DRAPER Expert

EN

Original Instructions
Version 2 – April 2025

230V OSCILLATING SPINDLE SANDER

98427

UK CA CE

1. Preface

These are the original product instructions. This document is part of the product; retain it for the life of the product, passing it on to subsequent holders. Read this manual in full before attempting to assemble, operate, or maintain this product.

This Draper Tools manual describes the purpose of the product and contains all the necessary information to ensure its correct and safe use. Following all the instructions and guidance in this manual will ensure the safety of both the product and the operator and increase the lifespan of the product.

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

Every effort has been made to ensure the information contained in this manual is accurate. However, Draper Tools reserves the right to amend this document without prior warning. Always use the latest version of the product manual.

1.1 Product Reference

User Manual for: 230V Oscillating Spindle Sander

Stock No: 98427

Part No: OSS370E

1.2 Revisions

Version 1: April 2021
First release

Version 2: April 2025

As our manuals are continually updated, always ensure that the latest version is used.

Download the latest version from:
drapertools.com/manuals

1.3 Understanding the Safety Content of This Manual

WARNING! – Situations or actions that may result in personal injury or death.

CAUTION! – Situations or actions that may result in damage to the product or surroundings.

ATTENTION – Situations or actions that may result in damage to the product or surroundings.

Important: – Information or instructions of particular importance.

1.4 Copyright © Notice

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2. Contents

EN

3. Product Introduction

3.1 Intended Use

This product is designed for sanding using a rotating and oscillating action for increased speed and efficiency, making it ideal for precise finishing of intricate work.

Any other application beyond the conditions established for use will be considered misuse. Draper Tools accepts no responsibility for improper use of this product.

Read this manual in full before attempting to assemble, operate or maintain the product, and retain it for later use.

3.2 Specification

Stock No.:	98427
Part No.:	OSS370E
Motor:	
Rated voltage:	230V/50Hz
Rated input:	370W
Speed (no load):	1500rpm
Oscillating stroke:	24mm
Sanding sleeves supplied:	50mm diameter × 140mm
	38mm diameter × 140mm
	19mm diameter × 90mm
Table size:	370 × 370mm,
Tilt:	0 - 45°
Dust extraction outlet:	50mm
Max spindle working height:	140mm
Noise emissions:	
Sound pressure level:	70dB (A)
Sound power level:	80dB (A)
Net weight:	28.5kg

4.1 General Power Tool Safety Warnings

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, 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, clothing and gloves 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 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.

4.2 Additional Safety Instructions for Sanders

⚠ **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. **ALWAYS** bolt the sander 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 defenders during extended periods of operation.
- **DO NOT** wear jewellery or watches or loose clothing and tie long hair back.
- **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 and worktable of all objects.
- Ensure 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.
- When sanding a large piece of material, provide additional support at table height.

- **NEVER** leave the machine unattended when switched **'ON'**, wait until the machine has come to a complete stop.
- **DO NOT** assemble or adjust work on the table while the sander is operating.
- Turn sander **'OFF'** and unplug from power supply before fitting or removing any accessories.
- If any parts of this oscillating spindle sander are damaged or if any part is missing, turn off power switch, unplug 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.

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.

4.3 Connection to the Power Supply

CAUTION! Risk of electric shock. DO NOT open.

This appliance is supplied with an approved plug and cord for your safety.

If the power supply cord is damaged, it must be replaced by Draper Tools, an authorised service agent or similarly qualified personnel in order to avoid a hazard.

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

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

The value of the fuse fitted is marked on the pin face of the plug. Should the fuse need replacing, use a small

plain-slot screwdriver to remove the fuse cover. Ensure the substitute is of the correct rating, approved to BS

1362 and ASTA or BS Kite marked. This should only be performed by suitably qualified personnel.

ASTA

BSI

Important: If an extension lead is required, use an approved and compatible lead rated for this appliance.

Unwind the entire cable and follow all the instructions supplied with the extension lead.

