



DRAPER[®]

230V OSCILLATING **SPINDLE AND BELT SANDER**

98425



UK
CA **CE**

These instructions accompanying the product are the original instructions. This document is part of the product, keep it for the life of the product passing it on to any subsequent holder of the product. Read all these instructions before assembling, operating or maintaining this product.

This manual has been compiled by Draper Tools describing the purpose for which the product has been designed, and contains all the necessary information to ensure its correct and safe use. By following all the general safety instructions contained in this manual, it will ensure both product and operator safety, together with longer life of the product itself.

All photographs and drawings in this manual are supplied by Draper Tools to help illustrate the operation of the product.

Whilst every effort has been made to ensure the accuracy of information contained in this manual, the Draper Tools policy of continuous improvement determines the right to make modifications without prior warning.

1. TITLE PAGE

1.1 INTRODUCTION:

USER MANUAL FOR: 230V Oscillating Spindle and Belt Sander

Stock No: 98425

Part No: OSBS450D

1.2 REVISIONS:

Date first published March 2021.

As our user manuals are continually updated, users should make sure that they use the very latest version.

Downloads are available from: <http://drapertools.com/manuals>

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1.3 UNDERSTANDING THIS MANUALS SAFETY CONTENT:

Warning! – Information that draws attention to the risk of injury or death.

Important – Information that draws attention to the risk of damage to the product or surroundings.

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2. CONTENTS

2.1 TABLE OF CONTENTS

1. TITLE PAGE	
1.1 INTRODUCTION.....	2
1.2 REVISIONS.....	2
1.3 UNDERSTANDING THIS MANUALS SAFETY CONTENT	2
1.4 COPYRIGHT © NOTICE.....	2
2. CONTENTS	
2.1 TABLE OF CONTENTS	3
3. WARRANTY	
3.1 WARRANTY.....	4
4. INTRODUCTION	
4.1 SCOPE.....	5
4.2 SPECIFICATION.....	5
4.3 HANDLING AND STORAGE.....	5
5. HEALTH AND SAFETY INFORMATION	
5.1 GENERAL SAFETY INSTRUCTIONS FOR POWER TOOL USE	6
5.2 OSCILLATING SPINDLE & BELT SANDER SAFETY	7-8
5.3 ADDITIONAL SAFETY INSTRUCTIONS FOR SANDERS.....	8-9
5.4 RESIDUAL RISK.....	9
5.5 CONNECTION TO THE POWER SUPPLY.....	9
6. TECHNICAL DESCRIPTION	
6.1 IDENTIFICATION.....	10
7. UNPACKING AND CHECKING	
7.1 PACKAGING	11
7.2 WHAT'S IN THE BOX	11
8. PREPARING THE SANDER	
8.1 TOOL HOLDERS	12
8.2 BOBBIN STORAGE.....	12
8.3 INSERTS STORAGE	12
8.4 NO-VOLT ON/OFF SWITCH.....	12
8.5 BENCH MOUNTING	12
9. OPERATION AND USE	
9.1 DUST EXTRACTION	13
9.2 BELT SANDER MODE	13
9.3 TRACKING ADJUSTMENT	14
9.4 SPINDLE SANDER MODE	15
9.5 TABLE TILTING	15
10. MAINTENANCE AND TROUBLESHOOTING	
10.1 MAINTENANCE.....	16
10.2 CLEANING	16
10.3 BRUSH REPLACEMENT	16
10.4 TROUBLESHOOTING	17
11. EXPLANATION OF SYMBOLS	
11.1 EXPLANATION OF SYMBOLS.....	18
12. DISPOSAL	
12.1 DISPOSAL.....	19
DECLARATION OF CONFORMITY.....	ENCLOSED

3. WARRANTY

3.1 WARRANTY

Draper tools have been carefully tested and inspected before shipment and are guaranteed to be free from defective materials and workmanship.

Should the tool develop a fault, please return the complete tool to your nearest distributor or contact:

Draper Tools Limited, Chandler's Ford, Eastleigh, Hampshire, SO53 1YF. England.

Telephone Sales Desk: +44 (0) 8049 4333 or Product Help Line +44 (0) 23 8049 4344.

A proof of purchase **must** be provided with the tool.

If upon inspection it is found that the fault occurring is due to defective materials or workmanship, repairs will be carried out free of charge. This warranty period covering labour is 12 months from the date of purchase except where tools are hired out when the warranty period is 90 days from the date of purchase. The warranty is extended to 24 months for parts only. This warranty does not apply to any consumable parts, any type of battery or normal wear and tear, nor does it cover any damage caused by misuse, careless or unsafe handling, alterations, accidents, or repairs attempted or made by any personnel other than the authorised Draper warranty repair agent.

Note: If the tool is found not to be within the terms of warranty, repairs and carriage charges will be quoted and made accordingly.

