



FERVI IS

MACHINERY ACCESSORIES



**NOT JUST DETAILS:
A RANGE THAT'S SO WIDE
IT BECOMES AUTONOMOUS**

**Everything you need to work
more effectively every day**

Explore more than 50 pages of accessories alone: in this new section, Fervi has chosen and assembled for you more than 700 useful and practical items which will make your daily work even easier, because you'll be able to work safely and effortlessly; even simpler, because you'll be able to keep everything neat and tidy; even faster, because you'll be able to organise your tools so everything you need is within reach.

VICES



PAG. 174

WORKING TABLES AND MAGNETIC SEPARATORS



PAG. 180

CHUCKS AND TAILSTOCKS



PAG. 188

TOOL POSTS



PAG. 204

BOARD MACHINERY ACCESSORIES



PAG. 206

TURNING AND MILLING TOOLS



PAG. 210



ANGLE PRECISION VICE

M061

€ 419,00

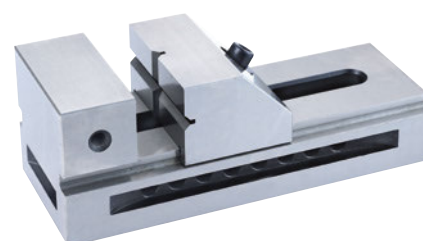
Length	235 mm
Jaw width	88 mm
Pins center distance	100 mm
Jaw height	40 mm
Opening	120 mm
Accuracy	0,005 mm
Tilting	0° ÷ 45°
Weight	12,5 kg



PRECISION MEASURING MILLING VICE

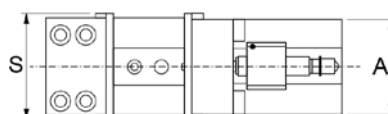
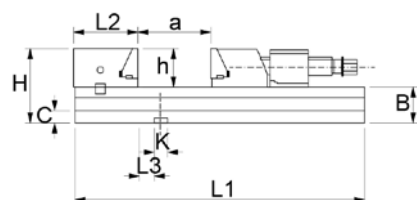
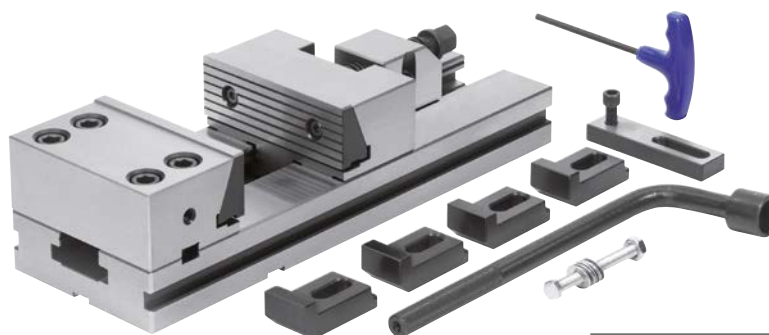
M012-

Dimensions	Opening	Jaw height	Accuracy	Weight	Art.	€
38 x 105 x 45h mm	44 mm	25 mm	0,005 mm	1,3 kg	M012/038	€ 84,20
50 x 140 x 50h mm	65 mm	25 mm	0,005 mm	2 kg	M012/050	€ 88,00
73 x 190 x 67h mm	110 mm	35 mm	0,005 mm	4 kg	M012/080	€ 213,00
100 x 245 x 90h mm	125 mm	45 mm	0,005 mm	9,3 kg	M012/100	€ 297,00



HIGH PRECISION STEEL VICE

M011-



Jaw dimensions	Accuracy	S	A	B	C	H	L1	L2	L3	h	Kh7	a	Hardness	Weight
125x50h mm	0,02 mm	125 mm	125 mm	40 mm	15 mm	90 mm	350 mm	80 mm	25,6 mm	50 mm	16 mm	150 mm	58-63 HRC	20 kg
150x60h mm	0,02 mm	150 mm	150 mm	50 mm	20 mm	110 mm	435 mm	93 mm	25,6 mm	60 mm	16 mm	210 mm	58-63 HRC	36 kg
150x60h mm	0,02 mm	150 mm	150 mm	50 mm	20 mm	110 mm	525 mm	93 mm	25,6 mm	60 mm	16 mm	300 mm	58-63 HRC	40 kg

Art.	€
M011/125/150	€ 1040,00
M011/150/210	€ 1200,00
M011/150/300	€ 1490,00



SPARE PART JAWS

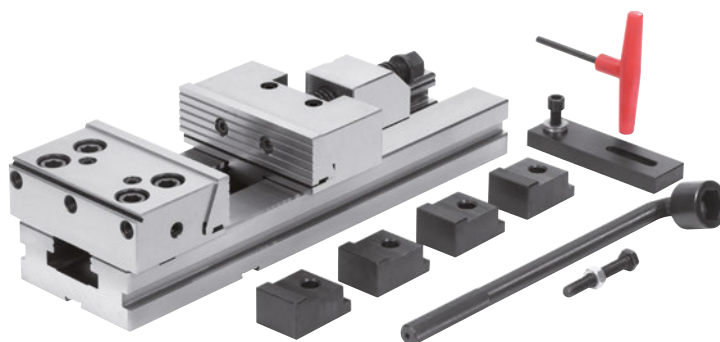
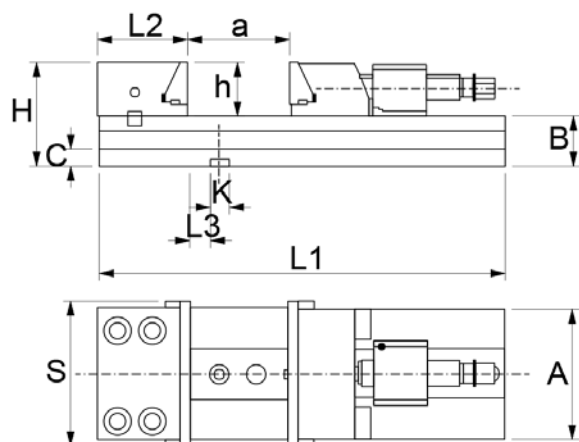
M011-xG

Description	Jaw dimensions	Art.	€
Prismatic jaw	125 x 40h mm	M011/125GP	€ 222,00
Pair of striped jaws	125 x 40h mm	M011/125GR	€ 374,00
Prismatic jaw	150 x 45h mm	M011/150GP	€ 268,00
Pair of striped jaws	150 x 45h mm	M011/150GR	€ 400,00



M028-

HIGH PRECISION STEEL MODULAR VICE



Jaw dimensions	Accuracy	S	A	B	C	H	L1	L2	L3	h	K h7	a	Hardness	Weight	Art.	€
100 x 30h mm	0,02 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	58 - 62 HRC	7 kg	M028/100/100	€ 747,00
125 x 40h mm	0,02 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	58 - 62 HRC	13 kg	M028/125/150	€ 812,00
150 x 50h mm	0,02 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	58 - 62 HRC	26 kg	M028/150/200	€ 968,00
150 x 50h mm	0,02 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	58 - 62 HRC	30 kg	M028/150/300	€ 1040,00
150 x 50h mm	0,02 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	58 - 62 HRC	34 kg	M028/150/400	€ 1200,00
175 x 60h mm	0,02 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	58 - 62 HRC	51 kg	M028/175/200	€ 1200,00
175 x 60h mm	0,02 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	58 - 62 HRC	43 kg	M028/175/300	€ 1230,00
175 x 60h mm	0,02 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	58 - 62 HRC	51 kg	M028/175/400	€ 1250,00
175 x 60h mm	0,02 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	58 - 62 HRC	59 kg	M028/175/500	€ 1550,00
200 x 65h mm	0,02 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	58 - 62 HRC	80 kg	M028/200/300	€ 1864,00
200 x 65h mm	0,02 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	58 - 62 HRC	71 kg	M028/200/400	€ 1916,00
200 x 65h mm	0,02 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	58 - 62 HRC	79 kg	M028/200/500	€ 2240,00
200 x 65h mm	0,02 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	58 - 62 HRC	84 kg	M028/200/600	€ 2540,00

M028-xG

SPARE PART JAWS

Description	Jaw dimensions	Art.	€
Prismatic jaw	100 x 24,5h mm	M028/100GP	€ 232,00
Prismatic jaw	175 x 43h mm	M028/175GP	€ 290,00
Prismatic jaw	200 x 53h mm	M028/200GP	€ 322,00
Prismatic jaw	125 x 32h mm	M028M029/125GP	€ 243,00
Prismatic jaw	150 x 40h mm	M028M029/150GP	€ 261,00





M023-

MILLING MACHINE VICE WITH 360° SWIVEL BASE

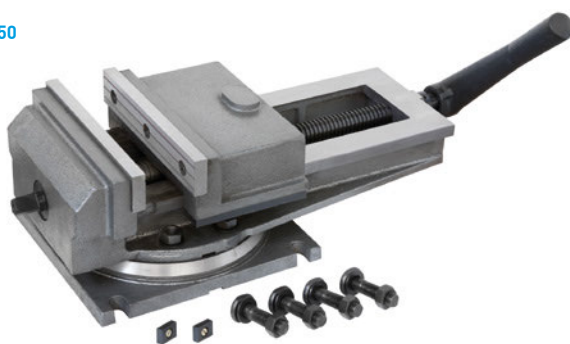
Jaws	Opening	Overall sizes	Base dimensions	Slot distance	Slot	Weight	Art.	€
100 x 35 mm	80 mm	270 x 130 x 105h mm	215 X 165 mm	195 mm	14 mm	11 kg	M023/100	€ 208,00
125 x 40 mm	100 mm	355 x 190 x 127h mm	215 X 165 mm	195 mm	14 mm	17 kg	M023/125	€ 249,00
160 x 50 mm	125 mm	422 x 235 x 162h mm	300 X 235 mm	275 mm	18 mm	32 kg	M023/160	€ 338,00
200 x 61 mm	160 mm	490 x 270 x 175h mm	300 X 235 mm	275 mm	18 mm	50 kg	M023/200	€ 425,00



M024-

MILLING MACHINE VICE WITH 360° SWIVEL BASE

M024/250



Jaws	Opening	Overall sizes	Base dimensions	Slot distance	Slot	Weight	Art.	€
136 x 32 mm	170 mm	375 x 162 x 123h mm	223 x 165 mm	200 mm	14 mm	14 kg	M024/136	€ 180,00
160 x 50 mm	180 mm	402 x 182 x 142h mm	252 x 182 mm	225 mm	14 mm	23 kg	M024/160	€ 260,00
200 x 63 mm	220 mm	470 x 234 x 172h mm	290 x 222 mm	260 mm	18 mm	33 kg	M024/200	€ 343,00
250 x 63 mm	320 mm	612 x 280 x 186h mm	290 x 270 mm	245 mm	18 mm	66 kg	M024/250	€ 498,00



M530-

TILTING MILLING MACHINE VICE WITH 360° SWIVEL BASE

Jaws	Opening	Overall sizes	Base dimensions	Slot distance	Slot	Weight	Art.	€
100 x 32 mm	90 mm	325 x 180 x 150h mm	250 x 180 mm	230 mm	14 mm	19 kg	M530/100	€ 338,00
125 x 40 mm	100 mm	360 x 206 x 165h mm	290 x 226 mm	260 mm	18 mm	26 kg	M530/125	€ 402,00
160 x 50 mm	125 mm	443 x 270 x 194h mm	- mm	- mm	- mm	35 kg	M530/160	€ 493,00





STEEL PARALLEL COUPLE SET

P014

€ 321,00



28 Pcs Wooden box

Overall sizes	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
Pieces	28
Quantity	2



HARDENED AND GROUND PRECISION



STEEL PARALLEL COUPLE SET

P015

€ 175,00



18 Pcs Wooden box

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



HARDENED AND GROUND PRECISION



STEEL PARALLEL COUPLE SET

P017

€ 120,00



18 Pcs Plastic box

Overall sizes	150 x 8 x (14-16-20-24-30-32-36-40-44) mm
Hardness	HRC 45
Pieces	18
Weight	4.9 kg



HARDENED AND GROUND PRECISION



DRILL PRESS VICE

M027/100

€ 155,00

Jaws	100 X 44 mm
Opening	110 mm
Base dimensions	290 x 170 mm
Packing dimensions	400 x 220 x 120 mm
Weight	8,5 kg



EQUIPPED WITH SCRAPED GROOVES



DRILL PRESS VICE

M001-

Jaws	Opening	Weight	Quantity	Art.	€
100 mm	80 mm	4,2 kg	5	M001/100	€ 58,30
120 x 33,5 mm	110 mm	6,2 kg	4	M001/120	€ 71,50
150 mm	135 mm	7,5 kg	5	M001/150	€ 89,70



DRILL PRESS VICE

0142-

Jaws	Slot distance	Vice opening	Slot size	Weight	Quantity	Art.	€
75 X 24 mm	95 mm	55 mm	9 mm	1,8 kg	10	0142/75	€ 20,20
100 x 25,5 mm	125 mm	85 mm	12 mm	2,8 kg	10	0142/100	€ 28,50
125 x 30 mm	140 mm	100 mm	13 mm	4,4 kg	5	0142/125	€ 35,50

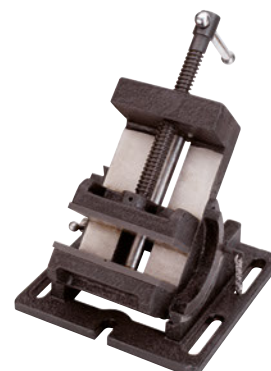


TILTING VICE

0698/100

€ 90,20

Jaws	105 x 47 mm
Opening	105 mm
Holes	0°-15°-30°-45°-60°-75°-90°
Base	192 x 185 mm
Slot distance	160 mm
Overall sizes	192 x 185 x 115h mm
Weight	8,5 kg

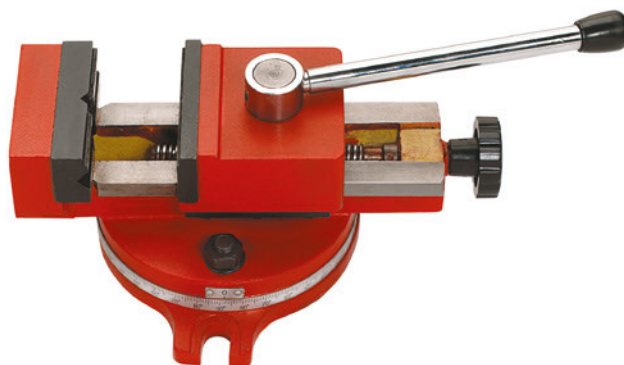




QUICK ACTING DRILL PRESS VICE

M034/120

€ 261,00



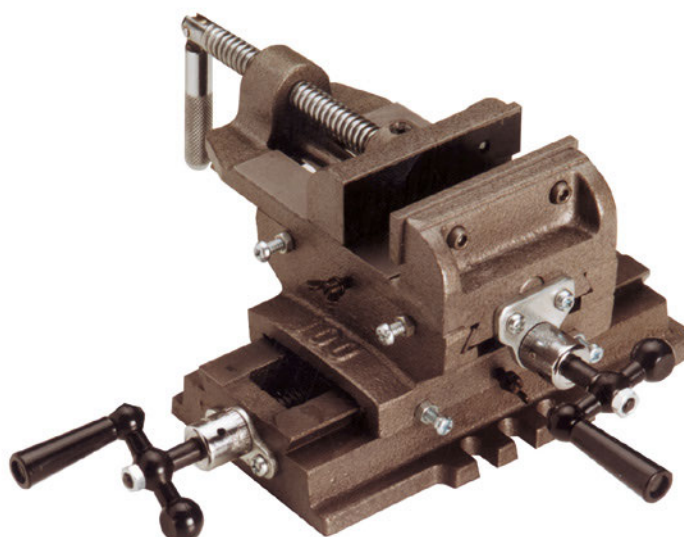
Jaws	120 x 40 mm
Opening	120 mm
Weight	7 kg
Quantity	4

WITH PRISMATIC JAW AND SWIVEL BASE



2 - WAY CROSS VICE

0188-



Jaws	Opening	Base dimensions	Height	Longitudinal travel	Cross travel	Weight	Art.	€
100 x 25 mm	90 mm	240 x 140 mm	140 mm	130 mm	110 mm	7,5 kg	0188/100	€ 84,70
125 x 40 mm	110 mm	255 x 160 mm	150 mm	170 mm	130 mm	13 kg	0188/125	€ 120,00
150 x 40 mm	145 mm	280 x 170 mm	160 mm	160 mm	180 mm	15 kg	0188/150	€ 151,00



2 - WAY CROSS VICE WITH SWIVEL BASE

0188/100G

€ 155,00

Jaws	100 X 25 mm
Opening	90 mm
Base dimensions	210 x 150 mm
Height	175 mm
Longitudinal travel	130 mm
Cross travel	110 mm
Weight	12 kg

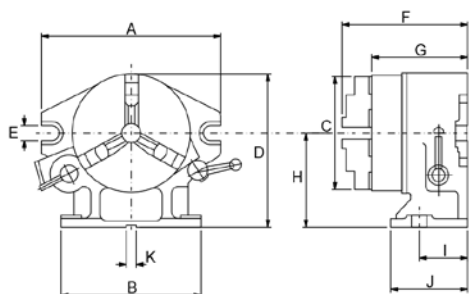




D023

HORIZONTAL AND VERTICAL RATCHET DIVIDING HEAD

€ 1750,00



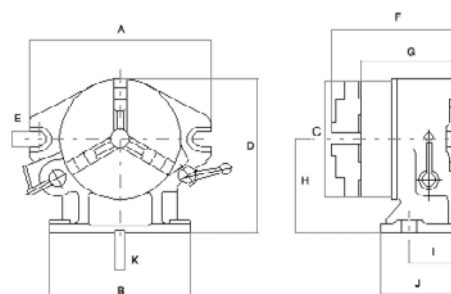
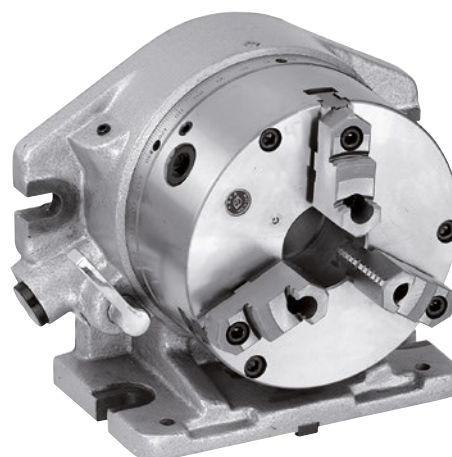
Dividing	2 - 3 - 4 - 6 - 8 - 12 - 24
A	230 mm
B	230 mm
C	160 mm
D	236 mm
E	18 mm
F	320 mm
G	285 mm
H	125 mm
I	- mm
J	210 mm
K	18 mm
Hole	30 mm
Hor. max load	50 kg
Ver. max load	10 kg
Weight	66,5 kg



D003

HORIZONTAL AND VERTICAL DIRECT DIVIDING HEAD

€ 1380,00



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
Dividing	2 - 3 - 4 - 6 - 8 - 12 - 24
Weight	52 kg



0° ÷ 90° TILTING ROTARY TABLE

T017/110

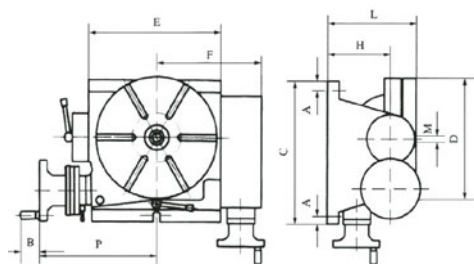
€ 600,00

Chuck sizes	Ø 110 mm
Centers height	70 mm
Reading	1°
Size	190 x 130 x 140h mm
Vertical height	140 mm
Horizontal height	100 mm
Spindle bore	25 mm
Weight	8,5 kg





