DRAPER

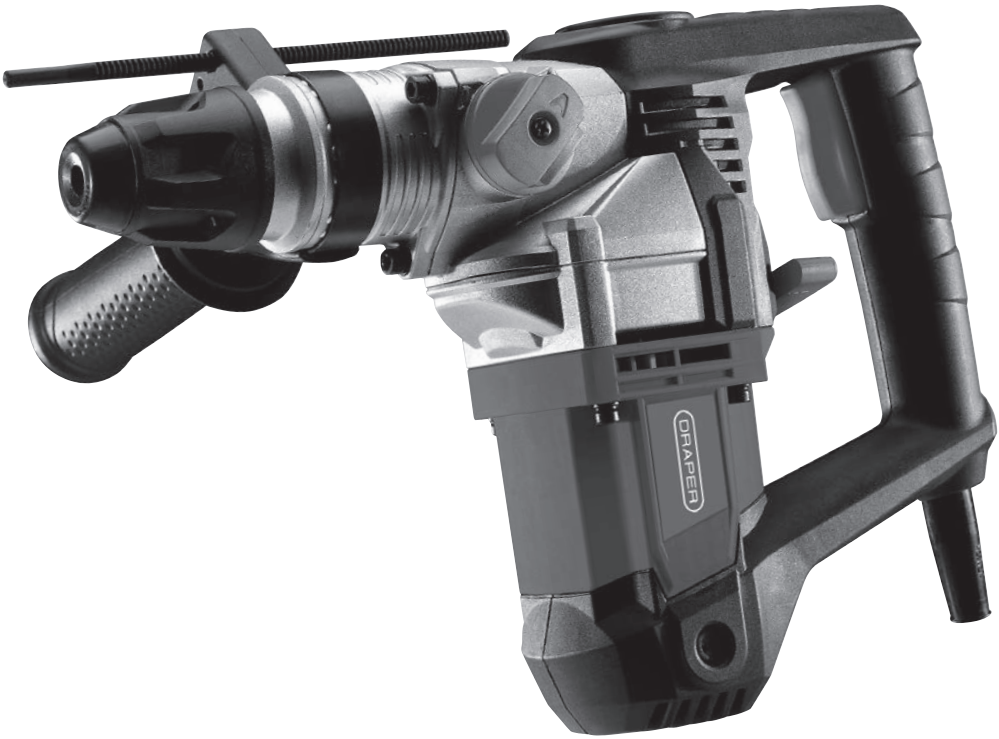
EN

Original Instructions
Version 3 - February 2026

SDS+ ROTARY

HAMMER DRILL

76490



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 SDS Plus Hammer Drill

Stock No: 76490

Part No: PT900SDSSF

1.2 Revisions

Version 1: May 2017
First release

Version 2: June 2024

Version 3: February 2026

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.

Important: – Information or instructions of particular importance.

1.4 Copyright © Notice

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3. Product Introduction

3.1 Intended Use

This hammer drill is designed for drilling wood, mild steel and masonry and for light duty chiselling applications.

This product is intended for domestic and infrequent light-duty trade use.

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.:	76490
Part No.:	PT900SDSSF
Rated voltage:	230V
Rated frequency:	50Hz
Rated input:	900W
Drilling capacity:	
Wood:	40mm
Mild steel:	13mm
Masonry:	26mm
Impact force:	4 Joules
Revolution per minute (no load):	850rpm
Impact rate:	4100bpm
Chuck type:	SDS+
Noise emissions:	
Sound pressure level:	94.6dB(A)
Sound power level:	105.6dB(A)
Vibration levels:	
Main handle:	23.63m/s^2
Auxiliary handle:	12.80m/s^2
Power cord (approx):	2m
Net Weight (drill only):	3.36kg

Important: The declared vibration total values and noise emissions values have been measured in accordance with a standard test method and may be used for comparing one tool with another. These values may also be used in a preliminary assessment of exposure.

WARNING! The vibration and noise emissions during actual use of the product can differ from the declared values depending on the mode selected and the workpiece upon which it is used. Before each use, estimate the likely exposure resulting from the actual conditions of use. Take into account all parts of the operation cycle in order to identify any safety measures required to protect the operator.

4. Explanation of Symbols

Read the instruction manual

Mandatory action required

Warning!

