

DRAPER

EN

Original Instructions
Version 4 – May 2025

AIR **CUT-OFF TOOL**

84124



**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: Air Cut-Off Tool

Stock No: 84124

Part No: DAT-ACT

1.2 Revisions

Version 1: November 2017

First release

Version 2: August 2022

Version 3: April 2024

Version 4: May 2025

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

Please visit [drapertools.com/manuals](https://www.drapertools.com/manuals) for the latest version of this manual and the associated parts list, if applicable.

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 air cut off tool is designed to cut light sheet metal and auto body panels.

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.	84124
Part No.	DAT-ACT
Disc size (diameter)	75mm
Speed (no load)	20,000rpm
Maximum operating air pressure	90psi (6.2bar)
Average air consumption	141L/Min (5cfm)
Minimum air line (inner diameter)	3/8" (10mm)
Air Inlet	1/4" BSP
Noise emissions	
Sound pressure level	77dB (A)
Sound power level	88dB (A)
Vibration level	2.38M/S ²
Overall length	208mm
Net weight (tool only)	840g

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 type of work and the area 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.

Important: Read all the Health and Safety instructions before attempting to operate, change accessories, maintain or repair this product. Failure to follow these instructions may result in injury or damage to the user, the product or the workpiece.

4.1 General Health and Safety Precautions

- Only qualified and trained operators should use or adjust the cut off tool.
- **DO NOT** modify this tool. Modifications can reduce the effectiveness of safety measures and increase the risks to the operator.
- Retain the safety instructions for future reference and use by the operator.
- **DO NOT** use the tool if it has been damaged.
- Inspect the tool periodically to verify that the ratings and markings required are attached and legible.
- Keep bystanders away during operation.
- **ALWAYS** Wear appropriate personal protective equipment (PPE). Personal protective safety glasses shall be used; suitable gloves and protective clothing are recommended. For overhead work, wear a safety helmet
- Have your tool serviced by a qualified repair person using only identical replacement parts.

4.2 Additional Safety instructions for Cut Off Tools

- Be aware that the failure of the workpiece or accessories, or even of the inserted tool itself, can generate high-velocity projectiles.
- Always wear impact-resistant eye protection and suitable gloves to protect hands during the operation of the cut off tool. Use hearing protection if required. The level of protection required should be assessed for each use.
- Keep loose clothing, personal jewellery, neck wear, hair or gloves away from the tool and accessories to prevent injury.
- Ensure that the workpiece is securely fixed and supported.
- Ensure that the guard is in place and is in good condition; ensure that the guard is regularly inspected.

- Check that maximum operating speed of the abrasive wheel/disc is equal to, or greater than, the rated speed of the spindle. **DO NOT** use the tool fitted over the maximum recommended speed of an abrasive product.
- Check regularly that the speed of the cut off tool is not higher than that marked on it. These speed checks shall be carried out without the abrasive product mounted and in accordance with the instructions supplied.
- Before placing the hand-held cut off tool on the workbench or on the floor ensure it is turned off and check that the abrasive product has stopped.
- Check that the spindle and spindle threads are not damaged or worn.
- Avoid contact with the rotating spindle and fitted disc/wheel to prevent cutting of hands and other body parts.
- Release the start-and-stop device in the case of an interruption of the energy supply.
- Use only lubricants recommended by the manufacturer.
- If the abrasive product becomes jammed in a cut slot, shut off the tool and ease the disc free. Check that the disc is still correctly secured and not damaged before continuing the operation.
- Grinding sparks can ignite clothing and cause severe burns. Ensure sparks do not land on clothing. Wear fire-retardant clothing and have a bucket of water nearby.
- When using a cut off tool to perform work-related activities, the operator can experience discomfort in the hands, arms, shoulders, neck or other parts of the body. Adopt a comfortable posture while maintaining secure footing and avoiding awkward or off-balanced postures. The operator should change posture during extended tasks; this can help avoid discomfort and fatigue.
- Hold the tool correctly; be ready to counteract normal or sudden movements and have both hands available.
- If the operator experiences symptoms, such as persistent or recurring discomfort, pain, throbbing, aching, tingling, numbness, burning sensations or stiffness, these warning signs should not be ignored.

