

# OPERATION AND MAINTENANCE MANUAL



**Drill Press**  
**Art. 0750**



ORIGINAL INSTRUCTIONS

## PREFACE



**Please ensure you have read this manual before operation**

### **TRANSLATION OF THE ORIGINAL INSTRUCTIONS**

Reading this instruction manual is required before operating any of the machinery. The guarantee that the machine will function and perform properly is strictly dependent upon the application of all the instructions contained in this manual.



### **Operator Qualifications**

The workers responsible for the use of this machine must have all the necessary information and instruction and should be given adequate training in relation to safety regarding:

- a) Conditions of use for the equipment;
- b) Foreseeable abnormal situations, pursuant to Article 73 of Legislative Decree 81/08.

*We guarantee the Machine complies with the specifications and technical instructions described in the Manual on the date of issuance and listed herein; On the other hand, the machine may also be subject to important technical changes in the future, without the manual being updated.*

*Therefore, contact FERV I for information about modifications that may have been implemented.*



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fervi.com



# 1 INTRODUCTION

This manual is considered an integral part of the machine it was attached to at the time of purchase.

The manufacturer reserves the material and intellectual property rights of this publication and prohibits the disclosure and copying of any part herein without prior written consent.

The purpose of this manual is to provide the knowledge necessary for the use and maintenance of the drill press machine, and create a sense of responsibility and an understanding of the capabilities and limitations of the means entrusted to the operator.

As the machine requires an operator, it is entrusted to experienced and skilled operators; therefore, the following machine must be perfectly known by its operator if it is to be used safely and effectively.

Operators must be properly trained and prepared, so make sure that this manual is read and consulted by the staff responsible for commissioning, operating and maintaining the **Drill presses**. This is to make all operations the safest and most effective possible for those who carry out these tasks.

Therefore, it is imperative to strictly comply with the requirements in this manual, a necessary condition for safe and satisfactory operation of the machine.

Prior to installation and use of the **Drill presses**, the authorized personnel shall:

- read this technical document carefully;
- know which protections and safety devices are available on the machines, their location and how they work.

It is the responsibility of the buyer to ensure that users are properly trained, that they are aware of all the information and instructions in this document and that they are aware of the potential risks that exist while working with the **Drill presses**.

***The manufacturer waives any and all responsibility for damage to people and/or things caused by non-observance of the instructions in this manual.***

The **Drill presses** have been designed and built with mechanical guards and safety devices designed to protect the operator/user from possible injury. It is strictly forbidden to modify or remove guards, safety devices and caution labels. If you do so temporarily (for example, for the purposes of cleaning or repair), make sure that no one can use the machine.

***Modifications to the machines carried out by the user must be considered their sole responsibility, therefore the manufacturer declines all responsibility for any damage caused to persons and/or property resulting from maintenance performed by unqualified personnel and in a manner different from the operating procedures shown below.***

### Graphic representation of safety, operational and risk warnings

The following boxes are designed to attract the attention of the reader / user for the **proper** and **safe** use of the machine:



#### **Pay Attention**

This highlights behavioural rules to prevent damage to the machine and/or the occurrence of dangerous situations.



#### **Residual Risks**

This highlights the presence of dangers that cause residual risks to which the operator must pay attention in order to avoid injury or damage to property.

### **1.1 Preface**

For safe and easy operation of the machine, this manual must be read carefully in order to acquire the necessary knowledge. In other words, durability and performance are strictly dependent on how it is used.

Follow the instructions contained herein, in addition to the general precautions to be observed while working. Even if the operator is already familiar with the use of lifting equipment, it is necessary to:

- Acquire full knowledge of the lifting platform.
- Read this manual carefully to understand: operation, safety devices and all necessary precautions. All this is to allow safe use of the machine.
- Wear appropriate clothing for the job.
- The operator must wear appropriate clothing to prevent the occurrence of unforeseen accidents.
- Take proper care of the lifting platform.



#### **Machine operation**

The machine must only be used by qualified personnel trained to use the machine by authorized personnel.



## 2 SAFETY WARNINGS

### 2.1 General safety regulations



#### **Accident**

- The operation of drilling or tapping always presents a risk of injury associated with the possibility of accidental contact of parts of the body with the tool in motion, detachment of splinters from the workpiece, tool breakage, or ejection of a badly blocked piece.
- There is no "intrinsic" means of safety, just as there is no worker who, while careful, can "always" avoid an accident. Therefore, DO NOT underestimate the risks associated with using the machine and concentrate on the work in progress.



#### **Risks related to Using the Machine**

Although machines like this are not to be considered particularly dangerous, it is important not to underestimate the risks associated with the use of the machine and concentrate on the work that is taking place.



#### **Risks related to Using the Machine**

Despite the implementation of all safety devices for safe use of the machine, it is necessary take note of all the requirements for the prevention of the accidents reported in various parts of this manual.



#### **Risks related to Using the Machine**

Every person who is responsible for the use and maintenance of the machine should have first read the instruction manual, particularly the chapter on safety information.

It is recommended that the plant safety manager get written confirmation of the above.



#### **Operator Protection**

Before starting any work on the machine, the operator must wear the appropriate personal protective equipment (PPE) such as gloves and eye protection (see section 6.6 of this manual).



## **Risks related to Using the Machine**

- Work carried out in the electrical system of the machine must be carried out only by authorized personnel.
- One must know where the power supply lines are positioned, both internally and externally, and maintain a certain distance from them.
- If one hears unusual noises, or feel something strange, check and immediately repair.
- Do not modify the electrical system in any way. Any attempt in this regard may jeopardize the operation of precision devices that are electrically incorporated into the working machine, causing malfunction or accident.
- During all phases, proceed with great caution in order to avoid damage to persons, property or the machine itself.