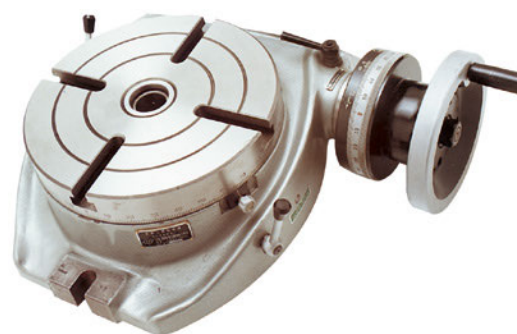
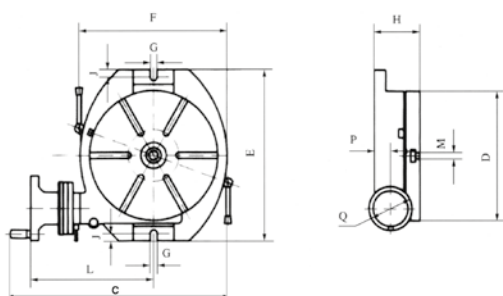
T001-

0° ÷ 90° TILTING ROTARY TABLE

A	B	C	D	E	F	G	H	L	MT	Ratio	Reading	Slots	Hor. max load	Ver. max load	Weight	Art.	€
14 mm	40 mm	310 mm	250 mm	252 mm	199 mm	14 mm	140 mm	205 mm	3	1:90	10"	6/12 N° / mm	200 kg	100 kg	78 kg	T001/250	€ 2340,00
16 mm	40 mm	380 mm	320 mm	322 mm	241 mm	18 mm	185 mm	257 mm	4	1:90	10"	6/14 N° / mm	250 kg	125 kg	133 kg	T001/320	€ 2580,00



T012-

HORIZONTAL ROTARY TABLE

C	D	E	F	G	H	J	L	MT	P	Q	Reading	Ratio	Slots	Capacity	Weight	Art.	€
753 mm	500 mm	640 mm	560 mm	22 mm	158,5 mm	20 mm	393 mm	5	65 mm	180 mm	10"	1:120	8/18 N° / mm	550 kg	238 kg	T012/500	€ 3980,00
898 mm	630 mm	820 mm	700 mm	22 mm	160 mm	20 mm	468 mm	5	68 mm	220 mm	10"	1:120	8/18 N° / mm	700 kg	345 kg	T012/630	€ 8360,00



D005-

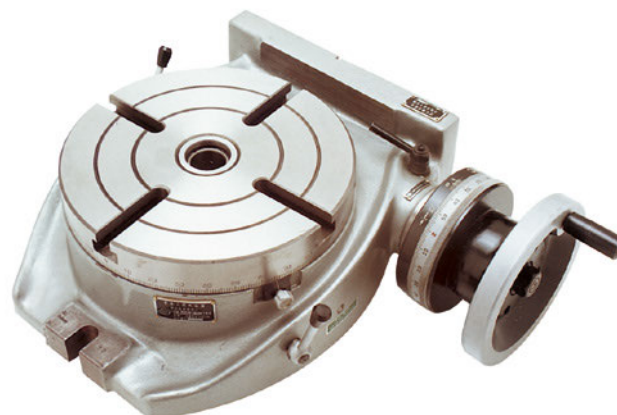
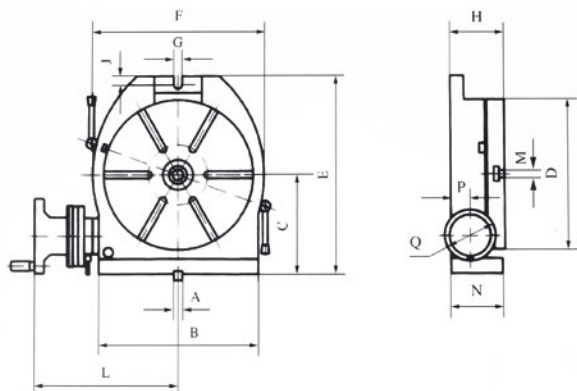
DIVIDING PLATES FOR ROTARY TABLE

For rotary table	Ratio	Plates holes	Hole	External	Art.	€
T001/250 - 320, T002/160 - 320	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	38 mm	130 mm	D005	€ 228,00
T002/100	1:72	A:10	29 mm	90 mm	D005/100	€ 69,90
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	D005/400	€ 256,00
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	D005/500	€ 340,00



T002-

HORIZONTAL AND VERTICAL ROTARY TABLE



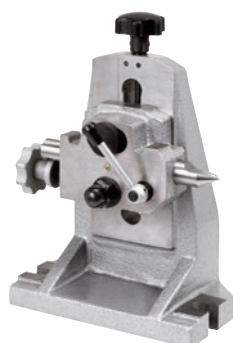
A	B	C	D	E	F	G	H	J	L	MT	N	P	Q	Reading	Ratio	Slots	Hor. max load	Ver. max load	Weight	Art.	€
10	125	70	100	125	125	0	70	0	104	2	48	30	50	10"	1:72	4/6 N° / mm	20 kg	10 kg	7 kg	T002/100	€ 626,00
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm		mm	mm	mm								
12	186	125	160	242	196	12	85	12	194	2	82	37	125	10"	1:90	4/10 N° / mm	100 kg	50 kg	23 kg	T002/160	€ 788,00
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm		mm	mm	mm								
14	208	150	200	285	236	14	100	15	211	3	99	48	125	10"	1:90	4/12 N° / mm	150 kg	75 kg	30,5 kg	T002/200	€ 919,00
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm		mm	mm	mm								
14	253	170	250	328	286	14	110	16	241	4	106	48	125	10"	1:90	6/12 N° / mm	200 kg	100 kg	44 kg	T002/250	€ 972,00
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm		mm	mm	mm								
18	321	210	320	410	360	18	120	16	273	4	118	48	125	10"	1:90	6/14 N° / mm	250 kg	125 kg	75 kg	T002/320	€ 1560,00
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm		mm	mm	mm								
18	400	260	400	525	450	18	150	16	337	4	145	70	160	10"	1:90	6/14 N° / mm	300 kg	150 kg	174 kg	T002/400	€ 2190,00
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm		mm	mm	mm								



C054

ADJUSTABLE
TAILSTOCK

€ 232,00



For rotary table	T002/160
MT	-
Center height	85 - 135 mm
Weight	9 kg



C051

ADJUSTABLE
TAILSTOCK

€ 307,00



For rotary table	T001/250 - T002/200 - T002/250
MT	2
Center height	140 - 180 mm
Weight	18 kg



C052

ADJUSTABLE TAILSTOCK

€ 396,00



For rotary table	T002/320 - T001/320
MT	2
Center height	180 - 224 mm
Weight	21 kg



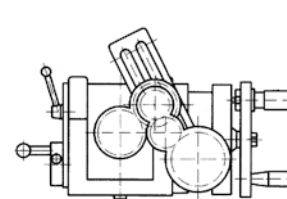
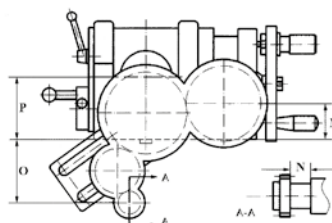
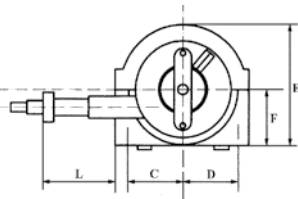
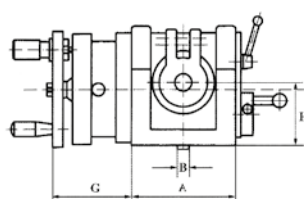
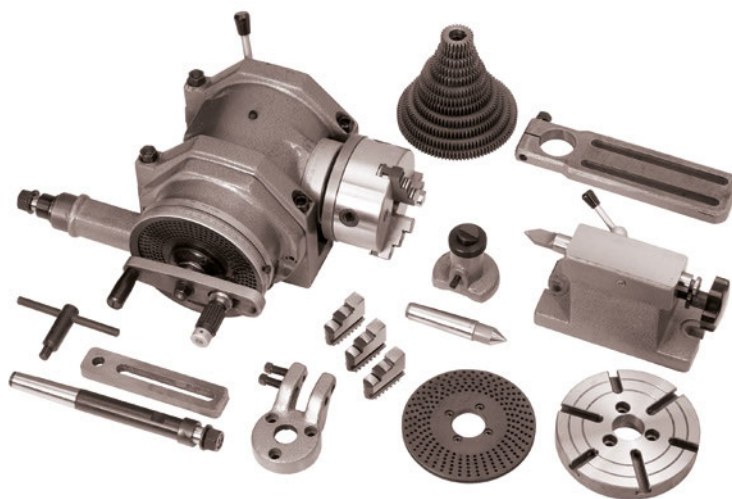
COMPATIBILITY CHART

Art.	€	D003	D023	T001/250	T001/320	T012/500	T012/630	T002/100	T002/160	T002/200	T002/250	T002/320	T002/400	D004/100L	D004/125L	D004/160L	D006/100	D006/128	Pag
D005	228,00			*	*				*	*	*	*							181
D005/100	69,90							*											181
D005/400	256,00												*						181
D005/500	340,00					*	*												181
C054	232,00		*						*										182
C051	307,00	*		*						*	*								182
C052	396,00				*						*	*							182
M049/125	197,00													*			*		188
M049/160	260,00		*												*			*	188
M449/125	227,00													*			*		191
M449/160	287,00		*												*			*	191
M750/160	458,00		*												*			*	191
M760/160	524,00		*												*			*	192
M770/160	650,00		*												*			*	193
M049/200	359,00															*			188
M449/200	405,00															*			191
M750/200	585,00															*			191
M760/200	683,00															*			192
M770/200	720,00															*			193
C053/2	20,20																*		193
C053/3	22,40			*										*				*	188
C053/4	33,00				*										*	*			188



D004-

UNIVERSAL DIVIDING HEAD WITH TAILSTOCK, CHUCK AND DIVIDING PLATES



Chuck sizes	Ratio	Capacity	Weight	Plates holes
Ø 125 mm	1:40	100 kg	67 / 79 kg	24-25-28-30-34-37-38-39-41-42-43-46-47-49-51-53-54-57-58-59-62-66
Ø 160 mm	1:40	130 kg	119 / 132 kg	24-25-28-30-34-37-38-39-41-42-43-46-47-49-51-53-54-57-58-59-62-66
Ø 200 mm	1:40	130 kg	125 / 140 kg	24-25-28-30-34-37-38-39-41-42-43-46-47-49-51-53-54-57-58-59-62-66

Art.	€
D004/100L	€ 2280,00
D004/125L	€ 2550,00
D004/160L	€ 2860,00

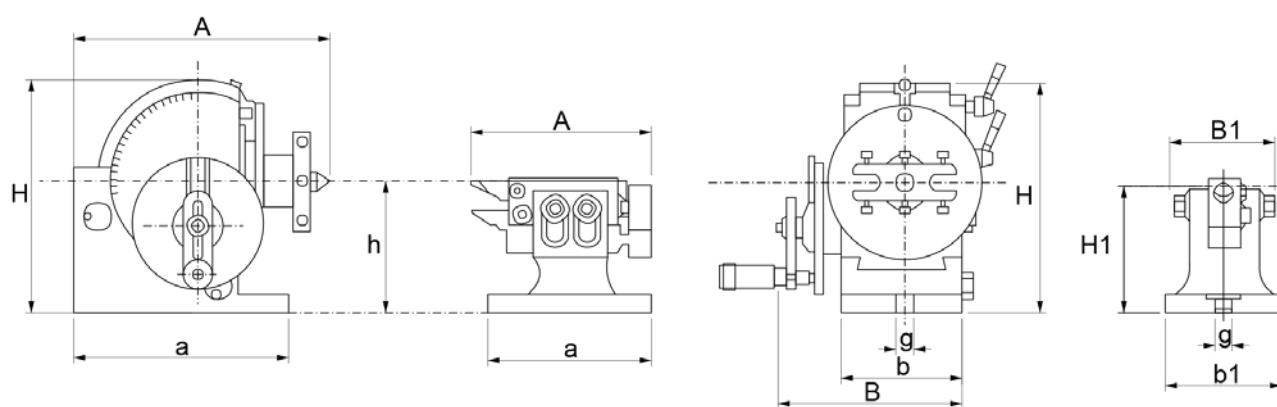
A	B	C	D	E	F	G	H	L	MT	N	P	Q
162 mm	14 mm	102 mm	87 mm	186 mm	95 mm	116 mm	100 mm	93 mm	3	30 mm	100 mm	100 mm
209 mm	18 mm	116 mm	98 mm	224 mm	117 mm	120 mm	125 mm	103 mm	4	34,5 mm	100 mm	125 mm
209 mm	18 mm	116 mm	98 mm	259 mm	152 mm	120 mm	160 mm	103 mm	4	34,5 mm	100 mm	160 mm

Art.
D004/100L
D004/125L
D004/160L



D006-

SEMI UNIVERSAL DIVIDING HEAD WITH TAILSTOCK AND DIVIDING PLATES



Suitable chuck	Hole	MT	Ratio	Plates holes	Weight	Art.	€
Ø 125 mm	Ø 18 mm	2	1:40	15-16-17-18-19-20-21-23-27-29-31-33-37-39-41-43-47-49	21 kg	D006/100	€ 788,00
Ø 160 mm	Ø 20 mm	3	1:40	15-16-17-18-19-20-21-23-27-29-31-33-37-39-41-43-47-49	30 kg	D006/128	€ 1280,00

A	B	H	h	a	b	G	A ₁	B ₁	H ₁	h ₁	a ₁	b ₁	g ₁	Art.
193mm	131mm	173mm	100mm	166mm	90mm	16mm	175mm	87mm	102mm	100mm	130mm	82mm	16mm	D006/100
242mm	168mm	220mm	128mm	206mm	113mm	16mm	183mm	87mm	137mm	128mm	158mm	110mm	16mm	D006/128

CHUCK NOT INCLUDED

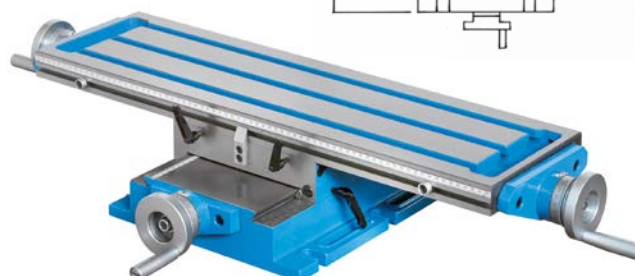
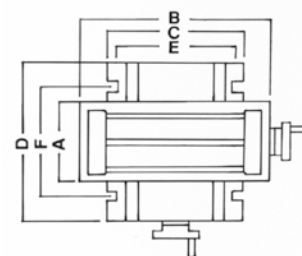


CROSS WORKING TABLE

T013

€ 1130,00

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
Signs	0,05 mm
Packing dimensions	960 x 510 x 280 mm
Weight	75 kg





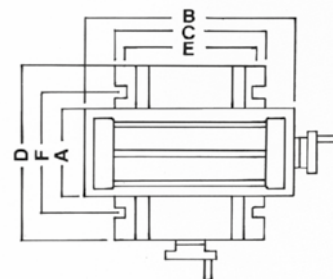
CROSS WORKING TABLE

T014G

€ 961,00

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
Signs	0,02 mm
Packing dimensions	770 x 440 x 230 mm
Weight	60 kg

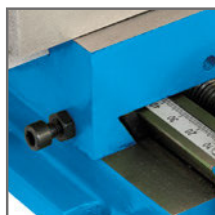
SWIVEL



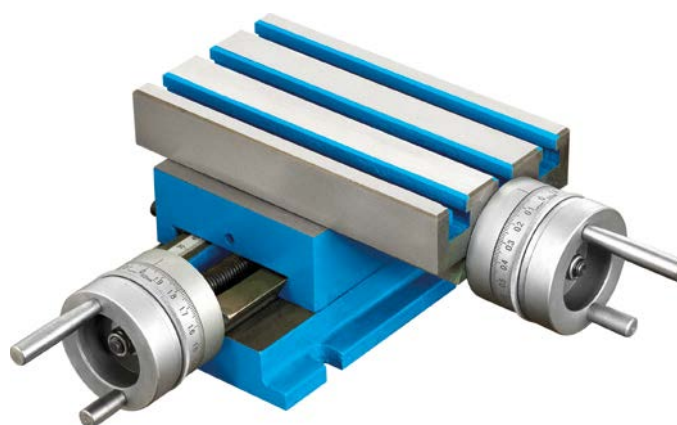
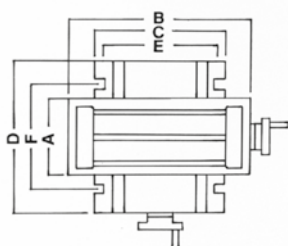
CROSS WORKING TABLE

T015-

T015/E



T015



A	B	C	D	E	F	Slot	Height	Travels	Signs	Packing dimensions	Weight
100 mm	185 mm	130 mm	170 mm	104 mm	103 mm	10 mm	100 mm	50 x 80 mm	0,01 mm	290 x 240 x 140 mm	10 kg
100 mm	185 mm	130 mm	173 mm	102 mm	100 mm	10 mm	104 mm	50 x 80 mm	0,01 mm	290 x 280 x 180 mm	10 kg

Art.	€
T015	€ 509,00
T015/E	€ 270,00



CROSS WORKING TABLE

T008

€ 314,00

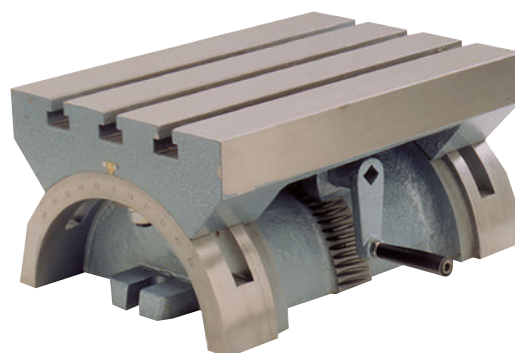
Table dimensions	475 x 153 x 130h mm
Travels	120 x 325 mm
Base dimensions	200 x 270 mm
Base locating slot	162 mm
Slot distance	75 mm
Slot	16 mm
Weight	23 kg





T004-

ADJUSTABLE ANGLE PLATE



Dimensions	Slot	Tilting	Weight	Art.	€
255 x 180 x 135h mm	12 mm	± 40°	20 kg	T004/250	€ 402,00
380 x 250 x 180h mm	16 mm	± 45°	51 kg	T004/380	€ 610,00
610 x 305 x 253h mm	18 mm	± 40°	122 kg	T004/600	€ 1040,00



P770-

MAGNETIC CHUCK



Dimensions	Magnetic force	Pole pitch	Weight	Art.	€
150 x 300 x 48h mm	120 N/cm ²	0,5 + 1,5 mm	18 kg	P770/1	€ 665,00
150 x 350 x 48h mm	120 N/cm ²	0,5 + 1,5 mm	21 kg	P770/2	€ 766,00
200 x 500 x 53h mm	120 N/cm ²	0,5 + 1,5 mm	44 kg	P770/3	€ 1530,00