This warranty applies in lieu of any other warranty expressed or implied and variations of its terms are not authorised.

Your Draper warranty is not effective unless you can produce upon request a dated receipt or invoice to verify your proof of purchase within the warranty period.

Please note that this warranty is an additional benefit and does not affect your statutory rights.

Draper Tools Limited.

4. INTRODUCTION

4.1 SCOPE

This oscillating spindle sander is a versatile machine allowing various finishing tasks to be undertaken.

4.2 SPECIFICATION

Stock No.	98425
Part No.	OSBS450D
Motor:	
Rated voltage	230V~
Rated frequency	50Hz
Rated input	450W
Revolutions per minute	2000rpm
Oscillations per minute	58
Oscillations stroke length	16mm
Sanding sleeves included	13mmØ x 114mm
.....	19mmØ x 114mm
.....	26mmØ x 114mm
.....	38mmØ x 114mm
.....	51mmØ x 114mm
Table size.....	430 x 410mm, table tilting 220 x 410mm
Table tilt	0-45° tilting section
Belt size	100 x 610mm
Dust extraction outlet	38mm
Max. spindle working height	110mm
Max. spindle height	115mm
Sound pressure level (LpA).....	76dB(A)
Sound power level (LWA)	89dB(A)
Vibration level	<2.5m/s ²
Weight (Nett)	12.9kg

4.3 HANDLING AND STORAGE

- Care must be taken when handling this product.
 - Dropping this power tool could have an effect on its accuracy and could also result in personal injury. This product is not a toy and must be respected.
- Environmental conditions can have a detrimental effect on this product if neglected.
 - Exposure to damp air can gradually corrode components. If the product is unprotected from dust and debris, components will become clogged.
 - If not cleaned and maintained correctly or regularly, the machine will not perform at its best.

5. HEALTH AND SAFETY INFORMATION

5.1 GENERAL SAFETY INSTRUCTIONS FOR POWER TOOL USE

WARNING: Read all safety warnings, instructions, illustrations and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.

Save all warnings and instructions for future reference.

The term “power tool” in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

Work area safety

Keep work area clean and well lit. Cluttered or dark areas invite accidents.

Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. Power tools create sparks which may ignite the dust or fumes.

Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

Electrical safety

Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.

Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.

Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.

Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of electric shock.

When operating a power tool outdoors, use an extension cord suitable for outdoor use. Use of a cord suitable for outdoor use reduces the risk of electric shock.

If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply. Use of an RCD reduces the risk of electric shock.

Personal safety

Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury.

Use personal protective equipment. Always wear eye protection. Protective equipment such as a dust mask, non-skid safety shoes, hard hat or hearing protection used for appropriate conditions will reduce personal injuries.

Prevent unintentional starting. Ensure the switch is in the OFF-position before connecting to power source and/or battery pack, picking up or carrying the tool. Carrying power tools with your finger on the switch or energising power tools that have the switch ON invites accidents.

Remove any adjusting key or wrench before turning the power tool ON. A wrench or a key left attached to a rotating part of the power tool may result in personal injury.

Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.

Dress properly. Do not wear loose clothing or jewellery. Keep your hair and clothing away from moving parts. Loose clothes, jewellery or long hair can be caught in moving parts.

If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used. Use of dust collection can reduce dust-related hazards.

Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore

5. HEALTH AND SAFETY INFORMATION

tool safety principles. A careless action can cause severe injury within a fraction of a second.

Power tool use and care

Do not force the power tool. Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed.

Do not use the power tool if the switch does not turn it ON and OFF. Any power tool that cannot be controlled with the switch is dangerous and must be repaired.

Disconnect the plug from the power source and/or remove the battery pack, if detachable, from the power tool before making any adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.

Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool. Power tools are dangerous in the hands of untrained users.

Maintain power tools and accessories. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.

Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.

Use the power tool, accessories and tool bits, etc. in accordance with these instructions, taking into account the working conditions and the work to be performed. Use of the power tool for operations different from those intended could result in a hazardous situation.

Keep handles and grasping surfaces dry, clean and free from oil and grease. Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.

Service

Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.

5.2 OSCILLATING SPINDLE & BELT SANDER SAFETY

WARNING!

Hold the power tool by insulated handles or gripping surfaces only, because the sanding belt/sheet may contact its own cord. Cutting a "live" wire may make exposed metal parts of the power tool 'live' and could give the operator an electric shock.

Recommendation that the tool always be supplied via a residual current device with a rated residual current of 30 mA or less.

If the replacement of the supply cord is necessary, this has to be done by the manufacturer or his agent in order to avoid a safety hazard.

The warnings, precautions, and instructions discussed in this manual cannot cover all possible conditions and situations that may occur. The operator must understand that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

Do not operate the spindle sander until it is fully assembled and you have read and understood the following instructions and the warning labels on the sander.

Check the condition of the sander. If any part is missing, bent, or does not operate properly, replace the part before using the sander.