Wear face mask and safety glasses

Wear ear defenders

Wear protective gloves

Rated voltage

Rated input

Maximum revolutions per minute (no load)

Maximum impact rate per minute (no load)

SDS+ Chuck

Drilling capacity – masonry

Drilling capacity – mild steel

Drilling capacity – wood

Power supply cable length

Continuous A-weighted sound power level

Class II construction
(Double insulated)

Product weight

Do not abandon in the environment

WEEE –

Waste Electrical & Electronic Equipment

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

European conformity

UK Conformity Assessed

5. Health and Safety Information

Important: Read all the Health and Safety instructions before attempting to operate, maintain or repair this product.

5.1 General Power Tool Safety Warnings

WARNING! Read all safety warnings and all instructions. Failure to follow the warnings and instructions 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.

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 and ear 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 the 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.

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 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.
- 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.

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 Additional Safety Information For this Hammer Drill

- Wear ear protectors.
  - Exposure to noise can cause hearing loss.
- Use auxiliary handle(s) if supplied with the tool.
  - Loss of control can cause personal injury.
  - 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.
- There is a risk that toxic or harmful materials may be released into the atmosphere from the work surface during operation.
  - Wear appropriate eye protection and ventilation equipment and consult the material supplier's safety guidelines.
- Ensure that the bit is secure before and never point the tool towards anything other than the intended workpiece.
  - If not properly secured, the bit may be ejected from the chuck during operation and cause injury.
- This tool vibrates heavily during operation.
  - Check the tightness of all assembly and housing screws before each operation to ensure that no part of the tool has become loose.
  - Wear thick, padded gloves during use to reduce exposure to vibrations and take frequent breaks.
  - Do not overfill the gearbox with lubricant.
  - There must be a suitable air pocket in the gearbox to allow the lubricant to expand during use.
- Do not modify this product in any way and use only spare parts supplied by Draper Tools.

5.3 Connection to the Power Supply

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.

5. Health and Safety Information

This product 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.

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. This should only be performed by suitably qualified personnel.

ASTA

BSI

The fuse cover can be removed by using a small plain slot screwdriver.

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

Important: Always follow the extension lead instructions regarding maximum load while the cable is wound. If in doubt, unwind the entire cable. A coiled extension lead generates heat which could melt the lead and cause a fire.

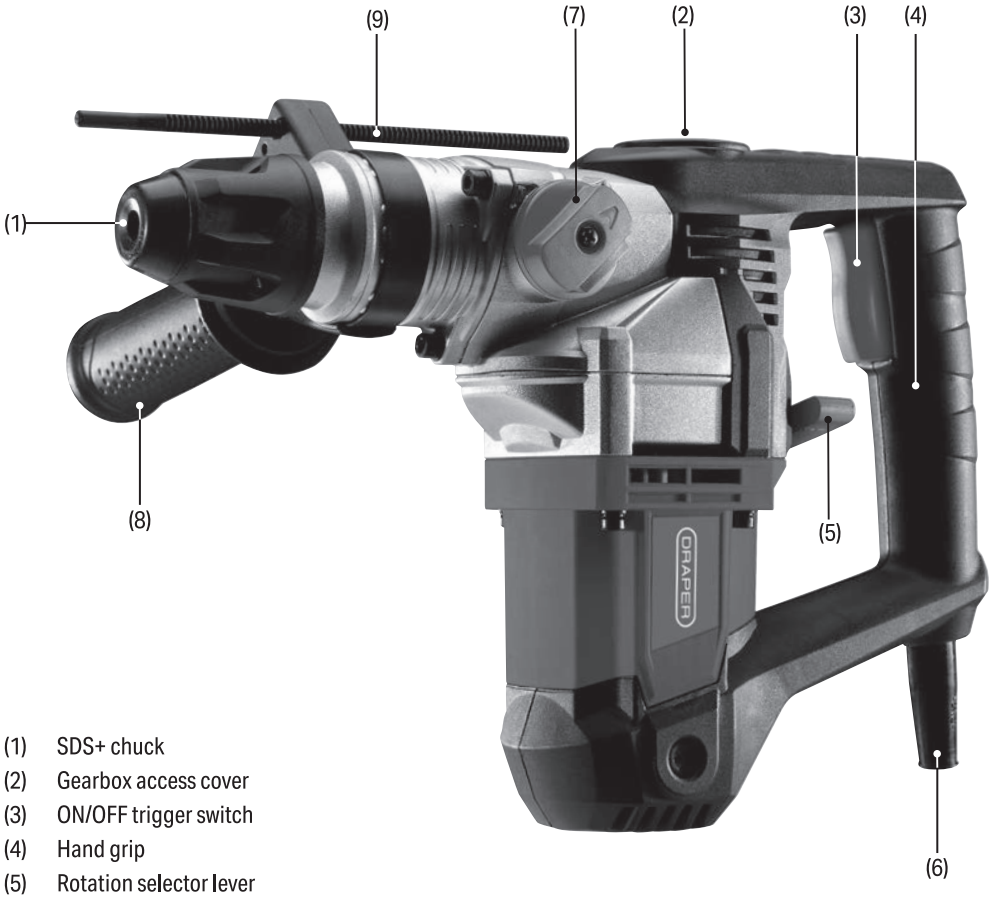
†Double insulated ⧈: This product is double insulated and does not require an earth connection to protect against electric shock from accessible conductive parts should the basic insulation fail.