WITH FIXED POLARITY. IT ALLOWS THE MACHINING OF SMALL AND LOW THICKNESS PIECES DUE TO FINE PITCH



P07x

PERMANENT MAGNETIC CHUCKS

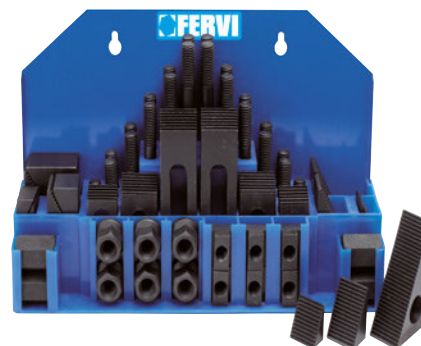


Dimensions	Magnetic force	Pole pitch	Weight	Art.	€
260 x 125 x 75h mm	120 N/cm ²	16 / 12+4 mm	16 kg	P070	€ 582,00
300 x 150 x 75h mm	120 N/cm ²	16 / 12+4 mm	21 kg	P071	€ 788,00
350 x 150 x 75h mm	120 N/cm ²	16 / 12+4 mm	26 kg	P072	€ 935,00
500 x 200 x 80h mm	120 N/cm ²	16 / 12+4 mm	48 kg	P073	€ 1450,00



CLAMPING KIT

K001-



58 Pcs

Slot	MA	Set pc	Art.	€
12 mm	10	58	K001/12	€ 108,00
14 mm	12	58	K001/14	€ 120,00
16 mm	14	58	K001/16	€ 140,00
18 mm	16	58	K001/18	€ 175,00



CLAMPING SET

K002-

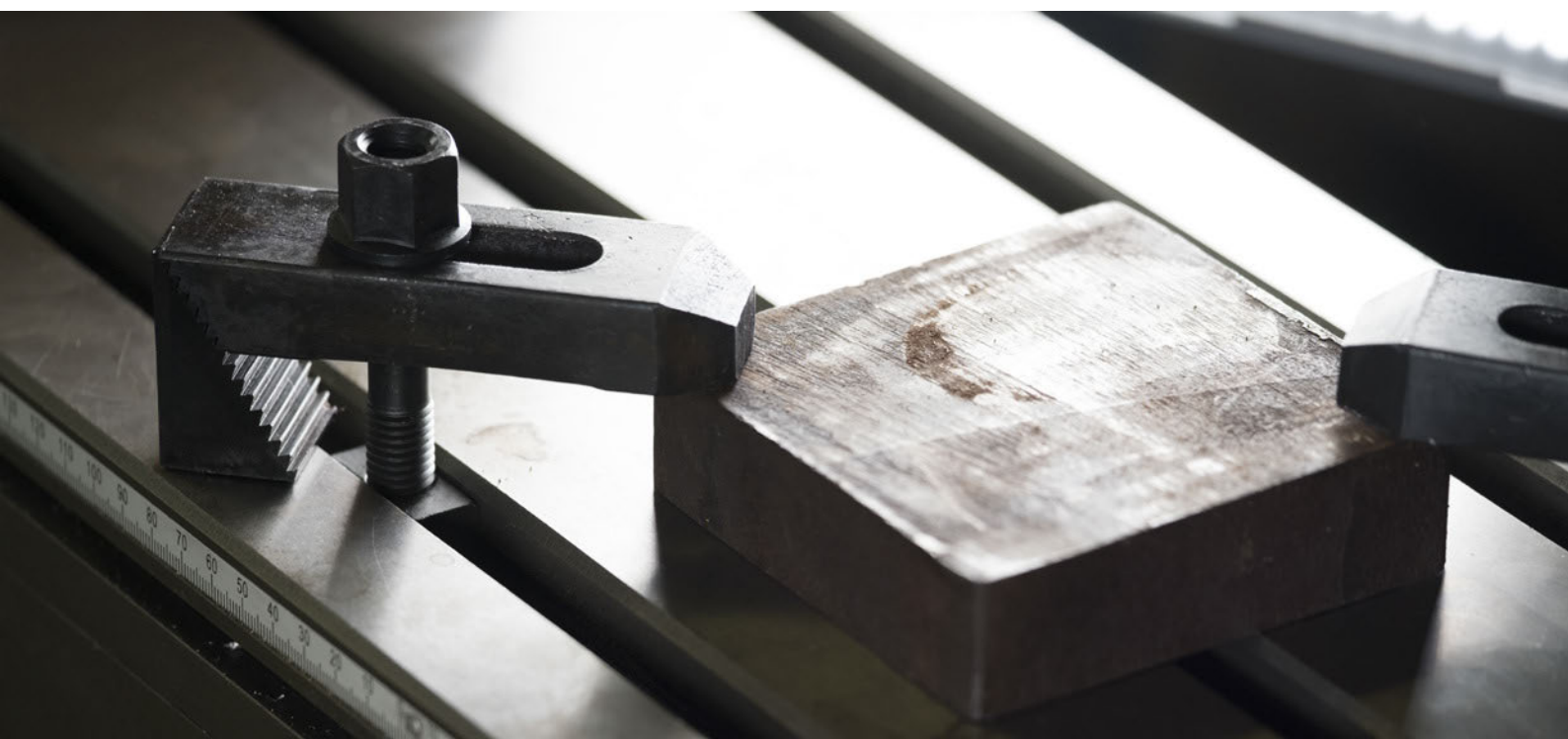


6 Pcs

Metal box

2 Step blocks	2 Clamp straps	2 Studs	Slot	Weight	Art.	€
25 x 25 x 42 mm	100 x 25 x 15 mm	M6 x 100 mm	8 mm	1 kg	K002/08	€ 29,00
25 x 25 x 42 mm	100 x 25 x 15 mm	M8 x 100 mm	10 mm	1 kg	K002/10	€ 31,00
25 x 25 x 42 mm	100 x 25 x 15 mm	M10 x 100 mm	12 mm	1 kg	K002/12	€ 34,00
25 x 25 x 42 mm	100 x 31 x 19 mm	M12 x 100 mm	14 mm	1.15 kg	K002/14	€ 40,00

STEP BLOCK IN POWDER METALLURGY WITH Zn COATING AND CLAMPS STRAPS IN #45 STEEL WITH Zn COATING





C046-

ROTARY LIVE CENTER

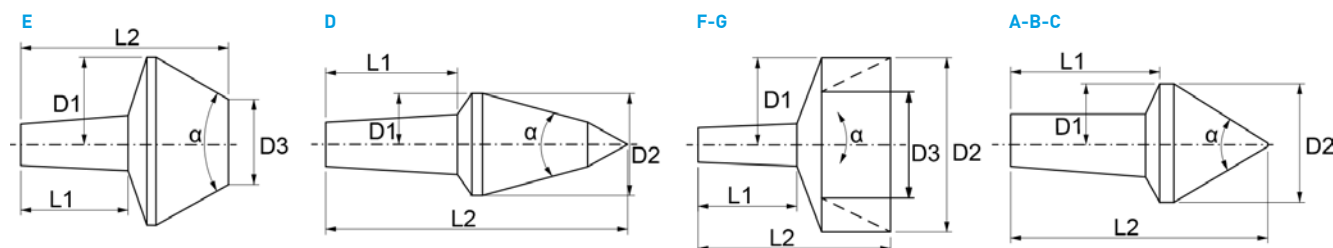
MT	Center	Body	Length
2	60°	Ø 45 mm	155 mm
3	60°	Ø 53 mm	175 mm
4	60°	Ø 63 mm	208 mm
5	60°	Ø 87 mm	256 mm

Art.	€
C046/2	€ 77,00
C046/3	€ 93,50
C046/4	€ 99,00
C046/5	€ 137,00



C050-

PRECISION LIVE CENTER SET



A	B	C	D	E	F	G	CM	Art.	€
L2 39 mm D2-D3 16 mm α 60°	L2 35,5 mm D2-D3 16 mm α 75°	L2 33 mm D2-D3 16 mm α 90°	L2 46 mm D2-D3 16 mm α 60°	L2 40 mm D2-D3 25 mm / 10 mm α 60°	L2 36 mm D2-D3 16 mm / 10 mm α 60°	L2 39 mm D2-D3 20 mm / 16 mm α 60°	2	C050/2	€ 186,00
L2 48 mm D2-D3 20 mm α 60°	L2 43,5 mm D2-D3 20 mm α 75°	L2 40,5 mm D2-D3 20 mm α 90°	L2 56 mm D2-D3 18 mm α 60°	L2 50 mm D2-D3 35 mm / 15 mm α 60°	L2 42 mm D2-D3 22 mm / 18 mm α 60°	L2 48 mm D2-D3 35 mm / 30 mm α 60°	3	C050/3	€ 208,00
L2 61,5 mm D2-D3 28 mm α 60°	L2 55,5 mm D2-D3 28 mm α 75°	L2 51,5 mm D2-D3 28 mm α 90°	L2 73 mm D2-D3 26 mm α 60°	L2 61,5 mm D2-D3 55 mm / 30 mm α 60°	L2 55 mm D2-D3 40 mm / 35 mm α 60°	L2 60 mm D2-D3 55 mm / 48 mm α 60°	4	C050/4	€ 303,00

C055-

TUBE ROTARY LIVE CENTER

MT	Ø	Length	Speeds
3	30 ÷ 100 mm	170 mm	max 2500 rpm
4	40 ÷ 160 mm	230 mm	max 1600 rpm
5	66 ÷ 200 mm	260 mm	max 1500 rpm

Art.	€
C055/3	€ 205,00
C055/4	€ 290,00
C055/5	€ 407,00



C053-

CARBIDE TIPPED DEAD CENTER

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

Art.	€
C053/2	€ 20,20
C053/3	€ 22,40
C053/4	€ 33,00
C053/5	€ 51,10





ST45-

PRECISION MORSE TAPER REDUCTION SLEEVE



MT	Art.	€
2 / 1	ST45/2/1	€ 12,00
3 / 1	ST45/3/1	€ 14,60
3 / 2	ST45/3/2	€ 15,70
4 / 1	ST45/4/1	€ 20,20
4 / 2	ST45/4/2	€ 20,20
4 / 3	ST45/4/3	€ 20,20
5 / 3	ST45/5/3	€ 32,20
5 / 4	ST45/5/4	€ 32,20



A001-

PRECISION DRILL CHUCK SHANK



MT	B	Art.	€
2	12 mm	A001/2/12	€ 9,60
2	16 mm	A001/2/16	€ 10,90
2	18 mm	A001/2/18	€ 11,20
3	12 mm	A001/3/12	€ 16,80
3	16 mm	A001/3/16	€ 16,80
3	18 mm	A001/3/18	€ 16,80
3	22 mm	A001/3/22	€ 16,80
4	16 mm	A001/4/16	€ 20,20
4	18 mm	A001/4/18	€ 20,20
4	22 mm	A001/4/22	€ 20,20



E002-

DRIFT SLEEVES

MT	Art.	€
1-2	E002/12	€ 8,30
3	E002/3	€ 8,30
4	E002/4	€ 12,00



KEYLESS CHUCK

Capacity	Shank	Quantity
1 ÷ 10 mm	3/8 24 UNF	10 / 50
2 ÷ 13 mm	1/2 20 UNF	50

Art.	€
M050/10	€ 13,50
M050/13	€ 16,50



KEYLESS CHUCK WITH LOCK

M080/10

€ 17,30

Capacity	0,8 ÷ 10 mm
Shank	3/8 24 UNF
Quantity	100



KEYLESS CHUCK WITH LOCK

M080/13

€ 20,20

Capacity	2 ÷ 13 mm
Shank	1/2 20 UNF
Quantity	50



M051-

HIGH PRECISION 3 JAWS KEYLESS DRILL CHUCK

Capacity	Taper DIN	Dimension	Dimension	Quantity
0,5 ÷ 8 mm	B 12	Ø 39 mm	80h mm	20
1 ÷ 10 mm	B 12	Ø 44,5 mm	82h mm	20
1 ÷ 13 mm	B 16	Ø 49,5 mm	91h mm	10
1 ÷ 16 mm	B 18	Ø 54 mm	102,5h mm	20
1 ÷ 20 mm	B 22	Ø 59 mm	119h mm	10

Art.	€
M051/08	€ 54,40
M051/10	€ 54,40
M051/13	€ 63,80
M051/16	€ 77,00
M051/20	€ 99,00



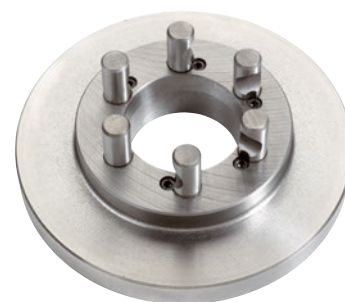


FD0x-



MOUNTING WITH STUD

Cam lock Type	Size	Thickness	Pins	Art.	€
4"	Ø 200 mm	28 mm	Ø 15,9 mm	FD04/200	€ 208,00
5"	Ø 200 mm	30 mm	Ø 19 mm	FD05/200	€ 208,00
5"	Ø 250 mm	30 mm	Ø 19 mm	FD05/250	€ 287,00
6"	Ø 250 mm	30 mm	Ø 22 mm	FD06/250	€ 293,00
6"	Ø 400 mm	30 mm	Ø 22 mm	FD06/380	€ 389,00
8"	Ø 250 mm	30 mm	Ø 25,4 mm	FD08/250	€ 295,00
8"	Ø 320 mm	30 mm	Ø 25,4 mm	FD08/320	€ 340,00
8"	Ø 400 mm	30 mm	Ø 25,4 mm	FD08/380	€ 517,00
8"	Ø 500 mm	36 mm	Ø 25,4 mm	FD08/500	€ 595,00
11"	Ø 320 mm	30 mm	Ø 25,4 mm	FD11/320	€ 360,00
11"	Ø 400 mm	30 mm	Ø 25,4 mm	FD11/400	€ 495,00
11"	Ø 500 mm	36 mm	Ø 30 mm	FD11/500	€ 633,00

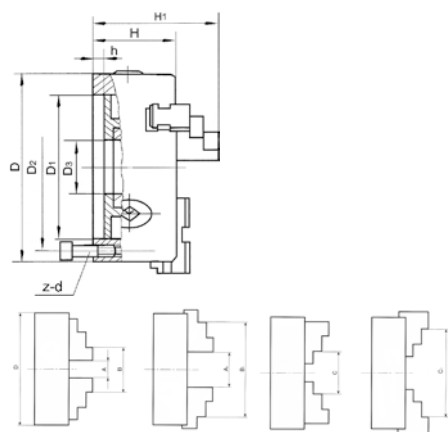


WITH ROUGHLY MACHINE CHUCK SIDE



M049-

PRECISION SELF CENTERING



D	A - A1	B - B1	C - C1	Weight	Art.
80 mm	2 - 22 mm	25 - 70 mm	22 - 63 mm	2 kg	M049/080
100 mm	2 - 30 mm	30 - 90 mm	30 - 80 mm	3,3 kg	M049/100
125 mm	2,5 - 40 mm	38 - 125 mm	38 - 110 mm	4,8 kg	M049/125
160 mm	3 - 55 mm	50 - 160 mm	55 - 145 mm	9,1 kg	M049/160
200 mm	4 - 85 mm	65 - 200 mm	65 - 200 mm	15,7 kg	M049/200
250 mm	6 - 110 mm	80 - 250 mm	90 - 250 mm	30 kg	M049/250
320 mm	10 - 140 mm	95 - 320 mm	100 - 320 mm	47,5 kg	M049/320
400 mm	15 - 210 mm	120 - 400 mm	120 - 400 mm	74 kg	M049/400

D	D1	D2	D3	H1	H	h	z-d	Spanner square	Art.	€
80 mm	55 mm	66 mm	16 mm	66 mm	50 mm	3,5 mm	3-M6 mm	8 mm	M049/080	€ 167,00
100 mm	72 mm	84 mm	22 mm	74,5 mm	55 mm	3,5 mm	3-M8 mm	8 mm	M049/100	€ 186,00
125 mm	95 mm	108 mm	30 mm	78 mm	55 mm	3,5 mm	3-M8 mm	10 mm	M049/125	€ 197,00
160 mm	130 mm	142 mm	40 mm	95 mm	65 mm	5 mm	3-M8 mm	12 mm	M049/160	€ 260,00
200 mm	165 mm	180 mm	60 mm	109 mm	75 mm	5 mm	3-M10 mm	12 mm	M049/200	€ 359,00
250 mm	206 mm	250 mm	80 mm	120 mm	80 mm	5 mm	3-M12 mm	12 mm	M049/250	€ 418,00
320 mm	270 mm	290 mm	100 mm	152,5 mm	95 mm	11 mm	3-M16 mm	13 mm	M049/320	€ 740,00
400 mm	340 mm	368 mm	138 mm	158 mm	100 mm	6 mm	3-M16 mm	17 mm	M049/400	€ 1150,00

3+3 JAWS CHUCK



M049-xST

4 SOFT JAWS SET

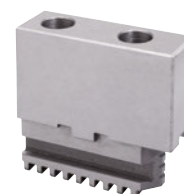


Diameter	Art.	€
Ø 125 mm	M049/125ST	€ 90,00
Ø 160 mm	M049/160ST	€ 100,00

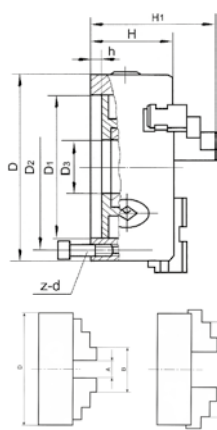


M049-xGBD

3 SOFT JAWS SET



Diameter	Art.	€
Ø 200 mm	M049/200GBD	€ 190,00
Ø 250 mm	M049/250GBD	€ 250,00
Ø 320 mm	M049/320GBD	€ 350,00
Ø 400 mm	M049/400GBD	€ 450,00

**M449-****PRECISION SELF CENTERING**

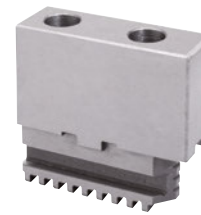
D	A - A1	B - B1	C - C1	Weight	Art.
80 mm	2 - 22 mm	25 - 70 mm	22 - 63 mm	2 kg	M449/080
100 mm	2 - 30 mm	30 - 90 mm	30 - 80 mm	3,3 kg	M449/100
125 mm	2,5 - 40 mm	38 - 125 mm	38 - 110 mm	4,8 kg	M449/125
160 mm	3 - 55 mm	50 - 160 mm	55 - 145 mm	9,1 kg	M449/160
200 mm	4 - 85 mm	65 - 200 mm	65 - 200 mm	15,7 kg	M449/200
250 mm	6 - 110 mm	80 - 250 mm	90 - 250 mm	30 kg	M449/250
320 mm	10 - 140 mm	95 - 320 mm	100 - 320 mm	47,5 kg	M449/320
400 mm	15 - 210 mm	120 - 400 mm	120 - 400 mm	74 kg	M449/400

D	D1	D2	D3	H1	H	h	z-d	Spanner square	Weight	Art.	€
80 mm	55 mm	66 mm	16 mm	66 mm	50 mm	3,5 mm	3 - M6 mm	8 mm	2 kg	M449/080	€ 175,00
100 mm	72 mm	84 mm	22 mm	74,5 mm	55 mm	3,5 mm	3 - M8 mm	8 mm	3,5 kg	M449/100	€ 197,00
125 mm	95 mm	108 mm	30 mm	84 mm	58 mm	4 mm	3 - M8 mm	10 mm	5,5 kg	M449/125	€ 227,00
160 mm	130 mm	142 mm	40 mm	95 mm	65 mm	5 mm	3 - M8 mm	10 mm	9,4 kg	M449/160	€ 287,00
200 mm	165 mm	187 mm	65 mm	109 mm	75 mm	5 mm	3 - M10 mm	12 mm	17,5 kg	M449/200	€ 405,00
250 mm	206 mm	226 mm	80 mm	120 mm	80 mm	5 mm	3 - M12 mm	12 mm	28,9 kg	M449/250	€ 524,00
320 mm	270 mm	290 mm	100 mm	152,5 mm	95 mm	11 mm	3-M16 mm	13 mm	47,5 kg	M449/320	€ 900,00
400 mm	340 mm	368 mm	138 mm	158 mm	100 mm	6 mm	3-M16 mm	17 mm	74 kg	M449/400	€ 1400,00

