Our products are designed to be used correctly and with care for the purpose for which they are intended. No liability is accepted by The Tool Connection Ltd. for incorrect use of any of our products, and the Tool Connection Ltd cannot be held responsible for any damage to personnel, property or equipment when using the tools. Incorrect use will also invalidate the warranty.

If applicable, the applications database and any instructional information provided has been designed to offer general guidance for a particular tool's use and while all attention is given to the accuracy of the data no project should be attempted without referring first to the manufacturer's technical documentation (workshop or instruction manual) or the use of a recognised authority such as Autodata.

It is our policy to continually improve our products and thus we reserve the right to alter specifications and components without prior notice. It is the responsibility of the user to ensure the suitability of the tools and information prior to their use.

7626_Instructions_V4

Guarantee

If this product fails through faulty materials or workmanship, contact our service department direct on: +44 (0) 1926 818186. Normal wear and tear are excluded as are consumable items and abuse.

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The Complete Connection

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LASER®

7626

Flexible Head Air Cut-Off Tool

www.lasertools.co.uk

Flexible Head Air Cut Off Tool

With its low weight design, comfort grip and 3-position flexi-head design, this cut off tool from Laser Tools is the perfect addition to your tool box. Features an easy to use safety lock off throttle lever, speed control, forward and reverse cutting wheel rotation, adjustable-position rear exhaust, 0.7 horsepower rating, free speed 16,000 revolutions per minute, and consumes 3.6 cubic-feet per minute at 90psi.

The 3-position flexi-head is quickly adjusted to 25° up or down from the standard straight position by releasing the securing clamp and repositioning the head. As the cutting wheel guard position can also be adjusted, this allows a very versatile range of cutting wheel angles and positions to assist when access is difficult. The rear exhaust port is also adjustable through 360° to further assist operator safety when access is difficult.

Components

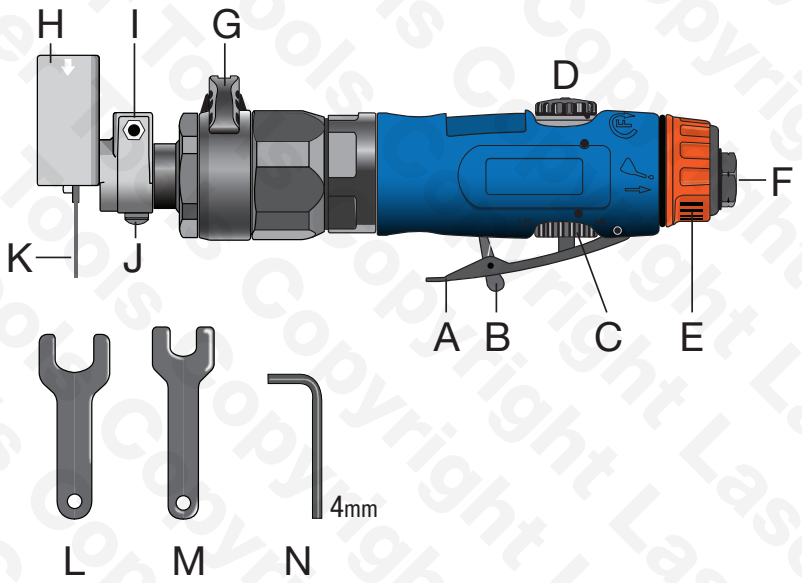
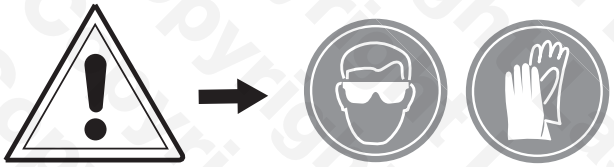


Fig 1

A	Trigger	**H**	Cutting wheel guard
B	Trigger safety lock	**I**	Guard position lock screw
C	Speed control	**J**	Guard securing screw
D	Forward/Reverse control	**K**	Cutting disc (available separately)
E	Rotating adjustable exhaust port	**L**	Cutting wheel securing nut key
F	Air inlet	**M**	Spindle lock key
G	Flexi-Head securing clamp	**N**	4mm Hex key

Safety Precautions



- Eye and face protection plus heavy work gloves and suitable work clothing must be used. A cutting wheel that breaks can cause very serious injury. Never wear loose clothing or jewellery that could be trapped by moving parts.
- Ensure that every user reads and understands these instructions.
- **Dust hazard**: a suitable-grade dust mask or respirator must be used for any dust-generating operations, particularly on glassfibre substrates.
- **Vibration hazard**: exposure to vibration can cause damage to nerves and blood supply of the hands and arms. If you experience numbness, tingling, pain or whitening of the skin in fingers or hands, stop using the tool immediately.
- **Noise hazard**: unprotected exposure to high noise levels can cause hearing loss and tinnitus (ringing or buzzing in the ears). Wear suitable ear protection as required by occupational health and safety regulations.
- Do not attempt to remove or change a cutting wheel until the tool has been disconnected from the compressed air supply.
- Correct cutting wheel mounting is necessary to prevent injury from broken wheels. Do not use chipped or cracked cutting wheels.
- Cutting wheels should fit cleanly over the spindle to prevent stress at the hole. Do not use any additional washers or spacers to mount the cutting wheel.
- Never use a cutting wheel that is marked and specified with a speed lower than the tool speed.