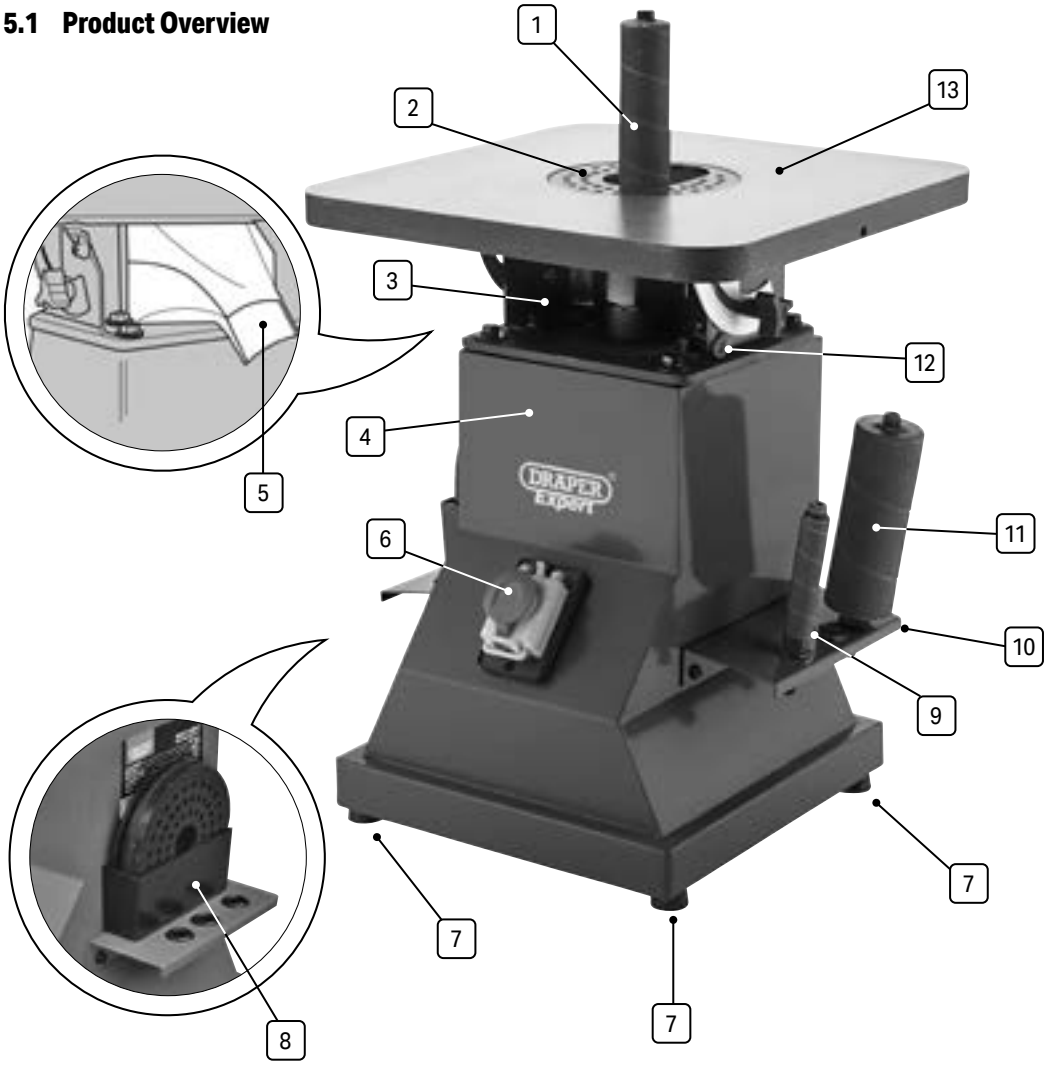
† Earthed ⏚ : This product requires an earth connection to protect against electric shock from accessible conductive parts in the event of failure of the basic insulation.

4.4 Residual Risk

The safety instructions in this manual cannot account for all possible conditions and situations that may occur. Exercise common sense and caution when using this product and protect against any additional conceivable risks.