5.4 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.

6. Identification and Unpacking

6.1 Product Overview



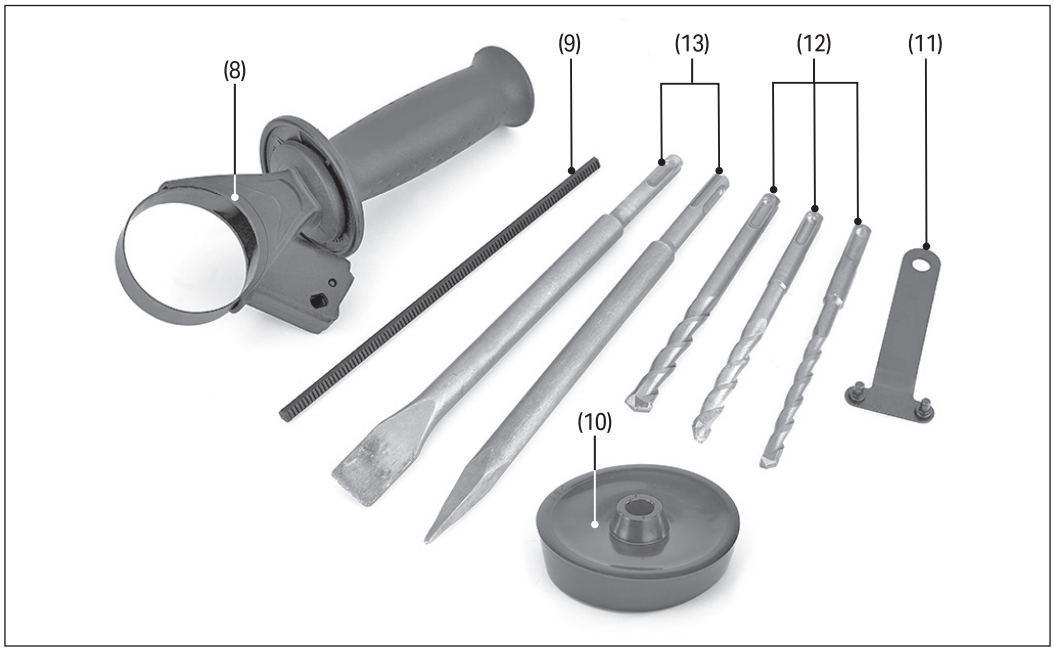
(1) SDS+ chuck
(2) Gearbox access cover
(3) ON/OFF trigger switch
(4) Hand grip
(5) Rotation selector lever
(6) Cord and plug
(7) Rotary/hammer selector
(8) Auxiliary handle
(9) Adjustable depth rod

6. Identification and Unpacking

6.2 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.

Before assembling the product, lay the contents out and check them against the parts shown below. 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.



(8) Auxiliary handle
(9) Depth guide rod
(10) Dust collector cover
(11) Pin spanner
(12) 150mm SDS Plus drill bits × 3 (8, 10 & 12mm)
(13) 250mm SDS Plus chisels × 2 (flat & point)

6.3 Packaging

Keep the product packaging for the duration of the warranty period in case the product needs 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.

7. Preparation Instructions

Important: ALWAYS switch off and unplug from the power supply before making any adjustments to the tool.