4+4 JAWS CHUCK

**M449-xST****4 SOFT JAWS SET**

Diameter	Art.	€
Ø 125 mm	M449/125ST	€ 120,00
Ø 160 mm	M449/160ST	€ 140,00

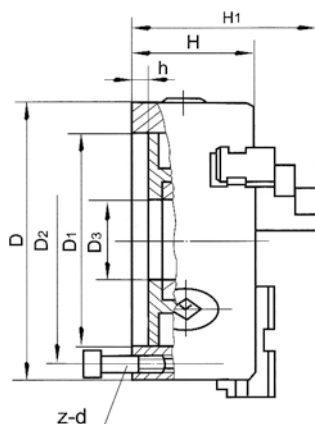
**M449-xGBD****4 SOFT JAWS SET**

Diameter	Art.	€
Ø 200 mm	M449/200GBD	€ 260,00
Ø 250 mm	M449/250GBD	€ 345,00
Ø 320 mm	M449/320GBD	€ 510,00
Ø 400 mm	M449/400GBD	€ 650,00



M750-

PRECISION SELF CENTERING CHUCK

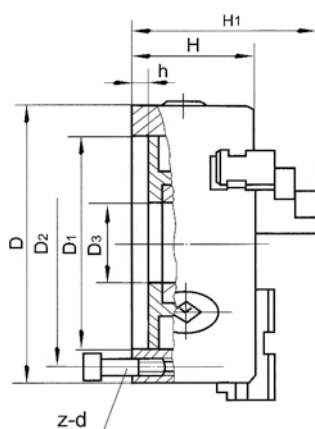


D	D1	D2	D3	H1	H	h	z-d	Spanner square	Weight	Art.	€
125 mm	95 mm	108 mm	32 mm	74 mm	51 mm	4 mm	3-M8 mm	8 mm	6 kg	M750/125	€ 345,00
160 mm	130 mm	142 mm	42 mm	96 mm	66 mm	4 mm	3-M8 mm	10 mm	12 kg	M750/160	€ 370,00
200 mm	165 mm	180 mm	55 mm	103 mm	75 mm	4 mm	3-M10 mm	11 mm	18 kg	M750/200	€ 480,00
250 mm	206 mm	226 mm	76 mm	120 mm	85 mm	5 mm	3-M12 mm	12 mm	32 kg	M750/250	€ 650,00
315 mm	260 mm	285 mm	105 mm	137 mm	95 mm	5 mm	3-M16 mm	14 mm	45 kg	M750/315	€ 940,00
400 mm	340 mm	368 mm	136 mm	162 mm	108 mm	6 mm	3-M16 mm	16 mm	95 kg	M750/400	€ 1400,00

3+3+3 JAWS SIMPLE GUIDE PRECISION SELF CENTERING CHUCK

M760-

PRECISION SELF CENTERING CHUCK



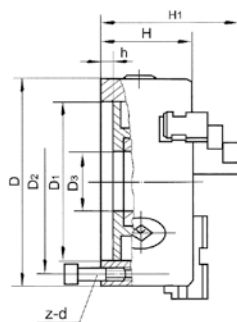
D	D1	D2	D3	H1	H	h	z-d	Spanner square	Weight	Art.	€
125 mm	95 mm	108 mm	32 mm	74 mm	51 mm	4 mm	4-M8 mm	8 mm	7 kg	M760/125	€ 360,00
160 mm	130 mm	142 mm	42 mm	96 mm	66 mm	4 mm	4-M8 mm	10 mm	14 kg	M760/160	€ 440,00
200 mm	165 mm	180 mm	55 mm	103 mm	75 mm	4 mm	4-M10 mm	11 mm	20 kg	M760/200	€ 590,00
250 mm	206 mm	226 mm	76 mm	120 mm	85 mm	5 mm	4-M12 mm	12 mm	35 kg	M760/250	€ 760,00
315 mm	260 mm	285 mm	105 mm	137 mm	95 mm	5 mm	4-M16 mm	14 mm	50 kg	M760/315	€ 995,00
400 mm	340 mm	368 mm	136 mm	162 mm	108 mm	6 mm	4-M16 mm	16 mm	105 kg	M760/400	€ 1450,00

4+4+4 JAWS SIMPLE GUIDE PRECISION SELF CENTERING CHUCK



M770-

PRECISION SELF CENTERING CHUCK



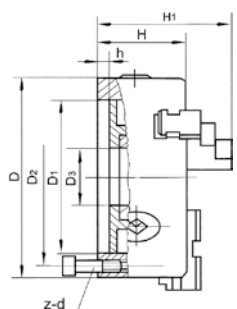
D	D1	D2	D3	H1	H	h	z-d	Spanner square	Weight	Art.	€
125 mm	95 mm	108 mm	32 mm	82 mm	59 mm	4 mm	3-M8 mm	8 mm	7 kg	M770/125	€ 420,00
160 mm	130 mm	142 mm	42 mm	105 mm	75 mm	4 mm	3-M8 mm	10 mm	14 kg	M770/160	€ 470,00
200 mm	165 mm	180 mm	55 mm	110 mm	82 mm	4 mm	3-M10 mm	11 mm	20 kg	M770/200	€ 610,00
250 mm	206 mm	226 mm	76 mm	132 mm	97 mm	5 mm	3-M12 mm	12 mm	35 kg	M770/250	€ 820,00
315 mm	260 mm	285 mm	105 mm	151 mm	109 mm	5 mm	3-M16 mm	14 mm	50 kg	M770/315	€ 1150,00
400 mm	340 mm	368 mm	136 mm	183 mm	129 mm	6 mm	3-M16 mm	16 mm	105 kg	M770/400	€ 1500,00

3+3+3 JAW DOUBLE GUIDE PRECISION SELF CENTERING CHUCK



M005-

PRECISION SELF CENTERING CHUCK



D	D1	D2	D3	H1	H	h	z-d	Spanner square	Art.	€
200 mm	165 mm	180 mm	65 mm	122 mm	75 mm	5 mm	3-M10 mm	12 mm	M005/200	€ 359,00
250 mm	206 mm	226 mm	80 mm	135 mm	80 mm	5 mm	3-M12 mm	12 mm	M005/250	€ 418,00
320 mm	270 mm	290 mm	100 mm	135 mm	90 mm	6 mm	3-M16 mm	14 mm	M005/320	€ 659,00
400 mm	340 mm	368 mm	130 mm	172 mm	100 mm	6 mm	3-M16 mm	17 mm	M005/400	€ 1061,00
500 mm	440 mm	465 mm	200 mm	202 mm	115 mm	6 mm	6-M16 mm	17 mm	M005/500	€ 1803,00
630 mm	560 mm	595 mm	260 mm	218 mm	130 mm	7 mm	6-M16 mm	19 mm	M005/630	€ 5100,00



D	A - A1	B - B1	C - C1	Weight	Art.
200 mm	4 - 85 mm	65 - 200 mm	65 - 200 mm	18 kg	M005/200
250 mm	6 - 110 mm	80 - 250 mm	90 - 250 mm	29 kg	M005/250
320 mm	10 - 140 mm	95 - 315 mm	100 - 315 mm	55 kg	M005/320
400 mm	15 - 210 mm	120 - 400 mm	120 - 400 mm	80 kg	M005/400
500 mm	25 - 280 mm	150 - 500 mm	150 - 500 mm	132 kg	M005/500
630 mm	50 - 350 mm	170 - 630 mm	170 - 630 mm	200 kg	M005/630

3 JAWS WITH REVERSIBLE TOP JAWS



2622x

SOFT TOP JAW FOR CHUCKS



ø	Slot distance	Art.	€
400 mm	76,2 mm	262206R	€ 74,20
500 - 630 mm	76,2 mm	262207R	€ 103,00



M059-



REVERSIBLE TAPPING CHUCK WITH ADJUSTABLE CLUTCH



Tapping range	Dimensions w/o MT	MT	Shank	Weight	Art.	€
M 2 - 7	Ø 55 x 130h mm	2	B16	2 kg	M059/07	€ 472,00
M 5 - 12	Ø 75 x 162h mm	3	B16	2,75 kg	M059/12	€ 541,00
M 8 - 20	Ø 91 x 204h mm	4	B22	5 kg	M059/20	€ 662,00

M060-



TAPPING CHUCK



Tapping range	Arbor length with and without holder	MT	Weight	Art.	€
M 3 - 12	213 - 175 - Ø 46 mm	2	3 kg	M060/2	€ 473,00
M 3 - 12	228 - 190 - Ø 46 mm	3	3,2 kg	M060/3	€ 473,00
M 3 - 12	253 - 215 - Ø 46 mm	4	3,6 kg	M060/4	€ 505,00

WITH ADJUSTABLE CLUTCH HOLDERS AND AXIAL COMPENSATION, 6 HOLDERS SHANK FOR TAPPING WITH Ø 19 mm, HOLE HOLDERS FOR SQUARE 3,5 x 2,7 mm - 4,5 x 3,4 mm - 6 x 4,9 mm - 8 x 6,2 mm - 10 x 8 mm - 9 x 7 mm

M004-



HOLE CUTTER SHANK WITH COOLANT SYSTEM AND WELDON SHANK



Spindle taper MT	Total length	Female junction	Weight	Art.	€
2	170,5 mm	Weldom 19,05 mm	0,76 kg	M004/2	€ 188,00
3	190,5 mm	Weldon 19,05 mm	0,95 kg	M004/3	€ 188,00



16Ax

ARBOR FOR MILLING CUTTERS

DIN 69871/A

ISO	d-h6	L	L1	Balancing rpm	Art.	€
40	16 mm	27 mm	35 mm	12000	16A40	€ 106,00
40	22 mm	31 mm	41 mm	12000	22A40	€ 106,00
40	27 mm	33 mm	41 mm	12000	27A40	€ 106,00
40	32 mm	38 mm	45 mm	12000	32A40	€ 118,00
50	16 mm	27 mm	35 mm	12000	16A50	€ 147,00
50	22 mm	31 mm	35 mm	12000	22A50	€ 147,00
50	27 mm	33 mm	35 mm	12000	27A50	€ 147,00
50	32 mm	38 mm	40 mm	12000	32A50	€ 157,00
50	40 mm	41 mm	40 mm	12000	40A50	€ 171,00



4-

WELDON SHANK TOOL HOLDER

DIN 69871/A

ISO	d1 - h6	D	L	Balancing rpm	Art.	€
40	6 mm	25 mm	60 mm	12000	4/06A40	€ 93,50
40	8 mm	28 mm	60 mm	12000	4/08A40	€ 93,50
40	10 mm	35 mm	50 mm	12000	4/10A40	€ 93,50
40	12 mm	42 mm	60 mm	12000	4/12A40	€ 93,50
40	14 mm	42 mm	70 mm	12000	4/14A40	€ 93,50
40	16 mm	48 mm	70 mm	12000	4/16A40	€ 93,50
40	18 mm	48 mm	70 mm	12000	4/18A40	€ 93,50
40	20 mm	52 mm	63 mm	12000	4/20A40	€ 93,50
40	25 mm	40 mm	100 mm	12000	4/25A40	€ 93,50
40	32 mm	72 mm	100 mm	12000	4/32A40	€ 93,50
50	6 mm	25 mm	65 mm	12000	4/06A50	€ 129,00
50	8 mm	28 mm	65 mm	12000	4/08A50	€ 129,00
50	10 mm	35 mm	70 mm	12000	4/10A50	€ 129,00
50	12 mm	42 mm	75 mm	12000	4/12A50	€ 129,00
50	14 mm	42 mm	75 mm	12000	4/14A50	€ 129,00
50	16 mm	48 mm	80 mm	12000	4/16A50	€ 129,00
50	18 mm	48 mm	80 mm	12000	4/18A50	€ 129,00
50	20 mm	52 mm	80 mm	12000	4/20A50	€ 129,00
50	25 mm	65 mm	100 mm	12000	4/25A50	€ 137,00
50	32 mm	72 mm	105 mm	12000	4/32A50	€ 137,00
50	40 mm	80 mm	120 mm	12000	4/40A50	€ 148,00



1-xA

MORSE TAPER ADAPTER

DIN 69871/A

ISO	MT	D	L	Balancing rpm	Art.	€
40	1	25 mm	45 mm	12000	1/1A40	€ 93,50
40	2	32 mm	60 mm	12000	1/2A40	€ 93,50
40	3	40 mm	75 mm	12000	1/3A40	€ 93,50
40	4	50 mm	98 mm	12000	1/4A40	€ 93,50
50	2	32 mm	40 mm	12000	1/2A50	€ 137,00
50	3	40 mm	50 mm	12000	1/3A50	€ 137,00
50	4	48 mm	95 mm	12000	1/4A50	€ 148,00
50	5	63 mm	110 mm	12000	1/5A50	€ 180,00



2-xA

MORSE TAPER ADAPTER WITH THREAD

DIN 69871/A

ISO	MT	D	L	Balancing rpm	Art.	€
40	1	25 mm	45 mm	12000	2/1A40	€ 129,00
40	2	32 mm	60 mm	12000	2/2A40	€ 129,00
40	3	40 mm	75 mm	12000	2/3A40	€ 129,00
40	4	50 mm	98 mm	12000	2/4A40	€ 129,00
50	2	32 mm	40 mm	12000	2/2A50	€ 159,00
50	3	40 mm	50 mm	12000	2/3A50	€ 159,00
50	4	50 mm	80 mm	12000	2/4A50	€ 180,00
50	5	63 mm	110 mm	12000	2/5A50	€ 213,00

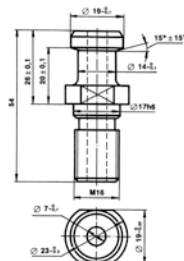


ALL WITH BALANCED CHUCK BODY



TIPAx

TIP



DIN 69871/A

ISO	Art.	€
40	TIPA40	€ 19,10
50	TIPA50	€ 20,20



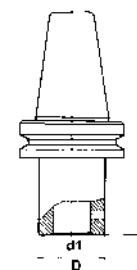
4-xD

WELDON SHANK TOOL HOLDER



MAS - 403 BT

BT	d1 - h6	D	L	Balancing rpm	Art.	€
40	6 mm	25 mm	60 mm	12000	4/06D40	€ 93,50
40	8 mm	28 mm	60 mm	12000	4/08D40	€ 93,50
40	10 mm	35 mm	60 mm	12000	4/10D40	€ 93,50
40	12 mm	42 mm	70 mm	12000	4/12D40	€ 93,50
40	14 mm	42 mm	70 mm	12000	4/14D40	€ 93,50
40	16 mm	48 mm	70 mm	12000	4/16D40	€ 93,50
40	18 mm	48 mm	70 mm	12000	4/18D40	€ 93,50
40	20 mm	52 mm	75 mm	12000	4/20D40	€ 93,50
40	25 mm	63 mm	100 mm	12000	4/25D40	€ 93,50
40	32 mm	72 mm	100 mm	12000	4/32D40	€ 93,50
50	6 mm	25 mm	65 mm	12000	4/06D50	€ 123,00
50	8 mm	28 mm	65 mm	12000	4/08D50	€ 123,00
50	10 mm	35 mm	70 mm	12000	4/10D50	€ 123,00
50	12 mm	42 mm	75 mm	12000	4/12D50	€ 123,00
50	14 mm	42 mm	75 mm	12000	4/14D50	€ 123,00
50	16 mm	48 mm	80 mm	12000	4/16D50	€ 123,00
50	18 mm	48 mm	80 mm	12000	4/18D50	€ 123,00
50	20 mm	52 mm	80 mm	12000	4/20D50	€ 123,00
50	25 mm	65 mm	100 mm	12000	4/25D50	€ 137,00
50	32 mm	72 mm	105 mm	12000	4/32D50	€ 137,00
50	40 mm	80 mm	120 mm	12000	4/40D50	€ 137,00



BALANCED CHUCK BODY



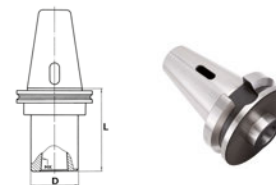
1-xD

MORSE TAPER ADAPTER



MAS - 403 BT

BT	MT	D	L	Balancing rpm	Art.	€
40	1	25 mm	45 mm	12000	1/1D40	€ 93,50
40	2	32 mm	60 mm	12000	1/2D40	€ 93,50
40	3	40 mm	75 mm	12000	1/3D40	€ 93,50
40	4	50 mm	98 mm	12000	1/4D40	€ 94,00
50	2	32 mm	40 mm	12000	1/2D50	€ 137,00
50	3	40 mm	75 mm	12000	1/3D50	€ 137,00
50	4	50 mm	80 mm	12000	1/4D50	€ 153,00
50	5	63 mm	110 mm	12000	1/5D50	€ 180,00



BALANCED CHUCK BODY



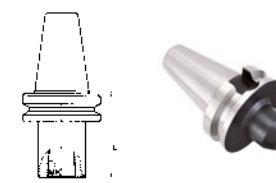
2-xD

MORSE TAPER ADAPTER WITH THREAD



MAS - 403 BT

BT	MT	D	L	Balancing rpm	Art.	€
40	1	25 mm	45 mm	12000	2/1D40	€ 123,00
40	2	32 mm	60 mm	12000	2/2D40	€ 123,00
40	3	40 mm	75 mm	12000	2/3D40	€ 123,00
40	4	50 mm	98 mm	12000	2/4D40	€ 129,00
50	2	32 mm	40 mm	12000	2/2D50	€ 164,00
50	3	40 mm	75 mm	12000	2/3D50	€ 164,00
50	4	50 mm	80 mm	12000	2/4D50	€ 191,00
50	5	63 mm	110 mm	12000	2/5D50	€ 216,00



BALANCED CHUCK BODY



16-D

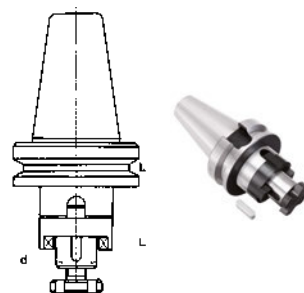


ARBOR FOR MILLING CUTTER

MAS - 403 BT

BT	d - h6	L	L1	Balancing rpm
40	16 mm	27 mm	35 mm	12000
40	22 mm	31 mm	35 mm	12000
40	27 mm	33 mm	35 mm	12000
40	32 mm	38 mm	40 mm	12000
50	16 mm	27 mm	35 mm	12000
50	22 mm	31 mm	35 mm	12000
50	27 mm	33 mm	35 mm	12000
50	32 mm	38 mm	40 mm	12000
50	40 mm	41 mm	40 mm	12000

Art.	€
16/D40	€ 106,00
22/D40	€ 106,00
27/D40	€ 106,00
32/D40	€ 118,00
16/D50	€ 148,00
22/D50	€ 148,00
27/D50	€ 159,00
32/D50	€ 159,00
40/D50	€ 169,00

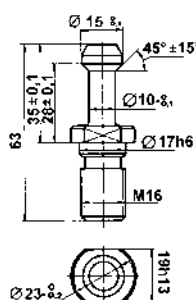


BALANCED CHUCK BODY



TIPDx

TIP



MAS - 403 BT

ISO	Art.	€
40	TIPD40	€ 19,10
50	TIPD50	€ 20,20



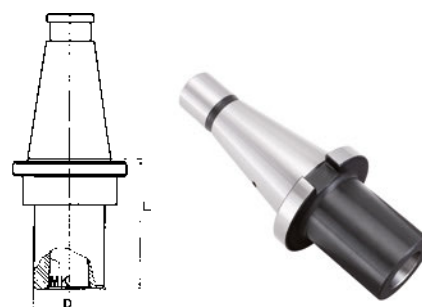
2-xB

MORSE TAPER ADAPTER WITH THREAD

DIN 2080

ISO	MT	D	L	Balancing rpm
40	1	25 mm	15 mm	2000
40	2	32 mm	30 mm	2000
40	3	40 mm	64 mm	2000
40	4	50 mm	94 mm	2000
50	2	32 mm	20 mm	2000
50	3	40 mm	30 mm	2000
50	4	50 mm	65 mm	2000
50	5	63 mm	105 mm	2000