5. Identification and Unpacking

5.1 Product Overview



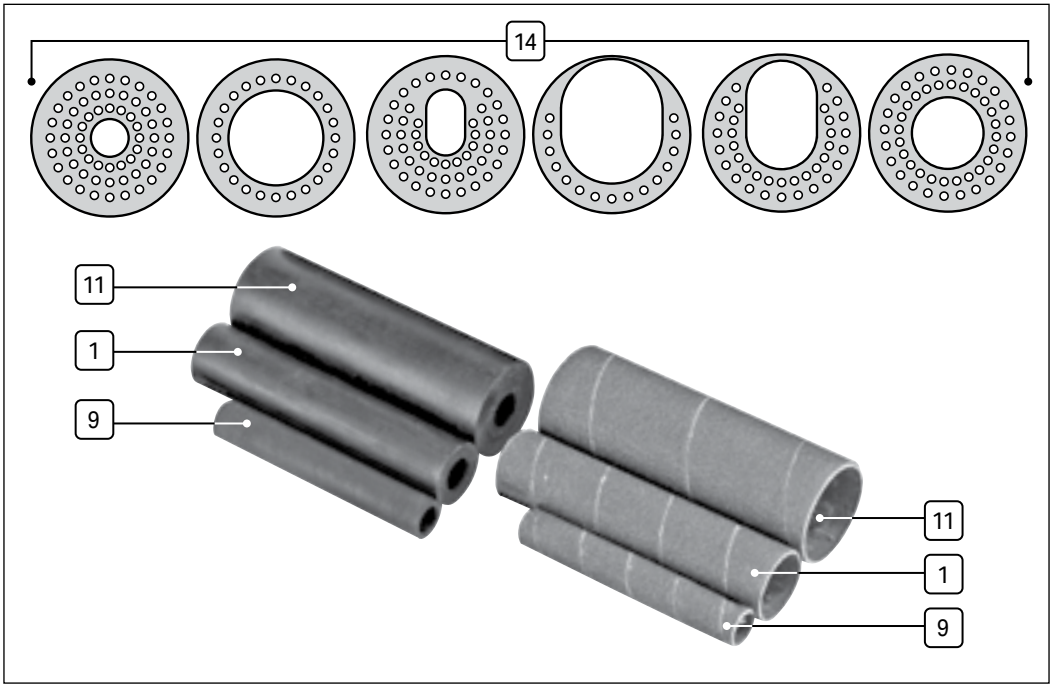
1. 38mm Sanding drum with shaft & sanding sleeve
2. Table inserts
3. Main spindle motor/sanding attachment point
4. Machine body
5. Dust extraction port
6. ON/OFF/No-Volt switch with emergency stop
7. Rubber feet
8. Table insert tool holder
9. 19mm Sanding drum with shaft & sanding sleeve
10. Sanding drum tool holder
11. 50mm Sanding drum with shaft & sanding sleeve
12. Table locking knob
13. Tilting table

5. Identification and Unpacking

5.2 What's in the Box?

Carefully remove the product from the packaging and examine it for any signs of damage that may have occurred during shipment.

If any part is damaged or missing, do not attempt to use the product. Please contact the Draper Helpline; contact details can be found at the back of this manual.



1 × Sanding sleeve and drum, size; Ø38 × 140mm.

9 × Sanding sleeve and drum, size; Ø19 × 90mm.

11 × Sanding sleeve and drum, size; Ø50 × 140mm.

14 × Table inserts - round and oval.

5.3 Packaging

Keep the product packaging for the duration of the warranty period for reference should the product need to be returned for repair.

WARNING! Keep packaging materials out of reach of children. Dispose of packaging correctly and responsibly and in accordance with local regulations.

Please visit **drapertools.com** for our full range of accessories and consumables.

6. Preparation Instructions

Important: Before preparing or adjusting this product, read and understand all the safety instructions listed in this manual. Unplug from the power supply before carrying out adjustment, servicing or maintenance.

WARNING! The machine is heavy, ensure when lifting that there are two people.