Determine the type of work you are going to be doing before operating the sander.

Secure your work. Support the workpiece securely on the table, and hold it with both hands.

Be aware of the direction of feed. Feed the workpiece into the sanding sleeve or belt against the direction of rotation of the sanding sleeve or belt.

5. HEALTH AND SAFETY INFORMATION

Always keep your hands out of the path of the sander and away from the sanding sleeves or belt. Avoid hand positions where a sudden slip could cause your hand to contact the sleeve or belt. Do not reach underneath the workpiece or around the sanding sleeve or belt while the spindle is rotating.

Disconnect the sander after turning off the power switch. Wait for the spindle to stop rotating before performing maintenance. The sander must be disconnected when not in use or when changing throat plates, sanding sleeves, sanding belts, or other items.

Make sure there are no nails or other foreign objects in the area of the workpiece to be sanded.

Never use this sander for wet sanding. Failure to comply may result in electrical shock, causing serious injury or worse.

Use only identical replacement parts when servicing this sander.

Make sure the spindle has come to a complete stop before touching the workpiece.

Take precautions when sanding painted surfaces. Sanding lead-based paint is NOT RECOMMENDED. The contaminated dust is too difficult to control, and could cause lead poisoning.

When sanding paint:

Protect your lungs. Wear a dust mask or respirator.

Do not allow children or pregnant women in the work area until the paint sanding job is finished and the clean-up is completed

Do not eat, drink, or smoke in an area where painted surfaces are being sanded

Use a dust collection system when possible. Seal the work area with plastic. Do not track paint dust outside of the work area

Thoroughly clean the area when the paint sanding project is completed

5.3 ADDITIONAL SAFETY INSTRUCTIONS FOR SANDERS

Safety is a combination of operator common sense and alertness at all times when the sander is being used.

Warning! For your own safety, do not attempt to operate the oscillating spindle sander until it is completely assembled and installed according to the instructions and until you have read and understand the following.

There may be a tendency for the machine to tip over or move during certain operations, due to this, the sander must be bolted down.

The machine should be positioned so the operator or a casual observer are not forced to stand in line with the sanding sleeve. This machine is intended for indoor use only.

Always wear safety goggles (not glasses) that comply to a recognised standard. Wear a face mask if the operation is dusty. Wear ear plugs or muffs during extended periods of operation. Do not wear gloves, jewellery or watches. Roll long sleeves above the elbow. Tie back long hair.

Do not sand pieces of material too small to hold comfortably by hand.

Avoid awkward hand positions, where a sudden slip could cause a hand to move into the sanding sleeve.

Never stand on the machine.

Never turn your sander "ON" before clearing the belt table and worktable of all objects.

Make sure the sanding sleeves runs in the right direction. Always have it adjusted correctly so that the sleeve does not run off the spindle.

Always adjust the worktable to within a maximum of 2mm off the sanding sleeve.

5. HEALTH AND SAFETY INFORMATION

When sanding a large piece of material, provide additional support at table height.

Never leave when the machine is on, wait until the machine has come to a complete stop.

Do not perform assembly or adjustment work on the table while the sander is operating.

Turn sander "OFF" and remove plug from power supply before removing any accessories.

If any part of this oscillating spindle sander breaks, bends, or fails in any way, or any electrical component fails to perform properly, or if any part is missing, turn off power switch, remove plug from the power supply and replace damaged, missing and/or failed parts before resuming operation.

Do not sand with the workpiece unsupported. Support it with the backstop or worktable. The only exception is curved work performed on the outer end of the belt (idler roller).

Safety is a combination of operator common sense and alertness at all times when the sander is in operation.

Caution: This oscillating spindle sander is designed solely for wood and nonferrous metals only. Any other materials will cause damage to the product or risk of fire.

5.4 RESIDUAL RISK

Important: Although the safety instructions and operating manuals for our tools contain extensive instructions of safe working with power tools, every power tool involves a certain residual risk which can not be completely excluded by safety mechanisms. Power tools must therefore always be operated with caution!

5.5 CONNECTION TO THE POWER SUPPLY

Caution: Risk of electric shock. Do not open.

This appliance is supplied with an approved plug and cable for your safety. The value of the fuse fitted is marked on the pin face of the plug. Should the fuse need replacing, ensure the substitute is of the correct rating, approved to BS1362 and ASTA or BS Kite marked.

ASTA 

BSI 


The fuse cover is removable with a small plain slot screwdriver. Ensure the fuse cover is replaced before attempting to connect the plug to an electrical outlet. If the cover is missing, a replacement must be obtained or the plug replaced with a suitable type.

If a replacement plug is to be fitted this must be carried out by a qualified electrician.

The damaged or incomplete plug, when cut from the cable should be disabled to prevent connection to a live electrical outlet.

This appliance is Class II† and is designed for connection to a power supply matching that detailed on the rating label and compatible with the plug fitted.