Art.	€
2/1B40	€ 123,00
2/2B40	€ 123,00
2/3B40	€ 123,00
2/4B40	€ 138,00
2/2B50	€ 166,00
2/3B50	€ 166,00
2/4B50	€ 180,00
2/5B50	€ 197,00



BALANCED CHUCK BODY



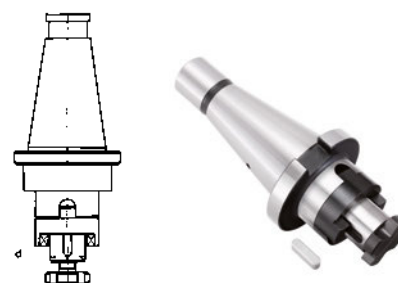
16-B

ARBOR FOR MILLING CUTTERS

DIN 2080

ISO	d - h6	L	L1	Balancing rpm
40	16 mm	27 mm	35 mm	2000
40	22 mm	31 mm	35 mm	2000
40	27 mm	33 mm	40 mm	2000
40	32 mm	38 mm	40 mm	2000
50	16 mm	27 mm	35 mm	2000
50	22 mm	31 mm	35 mm	2000
50	27 mm	33 mm	35 mm	2000
50	32 mm	38 mm	40 mm	2000
50	40 mm	41 mm	40 mm	2000

Art.	€
16/B40	€ 117,00
22/B40	€ 117,00
27/B40	€ 117,00
32/B40	€ 117,00
16/B50	€ 141,00
22/B50	€ 141,00
27/B50	€ 141,00
32/B50	€ 152,00
40/B50	€ 163,00



BALANCED CHUCK BODY



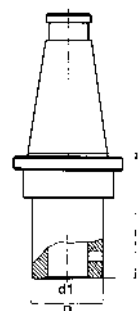
4-xB



WELDON SHANK TOOL HOLDER

DIN 2080

ISO	d1 - h6	D	L	Balancing rpm	Art.	€
40	6 mm	25 mm	50 mm	2000	4/06B40	€ 93,50
40	8 mm	28 mm	50 mm	2000	4/08B40	€ 93,50
40	10 mm	35 mm	50 mm	2000	4/10B40	€ 93,50
40	12 mm	42 mm	50 mm	2000	4/12B40	€ 93,50
40	16 mm	48 mm	63 mm	2000	4/16B40	€ 93,50
40	18 mm	48 mm	50 mm	2000	4/18B40	€ 93,50
40	20 mm	52 mm	63 mm	2000	4/20B40	€ 93,50
40	25 mm	65 mm	100 mm	2000	4/25B40	€ 93,50
40	32 mm	72 mm	80 mm	2000	4/32B40	€ 93,50
50	6 mm	25 mm	50 mm	2000	4/06B50	€ 126,00
50	8 mm	28 mm	50 mm	2000	4/08B50	€ 126,00
50	10 mm	35 mm	50 mm	2000	4/10B50	€ 126,00
50	12 mm	42 mm	50 mm	2000	4/12B50	€ 126,00
50	16 mm	48 mm	50 mm	2000	4/16B50	€ 126,00
50	20 mm	52 mm	63 mm	2000	4/20B50	€ 137,00
50	25 mm	65 mm	80 mm	2000	4/25B50	€ 137,00
50	32 mm	72 mm	80 mm	2000	4/32B50	€ 137,00
50	40 mm	90 mm	90 mm	2000	4/40B50	€ 148,00



BALANCED CHUCK BODY



0° ÷ 90° TILTING TOOL

DIN 2080, DIN 69871, MAS BT - TC

Taper	HSK	Art.	€
30 ISO	-	S007/30	€ 219,00
40 ISO	63	S007/40	€ 223,00
50 ISO	100	S007/50	€ 249,00

TIGHTENING FIXTURE



CHUCK HOLDER

Chuck sizes	Weight	Art.	€
BT 40 ISO 40	3,8 kg	S014/40BT	€ 77,00
DIN 69871.40 ISO 40	3,8 kg	S014/40DIN	€ 77,00
BT 50 ISO 50	11,4 kg	S014/50BT	€ 175,00
DIN 69871.50 ISO 50	11,4 kg	S014/50DIN	€ 175,00

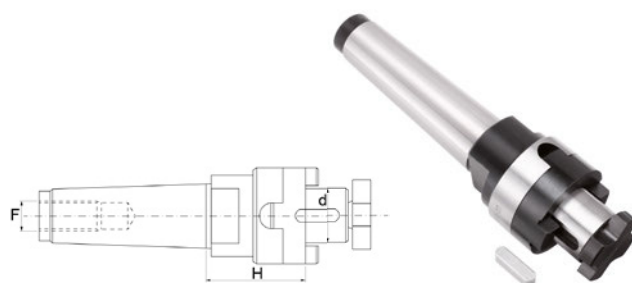
VERTICAL AND HORIZONTAL FOR BT 40 AND ISO 40. IT'S A SMART DEVICE TO SET THE CHUCK FOR CNC MACHINES



TAPER SHANK SHELL END MILL ADAPTER

DIN 228/A

d - h6	MT	F	H	Art.	€
16 mm	3	M 12	50 mm	16/CM3	€ 99,00
16 mm	4	M 16	55 mm	16/CM4	€ 99,00
22 mm	3	M 12	50 mm	22/CM3	€ 99,00
22 mm	4	M 16	55 mm	22/CM4	€ 99,00
27 mm	3	M 12	50 mm	27/CM3	€ 99,00
27 mm	4	M 16	55 mm	27/CM4	€ 99,00

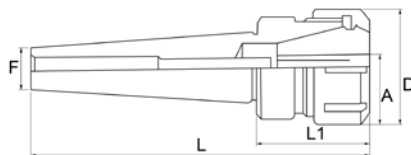


16-CM



3-CM

COLLET CHUCK



DIN 228/A

Collets	D	L	L1	F	A	Art.	€
ER 32	50 mm	135 mm	60 mm	M 10	3 / 20 mm	3/CM2	€ 93,5q
ER 32	50 mm	146 mm	60 mm	M 12	3 / 20 mm	3/CM3	€ 93,5q
ER 32	50 mm	166 mm	58 mm	M 16	3 / 20 mm	3/CM4	€ 105,00



3D40-

COLLET CHUCK



MAS - 403 BT

Collets	A	D	L	F	Balancing rpm	Art.	€
ER 16	1 / 10 mm	28 mm	100 mm	M 16	12000	3D40/16	€ 69,00
ER 20	2 / 13 mm	34 mm	100 mm	M 16	12000	3D40/20	€ 69,00
ER 25	2 / 16 mm	42 mm	100 mm	M 16	12000	3D40/25	€ 69,00
ER 32	3/20 mm	50 mm	63 mm	M 16	12000	3/D/40	€ 109,00

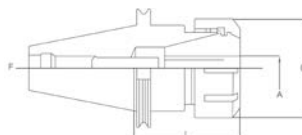


BALANCED CHUCK BODY



3A40-

COLLET CHUCK



DIN 69871/A

Collets	A	D	L	F	Balancing rpm	Art.	€
ER 16	1 / 10 mm	28 mm	100 mm	M 16	12000	3A40/16	€ 69,00
ER 20	2 / 13 mm	34 mm	100 mm	M 16	12000	3A40/20	€ 69,00
ER 25	2 / 16 mm	42 mm	100 mm	M 16	12000	3A40/25	€ 69,00
ER 32	3/20 mm	50 mm	72 mm	M 16	12000	3/A/40	€ 109,00



BALANCED CHUCK BODY



3/B/40

COLLET CHUCK

€ 109,00



DIN 2080

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



BALANCED CHUCK BODY

**ER16 SPRING COLLET SET****PR16/10P****€ 85,00**

10 Pcs

Sizes ø 1-2-3-4-5-6-7-8-9-10 mm
Weight 0.5 kg

**ER20 SPRING COLLET SET****PR20/12P****€ 95,00**

12 Pcs

Sizes ø 2-3-4-5-6-7-8-9-10-11-12-13 mm
Weight 0.9 kg

**ER25 SPRING COLLET SET****PR25/15P****€ 125,00**

15 Pcs

Sizes ø 2-3-4-5-6-7-8-9-10-11-12-13-14-15-16mm
Weight 1.68 kg

**ER32 SPRING COLLET SET****P032/7P****€ 115,00**

7 Pcs

Sizes 4-6-8-10-12-16-20 mm
Weight 1,1 kg
Quantity 6

**ER32 SPRING COLLET SET****P032/18P****€ 260,00**

18 Pcs

Sizes 3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20 mm
Weight 3 kg
Quantity 2





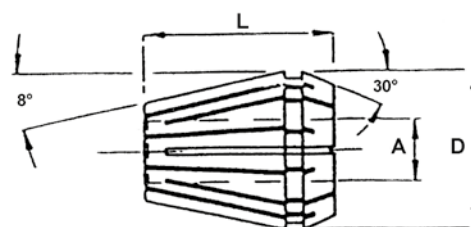
SPRING COLLET

P032-



ER 32

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



SPARE RING

G0x

Art.	€
G016	€ 10,00
G020	€ 11,00
G025	€ 15,00
G032	€ 37,60



LOCK RING DRIVING KEY

CHERx



Art.	€
CHER25	€ 16,00
CHER32	€ 20,40

COMPATIBILITY CHART

Art.	€	3/CM2	3/CM3	3/CM4	3/D/40	3/B/40	3/A/40	3A40/16	3A40/20	3A40/25	3D40/16	3D40/20	3D40/25	Pag
P032/03	15,20	•	•	•	•	•	•							201
P032/04	15,20	•	•	•	•	•	•							201
P032/05	15,20	•	•	•	•	•	•							201
P032/06	15,20	•	•	•	•	•	•							201
P032/07	15,20	•	•	•	•	•	•							201
P032/08	15,20	•	•	•	•	•	•							201
P032/09	15,20	•	•	•	•	•	•							201
P032/10	15,20	•	•	•	•	•	•							201
P032/11	15,20	•	•	•	•	•	•							201
P032/12	15,20	•	•	•	•	•	•							201
P032/13	15,20	•	•	•	•	•	•							201
P032/14	15,20	•	•	•	•	•	•							201
P032/15	15,20	•	•	•	•	•	•							201
P032/16	15,20	•	•	•	•	•	•							201

Art.	€	3/CM2	3/CM3	3/CM4	3/D/40	3/B/40	3/A/40	3A40/16	3A40/20	3A40/25	3D40/16	3D40/20	3D40/25	Pag
P032/17	15,20	•	•	•	•	•	•							201
P032/18	15,20	•	•	•	•	•	•							201
P032/19	15,20	•	•	•	•	•	•							201
P032/20	15,20	•	•	•	•	•	•							201
P032/18P	260,00	•	•	•	•	•	•							200
G032	37,60	•	•	•	•	•	•							201
CHER32	20,40	•	•	•	•	•	•							201
PR16/10P	85,00							•				•		200
PR20/12P	95,00								•			•		200
PR25/15P	125,00									•			•	200
G016	10,00							•			•			201
G020	11,00								•			•		201
G025	15,00									•			•	201
CHER25	16,00									•			•	201

**TOOL ROLLING CABINET KIT****P450****€ 518,00**

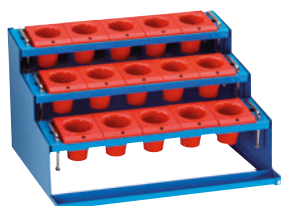
Overall sizes 950 x 650 x 830h mm
Weight 35 kg

WITH 20 ISO50 TOOL HOLDERS

**TOOL ROLLING CABINET KIT****P440****€ 425,00**

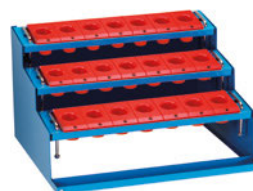
Overall sizes 950 x 650 x 830h mm
Weight 35 kg

WITH 28 TOOL HOLDERS

**TOOL ROLLING CABINET KIT****P350****€ 169,00**

Overall sizes 600 x 500 x 350h mm
Weight 13 kg

FRAME WITH 15 ISO50 TOOL HOLDERS

**TABLE TOOL RACK KIT****P340****€ 179,00**

Overall sizes 600 x 500 x 350h mm
Weight 13 kg

FRAME WITH 21 ISO40 TOOL HOLDERS

**TOOL HOLDER SHELF****PC50****€ 49,60**

Overall sizes 600 x 145 mm
Quantity 4

WITH 5 ISO50 TOOL HOLDER

**TOOL HOLDER SHELF****PC40****€ 49,60**

Overall sizes 600 x 145 mm
Quantity 4

WITH 7 ISO40 TOOL HOLDERS

**TOOL HOLDER SET****PC50/R****€ 57,00**

10 Pcs

Overall sizes 136 x 102 mm
Quantity 4

ISO50

**TOOL HOLDER SET****PC40/R****€ 53,10**

10 Pcs

Overall sizes 136 x 72 mm
Quantity 4

ISO40

**COUPLE OF SUPPORTS****P4CS****€ 21,20****4 FEET SET****PC4P****€ 22,70**



T010-

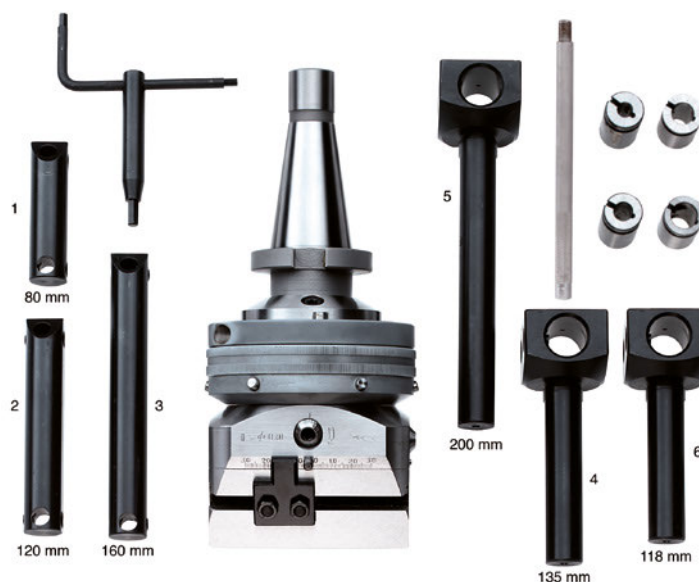
PRECISION BORING HEAD

Boring head body	Shank	Tools	Max offset	A	Weight	Art.	€
Ø 50 mm	CM/MT3-DIN228A	Ø 12 mm	15 mm	75 mm	1,2 kg	T010/5003	€ 281,00
Ø 50 mm	CM/MT4-DIN228A	Ø 12 mm	15 mm	75 mm	1,8 kg	T010/5004	€ 281,00
Ø 50 mm	ISO 40-DIN2080	Ø 12 mm	15 mm	81 mm	1,9 kg	T010/5040	€ 281,00
Ø 75 mm	ISO 40-DIN2080	Ø 18 mm	25 mm	99 mm	3,2 kg	T010/7540	€ 321,00

TOOL KIT NOT INCLUDED



T021-

AUTOMATIC PRECISION BORING HEAD

Art.	€
T021/030	€ 1850,00
T021/030CM3	€ 1850,00
T021/050	€ 2160,00
T021/100	€ 2490,00
T021/100/50	€ 2490,00

T021/030
T021/030CM3

T021/050

T021/100
T021/100/50

Max facing and boring ø	150 mmv	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
ø of tool post holes in head	18 mm	22 mm	22 mm
Max ø 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	Ø 6 mm	Ø 10 mm	Ø 10 mm

B001-

SOLID BORING BAR SET FOR PRECISION BORING HEADS

Suitable	Shank	Length	Insert (not included)	Art.	€
T010/50	12 ø mm	60 mm	TCMT110204N	B001/12	€ 120,00
T010/75	18 ø mm	99 mm	TCMT110204N	B001/18	€ 120,00





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

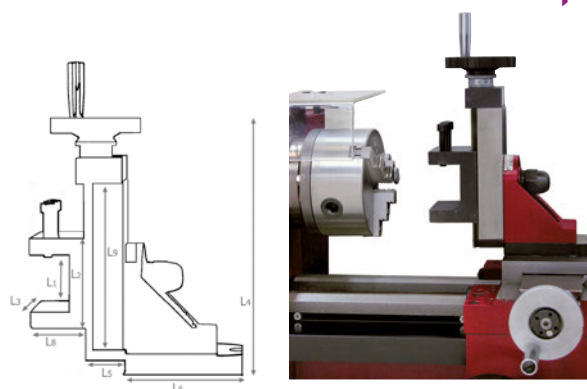


LATHE MILL TABLE UNIVERSAL DEVICE

0688

€ 195,00

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



QUICK CHANGE TOOL POST

T00x

R max	S max	P	T	H	X min	Art.	€
100 mm	54 mm	48 mm	20 mm	16 mm	30 mm	T00A	€ 791,00
150 mm	75 mm	71 mm	32 mm	25 mm	37 mm	T00B	€ 1008,00
202 mm	105 mm	102 mm	40 mm	32 mm	47 mm	T00C	€ 1620,00
125 mm	68 mm	60 mm	20 mm	20 mm	35 mm	T00E	€ 837,00

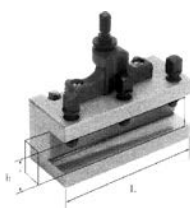
TOOL HOLDERS ADJUSTMENT IN 40 DIFFERENT ANGLES - COMPOSED OF:
1 TOOL POST
3 FLAT TYPE TOOL HOLDERS
1 BORING BAR TOOL HOLDER



FLAT TYPE TOOL HOLDERS

T00x-D

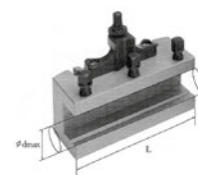
L	h	Art.	€
80 mm	16 mm	T00A/D	€ 112,00
120 mm	25 mm	T00B/D	€ 168,00
150 mm	32 mm	T00C/D	€ 259,00
100 mm	20 mm	T00E/D	€ 150,00



PRISMATIC TYPE TOOL HOLDERS

T00x-B

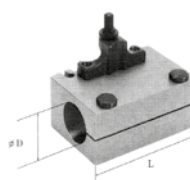
L	d max	Art.	€
80 mm	20 mm	T00A/B	€ 117,00
130 mm	32 mm	T00B/B	€ 172,00
160 mm	32 mm	T00C/B	€ 255,00
100 mm	30 mm	T00E/B	€ 168,00



TOOL HOLDERS FOR SOCKET

T00x-S

L	D	Art.	€
80 mm	30 mm	T00A/S	€ 128,00
120 mm	40 mm	T00B/S	€ 212,00
150 mm	40 mm	T00C/S	€ 299,00
100 mm	30 mm	T00E/S	€ 173,00



REDUCTION SLEEVE

T00x-LC

L	d	MT	Art.	€
80 mm	30 mm	1	T00AE/LCM1	€ 37,30
95 mm	30 mm	2	T00AE/LCM2	€ 37,30
105 mm	36 mm	2	T00BC/LCM2	€ 40,30
120 mm	40 mm	3	T00BC/LCM3	€ 40,30
150 mm	40 mm	4	T00BC/LCM4	€ 55,00