4. Health and Safety Information

- Be aware of slippery surfaces caused by use of the tool and also of trip hazards caused by the air line or hydraulic hose.
- Proceed with care in unfamiliar surroundings. There can be hidden hazards, such as electricity or other utility lines.
- This cut off tool is not intended for use in potentially explosive atmospheres and is not insulated from coming into contact with electric power. Ensure that there are no electrical cables, gas pipes, etc., which can cause a hazard if damaged by use of the tool.
- **Dusts and fumes generated while using cut off tools can cause a hazard during use.**
 - Risk assessment should include dust created by the use of the tool and the potential for disturbing existing dust.
 - Operate and maintain the tool as recommended in these instructions, to minimise dust emissions.
 - Direct the exhaust so as to minimise disturbance of dust in a dust-filled environment.
- **Vibration hazards**
 - Exposure to vibration can cause disabling damage to the nerves and blood supply of the hands and arms.
 - Wear warm clothing whenever working in cold conditions and keep your hands warm and dry.
 - If you experience numbness, tingling, pain or whitening of the skin in your fingers or hands, stop using the tool and consult a physician.
 - Operate and maintain the tool as recommended in the instructions to prevent an unnecessary increase in vibration levels.
 - **DO NOT** allow the inserted tool to chatter on the workpiece as this is likely to cause a substantial increase in vibration.
 - Hold the tool with a light but safe grip, taking account of the required hand reaction forces because the risk arising from vibration is generally greater where the grip force is higher.

4.3 Additional Safety Instructions for Cutting Discs

- **ONLY** use cutting discs/wheels with this cut off tool.
- Disconnect the cut off tool from the energy supply before fitting or changing the cutting disc/wheel.
- Only use sizes and types of accessories and consumables that are recommended by Draper Tools;

DO NOT use other types or sizes of accessories or consumables.

- Ensure that the dimensions of the abrasive discs are compatible with the cut off tool and that the abrasive product fits the spindle.
- Ensure that the thread type and size of the abrasive product exactly match the thread type and size of the spindle.
- Cutting discs/wheels shall not be used for side grinding.
- Inspect the abrasive product before use. **DO NOT** use abrasive products which may have been dropped or which are chipped, cracked or otherwise defective.
- Ensure that the abrasive product is correctly mounted and tightened before use and run the tool at no load speed for at least one minute in a safe position; stop immediately if considerable vibration or other defects are detected and determine the cause of these defects.
- Avoid direct contact with the fitted disc/wheel during and after use as it can be hot or sharp.
- Store and handle the abrasive product with care in accordance with the manufacturer's instructions.
- Use blotters where they are provided with the bonded abrasive product.

4.4 Additional Safety Instructions for Compressed Air



WARNING! Compressed air can cause severe injury.

- **ALWAYS** turn off and disconnect the air supply before changing accessories, making any adjustments to the product or leaving it unattended.
- **NEVER** direct this product towards yourself or others.
- Ensure that compressed air is not blocked by or in contact with any part of your body.
- **ONLY** use clean, dry and regulated compressed air.



WARNING! NEVER use oxygen, combustible gases or other bottled gases as a supply for this product. Use of these substances may cause the product to explode.

- Draper Tools recommends the use of a whip hose between the tool and the air supply to reduce vibration.



WARNING! Whipping hoses can cause severe injury. Always check for and replace damaged or loose hoses and fittings.

