it is merely indicative and can therefore be subject to change without prior notification to the client.

In the event of promotional offers by Fervi, the price will be that indicated in these offers and may be subject to change for certain products, where specified.

Unless agreed otherwise in writing between the parties, the goods will be invoiced at the prices applicable at the time of the order.

The prices are net of VAT, taxes, tolls, customs and tax charges or any type arising from the contract which are the exclusive responsibility of the Client.

The cost of packaging is included in the price while shipping costs are always excluded.

5. ORDERS

These conditions of sale are read and approved by the Client upon the submission of the order, which is in any case received by Fervi with the clause "Subject to Company Approval."

The order must be defined in all its parts and all of the technical and administrative indications must be completed, including any tax relief. The item code and the relative quantities must be specified.

The minimum order quantities for each item are indicated in the catalogue/website.

Orders that do not correspond to this, or multiples of these amounts, will be automatically adjusted by Fervi without prior client authorisation.

Unless otherwise agreed in writing between the parties, the order is deemed irrevocable pursuant to and in accordance with Article 1331 of the Italian Civil Code.

Fervi reserves the right, at its sole discretion, to refuse or accept, in whole or in part, any variations to the order proposed by the purchaser after the submission of the order.

Fervi confirms that the client is prohibited from unilaterally withdrawing from an order and sale. In the event that the client withdraws from the order confirmed by Fervi, the client is liable in any case for the full amount of the goods.

6. ORDER ACCEPTANCE/CONFIRMATION

Upon submission of the order, the client remains committed to the prices and conditions indicated in the catalogue applicable at the time of the order.

Fervi can accept the order by shipping the goods pursuant to Article 1327 of the Italian Civil Code, without any obligation to notify the client, notwithstanding the provision in the 2nd paragraph of the aforementioned article. Fervi has the right, following the acceptance of the order, if deemed appropriate, to send the client an order confirmation by way of acceptance.

7. PARTIAL PROCESSING OF THE ORDER

Fervi reserves the right to process the order in full or in part or in various batches, taking into account the availability of products, without guaranteeing the final balance.

The remaining products will be sent to the Client, based on Fervi's availability, in accordance with the terms and conditions agreed upon by the parties in writing.

8. RETURNS

The Client is required to inform Fervi (fax: +39 059 763 037; email: assistenza@fervi.com) if the goods are returned within 8 days of receipt.

Fervi shall accept any return of goods only if approved and authorised in advance by the vendor in writing and the relative costs are fully incurred of the client.

In any case the reason for the return, the authorisation number received and the purchase invoice must be specifically indicated in the accompanying document.

The goods must be returned in their original packaging.

Unauthorised returns or returns performed using different methods from those agreed upon will not be accepted by Fervi and will be returned to the clients at their own expense.

Damaged, altered and/or modified products will not be accepted.

The aforementioned returns must be sent to Fervi SpA, Via del Commercio No. 81, 41058 Vignola (MO) Italy.

9. CLAIMS/COMPLAINTS/NON-COMPLIANT PRODUCTS

The client, through the people assigned to receive the goods, is required to check the goods, the state of the packaging or any other faults that are evident at the time of delivery in the presence of the transporter in addition to verifying the integrity of the parcels delivered and their corresponding number.

If the packaging is damaged, goods are missing or other faults are detected, the purchaser is required to file a claim in writing with the transporter immediately upon receipt of the goods at the designated space provided on the transporter slip, specifying the grounds for the claim.

The aforementioned slip, duly signed with a legible signature, must be delivered directly to the transporter.

Upon completion of the aforementioned procedure, the client is required to inform the vendor about problems in writing by fax or email, upon penalty of expiry, within 4 days from the date of receipt of the goods, indicating the order number and the date of receipt of the goods.

Any complaints regarding defects that cannot be identified through a diligent check upon receipt of the goods (visible faults) must be reported in writing to the vendor by fax or email, under penalty of expiry, within 15 days from the date the fault is discovered and, in any case, no later than twelve months from the date of receipt of the goods.

The complaint must, in any case, specify the fault encountered, the products to which it refers and the details of the purchase invoice.

If the products delivered do not comply with the order, the purchaser is required to inform the vendor, in writing, under penalty of expiry, within 8 days from the date of receipt of the goods in order to arrange the replacement.

The goods returned must be accompanied by the corresponding delivery slip with the words "goods non-compliant with order".

The return of the goods to Fervi by the purchaser, regardless of the reason, is in any case subject to written authorisation by the vendor, which will report the return method and schedule.