1. Always check the efficiency and integrity of the machine.
2. Before connecting the machine to the mains, make sure that the rotating parts are not damaged or badly worn. Make sure that the switch is in the neutral position.
3. Do not start the machine in an enclosed or poorly ventilated area, or in the presence of a flammable and/or explosive atmosphere. Do not use the machine in damp and/or wet locations, or those exposed to rain.
4. Avoid starting accidentally.
5. Before starting the machine, get used to ensuring that no remaining maintenance and service keys are inserted.
6. Keep the workplace tidy and free from obstruction; disorder causes accidents.
7. Make sure that your work environment is forbidden to children, strangers and animals.
8. Do not perform tasks on the machine other than those for which it was designed. Only use the machine in the manner in which it was intended, as described in this instruction manual.
9. Work without disturbances.
10. Work areas must be well lit.
11. Always wear eye protection and protective gloves while working. If dust is produced, use the appropriate masks.
12. Wear appropriate clothing. Loose clothing, dangling jewelry, long hair, etc., can get caught in the spindle and moving parts, causing irreparable injury.
13. Firmly secure the workpiece before starting the drill.
14. Always use the tool (tip or tap) in an appropriate manner. Perform only the work for which the tool is made. Do not use the tool for inadequate work.
15. Only use suitable resistance tools in relation to the work that is to be done. This is to avoid risky and unnecessary overloading for the operator, which may be harmful for the life of the tools themselves.
16. Do not pick up moving tools or other moving parts. To stop the spindle on the machine, always only use the stop command device.
17. Do not remove the shavings from the table with hands, even at a standstill. To do this, use tongs or a palette knife.
18. When the cutting tools need to be replaced or the speed needs to be changed, stop the motor and wait for the spindle to stop.
19. Do not leave the machine until the spindle and the tool are completely stopped.



20. After the work is completed, clean the tool and check its efficiency.
21. Replace worn and/or damaged parts, check that the repairs and protections work properly before operating. Eventually, if necessary, have it checked by Service staff. Use only original spare parts.
22. **Cut the mains voltage supply of the machine when:**
- the machine is not being operated;
  - it is left unattended;
  - performing maintenance or registration, because the machine does not work properly;
  - the tool is replaced;
  - it is being moved or transported;
  - during cleaning operations.
23. It is recommended that users of this publication, for maintenance and repair, have a basic knowledge of the mechanical principles and procedures inherent in repair technique.
24. **The company safety officer is required to make sure that machine operators have read and understood this manual in its entirety.**
25. **Management is responsible for safety and verification of the company's risk status according to Legislative Decree 81/08 and subsequent modifications and amendments.**

## 2.2 2.1 General Electric Power Tool Safety Standards



### Risks related to Using the Machine

1. Do not modify the electrical system in any way. Any attempt in this regard may jeopardize the operation of electrical devices, causing malfunction or accident.
2. Work carried out in the electrical system of the machine must, therefore, be carried out only by qualified and authorized personnel.
3. If one hears unusual noises, or feels something strange, immediately stop the machine. Then carry out an inspection and, if necessary, perform any repairs as required.

1. Read this manual carefully, and then work safely.
2. Keep guards and protections in the correct position for safety.
3. Keep the workplace tidy; disorder causes accidents.
4. Do not perform tasks on the machine other than those for which it was designed.
5. Avoid starting accidentally.
6. Before starting the machine, get used to ensuring that no remaining maintenance keys are inserted.
7. **Unplug the power cord of the machine from the AC outlet when you perform maintenance or adjustments.**
8. It is recommended that users of this publication, for maintenance and repair, have a basic knowledge of mechanical principles and procedures inherent in repair technique.
9. Remain balanced whilst working.
10. Wear appropriate clothing. Loose clothing and jewelry can get caught in moving parts, causing irreparable injury.
11. Make sure that the work environment is forbidden to children and non-employees.
12. Replace worn or damaged parts, check that the repairs and protection work correctly before operating.
13. Do not lean on tools, accidental falls can cause injuries.
14. Do not pick up moving tools.
15. Do not leave the machine until the machine has completely stopped.
16. **Management responsible for safety is to establish that the staff responsible for using the machine has read and understood this manual in its entirety.**
17. **Management is responsible for safety and verification of the company's risk status according to Legislative Decree**

## 2.3 Technical Support

For any problems or concerns, please contact, without hesitation, the dealer from whom you purchased the machine, who has competent and specialized staff, specific equipment and spare parts.

## 2.1 Other provisions

### **It is forbidden to tamper with safety devices**

The first thing to do when starting work is to check the presence and integrity of the protections and the operation of the safety devices.

**If any defect is detected, do not use the drill press.**

***Even more so, it is strictly forbidden to modify or remove guards, safety devices, labels and indication signs.***



### 3 TECHNICAL SPECIFICATIONS

Overall dimensions	Height (mm)	980
	Width (mm)	290
	Depth (mm)	640
Mass	Net mass (kg)	60
	Gross mass (kg)	70
Nominal Values	Rated voltage (V/Hz)	230/50.
	Power (W)	750
General Characteristics	Spindle travel (mm)	80
	Spindle travel distance (mm)	178
	Sleeve (mm)	Ø 47
	Spindle (mm)	Ø 16 CM2
	Column (mm)	Ø 80
	Spindle-base distance (mm)	650
	Speed (r/min)	180- 2740
	Acoustic emission (dB(A))	65.5

## 4 ASSEMBLING THE MACHINE

### 4.1 Major Components



Figure 1 – Main parts of the machine.

<b>1</b>	Drive head
<b>2</b>	Screw connection
<b>3</b>	(CC) Work table
<b>4</b>	(DD) Column

<b>5</b>	(EE) Rack
<b>6</b>	(BB) Sub-base
<b>7</b>	Screw connection
<b>8</b>	(AA) Base



To assemble the Drill Press, follow these steps:



### Staff Required

The assembly must be carried out by at least two people.



### Clean the Machine

Before starting assembly, clean the protective product from the machine's components.

1. Attach the rack (EE) to the column (DD);
2. Place the Sub-base (BB) onto the Base (AA) and attach the two parts using the bolts;
3. Attach the work table (CC) to the column (DD) and then onto the rack (EE), by turning the crank handle on the table;
4. Put the Column (DD) on the Sub-base (BB), and tighten the bolt;
5. Secure the Drive Head on the Column (DD) using the fixing screws.
6. Tighten the knobs on each feed handle and install them in the pinion shaft hub;

#### 4.1.1 Installation of the Shaft and the Spindle

1. Carefully clean the taper of the drill and the spindle shaft;
2. Insert the spindle shaft. Push the handle down forward to push the shaft toward the inside;
3. Fully open the chuck jaws by turning the wrench counter-clockwise until it stops;
4. Put a piece of scrap wood on the table to protect the tip of the spindle;
5. Install the spindle firmly in the shaft.