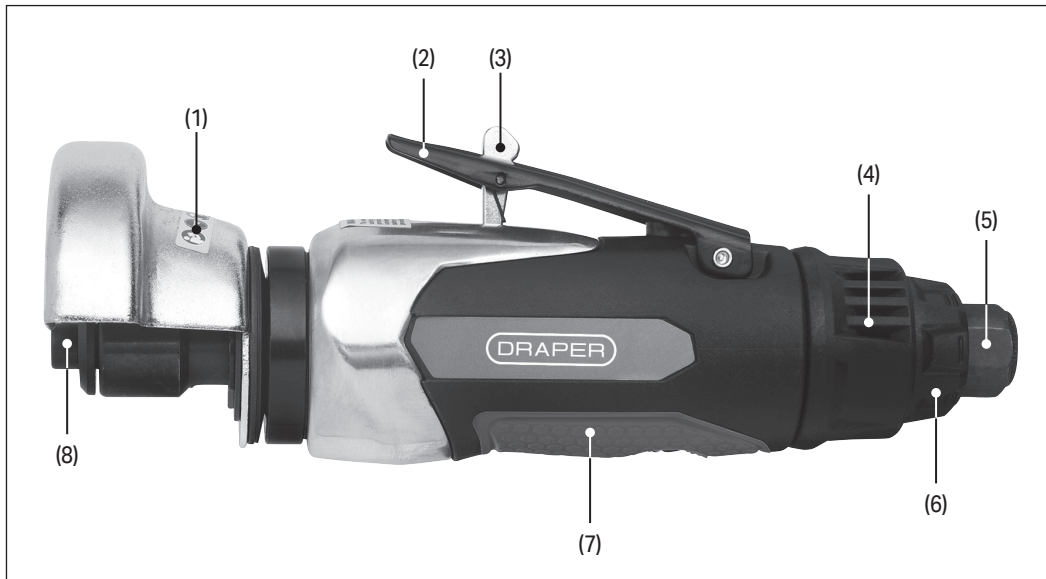
- Ensure that the product is compatible with the air supply before use.
- Ensure all connections are securely tightened.
- Where universal twist couplings (claw couplings) are used, lock pins must be installed and whip check safety cables must be used to safeguard against possible hose-to-tool or hose-to-hose failure.
- **DO NOT** exceed the maximum stated air pressure.
- The use of an inline water separator, lubricator and pressure regulator should be used to control the pressure of the air being supplied to the tool.
- **DO NOT** obstruct the ability of the trigger to release once depressed.
- **NEVER** carry the tool by the air line.

4.5 Residual Risk

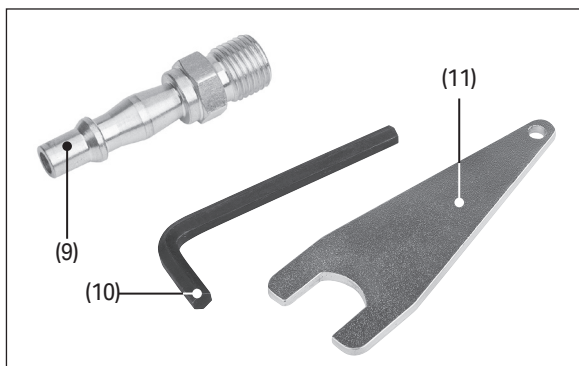
The safety instructions in this manual cannot account for all possible conditions and situations that may occur. Exercise common sense and caution when using this product and protect against any additional conceivable risks.

5. Identification and Unpacking

5.1 Product Overview



- (1) Metal guard
- (2) Trigger
- (3) Trigger safety lever
- (4) 360° adjustable exhaust port
- (5) 1/4" BSP air inlet
- (6) Adjustable 4 speed selector
- (7) Low vibration soft grip
- (8) Locking bolt
- (9) Air line coupling screw adaptor
- (10) Hex key
- (11) Spanner



5.2 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

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Important: Before preparing or adjusting this product, read and understand all the safety instructions listed in this manual.

6.1 Preparing the Air Supply for Use

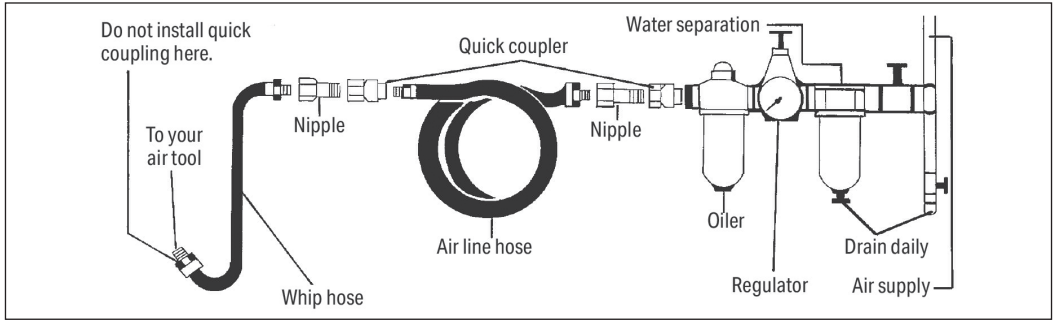


Fig. 1

- This air tool operates at a max. pressure of 6.2bar (90psi).
- ISO grade 22-32 (SAE grade 5W-15W) monograde oil should be used in this air tool.
- During use, the oil must be constantly supplied to the equipment to ensure complete lubrication and optimum performance.
- The compressed air system must be controlled by a combination pressure regulator, in-line lubricator and moisture filter. This will ensure a constant supply of dry air at all times, provided it is properly maintained.
- **Important:** Always check the machine operating pressure before use.
- Water in the compressor tank may cause considerable corrosion to air tools; the compressor should be drained daily to avoid excessive water in the air supply. Dirty or wet air can significantly shorten the lifespan of the product.
- When using an air tool with a hose over 25ft long, Draper Tools recommends increasing the bore of the hose to the next largest available size (i.e. increase 3/8" to 1/2"). This will ensure adequate pressure and volume of air to power the tool.