6.1 Fitting the Rubber Feet (Fig.1)

1. Place the Sander on its side and remove the feet from their protective packaging.
2. Remove the nut and washer from the thread.
3. Locate the four corner mounting points underneath the sander and insert the thread of the rubber foot into the mounting hole so that the foot points downward.
4. Place the washer, then the nut onto the foot and tighten with a spanner (not supplied).
5. Repeat this procedure for the other 3 feet.
6. Position the sander at a suitable height allowing sanding operation to be carried out comfortably and in a safe manner.

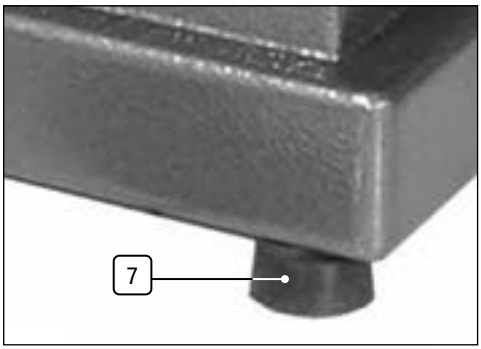


Fig. 1

6.2 Fitting the Sanding Sleeves onto the Drum/Bobbin (Fig.2 – Fig.4)

- The sleeves supplied with this sander are already installed onto each drum.

1. To change the sleeve on the drum if they become worn – **see Fig.2.**

- The bobbin consists of a rubber drum body with a central metal axle passing through it.
  - The axle has a key which locates into the key slot in the rubber body. This should not be altered unless the rubber body has become damaged.
  - At either end of the rubber body are two large compression washers. At the top is a washer and nut which allows you to secure the sanding sleeve to the drum. The lower part of the axle is threaded which will in turn locate into the main motor [3].

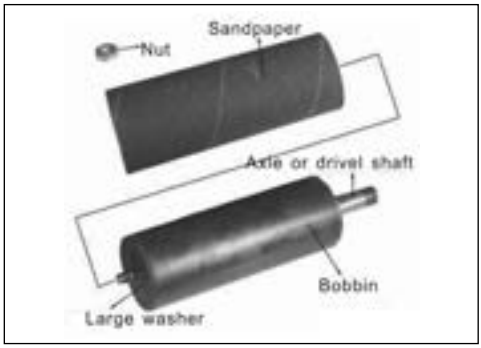


Fig. 2

2. Remove the nut using a suitable spanner and lift off the washer – **see Fig.3.**

Fig. 3

3. Slide the sanding sleeve and drum clear of the bobbin and remove the sleeve.
   - If removal is difficult, lubricate the rubber body to enable fitting of a new sanding sleeve.
4. Place the new sanding sleeve onto the rubber body and slide onto the rubber body so it fits centrally with no edge of the sheet overhanging the rubber body– **see Fig.4.**

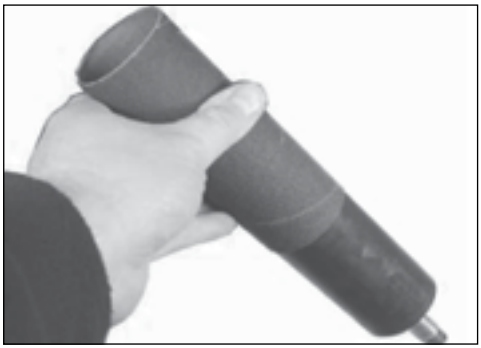


Fig. 4

5. Replace the washer and nut, tightening the nut with a spanner to expand the rubber body. This will secure and grip the sanding sleeve onto the rubber drum.

   Note: DO NOT over-tighten the nut as this will distort the sanding sleeve.

6.3 Fitting the Bobbin onto the Sander (Fig.5)

1. Lower the bobbin down through the top of the machine.
2. Locate the thread on the spindle into the motor drive spindle thread.
3. Hold the motor drive spindle with your hand and tighten the bobbin into the motor drive spindle once the threads have located.
4. Use 2 × open ended spanners (not supplied).
5. Use one spanner to hold the motor drive spindle and tighten the bobbin spindle with the other spanner. **DO NOT** over-tighten.