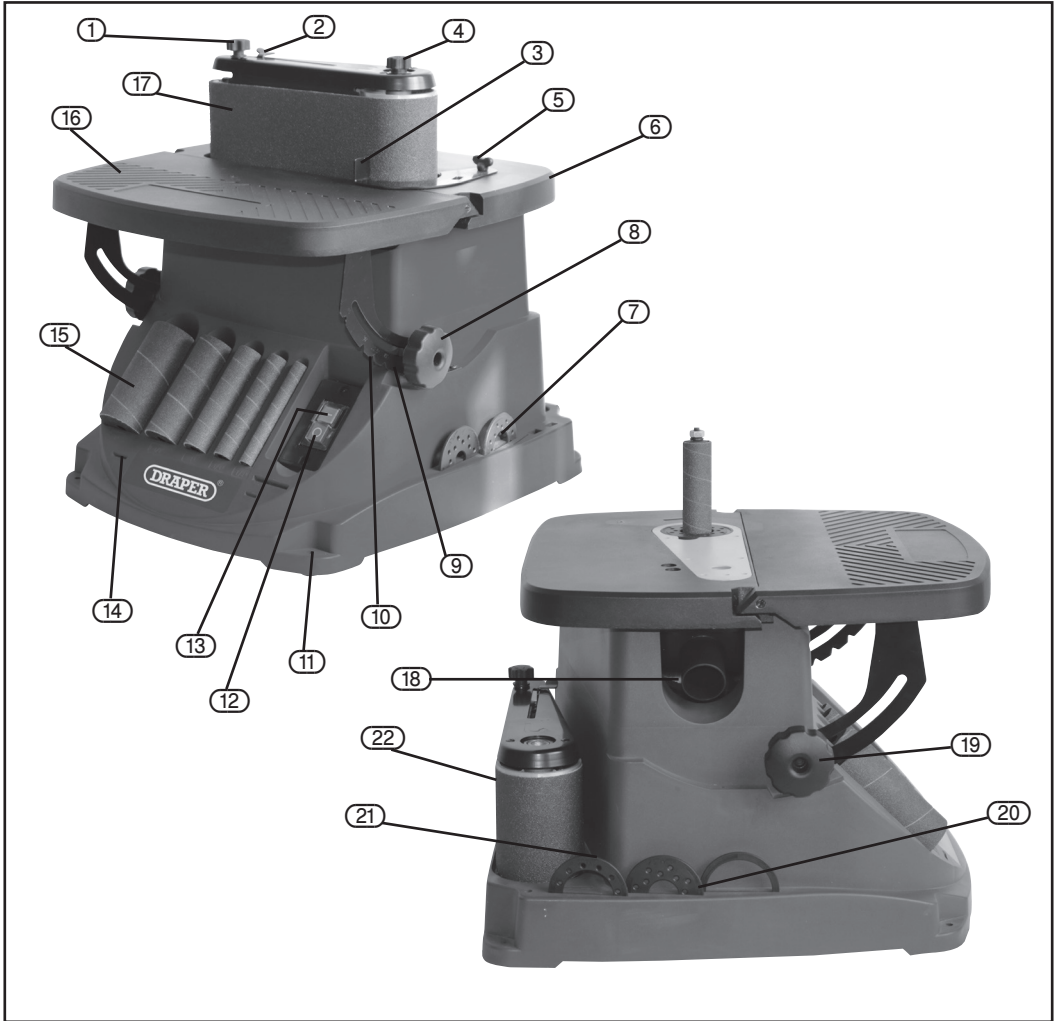
If an extension lead is required, use an approved and compatible lead rated for this appliance. Follow all the instructions supplied with the extension lead.

†Double insulated  : This product requires no earth connection as supplementary insulation is applied to the basic insulation to protect against electric shock in the event of failure of the basic insulation.

IMPORTANT: If using an extension lead, follow the instructions that came with your lead regarding maximum load while cable is wound. If in doubt, ensure that the entire cable is unwound. Using a coiled extension lead will generate heat which could melt the lead and cause a fire.

6. TECHNICAL DESCRIPTION

6.1 IDENTIFICATION



① Belt Tracking knob

② Belt release lever

③ Workpiece stop

④ Spindle lock knob

⑤ Workpiece stop wing nut

⑥ Fixed Table

⑦ Throat plate storage

⑧ Table angle knob

⑨ Table angle gauge

⑩ Table angle notches

⑪ Bench mounting holes

⑫ "OFF" switch

⑬ "ON" switch

⑭ Washer storage

⑮ Drum storage

⑯ Tilting table

⑰ Belt sander

⑱ Dust extraction port

⑲ Table angle knob

⑳ Throat plate storage

㉑ Wrench storage

㉒ Rear storage.