#### 4.1.2 Installation of the Spindle Guard

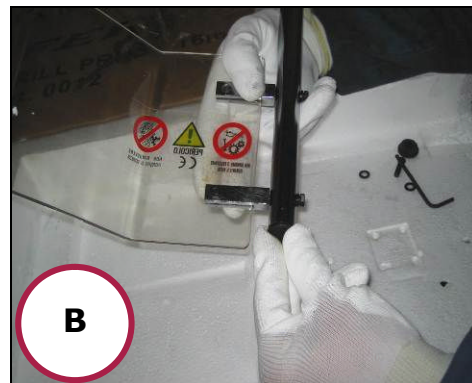
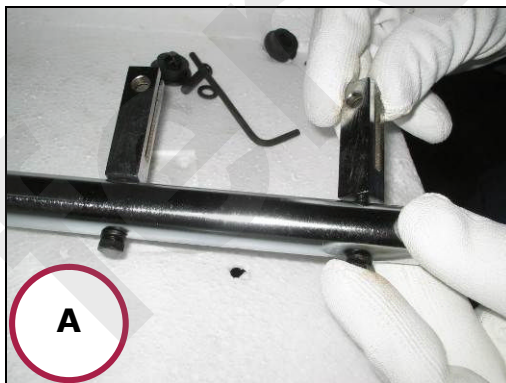


Figure 2 – Application of the brackets (A) – Insert the guard (B).



### Assembling the Guard

The spindle guard must be mounted so that the stickers remain on the outside and are readable, so that they can be seen properly by the operator while using the machine.

- Place the rod inside the box containing the safety micro switch;
- Adjust the height and the opening direction so that the upper projection of the rod fits perfectly into the slot of the lid, when the guard is closed.

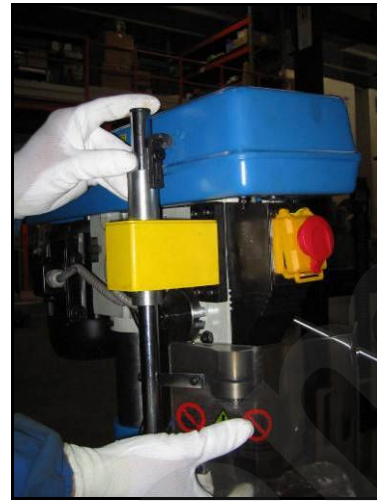
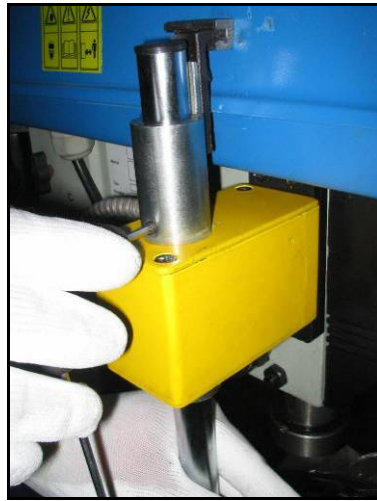


Figure 3 – Installation of the Rod Carrying the Guard.



Figure 4 – Fitting and Adjusting the End of the Rod.

- Secure the support rod carrying the guard to the head of the drill;
- The mechanical stop has a fine adjustment to better position it inside the slot of the pulley housing.