7.1 Fitting the Auxiliary Handle

WARNING! NEVER operate the drill without the auxiliary handle fitted. ALWAYS ensure that the handle is fitted before connecting the drill to the power supply.

1. Loosen the auxiliary handle (8) by turning clockwise. Then slide it over the chuck onto the collar (8.1).
2. Select the required angle of the handle and tighten the handgrip to secure.

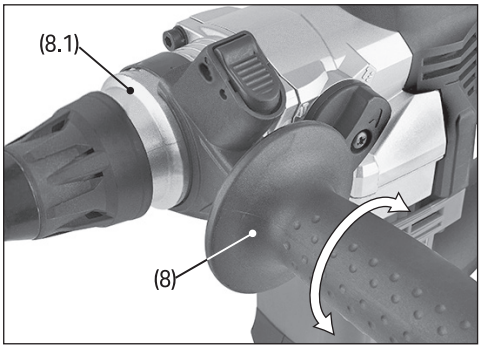


Fig. 1

7.2 Fitting the Depth Rod

1. Press the lever (8.2) on the auxiliary handle and insert the depth rod. Adjust to the required depth.

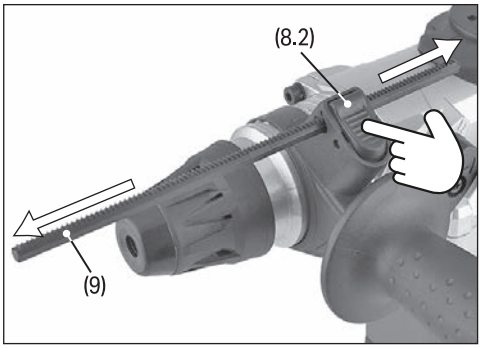


Fig. 2

8. Operating Instructions

WARNING! Before drilling, check for the presence of electrical cables, gas or water pipes or other dangerous or damaging objects hidden within the worksurface that may cause an obstruction. If in doubt, DO NOT continue with the operation.

Important:

- Drilling operations may produce large amounts of dust from the workpiece; **ALWAYS** wear a suitable dust mask and eye protection during operation and use appropriate dust collection equipment while working. A dust mask rated at least FFP2 should be worn for operation involving exposure to fine dust.
- Take care when clearing metal swarf produced during drilling as it is extremely sharp.

8.1 Inserting and Removing Drill Bits/ Chisels

- The chuck tool holder (1.2) will clamp the drill bits and chisels in place without the need for a locking key.
- **To fit the drill bit/chisel:**

1. Pull the chuck collar (1.3) back.

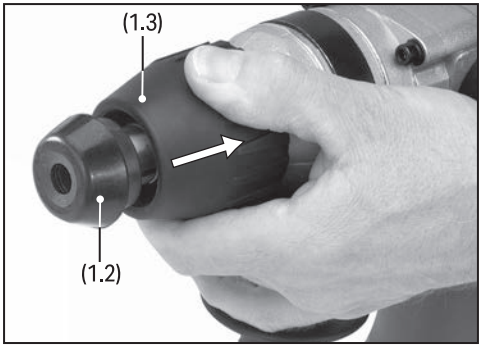


Fig. 3

2. Insert the bit and rotate slightly to ensure it engages correctly.

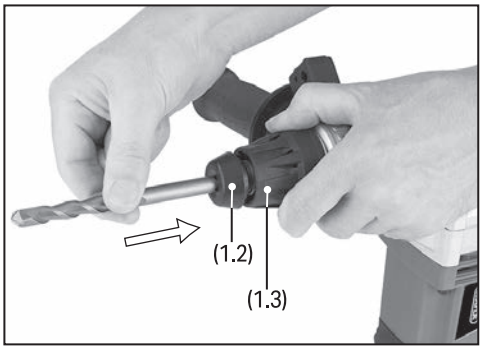


Fig. 4

3. Release the collar to lock in place and test that the bit/chisel cannot be removed.

Important:

- Always clean and lightly grease the bit/chisel shaft before inserting into the chuck.
- Fit the dust collector cover (10) over the drill bit/chisel to prevent dust and debris getting inside the tool holder.
- To remove the drill bit/chisel
  - To remove the bit/chisel, pull the collar (1.3) back and slide out the bit or chisel.
  - **Important:** Take care as the bit or chisel shaft may be hot after use.