7. UNPACKING AND CHECKING

7.1 PACKAGING

Carefully remove the product from the packaging and examine it for any sign of damage that may have happened during shipping. Lay the contents out and check them against the parts shown below. If any part is damaged or missing, please contact the Draper Help Line (the telephone number appears on the Title page) and do not attempt to use the product.

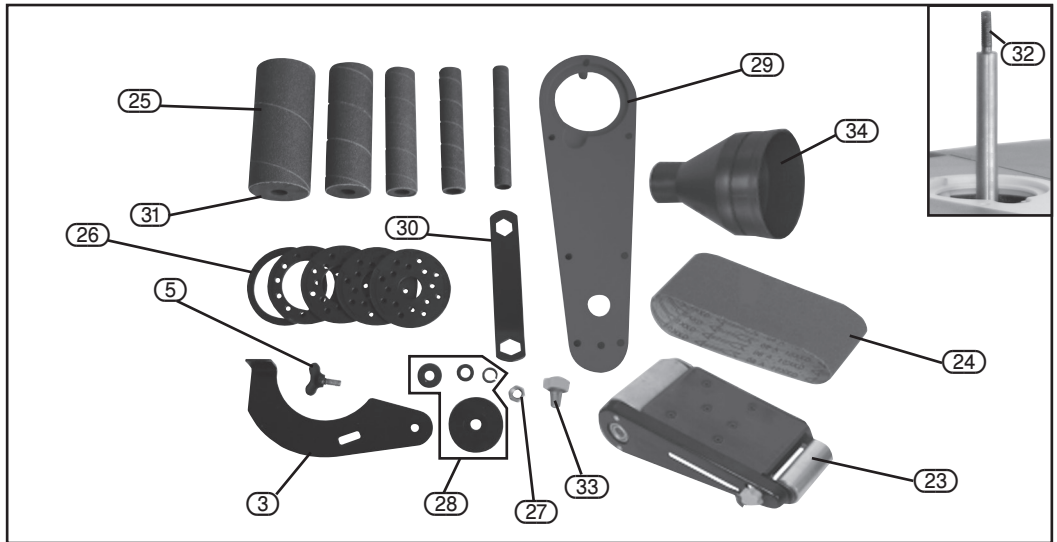
The packaging material should be retained at least during the warranty period, in case the machine needs to be returned for repair.

Warning!

- Some of the packaging materials used may be harmful to children. Do not leave any of these materials in the reach of children.
- If any of the packaging is to be thrown away, make sure they are disposed of correctly, according to local regulations.

7.2 WHAT'S IN THE BOX

As well as the main product, there are several parts not fitted or attached to it.



- | | |
|-------------------------------|----------------------------|
| ③ Workpiece stop | ②⑧ Spindle washers |
| ⑤ Workpiece stop wing nut | ②⑨ Table insert |
| ②③ Belt sanding unit | ③① Sleeve drums (4x sizes) |
| ②④ Sanding belt | ③② Spindle |
| ②⑤ Sanding sleeves (x5 sizes) | ③③ Spindle knob |
| ②⑥ Throat plates (x5 sizes) | ③④ Dust port adaptor |
| ②⑦ Spindle nut | |

Note: For details of our full range of accessories and consumables, please visit drapertools.com

8. PREPARING THE SANDER

Note: Remove the plug from the socket before carrying out adjustment, servicing or maintenance.

8.1 TOOL HOLDERS

The sander comes equipped with two sets of holders, one for the sanding sleeve and rubber drums when not in use, the other for the table inserts.

8.2 BOBBIN STORAGE - FIG. 1

Place the sanding sleeve and rubber drums (6) & (7) onto the storage pins.

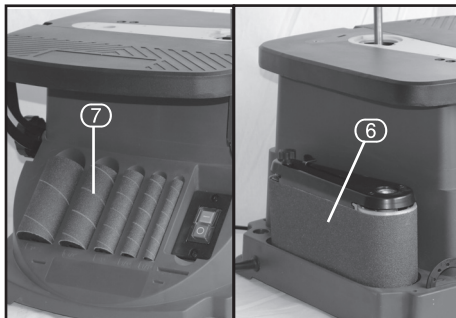


FIG.1

8.3 INSERTS STORAGE - FIG. 2

Place the inserts (8) into the storage slots.

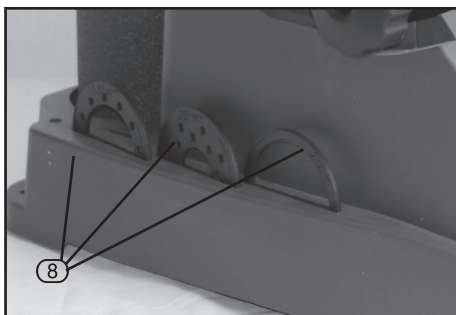


FIG.2

8.4 NO-VOLT ON/OFF SWITCH - FIG. 3

This machine is fitted with a no-volt type ON/OFF switch.