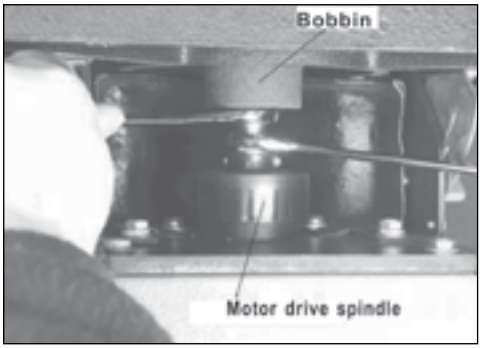


Fig. 5

6.4 Fitting Table Inserts (Fig.6)

- This sander comes supplied with 6 × table inserts (14) with a selection of round and oval cutouts.
- For normal sanding, select the inserts with the round cutout.
- Make note of the cutout on the edge of the table insert. This aligns the peg into the recess of the table.
- Lower into position, ensure that the table insert locates into the recess and is flush with the table.
- To remove, push with your finger from underneath to dislodge the table insert.

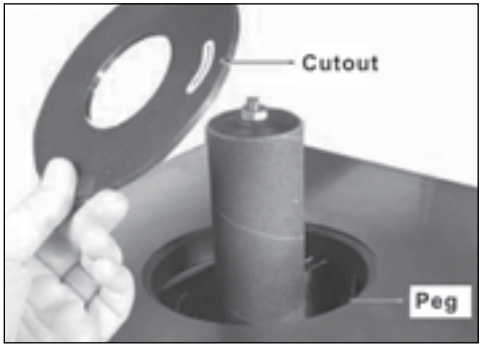


Fig. 6

6.5 Aligning the Tabletop (Fig 7 – Fig.8)

- The tabletop can be tilted between 0° to 45°.
- Ensure that the bobbin is set to 0° on the table.
- Use a suitable 90° square and place on the tabletop surface, then move the square with the bobbin confirming that it measures 90° accurately – see Fig.7.

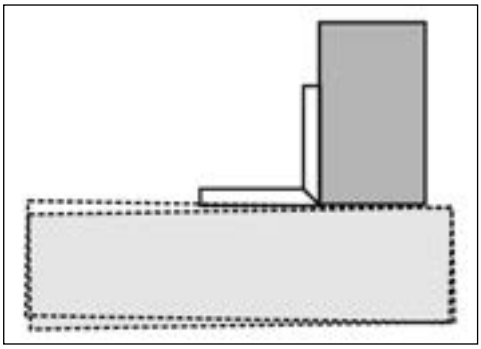


Fig. 7

- Adjust if the table is not square. Use the stop bolt located under the table to adjust the level of the table. Loosen the lock nut and raise or lower the stop bolt.
- When the table is set at 90° along with the bobbin then tighten the lock nut.
- Locate the pointer and scale and untighten the pointer screw. Align with the 0° position on the scale and re-tighten the screw – see Fig.8.

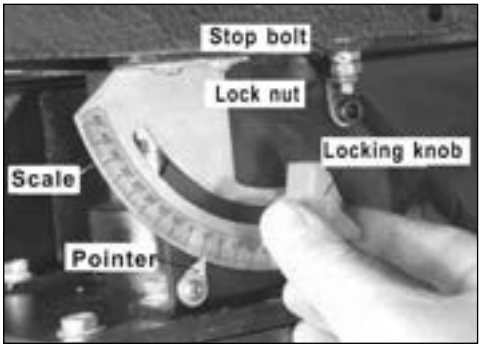


Fig. 8

Important: Before operating this product, read and understand all the safety instructions listed in this manual. Ensure that the product is fully assembled and correctly prepared for use.

7.1 Tilting the Table (Fig.9)

Note: Remove the round cutout table insert before tilting the table to avoid damaging the insert.

- The table can tilt between 0°- 45°.
- Once the desired angle has been set, tighten the two locking knobs (12) found underneath the table.
- Locate the oval table insert cutout (14) and place into the tabletop.