## 5 MACHINE ELEMENTS

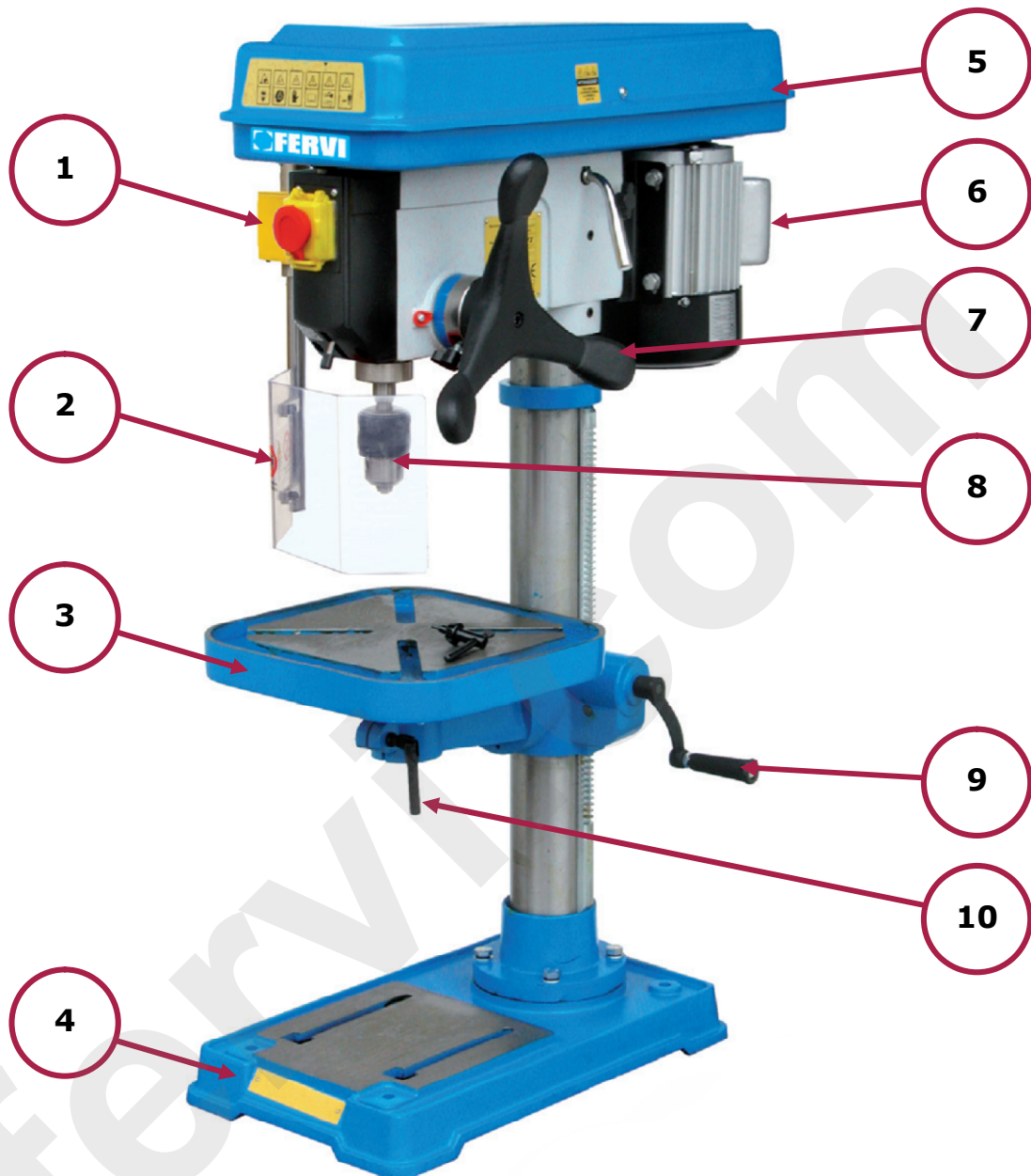



Figure 5 – Overview.

<b>1</b>	Controls	<b>6</b>	Electric motor;
<b>2</b>	Spindle protector	<b>7</b>	Hand wheel spindle;
<b>3</b>	Work table	<b>8</b>	Spindle;
<b>4</b>	Drill base	<b>9</b>	Adjustable crank for table height;
<b>5</b>	Protective cover for the timing belt	<b>10</b>	Adjustable lever for the vice

## 5.1 Nameplate

The following Nameplates are present on the Machine

Fabbricante	FERVI S.r.l. Via del Commercio 81 41058 Vignola MO	
Marca		
Tipo	TRAPANO DA BANCO	
Modello	0750	
Lotto n°		
Anno	2013	
Potenza	750	W
Tensione	230	V
Frequenza	50	Hz
Velocità	180-2740	giri/min



  
 Made in PRC  




Figure 6 – Identification Plate.



## 5.2 PICTOGRAMS



**NON RIMUOVERE I DISPOSITIVI DI SICUREZZA**  
E' SEVERAMENTE VIETATA LA RIMOZIONE E LA OMISSIONE DOLOSA  
D.Lgs. 81/08

**230 Volt**

**ATTENZIONE!**  
**TOGLIERE LA CORRENTE PRIMA DI APRIRE IL CARTER**

**ATTENZIONE**

- Leggere attentamente le istruzioni prima di utilizzare la macchina.
- Per qualsiasi lavoro di regolazione o manutenzione, prima di intervenire sulla macchina, togliere la spina dalla presa di corrente.
- Prima di operare, fissare saldamente alla tavola il pezzo da lavorare.
- Non avvicinare le mani all'utensile mentre è in movimento.
- Prima di avviare la macchina verificare che la chiave di serraggio del mandrino sia stata disinserita.
- Indossare sempre occhiali e guanti antinfortunistici adeguati.
- Non indossare abiti ampi, cravatte, collane, bracciali e raccogliere i capelli lunghi perché potrebbero essere agganciati dalle parti in movimento.
- Non rimuovere o disattivare dispositivi di sicurezza.
- Per altre indicazioni sulla sicurezza, si consiglia la consultazione del manuale istruzioni.

**ATTENZIONE**

**E' VIETATO ESEGUIRE LAVORI SU APPARECCHIATURE ELETTRICHE SOTTO TENSIONE**

- EVENTUALI DEROGHE DEVONO ESSERE AUTORIZZATE DAL CAPO RESPONSABILE
- IN CONDIZIONI DI PARTICOLARE PERICOLO DEVE ESSERE PRESENTE UN'ALTRA PERSONA OLTRE A CHI ESEGUE IL LAVORO

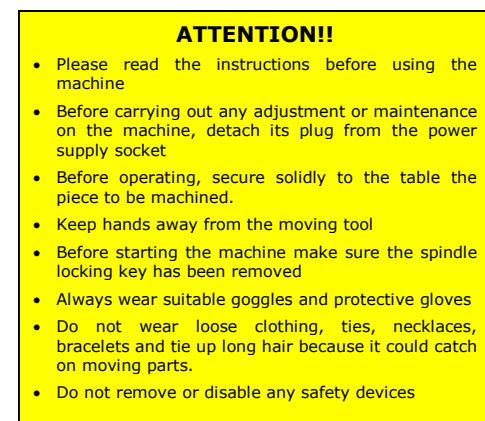
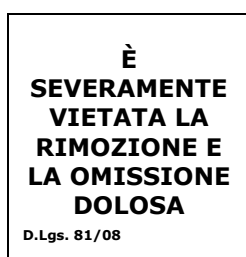
**INIZIARE I LAVORI SOLO AD AVVENUTA ATTUAZIONE DELLE MISURE DI SICUREZZA**  
in ottemperanza al D. Lgs. 81/08 relativo alla prevenzione infortuni

**PICTOGRAMS:**

- Prohibition of safety device removal (gears with a red circle and slash).
- High voltage (lightning bolt in a triangle).
- Attention (exclamation mark in a triangle).
- Eye protection (goggles in a triangle).
- Read the manual (open book in a triangle).
- Electrical safety (lightning bolt in a triangle).
- Personal protective equipment (PPE) icons: eye protection, gloves, and safety shoes.

# PLATE IN ITALIAN

# PLATE IN ENGLISH





## 6 SWITCHES AND CONTROL LEVERS

### 6.1 Control Buttons

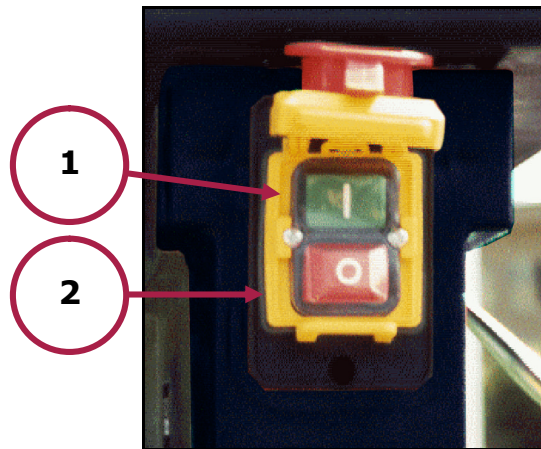


Figure 7 – Control Buttons.