The goods must be returned in their original packaging, accompanied by the authorisation number received from Fervi.

Any complaints and/or disputes do not give the purchaser the right to suspend or, in any way, delay payment of the products that are the subject of the complaint and/

or dispute or other supplies.

Unauthorised returns and/or returns carried out in a method that differs to those agreed will not be accepted by Fervi and the goods will be returned to the client at the client's expense.

Product returns will not be accepted if products have been tampered with, altered, modified or are old or no longer offered by Fervi.

If the claim is not submitted in accordance with the methods and timeframes specified above, the products shall be considered compliant with those ordered by the client and the client is required to pay for the goods.

10. PAYMENT CONDITIONS/OWNERSHIP OF GOODS

Payments must be made in accordance with the methods and under the terms indicated in the invoice issued by Fervi.

The purchaser is not required to authorise any deduction or modification to the price, unless previously agreed upon in writing with the vendor.

The purchaser shall acquire ownership of the goods only upon full payment of the invoice issued by the vendor. The purchaser will, however, assume all risks pertaining to it at the time of delivery to the courier.

In the case of late payments, the vendor shall unilaterally modify the terms of any other supply and/or suspend execution until obtaining the appropriate guarantee of payment (i.e. surety or bank guarantee).

11. SHIPPING AND TRANSPORT

The client is solely responsible for shipping and transportation costs.

Fervi reserves the right to choose the carrier, to whom Fervi is not required to report the value of the goods. If the client intends to insure the shipment, it is required to expressly request this insurance upon placing the order, assuming payment of all relative charges.

The transfer of risk for the goods takes place upon their delivery to the carrier: consequently the goods always travel at the full risk and peril of the client, even in the event of carriage paid by Fervi.

Shipping of the goods, as well as any order confirmation is subject to a minimum order of €1000. If the client purchases goods directly from the sales desk at the Fervi Distribution Centre, the minimum order amount is reduced to €500. Direct shipping to Client's Customers is excluded.

12. DELIVERY TERMS

Any terms to process the order, where provided, are calculated for business days and are understood in any case as purely indicative, not mandatory or legally binding for Fervi.

Therefore, in consideration of the purely indicative nature of the terms indicated above, Fervi is not liable for damages caused directly or indirectly by the delayed execution or delayed or non-delivery of the goods.

Fervi shall not in any case be held liable for delayed or non-delivery resulting from acts of God or force majeure.

13. PRODUCT GUARANTEE/TECHNICAL COMPLIANCE

All Fervi products are covered by a manufacturer's guarantee and have all the certifications and technical compliance certificates required by law.

This guarantee is time-specific and applies to the specific product sold, excluding any other service such as any indemnity and/or compensation. This guarantee shall be applied to the product that has compliance issues and/or malfunctions not detected at the time of purchase, provided that said product is used correctly, with due diligence and with respect for its uses provided in any technical documentation, with strict compliance with the utility function as described in the manuals.

The aforementioned guarantee shall not, however, be applicable in the case of negligence or negligent product use and maintenance. In all cases, Fervi cannot be held liable for the use, applications and/or operations of the product by the client or assistant in the event of use for purposes other than and not related to those set forth in the catalogue and/or in the instructions for use/technical manual.

14. REPAIRS/TECHNICAL INTERVENTIONS/ASSISTANCE

Fervi also carries out technical assistance and repair centre services for its products.

Clients requiring interventions are required to submit their intervention request to Fervi in writing by fax or email, expressly indicating the reason for the request, the product type, the date of purchase and any other information necessary for the purpose of determining the intervention methods.

Fervi's assistance department, having examined the request, shall inform the client about the intervention to be conducted and the corresponding timeframes.

The intervention costs shall be calculated following receipt of the request and may vary based on whether the product has a valid guarantee or not.

The guarantee is effective on the date indicated on the purchase invoice. The requesting party is required to provide proof of guarantee by submitting the purchase document.

Fervi shall provide an estimate of the repair costs if the guarantee does not apply; if the guarantee is applicable, Fervi is liable for the intervention costs.

In any case, intervention is subjected to authorisation by Fervi: the client, therefore, may not send the material without Fervi's prior acceptance unless accepting the risk of incurring return costs.

The goods shall be returned by the clients at the Fervi warehouse at their own costs.