8.2 Function Selectors

Rotary/Hammer Selector (7)

- Press the button on the side of the selector and turn to the required drill position.

Rotary Drill

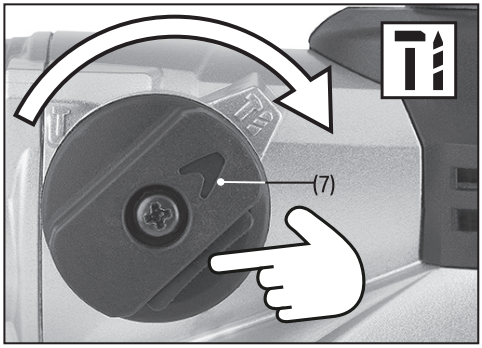


Fig. 5

Hammer Drill

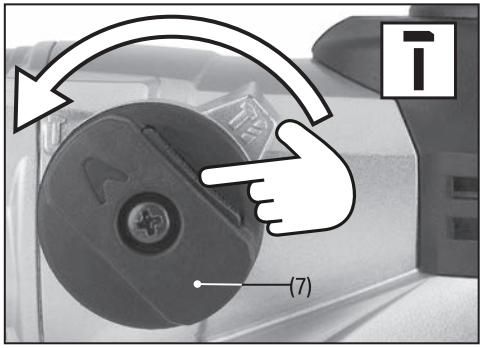


Fig. 6

Rotation/Stop Selector (5)

Rotation

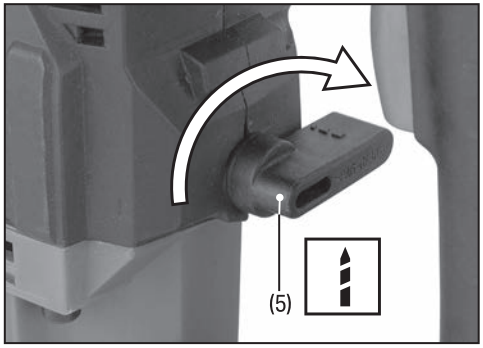


Fig. 7

Chisel

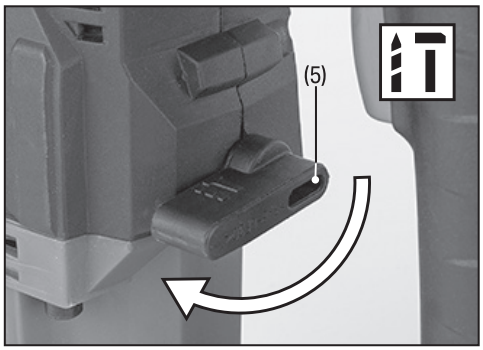


Fig. 8

8.3 Rotary Drilling

- **Set up for standard drilling into wood and metal.**
  1. With the drill in the '**OFF**' position, turn the rotary/ hammer selector (7) to the right.
  2. Then turn the rotation lever (5) to the right.

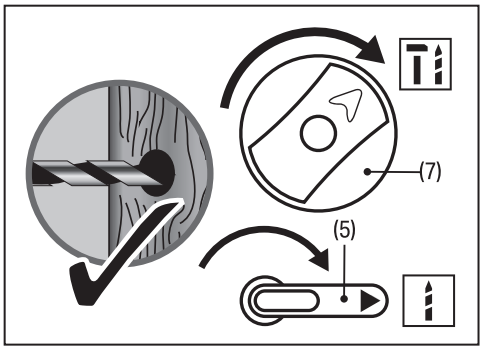


Fig. 9

Drilling Wood and Plastic

- To prevent splitting around the reverse side of the drill hole, place a piece of scrap timber **A** under the material to be drilled.

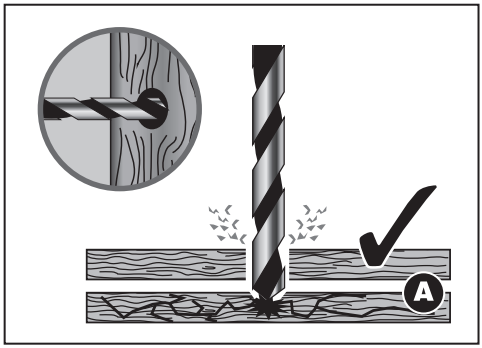


Fig. 10

Drilling Metal (mild steel, aluminium and brass)

Note: Although metal drilling is technically within the capabilities of this drill, the rotational speed may not be fast enough to achieve perfect results every time. For this reason, extra caution should always be taken when drilling metal, as snagging of the drill may occur.