In the event of a power supply disruption, the machine will require manually restarting once power has been returned.

To switch the machine on, press the green button marked 'I'.

To switch the machine off, press the red button marked 'O'.

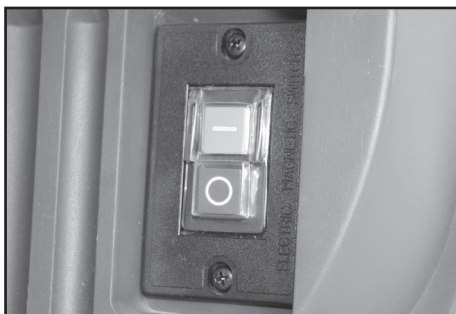


FIG.3

8.5 BENCH MOUNTING

Use the bench mounting holes (11) in the base of the sander to mark and drill 4 x holes into your intended mounting surface. Secure the spindle sander into position using large bolts, washers and nuts (not supplied). If the sander is intended to be used as a more portable device, fix a board to the base which can be clamped and removed from potential mounting surfaces.

Note: Use nylon insert lock nuts or spring washers when fixing to prevent vibration or loosening of fittings.

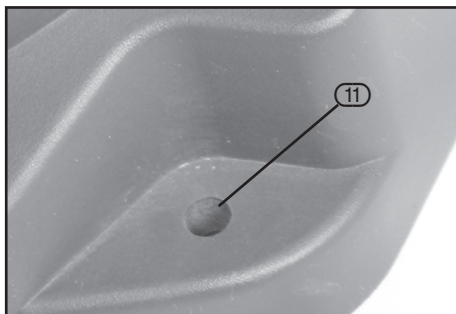


FIG.4

9. OPERATING THE SANDER

Important: Make sure that the mains voltage matches the voltage stated on the machines rating plate.

Important: If the sander is to be used in a permanent position, it is recommended that it is secured to a hard work surface.

9.1 DUST EXTRACTION - FIG. 5

Inhalation of dust particles can be detrimental to health. The dust outlet must be connected with a dust extraction machine.

NOTE: Due to the outlet diameter, a size adaptation may be necessary.

All wood dust (including dust from composites like chipboards and fibre boards etc.) is hazardous to health: it can affect the nose, the respiratory system and the skin. For example MDF (medium density fibreboard) which contains formaldehyde is a known carcinogen. In addition to the above measures a correctly fitted dust mask, suitable for the activity and in accordance to the relevant standard, must be worn.

For work activities involving exposure to fine wood dust, a mask rated to at least FFP2 should be used.

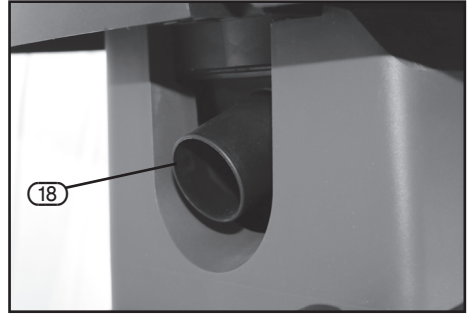


FIG.5

Attach the hose to the dust extraction port (18) and make sure it is connected securely.

9.2 BELT SANDER MODE - FIGS. 6-10

To remove the spindle components, unscrew the spindle nut (27) using the wrench supplied and remove the fitted spindle washer (28), sleeve drum (31), throat plate (26) and table insert (29).

Store the various spindle components into their designated storage areas. FIG.6.

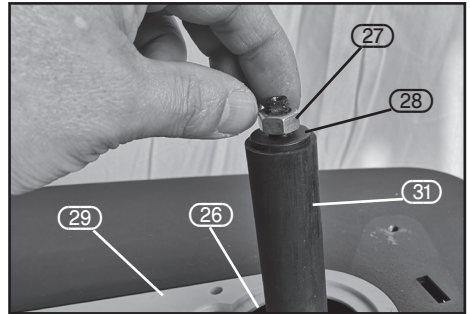


FIG.6

Fit the sanding belt unit (23) into the recess located on the fixed table (6) and secure into position with the spindle knob (33). FIG.7.

If required, fit the workpiece stop (3) using the workpiece stop wing nut (5). FIG.7B.

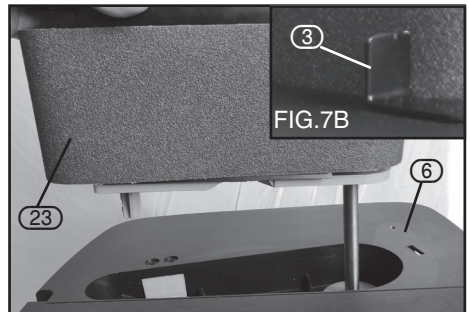


FIG.7

9. OPERATING THE SANDER

If no sanding belt is fitted, move the belt release lever (2) towards the spindle knob to allow the belt to be fitted. Ensure movement is controlled due to the tensioned spring loaded mechanism avoided potential damage or injury. FIG.8.