**1** Start Buttons

**2** Stop Buttons

#### Start Buttons

To start the machine and the rotating tip, press the button on the side.



Figure 8 – Start.

#### Stop Buttons

To stop the machine and the rotating tip, press the button on the side.



Figure 9 – Stop.

#### Emergency Button

Before starting work, always make sure that the red safety cap is always lowered. When pressure is applied, the stop button is pressed and the machine stops.

Press this button in case of emergency.



Figure 10 – Emergency.



### Checking the Emergency Button

Before starting any work on the machine, the operator must ensure that the emergency stop button functions.



## **In Case of an Emergency**

In an emergency, press the red emergency button to stop the machine.



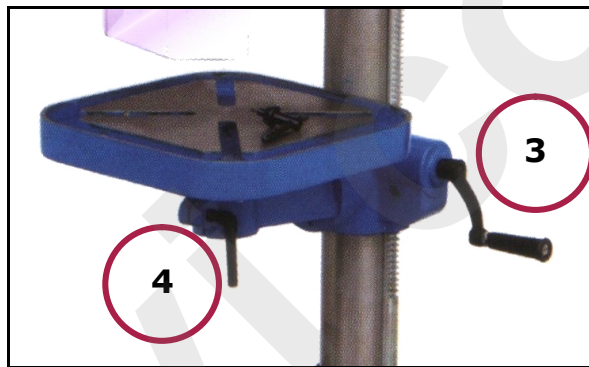
## **Danger of Injury**

After pressing the emergency shut down button, the spindle continues to rotate for a few seconds, wait until it is completely stopped before you place your hands near the workpiece or the tool.

## **6.2 Control Levers**

Crank 3 allows for the height adjustment of the table. To adjust see chapter 8.1.

Crank 4, if rotated in a clockwise direction, locks the table; if vice versa and the crank is rotated counterclockwise, the table is unlocked.



**Figure 11 – Activating the Table.**

The steering wheel allows for the vertical displacement of the spindle and, therefore, the advancement of the tool needed for the machine to work.



**Figure 12 – Activating the Spindle**



## 7 OPERATION

The drill press is a very easy machine to use. It functions by making holes in metal parts.



### Using the Machine

The drill press should be used only with tools for processing holes (drill bits, countersinks and equivalents).



### Risk of Crushing

Before using the machine, make sure that the base is fixed to the floor to prevent movement or loss of stability.

The machine is used as follows:

- Lift the work table to the desired height via the appropriate crank;
- The operating speed of the machine is changed via the transmission belt;
- Secure the workpiece on the table;
- Press the green button (1) to turn on the machine and rotate the spindle;
- Lower the spindle with the wheel located on the right side of the drill;
- When done, lift the spindle with the wheel and then turn the machine off with the red button (2).



### Danger of Injury

The workpiece must be firmly fixed to the table (with the vice) while operating the machine. Never is the workpiece to be held in place with one's hands.



### Danger of Injury

After stopping the machine, the spindle continues to rotate for a few seconds, wait until it is completely stopped before you place your hands near the workpiece or the tool.

## 8 ADJUSTING THE MACHINE

### 8.1 Adjusting the Table

Adjustment of the work table is only carried out vertically through the following operations:

- Loosen the lever under the table (4);
- Raise the table by moving the crank handle (3) up to the desired height;
- Tighten the knob positioned under the table (4).

### 8.2 7.2 Adjusting the Drilling Depth

To control the depth of drilling, it is necessary to lower the tip of the chuck assembly to the desired depth.

### 8.3 Adjusting the Speed

To adjust the speed of the machine, proceed as follows:

- Loosen the handle on the engine mounting.
- Open the handle guard in order to unlock the protected pulley housing.
- Open the protective cover of the drive belt;



Figure 13 – Handle.

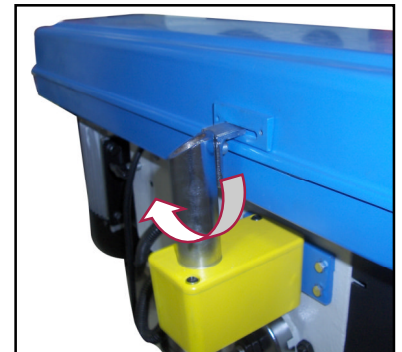


Figure 14 – Locked Pulley Housing.



Figure 15 – Open Housing.



- Set the drilling speed by selecting one of the five positions of the belt;



Figure 16 – Pulley Housing.

- Adjust the belt tension by pushing the motor backwards;
- Tighten the handle securely and close the protective cover;
- To restart the drill, it is necessary to close the spindle guard, which locks the protective cover on the pulley housing, and press the start button.

## 9 MACHINE SAFETY

### 9.1 Grounding

In case of malfunction or breakdown, grounding provides a path of least resistance for the electrical current that reduces the danger of electrical shock. The tool is equipped with a power cord with ground conductor and plug. The plug must be plugged into an appropriate outlet and installed on the ground according to the regulations.

**Never change the plug provided for any reason.** If it will not fit the outlet, entrust a qualified electrician to install the proper outlet.



#### **Electric Shock**

Incorrectly connecting the conductor to the tool's grounding system can cause the risk of electric shock.

If the electric cord or plug need to be repaired or replaced, do not connect the conductor to tool's grounding system to a live terminal.

Connect the machine to a grounded electrical system and suitable device for the automatic disconnection of the power supply.

**If you do not understand the instructions for grounding or if you doubt the exact grounding of the machine, check with a qualified electrician.**

**Repair or replace damaged or worn cords immediately.**

**Reconnection must take place in accordance with regulations.**

### 9.2 SAFETY DEVICES

#### **INTERLOCKING MOVEABLE GUARD**

This device prevents contact between the operator and the moving spindle while the drill is operating.



Figure 17 – Spindle Guard.