15. CHANGE TO CLIENT OWNERSHIP CONDITIONS

Fervi shall have the right to withdraw from the contract, in addition to suspending fulfilment of the obligations deriving from the sale of the products, at no charge if it becomes aware of any changes to the ownership conditions that put the products' performance at serious risk unless a suitable guarantee is provided. Fervi has this right if it becomes aware, for example and without this list being exhaustive, of a dishonoured checks or bills, or the initiation of legal, summary, ordinary or insolvency proceedings, including in tort proceedings, filed by the client.

16. INTELLECTUAL PROPERTY RIGHTS

The intellectual property rights are the complete and exclusive property of Fervi and their communication or use in connection with the Conditions of Sale does not result in any right or claim for the client.

The client is required in all cases to refrain from performing any act that is not in line with ownership of the intellectual property rights.

The client hereby declares that: Fervi is the exclusive owner of the intellectual property rights; the client shall refrain from using and registering trademarks that are similar to and/or could be confused with the trademarks that Fervi owns and/or holds the licence for; said client shall use the trademarks exclusively in compliance with Fervi instructions and exclusively for the purposes contained in these Conditions of Sale.

In all cases, the Fervi's products catalogue is, for all intents and purposes, protected by the copyright laws and, therefore, any reproduction and/or use not expressly authorised in writing is prohibited.

17. APPLICABLE LAW AND COMPETENT COURT

This contract is regulated by Italian law and for any dispute regarding its validity, interpretation or execution, the client accepts the jurisdiction of the Italian state and, in any case, the application of the Italian law in effect at the moment the dispute arises, in addition to the applicable norms on sales regulated by articles 1470 and the following of the Italian Civil Code. Any dispute arising involving the interpretation, application, execution, termination of the contract and/or these general conditions of contract, or in any way related thereof, shall be under the exclusive jurisdiction of the Court of Modena.

18. PERSONAL DATA PROCESSING

Fervi guarantees that the data provided on this contract shall be processed with the utmost confidentiality and in full respect for the regulations in effect on the protection of personal data (Legislative Decree of 30 June 2003, No. 196). In any case, processing this data follows the principles of correctness, lawfulness and transparency. All data is processed by Fervi, the data controller, in order to send the catalogue (considered pre-contractual activity), acquire, manage and process orders for the post-contractual activities and comply with the administrative, legal and tax obligations and requirements.

Data processing can be carried out both in hardcopy and through automated methods and instruments, located in and outside Italy and with electronic tools at the data controller's offices. Upon submitting the purchase order, the client is required to provide the data for administrative, legal and tax purposes and requirements.

Any refusal to provide the data will hinder the order processing. The data will not be circulated but may be distributed to Fervi employees, partners and consultants, parties who are legally permitted to accept them based on legal provisions, regulations and EU regulations and, as strictly necessary, share them with subjects that, for the purposes indicated herein, need to supply goods and/or perform services in relation to Fervi services or work. The data may be transferred to European Union countries and third party countries within the scope indicated above.

At any time, the client may exercise the rights pursuant to article 7 of the Legislative Decree No. 196/2003 or access personal data in order to learn about the use of said data, request a cancellation, correction, modification, update or integration or object to the processing by writing by sending notice to the Fervi offices at Via del Commercio No. 81, 41058, Vignola (Mo).

**WARNING - ALWAYS CHECK THE INTEGRITY OF THE PARCELS AT THE TIME OF RECEIPT.
IN THE EVENT OF DAMAGE, INCLUDE AN INTELLIGIBLE CLAIM ON OUR DELIVERY SLIP OR INVOICE.
FERVISpA CANNOT BE HELD LIABLE FOR ANY DAMAGES CAUSED DURING TRANSPORT.**

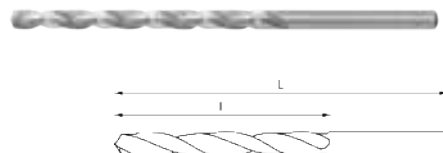
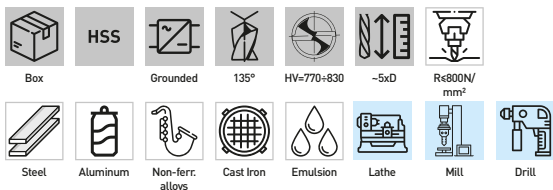
MINIMUM ORDER QUANTITY PER ITEM

All our products can be purchased in quantities of 1 (one) piece, with the exception of items with a specific indication, which can only be purchased in the minimum quantity indicated.