6.2 Connection to the Air Supply

Important: Always disconnect from the air supply before assembling, carrying out adjustments, servicing or maintenance.

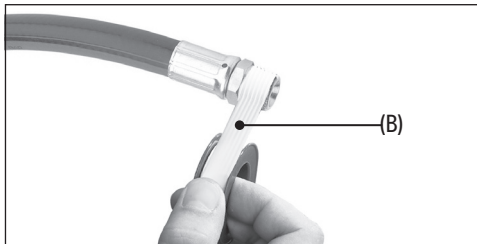


Fig. 2

- Wind a length of PTFE tape (B) around the thread of the whip hose.
- Unscrew and remove the bung from the air inlet (5).

To connect the air tool to an air line, a 1/4" BSP male thread whip hose (A) will be required.

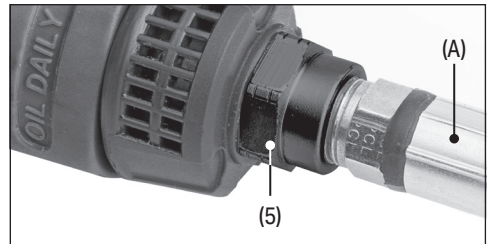


Fig. 3

- Attach the hose via the 1/4" BSP air inlet (5). The connection must be tight for an airtight union.

7. Operating Instructions

Important: Before operating this product, read and understand all the safety instructions listed in this manual.

Note:

- Before connecting the tool to the air supply reduce the line pressure according to the specification.
- Before tool operation and work commences, ensure the compressor reservoir is drained of condensate along with all connected air lines.
- Check and drain the air line regulator's water trap and fill up the lubrication reservoir.

7.1 Fitting Cutting Disc/Wheel

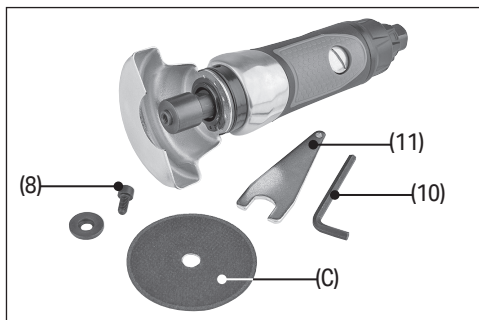


Fig. 4

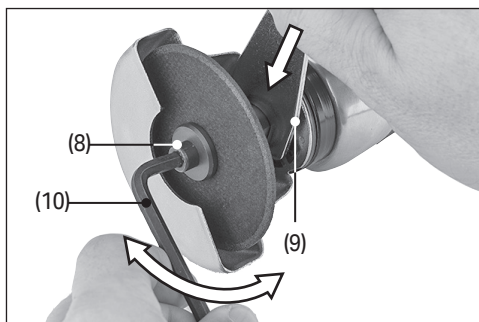


Fig. 5

1. Remove the locking bolt (8) with the spanner (11) and hex. key (10) supplied.
2. Place the spanner on the flat area of the shaft.
3. Insert the hex. key into the bolt head.
4. Remove the bolt and washer.

5. Fit a suitable 75mm cutting disc (C) (not supplied).
6. Refit the washer and bolt through the wheel and tighten with the hex. key.



WARNING!

- **ONLY** use cutting discs/wheels that have a **RPM rating equal or greater than the tool itself.**
- **DO NOT** use grinding discs/wheels on this tool.