### PULLEY HOUSING LOCK

This device locks the opening of the pulley housing so that the spindle guard stays closed and it is possible to start the drill. Opening the housing is done via the safety micro switch, which stops power to the Drill's motor.



Figure 18 – Locking the Pulley Housing.



### Checking the Safety Devices

Each time the Drill is used, check that the devices function well; if they do not function, do not use the machine.



### Danger of Injury

After opening the guard, the spindle continues to rotate for a few seconds, wait until it is completely stopped before placing hands near the workpiece or the tool.

## 10 MAINTENANCE

### 10.1 Routine maintenance

With a compressor, routinely blow away the dust that accumulates inside the motor and the pieces of metal remaining on the table and on the tip.



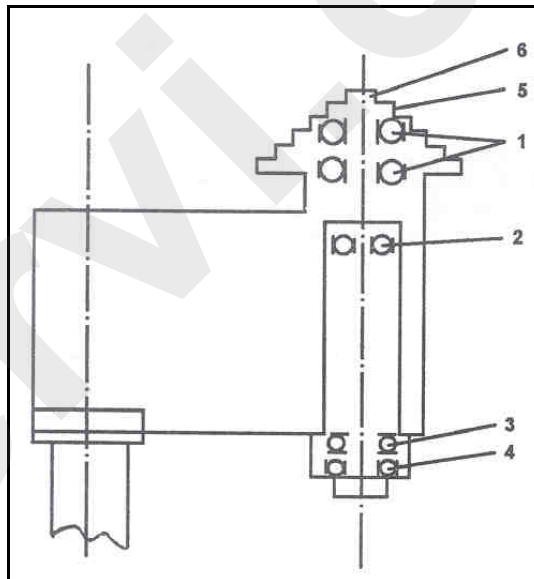
#### Worn Power Cable

Immediately replace the power cable when you notice that it is worn, cut or damaged.

**Every 50 hours, or every 5 days,** lubricate the gear mechanism, the rack that lifts the table and the grooves of the spindle with oil.

**Every 300 hours or every 6 months during the life of the machine,** a thorough check of operation, and wear and tear on the machine is to be carried out by a qualified technician. Lubricate bearings 3 and 4 with oil.

**Every 600 hours or every year during the life of the machine ,** lubricate bearings 1-2 by removing the pulley.



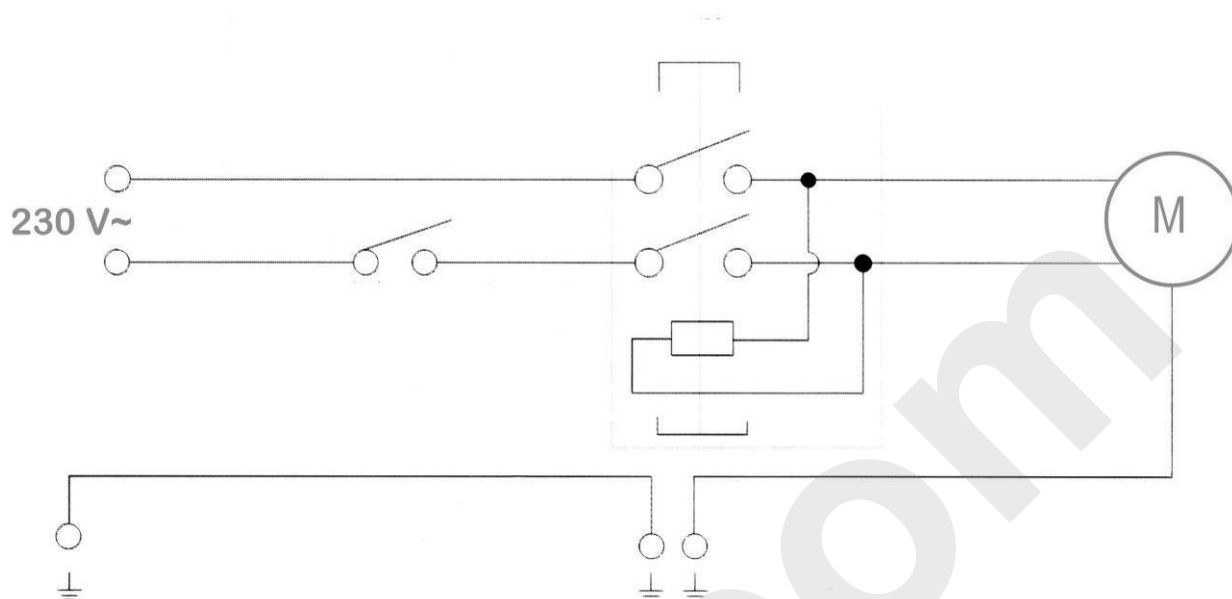
Spindle bearings.



## 11 TROUBLESHOOTING

PROBLEM	PROBABLE CAUSE	SOLUTION
Noisy operation.	A) Incorrect belt tension. B) Dry spindle. C) Loose Pulley. D) Loose belt. E) Broken bearing.	A) Adjust the tension. B) Remove the spindle sleeve and lubricate. C) Tighten the pulley. D) Adjust the belt tension. E) Replace the bearing.
Excessive wobbling of the spindle.	A) Loose spindle. B) Worn spindle shaft or bearings. C) Broken spindle.	A) Tighten the spindle shaft. B) Replace the spindle shaft or bearings. C) Replace the spindle.
The motor will not start.	A) Electrical power supply. B) Motor connection. C) Switch connections. D) Burnt motor windings. E) Broken switch.	A) Check the mains power supply. B) Check the motor connection. C) Check the switch connections. D) Replace the motor. E) Replace the switch.
The tip is jammed in the workpiece.	A) Excessive forward pressure on the handle. B) Loose belt. C) Loose tip. D) Speed is too fast.	A) Apply less pressure. B) Check the belt tension. C) Tighten the tip. D) Change the speed.
The tip is burning or smoking.	A) Incorrect speed. Revolutions per minute. B) Shavings will not discharge. C) Tip is worn or does not cut the material well. D) Needs lubrication. E) Incorrect feeding pressure.	A) See table speed. B) Clean the tip. C) Check the sharpness and taper. D) Lubricate while drilling. E) Apply less pressure.
Raising the table is difficult.	A) Needs lubrication. B) Bent rack. C) The table is clamped into position.	A) Lubricate with light oil. B) Straighten the rack. C) Loosen the clamp.
The tip vibrates, the hole is not round.	A) Knot in the wood, the tip was sharpened off-center. B) Wrong tip.	A) Sharpen the tip correctly. B) Replace the tip.
Spindle will not stick to the sleeve.	A) Dirt, grease or oil in the morse taper. B) Running in an unauthorized mode.	A) Use detergents (alcohol, etc.) to clean the conical part of the drill and the spindle. B) Drilling causes the failure.