- To help the drill bit tip to locate, mark the point to be drilled with a centre punch **B**.
- To aid drilling and prolong the life of the bit add a drop of oil **C** on the drilling area.

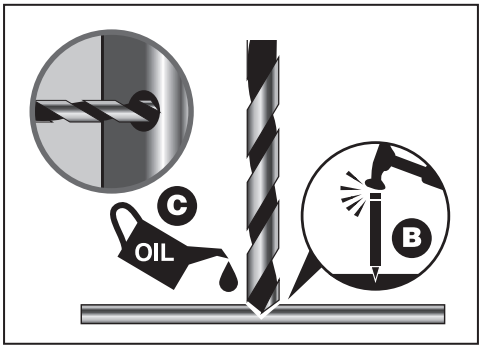


Fig. 11

8.4 Pneumatic Hammer Drilling

- Set up for masonry drilling (brick, concrete, block work etc.).

1. With the drill in the '**OFF**' position, turn the rotary/ hammer selector (7) to the right.
2. Then turn the rotation lever (5) to the left.

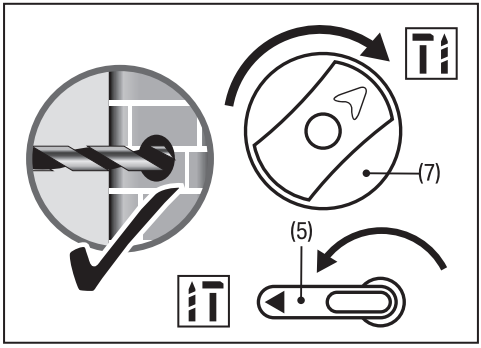


Fig. 12

8.5 Pneumatic Chiselling

- Set up for chiselling with the chuck rotation engaged (chiselling/chasing out brickwork, plasterboard etc).

1. With the drill in the '**OFF**' position, turn the rotary/ hammer selector (7) to the left.
2. Then turn the rotation lever (5) to the left.

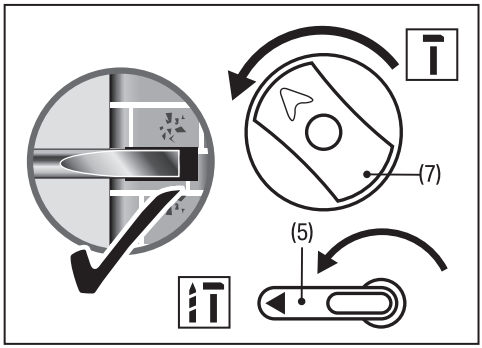


Fig. 13

8.6 Trigger Switch

- Select the required function and pull the trigger (3) to activate the drill.

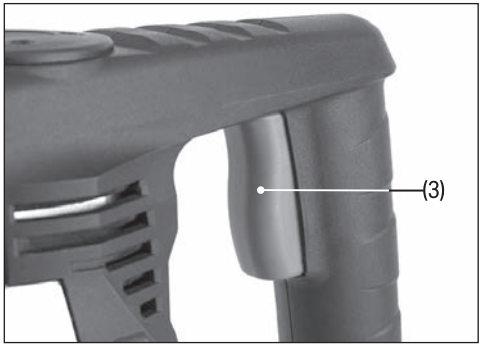


Fig. 14

Important: Read and understand all the health and safety information before attempting to maintain or repair this product.

WARNING! ALWAYS ensure that the tool is switched off, disconnected from the power supply and that the bit has cooled before performing any maintenance or adjustment to this product.

- Other than gearbox care, any servicing on the product should be carried out by authorised service agents **ONLY.**

9.1 General Maintenance

- Keep the tool body, chuck and bits clean and free from dust and debris.
  - Clean the tool body and bits/chisels with a damp cloth **ONLY**.

    Important: DO NOT allow moisture to pass inside the tool.
  - Clean the chuck and dust cover with a dry cloth **ONLY** to prevent dust clogging in and around the opening.
  - Lightly grease the shaft of the bits/chisels before inserting it into the chuck.