7.2 Reposition the Guard

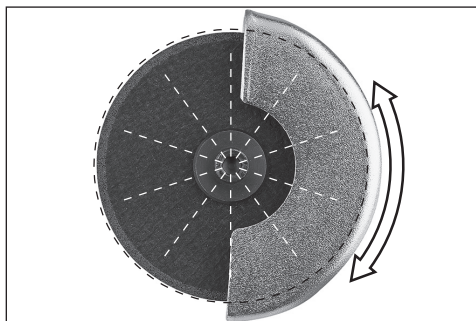


Fig. 6

- The metal guard (1) can be rotated to the desired angle.
- Hold the tool body and rotate the guard.
- As the guard turns it will 'click' into the 10 preset locking positions.

7.3 Trigger Switch

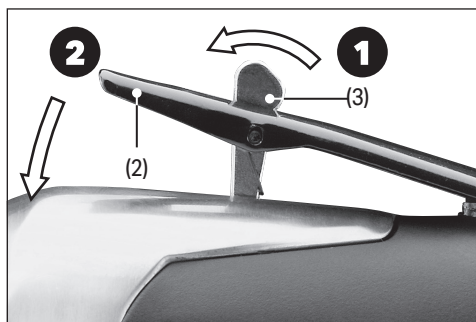


Fig. 7

- To prevent unintentional starting the tool requires two separate actions to switch on the tool.

- Push the trigger release lever (3) forward first, then push the trigger (2) towards the body of the tool.
- Squeeze the trigger to operate the air tool.
- Release the trigger to stop the tool.

7.4 Speed Selector

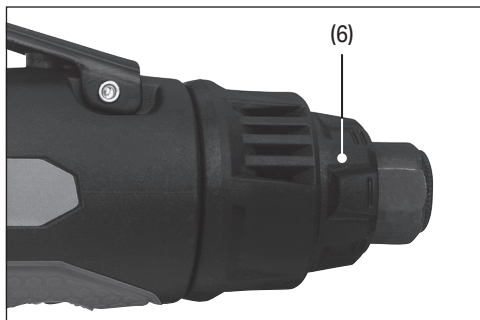


Fig. 8

- Turn the selector (6) between the four speed (I), (II), (III) and (IV) to choose the most appropriate speed for the application.

7.5 Exhaust Port

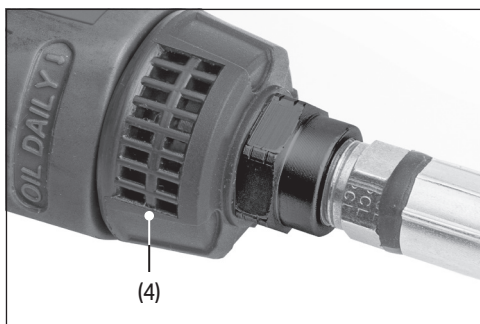


Fig. 9

- Adjust the exhaust port (4) away from yourself and ensure it does not disturb any dust in close proximity.

8. Maintenance and Troubleshooting

 WARNING!

- Disconnect from the air supply before carrying out any adjustments, servicing or maintenance.
- Replace the bung in the end of the air line inlet (5) when the tool disconnected from the air supply and before storing.

8.1 Every-Day Maintenance Checks

Before connection to the air supply:

- Drain the compressor reservoir of condensate.
- Drain the air lines of condensate.

- Drain the combined separator filter, regulator, water trap.
- Fill up the combined separator filter, regulator, lubricant reservoir.
- Check the line pressure is correct for the tool.

8.2 After Use Maintenance Checks

- Repeat the above procedures.
- Lubricate the tool with approximately 1.5ml of oil directly down the air inlet.
- When not in use store in a dry clean place out of the reach of children.

8.3 Troubleshooting

Problem	Possible Cause	Remedy
Tool will not operate.	Motor or throttle seized with dirt.	Check for dirt in air inlet. Pour air tool lubricating oil into air inlet. Operate tool in short bursts. If motor fails to operate contact Draper Tools for advice.
Tool operates slowly.	Rotor vane seized.	Pour air tool lubricating oil into air inlet. Operate tool in short bursts. If still not functional, contact Draper Tools for advice.
Spindle seized.	Motor vane broken.	Contact Draper Tools for advice.
Tool will not shut off.	'O' ring throttle valve dislodged.	Replace 'O' ring or contact Draper Tools for advice.

9. Spares, Returns and Disposal

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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.

10. Warranty

Six months from date of purchase –
Visit [drapertools.com/warranty](https://www.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		Warning!
	Direction of rotation		Warning! Risk of crushing
	Wear face mask and safety glasses		European conformity
	Wear ear defenders		UK Conformity Assessed
	Wear protective gloves		

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