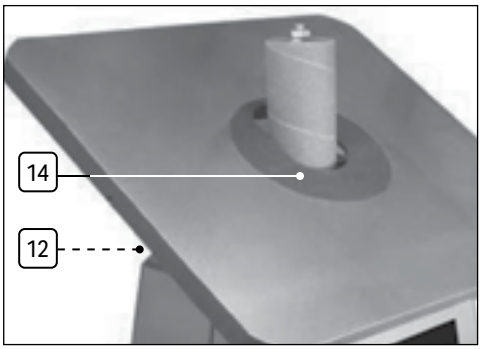


Fig. 9

7.2 ON/OFF & No-Volt Switch (Fig.10)

- This sander has an **ON/OFF/No- Volt** switch with an emergency stop function. In the event of a power failure, the motor will not automatically restart when power is restored.

1. Ensure that the sander is plugged into a suitable 13A outlet socket.
2. Lift the emergency stop cover to reveal the **ON/OFF** Switch (6).
3. Press the green button to switch the sander **'ON'.** Then close the emergency stop cover.

- **DO NOT** push the red button as this will cause the motor to stop.

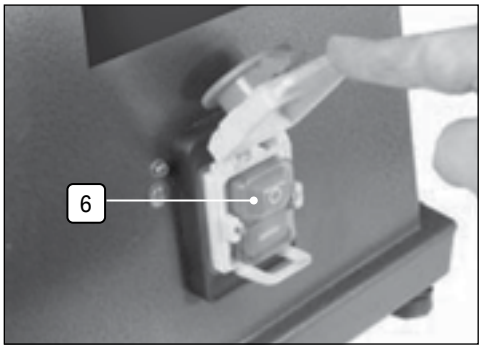


Fig. 10

7.3 Emergency Stop Button (Fig.11)

- Simply press to stop the machine.
- There is no need to lift the cover when activating the emergency stop button.
- In the event of a power failure, the machine will not automatically restart when the power is restored after pressing the emergency stop button.

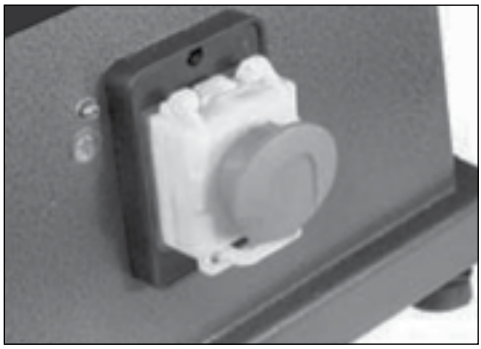


Fig. 11

7.4 Using the Bobbin Sander (Fig.12)

WARNING! NEVER start up the sander if there is already objects by the bobbin sander spindle.

- Start the machine and wait for the motor to build up to full speed. Once at full speed, the bobbin will move up and down travelling 24mm in total.
- When running the sander will operate in a clockwise rotation. Feed the material across and with the direction of rotation.

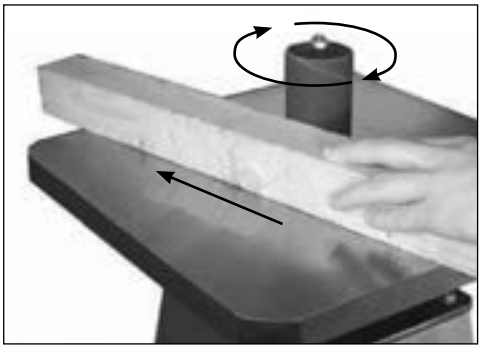


Fig. 12

Note: NEVER feed the material into the sander while standing directly behind it. The sander could kickback the material into the operator and cause serious injury.

7.5 Using the bobbin Sander at 0 – 45° Angles (Fig.13)

- Remove the round table insert and store in its holder.
- Place in the oval table insert **(See 7.1 - Tilting the table)** and loosen the table locking knobs [12] either side of the sander.