Fit the sanding belt and check that it is lined up level at the correct height on the main roller of the belt sanding unit. Ensure the orientation of the belt is correct and matches the direction of the arrow. FIG.8.

Move the belt release lever back towards the belt tracking knob to secure the belt.

Turn the machine on but ensure to check the tracking of the belt to ensure it runs correctly. Switch the machine off immediately if the tracking of the belt is incorrect and it is moving around on the roller.

9.3 TRACKING ADJUSTMENT - FIG.9

Adjust the belt tracking using the belt tracking knob (1). If the belt adjusts and moves slowly from its set position, make small adjustments using the belt tracking knob. If the tracking is poor each time the machine is switched off, use the belt release lever so to re-adjust the belt height to the correct height before using the belt tracking knob to make adjustments.

- To increase the height of the belt, turn the belt tracking knob clockwise. To decrease the height of the belt, turn anti-clockwise. FIG.10.
- There may be an adjustment range on the belt tracking knob where the belt tracks consistently. When tracking, ensure you aim for the middle of the adjustment range for optimal centralised tracking even when under load.

NOTE: You risk damaging the belt if it rubs against the surface in the recess of the fixed table (6) due to incorrect tracking adjustment. It is more efficient to adjust the tracking that causes the belt to move upwards than downwards as when the belt is moving upwards, it will not damage the edge of the sanding belt. Ensure you make a large adjustment clockwise on the belt tracking knob and then gradual adjusting anti-clockwise to bring the height back down.

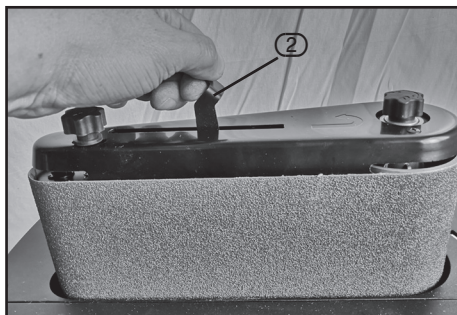


FIG.8

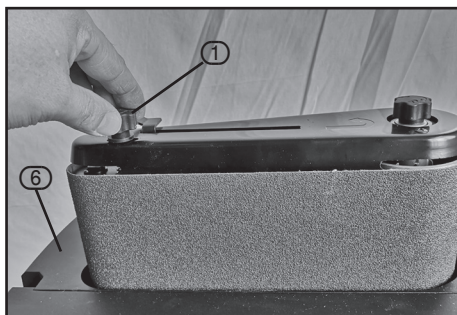


FIG.9



FIG.10

9. OPERATING THE SANDER

Important: Make sure that the mains voltage matches the voltage stated on the machines rating plate.

9.4 SPINDLE SANDER MODE - FIGS. 11 - 12

Remove the belt sander (17) by unscrewing and removing the spindle knob (33). Lift the belt sander unit from the fixed table and store in the rear storage compartment.

Refer to the throat plate chart below to ensure correct compatible parts.

THROAT PLATE CHART

Sanding Sleeve (25)	Sleeve Drum (31)	Throat Plate (26)	Spindle Washer (28)
13mm	N/A	13mm	Small
19mm	Small	10mm	Medium
26mm	Medium	26mm	Medium
38mm	Large	38mm	Medium
51mm	Very Large	51mm	Large

Install the spindle sander as shown in Fig.12, tighten the spindle nut (27) using the wrench supplied (30) to ensure that the sanding sleeve does not slip during operation. Do not over-tighten.

NOTE: It is recommended to use the spindle nut (27), however, if you are frequently changing between belt and spindle sander modes, the spindle knob (33) can be used if it proves adequate compression to hold the sanding sleeve in place. This depends on the fit of the sleeve and the drum.

9.5 TABLE TILTING - FIG. 13

The tilting table (16) can be tilted up to 45 degrees. This allows easy chamfering as well as other edge work.

- Loosen the 2 x angle knobs (8 & 19) on both sides of the table.
- Move the table to the required angle position using the table angle gauge (9). At common angle positions (0, 15, 22.5, 30 and 45 degrees), there are lockable click-stop angle notches (10).