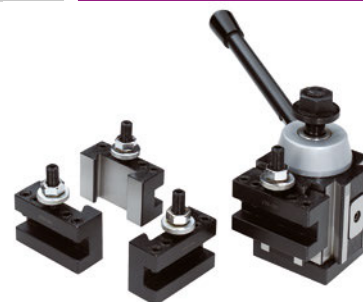


T0Ax

QUICK CHANGE TOOL POST

Length	Width	Working height	Hole	Tool height	Art.	€
57 mm	64 mm	56 mm	14,4 mm	14 mm	T0AA	€ 287,00
85 mm	85 mm	76 mm	19,9 mm	20 mm	T0AB	€ 482,00
100 mm	100 mm	92 mm	22,22 mm	25 mm	T0AC	€ 622,00
76,5 mm	76,5 mm	70 mm	16,5 mm	16 mm	T0AE	€ 364,00

COMPOSED OF:
- 1 TOOL POST
- 4 FLAT TYPE TOOL HOLDERS



T0Ax-D

FLAT TYPE TOOL HOLDERS

Length	Width	Height	Tool height	Art.	€
76 mm	25,5 mm	38 mm	14 mm	T0AA/D	€ 66,00
108 mm	35 mm	54 mm	20 mm	T0AB/D	€ 92,40
125 mm	40 mm	63 mm	25 mm	T0AC/D	€ 108,00
89 mm	29 mm	45 mm	16 mm	T0AE/D	€ 79,20



T00A1

QUICK CHANGE TOOL POST

€ 254,00



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



T00A1/PP

FLAT TYPE TOOL HOLDERS

€ 55,50



Length	57 mm
Width	25 mm
Height	25 mm
Tool height	12 mm



T00Ax

QUICK CHANGE TOOL POST

Length	Width	Height	Hole	Tool height	Art.	€
60 mm	50 mm	30 mm	10	12 mm	T00A0	€ 118,00
68 mm	68 mm	47 mm	10 mm	19 mm	T00A1R	€ 156,00

COMPOSED OF:
- 1 TOOL POST
- 3 FLAT TYPE TOOL HOLDERS



T00Ax-PP

FLAT TYPE TOOL HOLDERS

Length	Width	Height	Tool height
50 mm	22 mm	24 mm	12 mm
66 mm	27 mm	46 mm	19 mm

Art.	€
T00A0/PP	€ 40,00
T00A1R/PP	€ 41,10





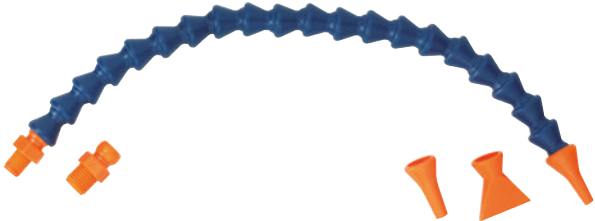
P018-

COOLING SYSTEM FOR MACHINES



Power	Tank capacity	Pump capacity	Weight	Art.	€
230V - 50Hz - 40W	10 l	22 l/min	7 kg	P018/230V	€ 328,00
400V - 50Hz - 40W	10 l	22 l/min	7 kg	P018/400V	€ 328,00

COOLING HOSE **T200**
€ 17,40



Total length	350 mm
Hose diameter	6 mm - 1/4"

COMPOSED OF:
N. 21 SEGMENTS
N. 1 NOZZLE: HOLE ø 1,5 mm
N. 1 NOZZLE: HOLE ø 3 mm
N. 1 FITTING: 1/8"
N. 1 FITTING: 1/4"
N. 1 PLAIN NOZZLE

COOLING HOSE **T201**
€ 19,10



Total length	400 mm
Hose diameter	12 mm - 1/2"

COMPOSED OF:
N. 16 SEGMENTS
N. 1 NOZZLE - HOLE: ø 5 mm
N. 1 FITTING 1/2"
N. 1 PLAIN NOZZLE

CHROMED METAL JOINTED TUBE
FOR REFRIGERATING LIQUIDS **T338-**



Total length	Thread	Art.	€
500 mm	3/8"	T338/500	€ 18,00
600 mm	3/8"	T338/600	€ 20,00

BENCH GRINDER SAFETY
GUARD WITH LEXAN SCREEN **S100**
€ 54,40



Overall sizes	110 x 120 mm
---------------	--------------



Tx

LATH E CHUCK SAFETY GUARD STEEL FRAME WITH LEXAN SCREEN



Overall sizes	Art.	€
Ø 400 x 200 mm	T400	€ 175,00
Ø 500 x 220 mm	T500	€ 185,00
Ø 600 x 280 mm	T600	€ 202,00



Mx

UNIVERSAL SUPPORT UNIT FOR LATHE WITH CHUCK SAFETY GUARD WITH MICROSWITCH



Shank	Length	Art.	€
ø 30 mm	350 mm	M400	€ 219,00
ø 30 mm	400 mm	M500	€ 227,00
ø 30 mm	450 mm	M600	€ 237,00



P100/250

MACHINE TOOL SAFETY GUARD

€ 120,00



Shank	400 mm
Shield	150x250 H x L mm



P101-

MACHINE TOOL SAFETY GUARD



Shank	Shield	Art.	€
400L mm	150 x 350 H x L mm	P101/300	€ 375,00
600L mm	200 x 440 H x L mm	P101/350	€ 395,00
500L mm	150 x 370 H x L mm	P101/400	€ 407,00



0371

LED LIGHT MACHINE OPERATION LAMP

€ 164,00

IP 65

Power	24V 10W
Joint height	110 mm
Diameter	110 mm
Joints	1
Dust and water proof	IP 65
Weight	1,7 kg
Quantity	6

W.O. TRANSFORMER



0372

LED LIGHT MACHINE OPERATION LAMP

€ 249,00

IP 65

Power	24V 10W
Height	890 mm
Diameter	110 mm
Joints	3
Dust and water proof	IP 65
Weight	2,1 kg
Quantity	6

W.O. TRANSFORMER



0531

HALOGEN MACHINE TOOL OPERATION LAMP

€ 148,00

IP 65

Power	24V 50W
Joint height	110 mm
Diameter	125 mm
Joints	1
Dust and water proof	IP 65
Weight	1,7 kg
Quantity	6

WITHOUT TRANSFORMER



0532

HALOGEN MACHINE TOOL OPERATION LAMP

€ 208,00

IP 65

Power	24V 50W
Height	890 mm
Diameter	125 mm
Joints	3
Dust and water proof	IP 65
Weight	2,1 kg
Quantity	6

W.O. TRANSFORMER



0532/230V

HALOGEN LAMP

€ 208,00

IP 65

Power	230V 50Hz
Halogen bulb	24V 50W
Height	890 mm
Diameter	125 mm
Joints	3
Dust and water proof	IP 65
Weight	2,1 kg
Quantity	4

WITH TRANSFORMER





B007-

INDEXABLE CARBIDE TOOL HOLDER SET

Ext. shank / Insert	Int. shank / Insert	Art.	€
10 mm / TCMT110204N	8 mm / TCMT090204N	B007/10	€ 109,00
12 mm / TCMT110204N	10 mm / TCMT110204N	B007/12	€ 115,00
16 mm / TCMT16T304N	12 mm / TCMT110204N	B007/16	€ 142,00



KITCKJ

EXTERNAL TOOL HOLDER WITH INSERTS

Set composition	Art.	€
CKJNR20 + 10 KNUX160405RN	KITCKJ20	€ 186,00
CKJNR25 + 10 KNUX160405RN	KITCKJ25	€ 188,00



STGCx

90° EXTERNAL TOOL HOLDER



Side	Shank	Capacity	Bushing	Base	Insert (not included)	Art.	€
Dx/R	16 x 16 mm	T8 / M2,5 mm	-----	-----	TCMT110204N	STGCR16/11	€ 48,00
Sx/L	16 x 16 mm	T8 / M2,5 mm	-----	-----	TCMT110204N	STGCL16/11	€ 48,00
Dx/R	20 x 20 mm	T15 / M3,5 mm	BU3550	BSTG16	TCMT16T304N - TCMT16T308N	STGCR20	€ 54,20
Sx/L	20 x 20 mm	T15 / M3,5 mm	BU3550	BSTG16	TCMT16T304N - TCMT16T308N	STGCL20	€ 54,20
Dx/R	25 x 25 mm	T15 / M3,5 mm	BU3550	BSTG16	TCMT16T304N - TCMT16T308N	STGCR25	€ 66,60
Sx/L	25 x 25 mm	T15 / M3,5 mm	BU3550	BSTG16	TCMT16T304N - TCMT16T308N	STGCL25	€ 66,60

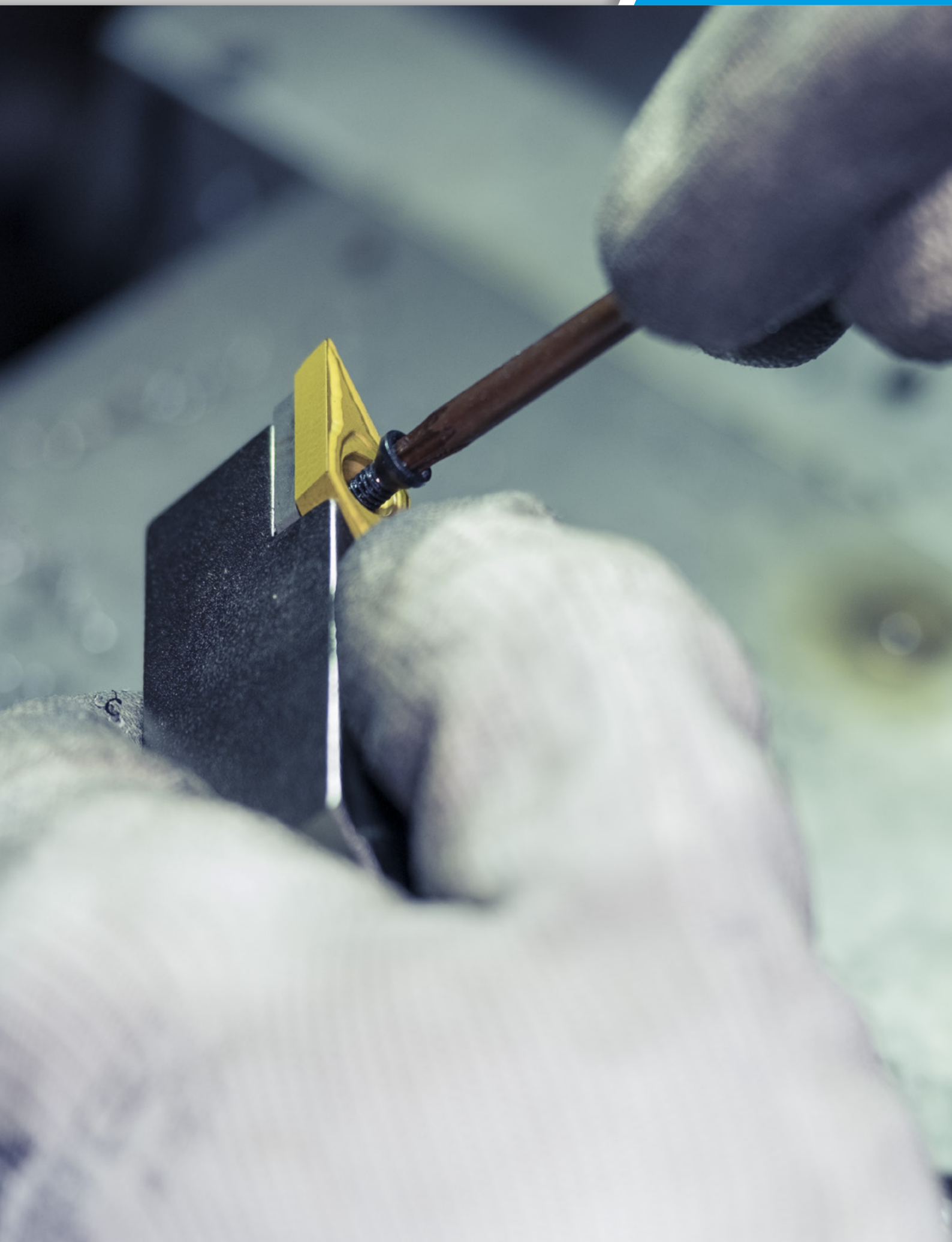


SCLCxE

95° EXTERNAL TOOL HOLDER



Side	Shank	Capacity	Bushing	Base	Insert (not included)	Art.	€
Dx/R	12 x 12 mm	T15 / M4,0 mm	-----	-----	CCMT09T304N - CCMT09T308N	SCLCR12E	€ 41,10
Sx/L	12 x 12 mm	T15 / M4,0 mm	-----	-----	CCMT09T304N - CCMT09T308N	SCLCL12E	€ 41,10
Dx/R	16 x 16 mm	T15 / M4,0 mm	BU4560	BSCL09	CCMT09T304N - CCMT09T308N	SCLCR16E	€ 49,60
Sx/L	16 x 16 mm	T15 / M4,0 mm	BU4560	BSCL09	CCMT09T304N - CCMT09T308N	SCLCL16E	€ 49,60
Dx/R	20 x 20 mm	T15 / M4,5 mm	BU4560	BSCL12	CCMT120408N	SCLCR20E	€ 55,40
Sx/L	20 x 20 mm	T15 / M4,5 mm	BU4560	BSCL12	CCMT120408N	SCLCL20E	€ 55,40
Dx/R	25 x 25 mm	T15 / M4,5 mm	BU4560	BSCL12	CCMT120408N	SCLCR25E	€ 66,60
Sx/L	25 x 25 mm	T15 / M4,5 mm	BU4560	BSCL12	CCMT120408N	SCLCL25E	€ 66,60





SSSCxE

45° EXTERNAL TOOL HOLDER



Side	Shank	Capacity	Bushing	Base	Insert (not included)	Art.	€
Dx/R	20 x 20 mm	T15 / M4,5 mm	BU4560	BSSS12	SCMT120408N	SSSCR20E	€ 54,20
Sx/L	20 x 20 mm	T15 / M4,5 mm	BU4560	BSSS12	SCMT120408N	SSSCL20E	€ 54,20
Dx/R	25 x 25 mm	T15 / M4,5 mm	BU4560	BSSS12	SCMT120408N	SSSCR25E	€ 69,90
Sx/L	25 x 25 mm	T15 / M4,5 mm	BU4560	BSSS12	SCMT120408N	SSSCL25E	€ 69,90



SVJBx

93° EXTERNAL TOOL HOLDER



Side	Shank	Capacity	Bushing	Base	Insert (not included)	Art.	€
Dx/R	20 x 20 mm	T15 / M3,5 mm	BU3550	BSVJ16	VBMT160404N - VBMT160408N	SVJBR20	€ 54,20
Sx/L	20 x 20 mm	T15 / M3,5 mm	BU3550	BSVJ16	VBMT160404N - VBMT160408N	SVJBL20	€ 54,20
Dx/R	25 x 25 mm	T15 / M3,5 mm	BU3550	BSVJ16	VBMT160404N - VBMT160408N	SVJBR25	€ 69,90
Sx/L	25 x 25 mm	T15 / M3,5 mm	BU3550	BSVJ16	VBMT160404N - VBMT160408N	SVJBL25	€ 69,90



SDJCx

93° EXTERNAL TOOL HOLDER



Side	Shank	Capacity	Bushing	Base	Insert (not included)	Art.	€
Dx/R	10 x 10 mm	T8 / M2,5 mm	-----	-----	DCMT070204N	SDJCR10	€ 31,20
Dx/R	12 x 12 mm	T8 / M2,5 mm	-----	-----	DCMT070204N	SDJCR12	€ 44,80
Dx/R	16 x 16 mm	T8 / M2,5 mm	-----	-----	DCMT070204N	SDJCR16	€ 51,60
Dx/R	20 x 20 mm	T15 / M3,5 mm	BU4050	BSDJ11	DCMT11T304N	SDJCR20	€ 58,50
Sx/L	20 x 20 mm	T15 / M3,5 mm	BU4050	BSDJ11	DCMT11T304N	SDJCL20	€ 58,50
Dx/R	25 x 25 mm	T15 / M3,5 mm	BU4050	BSDJ11	DCMT11T304N	SDJCR25	€ 74,20
Sx/L	25 x 25 mm	T15 / M3,5 mm	BU4050	BSDJ11	DCMT11T304N	SDJCL25	€ 74,20



PCLNx

EXTERNAL TOOL HOLDER



Side	Shank	Angle	Insert (not included)	Art.	€
R	16 x 16 mm	95°	CNMG120408N	PCLNR16	€ 45,00
Dx/R	20 x 20 mm	95°	CNMG120408N	PCLNR20	€ 58,80
Sx/L	20 x 20 mm	95°	CNMG120408N	PCLNL20	€ 58,80
Dx/R	25 x 25 mm	95°	CNMG120408N	PCLNR25	€ 69,90
Sx/L	25 x 25 mm	95°	CNMG120408N	PCLNL25	€ 69,90



PTGNx

EXTERNAL TOOL HOLDER



Side	Shank	Angle	Insert (not included)	Art.	€
R	16 x 16 mm	90°	TNMG160408N	PTGNR16	€ 45,00
Dx/R	20 x 20 mm	90°	TNMG160408N	PTGNR20	€ 55,00
Sx/L	20 x 20 mm	90°	TNMG160408N	PTGNL20	€ 55,00
Dx/R	25 x 25 mm	90°	TNMG160408N	PTGNR25	€ 69,90
Sx/L	25 x 25 mm	90°	TNMG160408N	PTGNL25	€ 69,90



PSSNx

EXTERNAL TOOL HOLDER



Side	Shank	Angle	Insert (not included)	Art.	€
R	16 x 16 mm	45°	SNMG120408N	PSSNR16	€ 45,00
Dx/R	20 x 20 mm	45°	SNMG120408N	PSSNR20	€ 55,40
Sx/L	20 x 20 mm	45°	SNMG120408N	PSSNL20	€ 55,40
Dx/R	25 x 25 mm	45°	SNMG120408N	PSSNR25	€ 69,90
Sx/L	25 x 25 mm	45°	SNMG120408N	PSSNL25	€ 69,90



CKJNx

EXTERNAL TOOL HOLDER



Side	Shank	Angle	Insert (not included)	Art.	€
Sx/L	20 x 20 mm	93°	KNUX160405LN	CKJNL20	€ 66,60
Sx/L	25 x 25 mm	93°	KNUX160405LN	CKJNL25	€ 77,30
R	16 x 20 mm	93°	KNUX160405RN	CKJNR16	€ 55,00
Dx/R	20 x 20 mm	93°	KNUX160405RN	CKJNR20	€ 66,60
Dx/R	25 x 25 mm	93°	KNUX160405RN	CKJNR25	€ 77,30



PDJNx

EXTERNAL TOOL HOLDER



Side	Shank	Angle	Insert (not included)	Art.	€
Dx/R	20 x 20 mm	93°	DNMG150608N	PDJNR20	€ 57,00
Dx/R	25 x 25 mm	93°	DNMG150608N	PDJNR25	€ 69,90
Sx/L	25 x 25 mm	93°	DNMG150608N	PDJNL25	€ 69,90



PWLNx

EXTERNAL TOOL HOLDER



Side	Shank	Angle	Insert (not included)	Art.	€
Dx/R	20 x 20 mm	95°	WNMG080408N	PWLN20	€ 57,00
Dx/R	25 x 25 mm	95°	WNMG080408N	PWLN25	€ 69,90
Sx/L	25 x 25 mm	95°	WNMG080408N	PWLN25	€ 69,90



G007-

KNURLING TOOL WITH 3 PAIRS OF KNURLING WHEELS, WITH DIAMOND PATTERN

Shank	Pitch	Art.	€
16 mm	0,8 - 1,2 - 1,8 mm	G007/16	€ 65,00
20 mm	0,8 - 1,2 - 1,8 mm	G007/20	€ 66,50