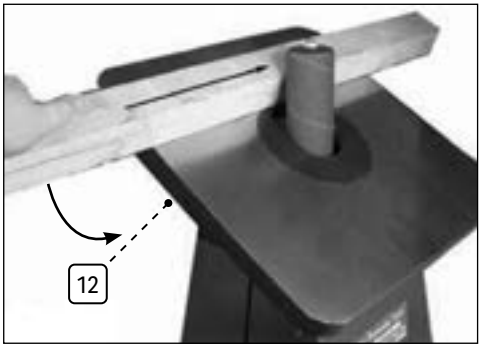


Fig. 13

- Tilt the table to the desired angle and then re-tighten the table locking knobs.
- Always feed the material onto the sander in the same direction of rotation.
- **Note:** Always ensure that when the table has been tilted to a particular position, that the angle will only remain constant if the material is run parallel to that of the rotation of the bobbin.

7.6 Dust Extraction (Fig.14)

- The sander is fitted with a 50mm diameter dust extraction outlet port [5] located on the rear of the sander. Attach a suitable extractor/dust collector device to the port.
- 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.
- In addition to the above measures a correctly fitted dust mask, suitable for the activity and in accordance with the application, must be worn.
- For work activities involving exposure to fine wood dust, a mask rated to at least **FFP2** should be used.

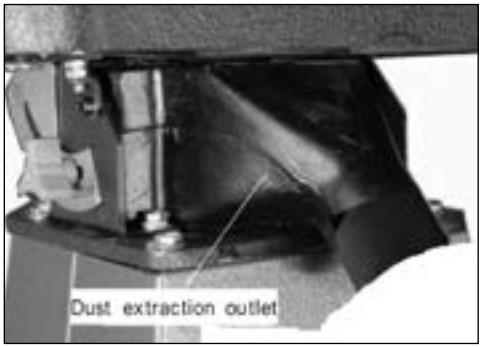


Fig. 14

8. Maintenance and Troubleshooting

Important: ALWAYS unplug from the power supply before carrying out adjustment, servicing or maintenance.

If the power supply cord is damaged, it must be replaced by Draper Tools, an authorised service agent or similarly qualified personnel in order to avoid a hazard.

- Regular inspection and cleaning will reduce 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.

8.1 Troubleshooting

Problem	Possible cause	Remedy
Motor does not start	Defective ON/OFF switch	Contact Draper Tools for advice.
	Burned out motor	
Machine slows down when sanding	Drive belt too tight	Decrease belt tension
	Too much pressure applied to workpiece	Ease up on pressure applied
Sanding belt runs off pulleys.	Not tracking correctly	Adjust tracking
Wood burns while sanding	Sanding drum or belt is glazed with sap	Replace drum or belt

9. Spares, Returns and Disposal

For spare parts, servicing, and repair and replacement options, please contact the Draper Tools Product Helpline for details of your nearest authorised agent.

Draper Tools will endeavour to hold any spare parts, if applicable, for seven years from the date that it sells the final matching stock item.

Any servicing or repairs carried out by unauthorised personnel or installation of spare parts not supplied by Draper Tools will invalidate your warranty.

At the end of its working life, dispose of the product responsibly and in line with local regulations. Recycle where possible.

- **DO NOT** dispose of this product with domestic waste; most local authorities provide appropriate recycling facilities.

10. Warranty

12 months from date of purchase – Visit **drapertools.com/warranty** for more information. However, if the tools are hired out, the warranty period is 90 days from the date of purchase.

11. Explanation of Symbols

Read the instruction manual .

Wear face mask and safety glasses

Wear protective gloves

Warning!

Disable the machine before attempting to maintain it

Earthed

WEEE –

Waste Electrical & Electronic Equipment

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

European conformity.

UK Conformity Assessed.

Notes

Contact Details

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Eastleigh
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Email: sales@drapertools.com

Product Helpline: +44 (0) 23 8049 4344
Telephone Sales Desk: +44 (0) 23 8049 4333
General Enquiries: +44 (0) 23 8026 6355

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Please contact the Draper Tools Product Helpline for repair and servicing enquiries.

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