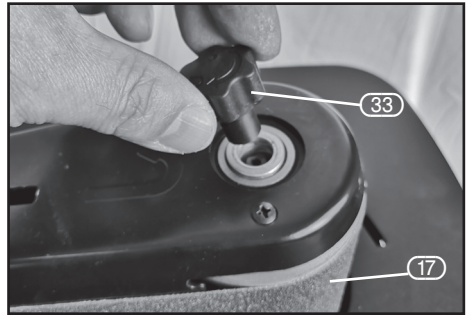


FIG.11

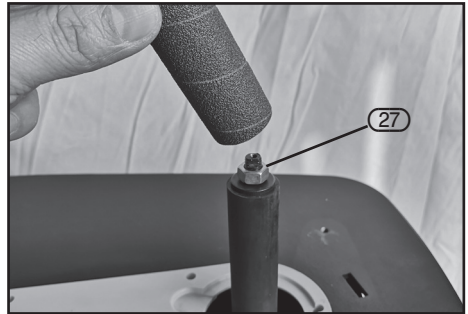


FIG.12



FIG.13

10. MAINTENANCE AND TROUBLESHOOTING

10.1 MAINTENANCE

Regular inspection and cleaning reduces the necessity for maintenance operations and will keep your tool in good working condition.

The motor must be correctly ventilated during tool operation. For this reason avoid blocking the air inlets. After use disconnect the tool from the power supply and vacuum the ventilation slots.

If the replacement of the supply cord is necessary, this has to be done by the manufacturer or his agent in order to avoid a safety hazard.

10.2 CLEANING

Remove dust and dirt regularly. Frequently blow or vacuum dust away from all sander parts and the motor housing

Periodically remove the table insert and lower washer from the spindle and remove any dust accumulation in the table insert area

Re-lubricate all moving parts at regular intervals

Never use caustic agents to clean plastic parts

Do not use cleaning agents to clean the plastic parts of the tool. A mild detergent on a damp cloth is recommended. Water must never come into contact with the tool.

10.3 BRUSH REPLACEMENT

Over time the carbon brushes inside the motor may become worn which may cause loss of power, intermittent failure, or visible sparking.

To replace the brushes;

Place the sander on its side and remove the screws that secure the base cover to allow access to the motor.

Carefully clean out any accumulated wood dust or chippings by the base cover.

Remove the 2 screws that secure the brush cover and remove cover. Carefully remove brush assembly.

Disconnect wire attached to brush assembly and remove brush.

Fit replacement brush and reconnect wire.

Replace motor brush assembly ensuring small leg is correctly in place.

Refit brush cover and screws

Repeat steps above with the other brush assembly. It is important to always replace brushes in pairs.

Re-install and tighten base plate.

Alternatively, have the machine serviced at an authorised service centre.

Important: Please note all repairs/service should be carried out by a qualified person.

10. MAINTENANCE AND TROUBLESHOOTING

10.4 TROUBLESHOOTING GUIDE

Warning! For your own safety always turn the main switch on the machine “OFF” and remove the plug from the power supply before carrying out any maintenance or troubleshooting.

Problem	Possible Cause	Remedy
Motor does not start.	1. Defective ON/OFF switch.	1. Replace defective parts before using again.
	2. Burned out motor.	2. Any attempt to repair this motor may create a HAZARD unless repair is done by a qualified service technician.
Machine slows down when sanding.	1. Drive belt too tight.	1. Decrease belt tension.
	2. Applying too much pressure to workpiece.	2. Ease up on pressure.
Sanding sleeve does not rotate with sleeve drum	Spindle nut not tight enough	Gradually tighten spindle nut until sleeve drum secures the sanding sleeve
Sanding drum not operating at full speed or motor sounds different to normal	1. Motor overheating	1. Switch off and allow to cool for half an hour
	2. Motor faulty	2. Contact an advised service centre
	3. Brushes need replacing	3. See “Brush Replacement”
	4. Motor belt worn or stretched	4. Contact an advised service centre
Sanding belt runs off pulleys.	1. Not tracking properly.	1. Adjust tracking.
A lot of dust is being produced	1. Dust extractor passage is blocked	1. Turn machine off at the mains. Remove the spindle sander components or belt sander unit and remove the blockage from dust extractor passage
	2. Incorrect throat plate used	2. Use correct size of throat plate
Wood burns while sanding.	1. Sanding disc or belt is glazed with sap.	1. Replace disc or belt.

11. EXPLANATION OF SYMBOLS

11.1 EXPLANATION OF SYMBOLS



Read the instruction manual.



Wear face mask and safety glasses.



Disable the machine before attempting to maintain it.



WEEE –
Waste Electrical & Electronic Equipment.
Do not dispose of Waste Electrical & Electronic
Equipment in with domestic rubbish.



Double insulated

12. DISPOSAL

12.1 DISPOSAL

- At the end of the machine's working life, or when it can no longer be repaired, ensure that it is disposed of according to national regulations.
- Contact your local authority for details of collection schemes in your area.

In all circumstances:

- Do not dispose of power tools with domestic waste.
- Do not incinerate.
- Do not dispose of WEEE* as unsorted municipal waste.



* *Waste Electrical & Electronic Equipment.*

CONTACTS

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For aftersales servicing or warranty repairs, please contact the Draper Tools Help Line for details of an agent in your local area.

YOUR DRAPER STOCKIST

TAFW0321

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