KISCLR

SOLID BORING BAR SET 95°

€ 249,00

COMPOSED OF: 1PC. INT. TOOL HOLDER: SCLCR08; SCLCR10; SCLCR12; CLCR16
1PC. SCREW: T8 Ø 2,5 MM 2PCS TORX KEY: T8 10PCS INSERT: CCMT060204N



KISTCMT

SOLID BORING BAR SET 90°

€ 270,00

Int. tool holder	STFCR08; STFCR10; STFCR12; STFCR16; STFCR20
Screw	T8 Ø 2,5 mm
Torx key	T8 x 2 Pz / Pcs
Insert	TCMT110204N x 10 Pz / Pcs



**SOLID BORING BAR SET 90°**

KISTFCR

€ 213,00

STFCR08 Dimensions	Ø 8 x 100 mm
STFCR10 Dimensions	Ø10 x 125 mm
STFCR12 Dimensions	Ø12 x 150 mm
STFCR16 Dimensions	Ø16 x 200 mm
STFCR20 Dimensions	Ø20 x 250 mm
Spare screws T8 Dimensions	Ø2,5 x 6 mm

COMPOSED OF STFCR08, STFCR10, STFCR12, STFCR16, STFCR20 INTERNAL TOOLS
(1pc FOR EACH ONE), SPARE PART SCREWS 2.5MM (5pcs) AND T8 TORX KEYS (2pcs)

**INTERNAL TOOL HOLDER**

SSSCRx



Overall sizes	Insert (not included)	Art.	€
Ø 16 mm, L 200 mm	SCMT09T304N - SCMT09T308N	SSSCR16	€ 53,30
Ø 20 mm, L 250 mm	SCMT09T304N - SCMT09T308N	SSSCR20	€ 59,40
Ø 25 mm, L 300 mm	SCMT09T304N - SCMT09T308N	SSSCR25	€ 69,90

**SOLID BORING BAR**

SCLCx



Side	D	h	L	Insert (not included)	Art.	€
Dx/R	8 mm	7 mm	125 mm	CCMT060204N	SCLCR08	€ 58,30
Sx/L	8 mm	7 mm	125 mm	CCMT060204N	SCLCL08	€ 58,30
Dx/R	10 mm	9 mm	140 mm	CCMT060204N	SCLCR10	€ 58,30
Sx/L	10 mm	9 mm	140 mm	CCMT060204N	SCLCL10	€ 58,30
Dx/R	12 mm	11 mm	160 mm	CCMT060204N	SCLCR12	€ 58,30
Sx/L	12 mm	11 mm	160 mm	CCMT060204N	SCLCL12	€ 58,30
Dx/R	16 mm	14,5 mm	180 mm	CCMT09T304N	SCLCR16	€ 66,00
Sx/L	16 mm	14,5 mm	180 mm	CCMT09T304N	SCLCL16	€ 66,00
Dx/R	20 mm	18 mm	200 mm	CCMT09T304N	SCLCR20	€ 66,00
Sx/L	20 mm	18 mm	200 mm	CCMT09T304N	SCLCL20	€ 66,00
Dx/R	25 mm	22,5 mm	250 mm	CCMT09T304N	SCLCR25	€ 73,70
Sx/L	25 mm	22,5 mm	250 mm	CCMT09T304N	SCLCL25	€ 73,70
Dx/R	32 mm	29 mm	300 mm	CCMT09T304N	SCLCR32	€ 104,00
Sx/L	32 mm	29 mm	300 mm	CCMT09T304N	SCLCL32	€ 104,00



STFCx

SOLID BORING BAR



Side	D	h	L	Insert (not included)	Art.	€
Dx/R	8 mm	7 mm	125 mm	TCMT110204N	STFCR08	€ 58,30
Sx/L	8 mm	7 mm	125 mm	TCMT110204N	STFCL08	€ 58,30
Dx/R	10 mm	9 mm	150 mm	TCMT110204N	STFCR10	€ 58,30
Sx/L	10 mm	9 mm	150 mm	TCMT110204N	STFCL10	€ 58,30
Dx/R	12 mm	11 mm	150 mm	TCMT110204N	STFCR12	€ 58,30
Sx/L	12 mm	11 mm	150 mm	TCMT110204N	STFCL12	€ 58,30
Dx/R	16 mm	14,5 mm	200 mm	TCMT110204N	STFCR16	€ 66,00
Sx/L	16 mm	14,5 mm	200 mm	TCMT110204N	STFCL16	€ 66,00
Dx/R	20 mm	18,5 mm	250 mm	TCMT110204N	STFCR20	€ 66,00
Sx/L	20 mm	18,5 mm	200 mm	TCMT110204N	STFCL20	€ 66,00
Dx/R	25 mm	22,5 mm	250 mm	TCMT16T304N	STFCR25	€ 73,70
Sx/L	25 mm	22,5 mm	250 mm	TCMT16T304N	STFCL25	€ 73,70
Dx/R	32 mm	29 mm	300 mm	TCMT16T304N	STFCR32	€ 104,00
Sx/L	32 mm	29 mm	300 mm	TCMT16T304N	STFCL32	€ 104,00

90°

SDUCx

SOLID BORING BAR



Side	D	h	L	Insert (not included)	Art.	€
Dx/R	10 mm	9 mm	140 mm	DCMT070204N	SDUCR10	€ 58,30
Sx/L	10 mm	9 mm	140 mm	DCMT070204N	SDUCL10	€ 58,30
Dx/R	12 mm	11 mm	160 mm	DCMT070204N	SDUCR12	€ 58,30
Sx/L	12 mm	11 mm	160 mm	DCMT070204N	SDUCL12	€ 58,30
Dx/R	16 mm	15 mm	180 mm	DCMT070204N	SDUCR16	€ 66,00
Sx/L	16 mm	15 mm	180 mm	DCMT070204N	SDUCL16	€ 66,00
Dx/R	20 mm	18 mm	200 mm	DCMT11T304N	SDUCR20	€ 66,00
Sx/L	20 mm	18 mm	200 mm	DCMT11T304N	SDUCL20	€ 66,00
Dx/R	25 mm	23 mm	250 mm	DCMT11T304N	SDUCR25	€ 73,70
Sx/L	25 mm	23 mm	250 mm	DCMT11T304N	SDUCL25	€ 73,70
Dx/R	32 mm	30 mm	300 mm	DCMT11T304N	SDUCR32	€ 104,00
Sx/L	32 mm	30 mm	300 mm	DCMT11T304N	SDUCL32	€ 104,00

93°

MCLNx

SOLID BORING BAR



Side	D	h	L	Insert (not included)	Art.	€
Dx/R	16 mm	15 mm	210 mm	CNMG120404N	MCLNR16	€ 75,90
Sx/L	16 mm	15 mm	210 mm	CNMG120404N	MCLNL16	€ 75,90
Dx/R	20 mm	18 mm	255 mm	CNMG120404N	MCLNR20	€ 83,60
Sx/L	20 mm	18 mm	255 mm	CNMG120404N	MCLNL20	€ 83,60
Dx/R	25 mm	23 mm	300 mm	CNMG120404N	MCLNR25	€ 106,00
Sx/L	25 mm	23 mm	300 mm	CNMG120404N	MCLNL25	€ 106,00
Dx/R	32 mm	30 mm	355 mm	CNMG120404N	MCLNR32	€ 129,00
Sx/L	32 mm	30 mm	355 mm	CNMG120404N	MCLNL32	€ 129,00

95°



MTFNx

SOLID BORING BAR



Side	D	h	L	Insert (not included)	Art.	€
Dx/R	16 mm	15 mm	210 mm	TNMG160404N	MTFNR16	€ 74,80
Sx/L	16 mm	15 mm	210 mm	TNMG160404N	MTFNL16	€ 74,80
Dx/R	20 mm	18 mm	255 mm	TNMG160404N	MTFNR20	€ 83,60
Sx/L	20 mm	18 mm	255 mm	TNMG160404N	MTFNL20	€ 83,60
Dx/R	25 mm	23 mm	300 mm	TNMG160404N	MTFNR25	€ 106,00
Sx/L	25 mm	23 mm	300 mm	TNMG160404N	MTFNL25	€ 106,00
Dx/R	32 mm	30 mm	355 mm	TNMG160404N	MTFNR32	€ 129,00
Sx/L	32 mm	30 mm	355 mm	TNMG160404N	MTFNL32	€ 129,00

90°



CTFPx

SOLID BORING BAR



Side	D	h	L	Insert (not included)	Art.	€
Dx/R	10 mm	9 mm	150 mm	TPMR090204N	CTFPR10	€ 63,80
Sx/L	10 mm	9 mm	150 mm	TPMR090204N	CTFPL10	€ 63,80
Dx/R	12 mm	11 mm	150 mm	TPMR110304N	CTFPR12	€ 63,80
Sx/L	12 mm	11 mm	150 mm	TPMR110304N	CTFPL12	€ 63,80
Dx/R	16 mm	15 mm	210 mm	TPMR110304N	CTFPR16	€ 73,70
Sx/L	16 mm	15 mm	210 mm	TPMR110304N	CTFPL16	€ 73,70
Dx/R	20 mm	18 mm	255 mm	TPMR160304N	CTFPR20	€ 83,60
Sx/L	20 mm	18 mm	255 mm	TPMR160304N	CTFPL20	€ 83,60
Dx/R	25 mm	23 mm	300 mm	TPMR160304N	CTFPR25	€ 103,00
Sx/L	25 mm	23 mm	300 mm	TPMR160304N	CTFPL25	€ 103,00
Dx/R	32 mm	30 mm	355 mm	TPMR160304N	CTFPR32	€ 129,00
Sx/L	32 mm	30 mm	355 mm	TPMR160304N	CTFPL32	€ 129,00

90°



CKUNR

SOLID BORING BAR



Side	D	h	L	Insert (not included)	Art.	€
Dx/R	25 mm	23 mm	300 mm	KNUX160405LN	CKUNR25	€ 183,00
Dx/R	32 mm	30 mm	350 mm	KNUX160405LN	CKUNR32	€ 209,00
Dx/R	40 mm	37 mm	400 mm	KNUX160405LN	CKUNR40	€ 219,00

93°



KISER

EXTERNAL THREAD TOOL HOLDER

Shank	L	Insert	Art.	€
20 x 20 mm	125 mm	16ER...	KISER	€ 181,00
25 x 25 mm	150 mm	16ER...	KISER25	€ 238,00





KISNR

INTERNAL THREAD TOOL HOLDER

ø	h	L	Insert	Art.	€
20 mm	18 mm	170 mm	16IR...	KISNR	€ 208,00
25 mm	23 mm	200 mm	16IR...	KISNR25	€ 248,00



KICAN

INTERNAL AND EXTERNAL GROOVING TOOL HOLDER SET

€ 232,00

1 PC EXT. GROOVING TOOL HOLDER: 20 X 20 mm
 1 PC INT. GROOVING TOOL HOLDER: ø 20 mm
 2 PC SCREW: M4 x 12 mm - 1 PC TORX KEY: T 15
 GROOVING INSERTS 16 mm TIN:
 2 PCS 165110134 - 2 PCS 165130134
 2 PCS 165160134 - 1 PC 165185134
 1 PC 165215134 - 1 PC 165265134
 1 PC 165315134



SERx

EXTERNAL THREAD TOOL HOLDER



Shank	L	Insert (not included)	Art.	€
16 x 16 mm	100 mm	16ER..	SER16	€ 60,00
20 x 20 mm	125 mm	16ER...	SER20	€ 77,00
25 x 25 mm	150 mm	16ER...	SER25	€ 89,10

FOR HARD METAL INSERTS



SNRx

INTERNAL THREAD TOOL HOLDER



ø	h	L	Insert (not included)	Art.	€
12 mm	11 mm	150 mm	11IR...	SNR12	€ 60,00
16 mm	15 mm	170 mm	16IR...	SNR16	€ 70,00
20 mm	18 mm	170 mm	16IR...	SNR20	€ 84,70
25 mm	23 mm	300 mm	16IR...	SNR25	€ 105,00



TOOL CUTTING SET

T088

€ 100,00

Set composition 1 Pc SGTBK16 - 1 Pc SGIH26/2 - 1 Pc SGIH26/3

TOOL CUTTING SET FOR EXTERNAL



TOOL CUTTING SET

T089

€ 70,00

Set composition 1 Pc SGIH19/2 - 1 Pc SGTBK10

FOR EXTERNAL



TOOL CUTTING SET

T09x

Set composition

1 Pc SGIH32/3 - 1 Pc SGIH32/4 - 1 Pc SGIH32/5 - 1 Pc SGTBK25
1 Pc SGIH26/2 - 1 Pc SGIH26/3 - 1 Pc SGTBK20

Art.	€
T090	€ 164,00
T091	€ 120,00

FOR EXTERNAL



SGIH

TOOL FOR EXTERNAL CUTTING - BLADE



SGTBK

TOOL FOR EXTERNAL CUTTING - BLADE TOOL HOLDER



Overall sizes	Insert (not included)	Art.	€
19,5 x 85 mm	GCMX2N134	SGIH19/2	€ 29,00
25,75h x 109 mm	GCMX2N134	SGIH26/2	€ 36,10
25,75h x 109 mm	GCMX3N134	SGIH26/3	€ 36,10
31,75h x 150 mm	GCMX3N134	SGIH32/3	€ 36,10
31,75h x 160 mm	GCMX4N134	SGIH32/4	€ 36,10
31,75h x 160 mm	GCMX5N134	SGIH32/5	€ 36,10

Shank	Dimensions	Blade	Art.	€
10 x 10 mm	56 x 25 x 30 mm	19 mm	SGTBK10	€ 48,00
16 x 16 mm	87 x 38 x 33 mm	26 mm	SGTBK16	€ 52,00
20 x 20 mm	100 x 38 x 45h mm	26 mm	SGTBK20	€ 57,20
25 x 25 mm	110 x 49 x 48h mm	32 mm	SGTBK25	€ 71,50



SET 5 BASES
16mm

BSTG16

€ 26,90



5 BUSHING
SET

BU3550

€ 26,90



SET 5
BASES 9mm

BSCL09

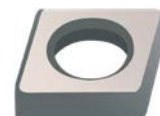
€ 26,90



SET 5 BASES
12 mm

BSCL12

€ 26,90



5 BUSHING
SET

BU4560

€ 26,90



5 SQUARE
BASE 12mm

BSSS12

€ 26,90



SET 5 BASES
16 mm

BSVJ16

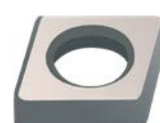
€ 26,90



5 RHOMBIC
BASES 11 mm

BSDJ11

€ 30,00



5 BUSHING
SET

BU4050

€ 29,50



BASE BRACKET
SCREW KIT

RICAPCLN

€ 16,80



BASE BRACKET
SCREW KIT

RICAPTGN

€ 16,80



BASE BRACKET
SCREW KIT

RICAPSSN

€ 16,80



RIGHT TOOL
BRACKET

STAFCKJNR

€ 21,30



LEFT TOOL
BRACKET

STAFCKJNL

€ 21,30



CARBIDE BASE
RIGHT TOOL

BASECKJNR

€ 12,40



CARBIDE BASE
LEFT TOOL

BASECKJNL

€ 12,40





**TOOL
SCREW**

VITECKJN

€ 4,62



**KIT
PARTS**

PDJNRKIT

€ 19,20



**BASE BRACKET
SCREW KIT**

PWLNRKIT

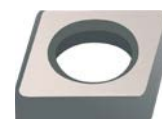
€ 17,40



BASE

MCLNBASE25/32

€ 19,50



**TOOL BRACKET
16 - 20**

CTMTMC16/20

€ 24,00



**TOOL BRACKET
25 - 32**

CTMTMC25/32

€ 24,00



BASE

MTFNBASE25/32

€ 15,20



**TOOL
BRACKET**

CTFP10/12

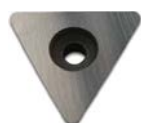
€ 24,00



BASE

CTFPBASE25/32

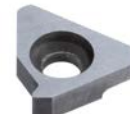
€ 15,20



**5 CARBIDE
BASE 16mm**

BSER16

€ 35,60



5 CARBIDES

BSNR16

€ 35,60

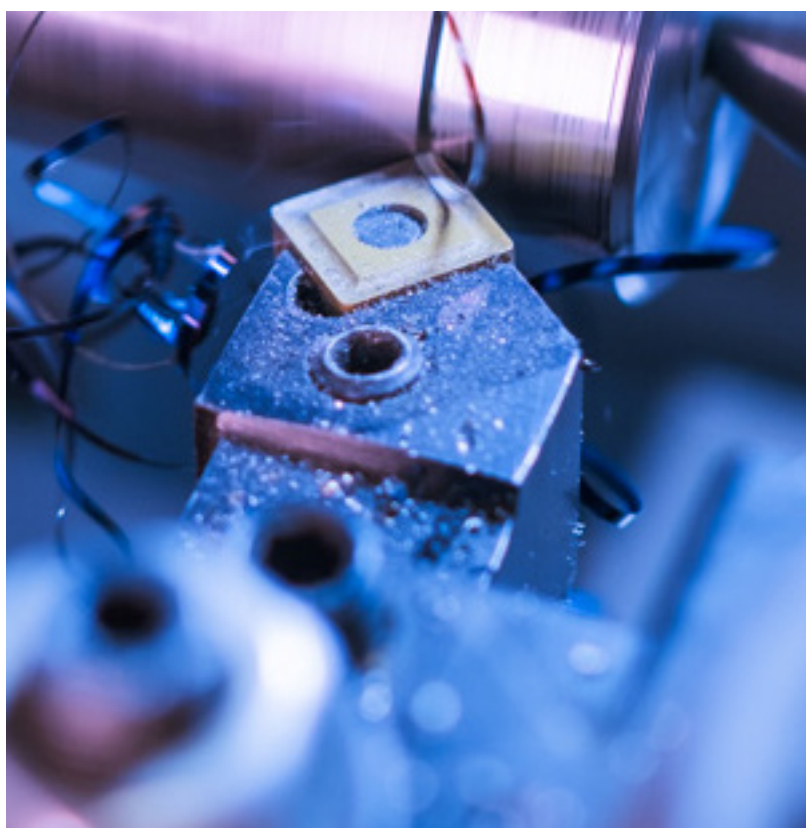


**10 PC
SCREWS SET**

KVx



Screw	Art.	€
T8 / M2	KV200	€ 22,40
T8 / M2,5	KV250	€ 22,40
T15 / M 3	KV300	€ 22,40
T15 / M 3,5	KV350	€ 22,40
T15 / M 4	KV400	€ 22,40
T15 / M 4,5	KV450	€ 22,40
T20 / M 5	KV500	€ 22,40





COMPATIBILITY CHART

COMPATIBLE SCREWS SET - € 22,40 - P. 221

	KV200	KV250	KV350	KV400	KV450		KV200	KV250	KV350	KV400	KV450		KV200	KV250	KV350	KV400	KV450
STGCR16/11	•					SSSCR16				•		SDUCR10					
STGCL16/11	•					SSSCR20				•		SDUCL10	•				
STGCR20			•			SSSCR25				•		SDUCR12	•				
STGCL20			•			SCLCR08		•				SDUCL12	•				
STGCR25			•			SCLCL08		•				SDUCR16	•				
STGCL25			•			SCLCR10		•				SDUCL16	•				
SCLCR12E				•		SCLCL10		•				SDUCR20		•			
SCLCL12E				•		SCLCR12		•				SDUCL20		•			
SCLCR16E				•		SCLCL12		•				SDUCR25		•			
SCLCL16E				•		SCLCR16				•		SDUCL25		•			
SCLCR20E					•	SCLCL16				•		SDUCR32		•			
SCLCL20E					•	SCLCR20				•		SDUCL32		•			
SCLCR25E					•	SCLCL20				•		SER16			•		
SCLCL25E					•	SCLCR25				•		SER20			•		
SSSCR20E					•	SCLCL25				•		SER25			•		
SSSCL20E					•	SCLCR32				•		SNR12		•			
SSSCR25E					•	SCLCL32				•		SNR16			•		
SSSCL25E					•	STFCR08		•				SNR20			•		
SVJBR20			•			STFCL08		•				SNR25			•		
SVJBL20			•			STFCR10		•				KITCKJ20					
SVJBR25			•			STFCL10		•				KITCKJ25					
SVJBL25			•			STFCR12		•				B007/10	•	•			
SDJCR10		•				STFCL12		•				B007/12		•			
SDJCR12		•				STFCR16		•				B007/16			•		
SDJCR16		•				STFCL16		•									
SDJCR20			•			STFCR20		•									
SDJCL20			•			STFCL20		•									
SDJCR25			•			STFCLR25			•								
SDJCL25			•			STFCL25			•								
B001/12		•				STFCR32			•								
B001/18		•				STFCL32			•								