## 12 ELECTRICAL CIRCUIT



## 13 DISPOSAL OF PARTS AND MATERIALS

If the machine is to be scrapped, its parts must be disposed of separately.

The Drill Press is composed of the following materials:

- the head, column, table and base are made of cast iron;
- gears, shafts, bearings, slideways and spindle are made of steel;
- the guard and cable sheaths are made of polymeric material.

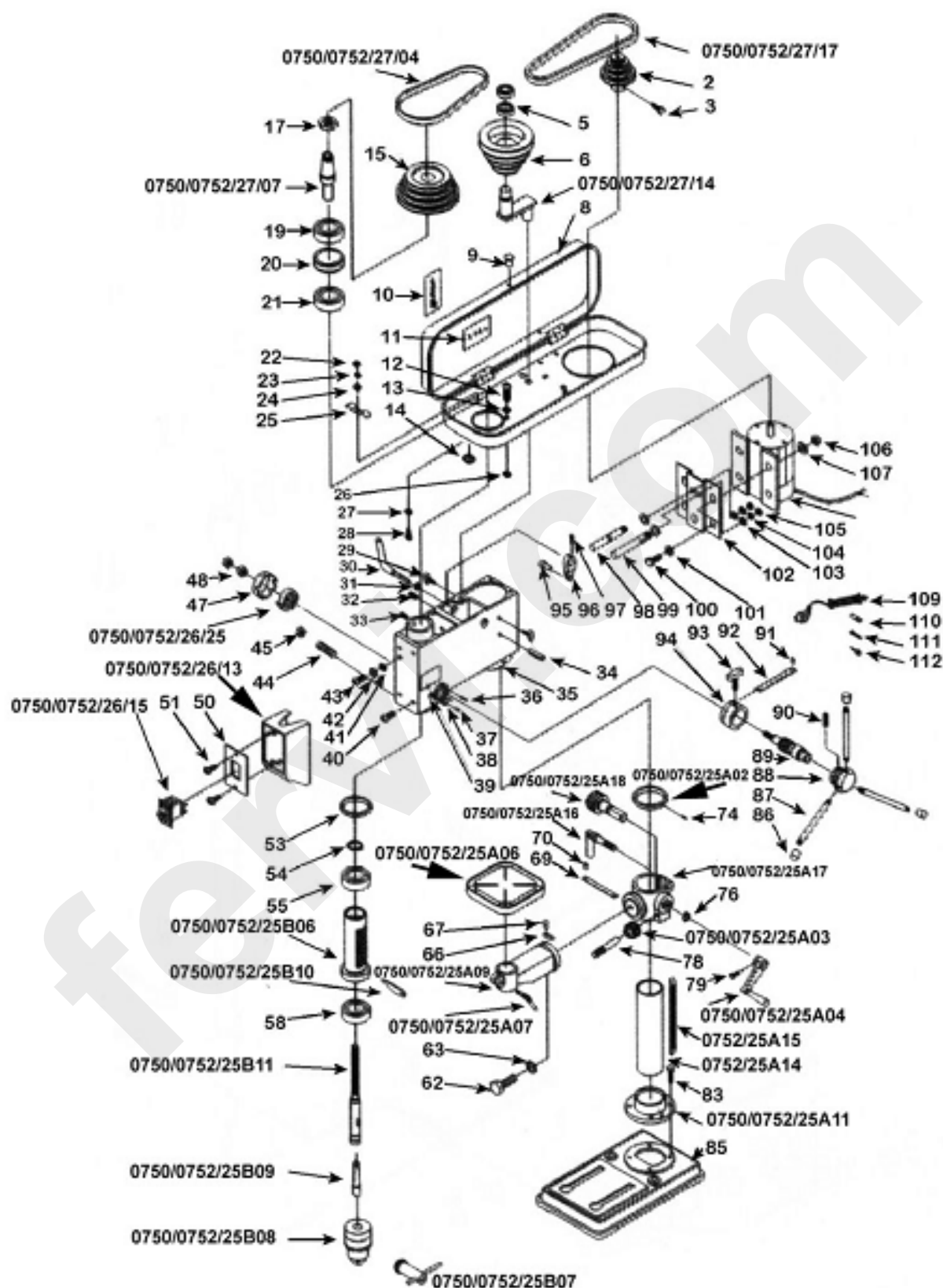


**Respect the Environment!**

Contact a specialist centre for the collection of metallic materials.