CAUTION! DO NOT use solvents or other aggressive chemicals to clean the tool as it may damage plastic or insulated parts.

- Keep all air vents and openings free from dust and debris.
- Keep the bits sharp to reduce the workload of the tool.
- Store the tool in a clean and dry location, out of reach of children.

9.2 Gearbox Care

This product includes a greased gearbox. The grease should be changed at the same time that the carbon brushes are replaced to ensure that the gearbox remains well-lubricated. Loss of impact pressure may also indicate that the gearbox requires re-greasing. General lithium-based grease should be used.

1. Disconnect the power supply and ensure that the tool is completely cool.

   WARNING! The area around the gearbox and its contents become hot during use. ALWAYS ensure that the tool has cooled thoroughly before maintaining the gearbox.

2. Use the two-pin spanner (11) to remove the gearbox access cover (2) by rotating it anticlockwise.

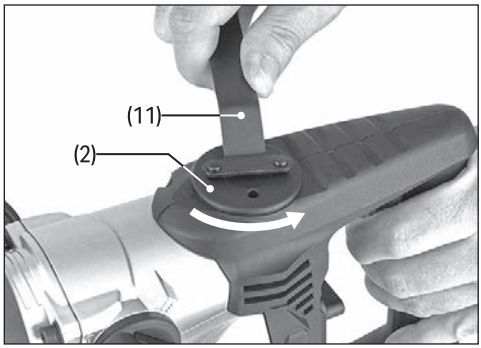


Fig. 15

3. Carefully wipe out the old lubricant and apply no more than 20g of fresh lithium-based grease.

   WARNING! DO NOT overpack the gearbox. Overfilling may cause the tool to fail, overheat, or deliver reduced performance.

4. Replace the gearbox access cover and tighten it securely.

Important: DO NOT overtighten or apply excessive force to the gearbox cover as this may damage the cover thread. If the cover shows any signs of damage or wear, **DO NOT** use the tool until it has been replaced.

WARNING! DO NOT use grease aerosols with this product.

9. Maintenance and Troubleshooting

9.3 Troubleshooting

Problem	Possible cause	Remedy
The motor does not start when the trigger is squeezed.	The tool is not connected to an active power supply.	Check the mains power connection start when the trigger is squeezed.
	The fuse has blown.	Check the fuse in the plug and replace if necessary. If the on-board fuse has blown, contact Draper Tools or support.
Significant sparking can be seen through the air vents.	The motor brushes are worn or binding.	Replace the motor brushes; contact Draper Tools for support.
	The motor brushes are worn.	Replace the motor brushes; contact Draper Tools for support. **DO NOT** continue to use the tool.
The drill emits a strong smell during first use or after replacing the motor brushes.	The motor brushes are being worn in.	This is normal; no action is required.

10. 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.

Dispose of grease and other lubricants separately and in accordance with local regulations; **DO NOT** abandon it in the environment.

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

11. Warranty

Draper Tools products are carefully tested and inspected before shipment and are guaranteed to be free from defective materials and workmanship.

Should the tool develop a fault, return the complete tool to your nearest distributor or contact Draper Tools directly. Contact information can be found at the back of this manual.

Proof of purchase must be provided. 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 covers parts and labour for 24 months from the date of purchase. Where tools have been hired out, the warranty period covers 90 days from the date of purchase.

This warranty does not apply to any consumable parts, batteries 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 Tools repair agent.

In all cases, to make a claim for faulty workmanship or materials within the standard warranty period, please contact or return the product to the place of purchase.

Proof of purchase may be required.

If the place of purchase is no longer trading or if you experience any difficulties with your warranty, please contact Customer Services with the product details and your proof of purchase. Contact details can be found at the back of this manual.

If the tool is not covered by the terms of this warranty, repairs and carriage charges will be quoted and charged accordingly.

This warranty supersedes any other guarantees expressed or implied and variations of its terms are not authorised.

Your Draper Tools guarantee is not effective until you can produce, upon request, a dated receipt or invoice to verify your purchase within the guarantee period.

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

Draper Tools Limited

Contact Details

Draper Tools Limited
Hursley Road
Chandler's Ford
Eastleigh
Hampshire
SO53 1YF
UK

Website: drapertools.com
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

Draper Tools Europe B.V.
Oude Graaf 8
6002 NL
Weert
Netherlands

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