P023-XL

LONG TYPE STRAIGHT SHANK TWIST DRILL

DIN 340, Right hand, rectified



| Art. | ∅ | L | l | Pack |
|-------------|---------|--------|-------|------|
| P023/01.00L | 1,00 mm | 56 mm | 33 mm | 10 |
| P023/01.25L | 1,25 mm | 65 mm | 40 mm | 10 |
| P023/01.50L | 1,50 mm | 70 mm | 45 mm | 10 |
| P023/01.75L | 1,75 mm | 80 mm | 53 mm | 10 |
| P023/02.00L | 2,00 mm | 85 mm | 56 mm | 10 |
| P023/02.25L | 2,25 mm | 90 mm | 59 mm | 10 |
| P023/02.50L | 2,50 mm | 95 mm | 62 mm | 10 |
| P023/02.75L | 2,75 mm | 100 mm | 66 mm | 10 |
| P023/03.00L | 3,00 mm | 100 mm | 66 mm | 10 |
| P023/03.25L | 3,25 mm | 106 mm | 69 mm | 10 |
| P023/03.50L | 3,50 mm | 112 mm | 73 mm | 10 |
| P023/03.75L | 3,75 mm | 112 mm | 73 mm | 10 |
| P023/04.00L | 4,00 mm | 119 mm | 78 mm | 10 |
| P023/04.25L | 4,25 mm | 119 mm | 78 mm | 10 |
| P023/04.50L | 4,50 mm | 126 mm | 82 mm | 10 |
| P023/04.75L | 4,75 mm | 126 mm | 82 mm | 10 |
| P023/05.00L | 5,00 mm | 132 mm | 87 mm | 10 |
| P023/05.25L | 5,25 mm | 132 mm | 87 mm | 10 |
| P023/05.50L | 5,50 mm | 139 mm | 91 mm | 10 |
| P023/05.75L | 5,75 mm | 139 mm | 91 mm | 10 |
| P023/06.00L | 6,00 mm | 139 mm | 91 mm | 10 |
| P023/06.25L | 6,25 mm | 148 mm | 97 mm | 10 |

| Art. | ∅ | L | l | Pack |
|-------------|----------|--------|--------|------|
| P023/06.50L | 6,50 mm | 148 mm | 97 mm | 10 |
| P023/06.75L | 6,75 mm | 148 mm | 97 mm | 10 |
| P023/07.00L | 7,00 mm | 156 mm | 102 mm | 10 |
| P023/07.25L | 7,25 mm | 156 mm | 102 mm | 10 |
| P023/07.50L | 7,25 mm | 156 mm | 102 mm | 10 |
| P023/07.75L | 7,75 mm | 165 mm | 109 mm | 10 |
| P023/08.00L | 8,00 mm | 165 mm | 109 mm | 5 |
| P023/08.25L | 8,25 mm | 165 mm | 109 mm | 5 |
| P023/08.50L | 8,50 mm | 165 mm | 109 mm | 5 |
| P023/08.75L | 8,75 mm | 175 mm | 115 mm | 5 |
| P023/09.00L | 9,00 mm | 175 mm | 115 mm | 5 |
| P023/09.25L | 9,25 mm | 175 mm | 115 mm | 5 |
| P023/09.50L | 9,50 mm | 175 mm | 115 mm | 5 |
| P023/09.75L | 9,75 mm | 184 mm | 121 mm | 5 |
| P023/10.00L | 10,00 mm | 184 mm | 121 mm | 5 |
| P023/10.25L | 10,25 mm | 184 mm | 121 mm | 5 |
| P023/10.50L | 10,50 mm | 184 mm | 121 mm | 5 |
| P023/11.00L | 11,00 mm | 195 mm | 128 mm | 5 |
| P023/11.50L | 11,50 mm | 195 mm | 128 mm | 5 |
| P023/12.00L | 12,00 mm | 205 mm | 134 mm | 5 |
| P023/12.50L | 12,50 mm | 205 mm | 134 mm | 5 |
| P023/13.00L | 13,00 mm | 205 mm | 134 mm | 5 |

MINIMUM ORDER €

The minimum billable is €1.000 (one thousand Euros, excluding VAT – Article 11 of the Fervi SpA General Conditions of Sale).

Printed January 2024

by COPTIP Industrie Grafiche - Via Gran Bretagna 50 Modena MO 41122
Graphic design & Photos: Stefano Mazzali Studio www.stefanomazzali.com



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FERVI SPA

Via del Commercio, 81
41058 - Vignola (MO), Italia

Tel. +39 059 767 172

Fax +39 059 763 037

info@fervi.com

fervi.com



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