Specifications

Disc / cutting wheel size	3" (75mm)
Horsepower	0.7
Weight	1.1kg (2.4 lbs)
Length	250mm
Guard rotation	360°
Free-speed RPM	16,000
Air inlet	1/4"
Recommended air hose size	3/8" internal diameter
Maximum air pressure	90psi (6.2 bar)
Average air consumption	3.6 CFM

75mm cutting wheels are available from Connect Workshop Consumables: (Part No. 30460 - pack of 5).

Compressed Air Supply

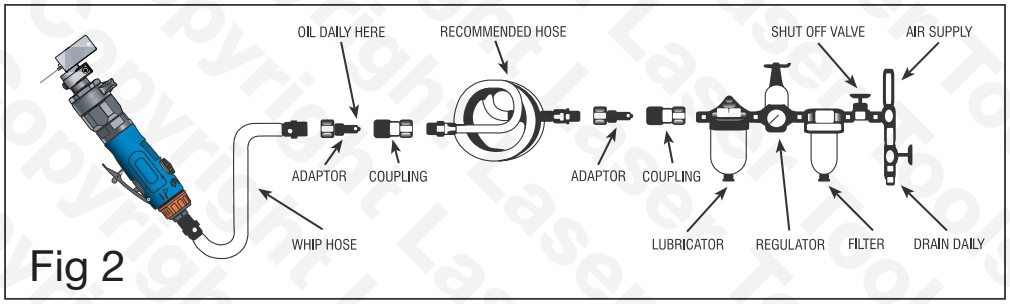


Fig 2

The tool must be connected to a suitable, clean, dry and lubricated workshop air supply (refer to Figure 2, this is the recommended workshop air supply procedure). It is recommended that the air pressure measures 90psi at the tool while running free. Water in the air line will damage the tool. Drain the air tank daily and drain any dryer/filter unit when necessary.

Operation

Lubrication:

For first use of the tool, add a few drops of high quality air tool oil to the tool air inlet (**F**). In use, if an in-line oiler is not installed, add a few drops of high quality air tool oil daily, squirted into the tool air inlet. Adequate lubrication will help to ensure long tool service life.

Note: after an air tool has been directly lubricated, oil will discharge through the exhaust port during the first few seconds of operation. Cover the exhaust port (**E**) with a cloth to collect this discharged oil.

When tool is not in use, disconnect from compressed air supply.

Regulating the speed:

Refer to **Figure 1**: the speed of the instrument is adjusted by turning the speed control (**C**) towards LO or HI.

Cutting Wheel Direction: Forward or Reverse:

Refer to **Figure 3**: the cutting wheel direction (forward or reverse) is set by turning the Forward/Reverse control (**D**) to the left for forward, or to the right for reverse.