COMPATIBLE BASES AND BUSHINGS SETS - € 26,90 P. 219

	BSTG16	BU3550	BSCL09	BSCL12	BU4560	BSS512	BSVJ16	BU3550	BSCL09	BSCL12	BU4560	BSS512	BSVJ16		BSTG16	BU3550	BSCL09	BSCL12	BU4560	BSS512	BSVJ16
STGCR16/11														SSSCR25E						•	•
STGCL16/11														SSSCL25E						•	•
STGCR20	•	•						•						SVJBR20	•						•
STGCL20	•	•						•						SVJBL20	•						•
STGCR25	•	•						•						SVJBR25	•						•
STGCL25	•	•						•						SVJBL25	•						•
SCLCR16E			•	•	•				•	•	•			SDJCR20							
SCLCL16E			•	•	•				•	•	•			SDJCL20							
SCLCR20E				•	•					•	•			SDJCR25							
SCLCL20E				•	•					•	•			SDJCL25							
SCLCR25E				•	•					•	•			SER20							
SCLCL25E				•	•					•	•			SER25	•						
SSSCR20E					•	•					•	•		SNR20	•						
SSSCL20E					•	•					•	•		SNR25	•						

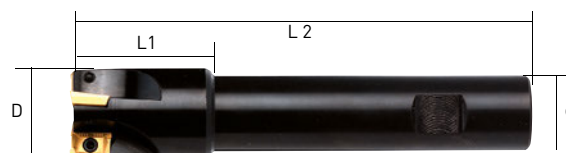
COMPATIBLE TOOLS - € 26,90 P. 219

Art.	€	SGTBK10	SGTBK16	SGTBK20	SGTBK25	T088	T089	T090	T091	Pag
SGIH19/2	29,00	•					•			219
SGIH26/2	36,10		•	•		•			•	219
SGIH26/3	36,10		•	•		•			•	219
SGIH32/3	36,10				•			•		219
SGIH32/4	36,10				•			•		219
SGIH32/5	36,10				•			•		219



F300-

STRAIGHT SHANK FACE MILLING CUTTER



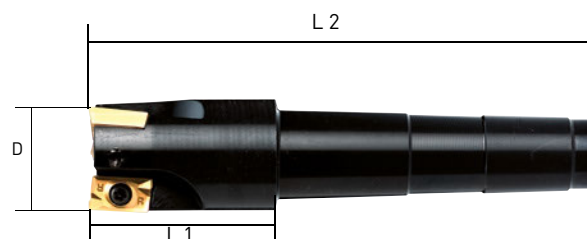
90°

D	d	Z	L1	L2	Screw	Insert (not included)	Art.	€
12 mm	12 mm	1	27 mm	120 mm	T8/25 KV250	APKT1003PDER20A	F300/12	€ 41,10
14 mm	12 mm	1	27 mm	120 mm	T8/25 KV250	APKT1003PDER20A	F300/14	€ 41,10
16 mm	16 mm	2	27 mm	120 mm	T8/25 KV250	APKT1003PDER20A	F300/16	€ 48,90
18 mm	16 mm	2	27 mm	120 mm	T8/25 KV250	APKT1003PDER20A	F300/18	€ 54,40
20 mm	20 mm	3	32 mm	120 mm	T8/25 KV250	APKT1003PDER20A	F300/20	€ 58,30
22 mm	20 mm	3	27 mm	120 mm	T8/25 KV250	APKT1003PDER20A	F300/22	€ 58,30
25 mm	20 mm	4	27 mm	120 mm	T8/25 KV250	APKT1003PDER20A	F300/25	€ 69,90
25 mm	20 mm	2	44 mm	120 mm	T15/40 KV400	APKT1604PDER20A	F300/25/16	€ 69,90
25 mm	20 mm	2	44 mm	200 mm	T15/40 KV400	APKT1604PDER20A	F300/25/16L	€ 81,20
32 mm	25 mm	3	50 mm	120 mm	T15/40 KV400	APKT1604PDER20A	F300/32/16	€ 81,20
32 mm	32 mm	3	55 mm	200 mm	T15/40 KV400	APKT1604PDER20A	F300/32/16L	€ 113,00



F301-

STRAIGHT SHANK FACE MILLING CUTTER



90°

D	MT	Z	L1	L2	Screw	Insert (not included)	Art.	€
25 mm	3	2	40 mm	125 mm	T15/40 KV400	APKT1604PDER20A	F301/25	€ 72,40
32 mm	3	3	40 mm	125 mm	T15/40 KV400	APKT1604PDER20A	F301/32	€ 77,30
40 mm	3	4	35 mm	125 mm	T15/40 KV400	APKT1604PDER20A	F301/40	€ 98,70
32 mm	4	3	45 mm	150 mm	T15/40 KV400	APKT1604PDER20A	F301/32CM4	€ 98,70
40 mm	4	4	40 mm	150 mm	T15/40 KV400	APKT1604PDER20A	F301/40CM4	€ 105,00



F306-

FACE MILLING CUTTER



90°

D	d	Z	L1	L2	Screw	Insert (not included)	Art.	€
20 mm	20 mm	2	18 mm	90 mm	T8/25 KV250	APKT1003PDER20A	F306/20	€ 90,00
25 mm	25 mm	2	18 mm	100 mm	T8/25 KV250	APKT1003PDER20A	F306/25	€ 110,00

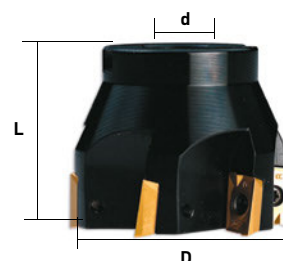


F302-

FACE MILLING CUTTER

90°

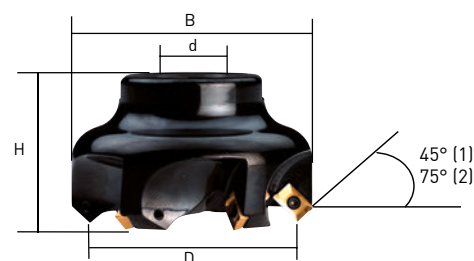
D	L	d	Z	Screw	Insert (not included)	Art.	€
40 mm	40 mm	16 mm	4	KV400	APKT1604PDER20A	F302/040	€ 159,00
50 mm	50 mm	22 mm	4	KV400	APKT1604PDER20A	F302/050	€ 164,00
63 mm	50 mm	22 mm	6	KV400	APKT1604PDER20A	F302/063	€ 173,00
80 mm	50 mm	27 mm	7	KV400	APKT1604PDER20A	F302/080	€ 204,00
100 mm	50 mm	32 mm	8	KV400	APKT1604PDER20A	F302/100	€ 254,00





F304-

FACE MILLING CUTTER FOR BLIND SIDE'S INSERT

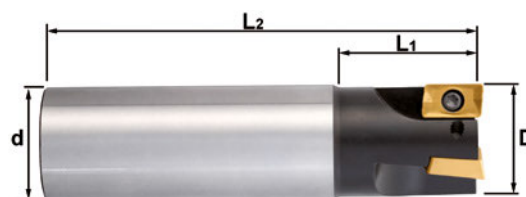


D	h	b	d	Z	Screw	Insert (not included)	Art.	€
63 mm	42 mm	71,2 mm	22 mm	6	T8/25 KV250	APKT1003PDER20A	F304/063	€ 270,00
80 mm	47 mm	84 mm	27 mm	5	T15/40 KV400	APKT1604PDER20A	F304/080	€ 219,00



F402-

FACE MILLING CUTTER



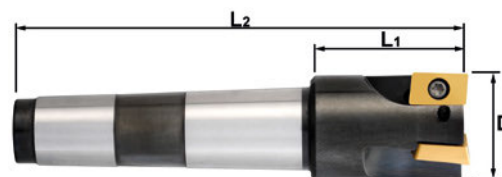
90°

D	d	Z	L1	L2	Screw	Insert (not included)	Art.	€
25 mm	20 mm	2	35 mm	110 mm	T15/40 KV400	ADLT1503ZZR234	F402/25	€ 58,80
32 mm	25 mm	3	35 mm	120 mm	T15/40 KV400	ADLT1503ZZR234	F402/32	€ 74,20
25 mm	25 mm	2	35 mm	200 mm	T15/40 KV400	ADLT1503ZZR234	F402/25L	€ 80,20
32 mm	25 mm	3	35 mm	200 mm	T15/40 KV400	ADLT1503ZZR234	F402/32L	€ 103,00



F401-

FACE MILLING CUTTER



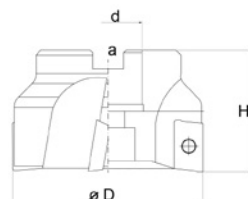
90°

D	MT	Z	L1	L2	Screw	Insert (not included)	Art.	€
25 mm	3	2	44 mm	130 mm	T15/40 KV400	ADLT1503ZZR234	F401/25	€ 65,60
32 mm	3	3	44 mm	130 mm	T15/40 KV400	ADLT1503ZZR234	F401/32	€ 80,20
40 mm	3	4	44 mm	130 mm	T15/40 KV400	ADLT1503ZZR234	F401/40	€ 87,80
40 mm	4	4	44 mm	153 mm	T15/40 KV400	ADLT1503ZZR234	F401/40CM4	€ 103,00



F400-

FACE MILLING CUTTER



90°

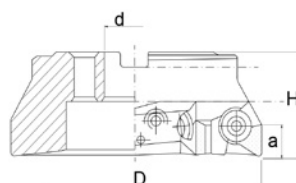
D	H	a	d	Z	Screw	Insert (not included)	Art.	€
40 mm	40 mm	8,4 mm	16 mm	4	T15/40 KV400	ADLT1503ZZR234	F400/040	€ 102,00
50 mm	40 mm	10,4 mm	22 mm	5	T15/40 KV400	ADLT1503ZZR234	F400/050	€ 137,00
63 mm	40 mm	10,4 mm	22 mm	6	T15/40 KV400	ADLT1503ZZR234	F400/063	€ 156,00
80 mm	50 mm	12,4 mm	27 mm	7	T15/40 KV400	ADLT1503ZZR234	F400/080	€ 201,00
100 mm	50 mm	14,4 mm	32 mm	8	T15/40 KV400	ADLT1503ZZR234	F400/100	€ 246,00



FACE MILLING

F256-

90°



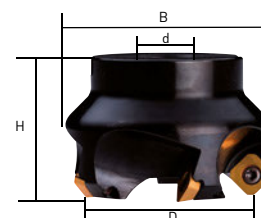
D	H	a	d	Z	Insert (not included)	Art.	€
40 mm	44 mm	16 mm	16 mm	3	TPKN1603R25	F256/040	€ 160,00
50 mm	44 mm	16 mm	22 mm	3	TPKN1603R25	F256/050	€ 166,00
63 mm	44 mm	16 mm	22 mm	3	TPKN1603R25	F256/063	€ 179,00
80 mm	52 mm	22 mm	27 mm	4	TPKN2204R25	F256/080	€ 184,00
100 mm	52 mm	22 mm	32 mm	5	TPKN2204R25	F256/100	€ 238,00



FACE MILLING CUTTER

F303-

45°



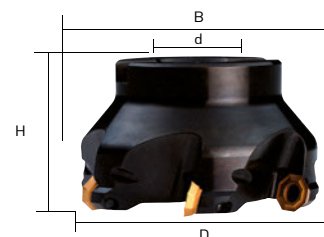
D	H	B	d	Z	Screw	Insert (not included)	Art.	€
40 mm	45 mm	53 mm	16 mm	3	T20/50 KV500	SEHX1204234 / SEHT1204AFN234	F303/040	€ 117,00
50 mm	48 mm	60 mm	22 mm	4	T20/50 KV500	SEHX1204234 / SEHT1204AFN234	F303/050	€ 131,00
63 mm	50 mm	76 mm	22 mm	5	T20/50 KV500	SEHX1204234 / SEHT1204AFN234	F303/063	€ 153,00
80 mm	50 mm	93 mm	27 mm	5	T20/50 KV500	SEHX1204234 / SEHT1204AFN234	F303/080	€ 183,00
100 mm	50 mm	113 mm	32 mm	6	T20/50 KV500	SEHX1204234 / SEHT1204AFN234	F303/100	€ 216,00
125 mm	60 mm	138 mm	40 mm	7	T20/50 KV500	SEHX1204234 / SEHT1204AFN234	F303/125	€ 316,00



FACE MILLING CUTTER

F308-

43°



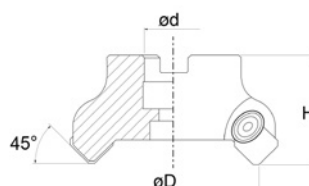
D	H	L2	d	Z	Screw	Insert (not included)	Art.	€
63 mm	40 mm	68 mm	22 mm	5	T15/40 KV400	OFEX05T305234	F308/063	€ 217,00
80 mm	50 mm	86 mm	27 mm	6	T15/40 KV400	OFEX05T305234	F308/080	€ 280,00
100 mm	50 mm	106 mm	32 mm	7	T15/40 KV400	OFEX05T305234	F308/100	€ 356,00



FACE MILLING CUTTER

F406-

45°



D	H	a	d	Z	Screw	Insert (not included)	Art.	€
40 mm	45 mm	8,4 mm	16 mm	3	WSSP - VT00440	SEKN1203AFN25	F406/40	€ 161,00
50 mm	45 mm	10,4 mm	22 mm	4	WSSP - VT00440	SEKN1203AFN25	F406/50	€ 168,00
63 mm	45 mm	12,4 mm	22 mm	5	WSSP - VT00440	SEKN1203AFN25	F406/63	€ 179,00
80 mm	50 mm	14,4 mm	27 mm	5	WSSP - VT00440	SEKN1203AFN25	F406/80	€ 207,00
100 mm	50 mm	16,4 mm	32 mm	6	WSSP - VT00440	SEKN1203AFN25	F406/100	€ 266,00



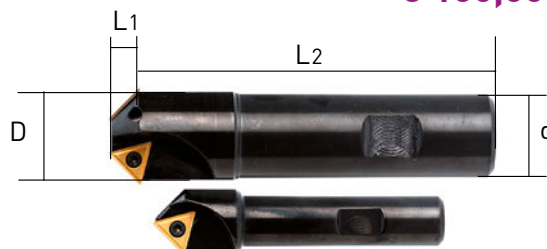
INSERTS COUNTER SINKS SET

F307/16/22

€ 160,00

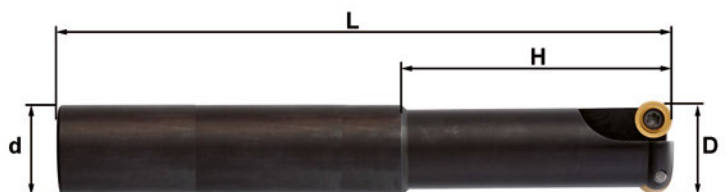
45°

D	16 / 22 mm
d	12 / 20 mm
L1	7 mm
L2	90 / 100 mm
Z	1 / 2
Screw	T8/25 KV250
Insert (not included)	TCMT110204N



COPING END MILL

F405-



D	d	H	L	Z	Screw	Insert (not included)	Art.	€
25 mm	25 mm	55 mm	200 mm	2	T15/40 KV400	RDHT10T3MO-N	F405/25	€ 74,20
32 mm	32 mm	55 mm	200 mm	3	T15/40 KV400	RDHT10T3MO-N	F405/32	€ 103,00



COPING END MILL

F404-

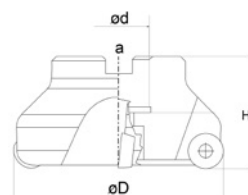


D	MT	H	L	Z	Screw	Insert (not included)	Art.	€
25 mm	3	44 mm	130 mm	2	T15/40 KV400	RDHT10T3MO-N	F404/25	€ 60,70
32 mm	3	44 mm	130 mm	3	T15/40 KV400	RDHT10T3MO-N	F404/32	€ 76,70
40 mm	3	44 mm	130 mm	3	T15/40 KV400	RDHT10T3MO-N	F404/40	€ 89,70



FACE MILLING CUTTER

F403-



D	H	a	d	Z	Screw	Insert (not included)	Art.	€
40 mm	40 mm	8,4 mm	16 mm	3	T15/40 KV400	RPMT1204N	F403/40	€ 109,00
50 mm	42 mm	10,4 mm	22 mm	4	T15/40 KV400	RPMT1204N	F403/50	€ 142,00
63 mm	45 mm	10,4 mm	22 mm	5	T15/40 KV400	RPMT1204N	F403/63	€ 169,00
80 mm	50 mm	12,4 mm	27 mm	6	T15/40 KV400	RPMT1204N	F403/80	€ 201,00
100 mm	50 mm	14,4 mm	32 mm	6	T15/40 KV400	RPMT1204N	F403/100	€ 238,00

MILL SCREW
080/125

F256/648

€ 13,70



BASE

WSSP

€ 9,30

MILL SCREW
040/063

F256/644

€ 7,70

5PCS MILL
SCREWS

VT00440

€ 22,70





Compatible chucks	€	F302/040	F302/050	F302/063	F302/080	F302/100	F304/063	F304/080	F400/040	F400/050	F400/063	F400/080	F400/100	F256/040	F256/050	F256/063	F256/080	F256/100	F303/040	F303/050	F303/063	F303/080	F303/100	F303/125	F308/063	F308/080	F308/100	F406/40	F406/50	F406/63	F406/80	F406/100	F403/40	F403/50	F403/63	F403/80	F403/100	Pag		
16/CM3	99,00	•							•					•					•										•					•					198	
16/CM4	99,00	•							•					•					•										•					•					198	
22/CM3	99,00		•	•			•			•	•				•	•				•	•					•				•	•				•	•			198	
22/CM4	99,00		•	•			•			•	•				•	•				•	•					•				•	•					•	•			198
27/CM3	99,00				•			•				•					•					•				•						•					•			198
27/CM4	99,00				•			•									•					•				•						•					•			198
16A40	106,00	•							•					•					•										•					•						195
22A40	106,00		•	•			•			•	•				•	•				•	•					•				•	•				•	•				195
27A40	106,00				•			•				•					•					•				•						•				•				195
32A40	118,00					•							•					•					•				•						•					•		195
16A50	147,00	•							•					•					•										•					•						195
22A50	147,00		•	•			•			•	•				•	•				•	•					•				•	•				•	•				195
27A50	147,00				•			•				•					•					•				•						•					•			195
32A50	157,00					•							•					•					•				•						•					•		195
40A50	171,00																						•																	195
16/B40	117,00	•							•					•					•										•					•						197
22/B40	117,00		•	•			•			•	•				•	•				•	•					•				•	•				•	•				197
27/B40	117,00				•			•	</																															

[illegible][illegible]