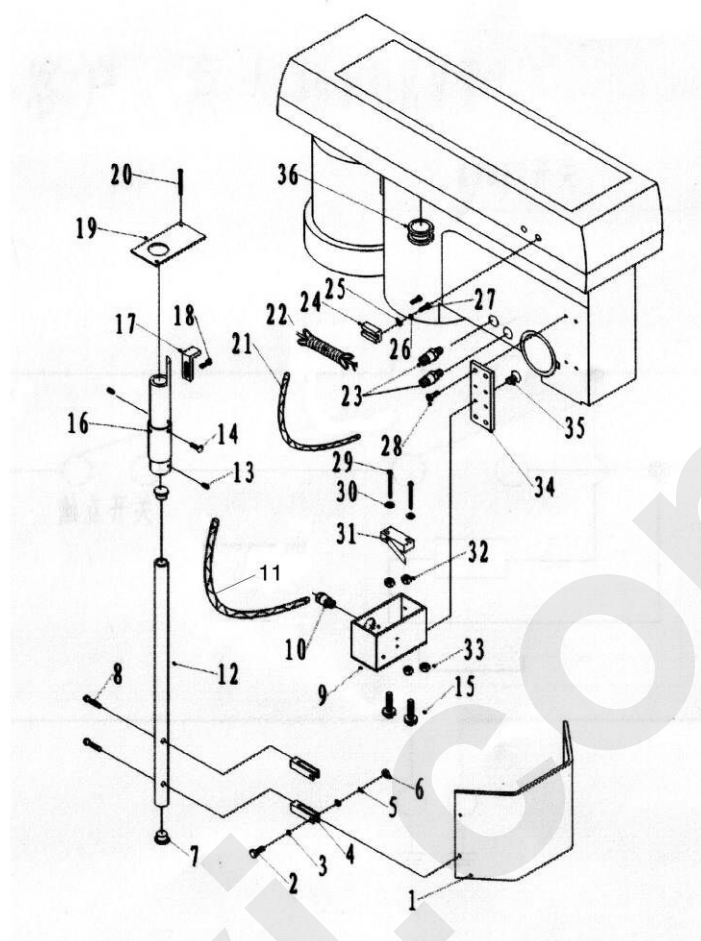
## 14 SPARE PARTS



Ref.	Description	Ref.	Description
0750/0752/27/17	Belt	0750/0752/036	Linchpin
0750/0752/002	Small pulley	0750/0752/037	Rivet
0750/0752/003	Bolt	0750/0752/038	Switch
0750/0752/005	Bearing	0750/0752/039	Warning label
0750/0752/006	Pulley	0750/0752/040	Bolt
0750/0752/27/14	Shaft	0750/0752/041	Washer
0750/0752/008	Pulley housing	0750/0752/042	Locking washer
0750/0752/009	Rivet	0750/0752/043	Bolt
0750/0752/010	Label	0750/0752/044	Bolt
0750/0752/011	Speed label	0750/0752/045	Nut
0750/0752/012	Bolt	0750/0752/26/2 5	Spring
0750/0752/013	Flat washer	0750/0752/047	Spring seat
0750/0752/014	Rubber grommet	0750/0752/048	Nut
0750/0752/015	Shaft pulley	0750/0752/26/1 3	Switch box
0750/0752/27/04	Belt	0750/0752/050	Plate
0750/0752/017	Nut	0750/0752/051	Bolt
0750/0752/27/07	Shaft	0750/0752/26/1 5	Switch
0750/0752/019	Bearing	0750/0752/053	O-ring
0750/0752/020	O-ring	0750/0752/054	Retainer ring
0750/0752/021	Bearing	0750/0752/055	Bearing
0750/0752/022	Nut	0750/0752/036	Shaft seat
0750/0752/023	Locking washer	0750/0752/25B 10	Wedge extractor
0750/0752/024	Flat washer	0750/0752/058	Bearing
0750/0752/025	Mounting plate	0750/0752/25B 11	Shaft
0750/0752/026	Washer	0750/0752/036	Shaft
0750/0752/027	Flat washer	0750/0752/25B 08	Spindle
0750/0752/028	Bolt	0750/0752/062	Bolt
0750/0752/029	Bolt	0750/0752/063	Locking washer
0750/0752/030	Lifting lever	0750/0752/25A 07	Column clamping lever
0750/0752/031	Retainer ring	0750/0752/25A 07	Column clamping vise
0750/0752/032	Bolt	0750/0752/066	Label
0750/0752/033	Bolt	0750/0752/067	Rivet
0750/0752/034	Linchpin	0750/0752/25A	Table



Ref.	Description	Ref.	Description
		07	
0750/0752/035	Cylinder head	0750/0752/069	Graduated scale Incline
0750/0752/070	Rivet	0750/0752/092	Graduated scale depth
0750/0752/25A07	Table lever lock	0750/0752/093	Bolt
0750/0752/25A07	Worm	0750/0752/094	End feed separator
0750/0752/25A07	O-ring	0750/0752/095	Lever plate
0750/0752/074	Bearing	0750/0752/096	Lifting lever
0750/0752/25A07	Table support	0750/0752/097	Bolt
0750/0752/076	Retainer ring	0750/0752/098	Adjustment lever
0750/0752/25A03	Pinion	0750/0752/099	Rod
0750/0752/078	Shaft	0750/0752/100	Bolt
0750/0752/079	Bolt	0750/0752/101	Flat washer
0750/0752/25B07	Spindle key	0750/0752/102	Engine mounting plate
0750/0752/25A04	Table raising lever	0750/0752/103	Flat washer
0750/25A15	Rack	0750/0752/104	Locking washer
0750/82	Column	0750/0752/105	Nut
0750/0752/083	Bolt	0750/0752/106	Nut
0750/0752/25A11	Flange	0750/0752/107	Flat washer
0750/0752/085	Base	0750/0752/26/4 3	Motor
0750/0752/086	Knob	0750/0752/109	Electrical cable
0750/0752/087	Moving spindle lever	0750/0752/110	Insulation jacket
0750/0752/088	Lever seat	0750/0752/111	Clamp
0750/0752/089	Shaft	0750/0752/112	Clamp
0750/0752/090	Linchpin		
0750/0752/091	Rivet		



Ref.	Description	Ref.	Description
0750/0752/A01	Spindle guard	0750/0752/A26	Locking washer
0750/0752/A02	Bolt	0750/0752/A34	Mounting plate
0750/0752/A03	Washer	0750/0752/A35	Screw
0750/0752/A04	Clamp guard	0750/0752/A36	Grommet
0750/0752/A05	Washer	0750/0752/SM CA	TOTAL
0750/0752/A06	Nut		
0750/0752/A07	Cap		
0750/0752/A08	Bolt		
0750/0752/A12	Guard rod		
0750/0752/A21	Motor power supply cable		
0750/0752/A22	Power supply cable		
0750/0752/A23	Grommet		
0750/0752/A24	Fixed casing seat		
0750/0752/A25	Flat washer		



## 15 DRILL PRESS ACCESSORIES

	ACCESSORIES (in a separate box)	PARTS/GROUPS
1	Chuck key (see figure below)	1 Group
2	Wedge shaft	1 Group
3	Feeding knobs	3 Parts
4	Regulating know for support table height	1 Group
5	Table support mounting bolt	1 Part
6	Table arm mounting bolt	1 Part
7	Upper pulley cover knob and screw	1 Group
8	Flange screws and washers	1 Group
9	Allen wrenches	1 Group