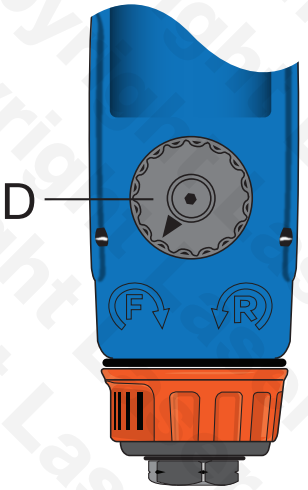


Fig 3

Fitting the Cutting Wheel

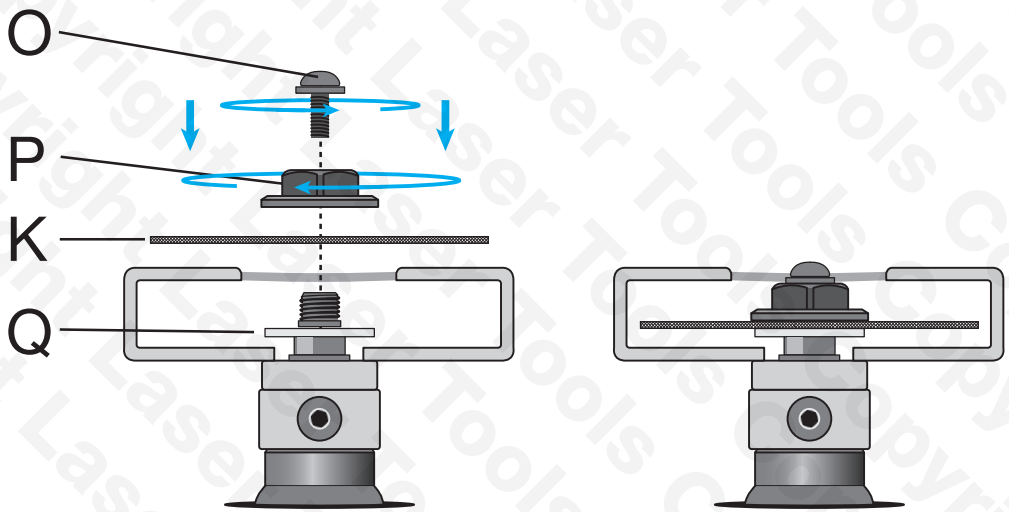


Fig 4

- First lock the tool spindle with the spindle lock key (**M** in **Figure 1**).
- Refer to **Figure 4**: remove the cutting wheel reverse lock screw (**O**) with the 4mm hex key (**N** in **Figure 1**). Note: this screw has a left-hand thread and is designed to lock the cutting wheel securing nut (**P**) when the tool is being used in the reverse cutting direction.
- Now remove the cutting wheel securing nut (standard right-hand thread) with the cutting wheel securing nut key (**L** in **Figure 1**).
- The cutting wheel (**K**) is placed over the location washer (**Q**), then reassemble the securing nut (**P**) and the reverse lock screw (**O**), making sure that they are tightly secured.

Flexible Head Adjustment

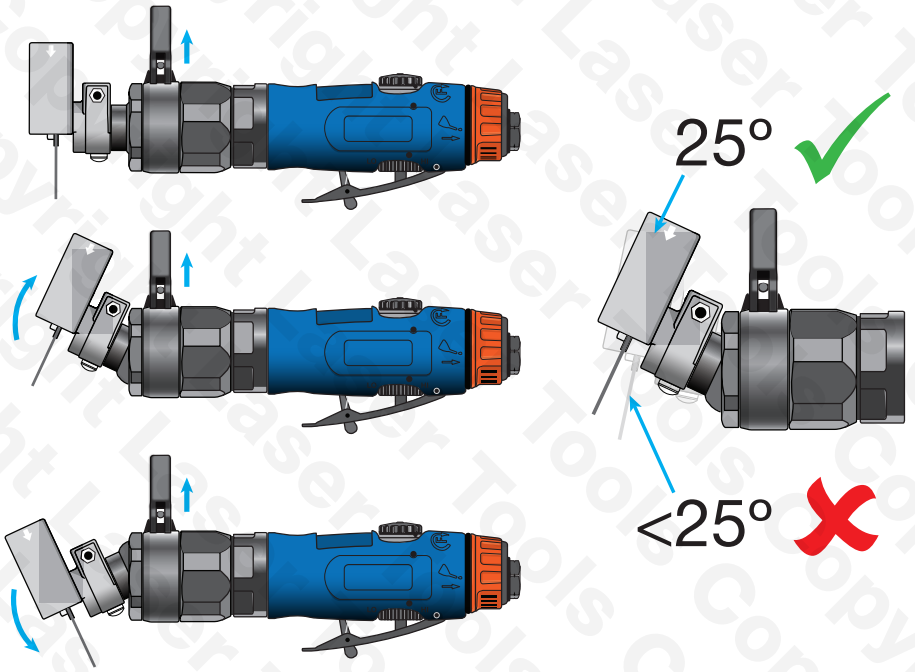


Fig 5

Refer to **Figure 5**: the 3-position flexi-head is quickly adjusted to 25° up or down from the standard straight position by releasing the securing clamp (**G** in **Figure 1**) and repositioning the head.

Note: there are three positions only - 25° up or down from the standard straight position, and the cutting head will click positively into each of the three positions. **Do not adjust the cutting head to less than 25°**, as although the securing clamp may be closed, the cutting head position will slip as the tool is being used, which may result in damage or injury.

Using the Cut Off Tool

When using the tool, take care not to exert excessive force; burning of the work piece or obvious speed reduction indicates too much force being applied. Start up the tool away from the work piece and set it down onto the area to be cut steadily and with care. Move in the direction of the cut. When cutting is finished, lift the tool away from the work piece before stopping the motor.

Always use the cutting wheel guard, and position it so that the guard faces the operator. Before using, test the cutting wheel by briefly running under a barrier (under a heavy work bench for example), to stop any possible broken wheel parts or debris.