

DÜREN

TOOLS

Part Code: 625624

Air Operated Orbital Sander with 75mm Pad

Instruction Manual



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625624

Instruction Manual

IMPORTANT

Please read through this Manual carefully before using the 625624.

This tool must only be used for sanding and within the parameters outlined in this manual. All users of the equipment should be trained in any risks associated with the products they are sanding or using as finishing aids.



Tool Use

This Air Operated Dual Action Sander is designed for the purpose of sanding a variety of coatings from steel, wood, plastics, etc.

Usefull Links



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Product
Information

Specification

Pad Diameter	3"/75mm
Pad Thread Size	M6
Free Speed	15,000RPM
Minimum Disc Speed	18,000RPM
Operating Pressure	90Psi/6.3BAR
Air Consumption	4CFM
Air Inlet	1/4" BSP
Vibration Level	6.56m/s ²
Noise Level	86aD(A)
Weight	690g
Length	170mm

Determination of the test results includes consideration of measurement uncertainty from the test equipment and methods.

Safety Instructions

These instructions are intended as a guide to the correct use of this equipment. The process or materials being sanded may have risk characteristics requiring additional safety measures and these must be identified by the user. All users of this sander must be thoroughly acquainted with this manual.

Before Use and Before Using Tool for the First Time

- Make sure you have the relevant Personal Protection Equipment (PPE).



Hand Protection

The pad revolves at high speed and may cause damage if brought into contact with exposed flesh. The workpiece and the pad may also get hot after prolonged use. Hand protection must be strong enough to protect the skin and be a good fit and have no loose parts that may get caught in rotating parts.

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Eye and Breathing Protection

The sanding process will create dust and other airborne particles. There is no dust extraction function on this machine so it is essential that approved eye and breathing protection is worn.



Noise and Ear Protection

Depending on the material being worked on and the type of sanding disc used, noise levels may cause hearing damage including temporary or even permanent hearing loss. It is recommended that Ear Protection is worn at all times when using the sander.

Repetitive Strain Injury (RSI)

All products of this nature can cause RSI if used for long period, particularly in an awkward operating position. Adequate rest periods and working conditions should be considered for prolonged use.

General Safety Information

- 1 Ensure the sanding pad is equal to or greater than 120% of the stated RPM of the sander.
- 2 Keep the workplace clean and tidy.
- 3 Use the tool in a well ventilated area.
- 4 Air hoses can present a trip hazard, always keep hoses in a way that minimises trip hazards.
- 5 DO NOT hold the workpiece by hand, always make sure the workpiece is clamped securely.
- 6 Keep all flammable and combustible materials away from the work area.
- 7 Children and other unauthorised persons should be kept away from the work area.
- 8 NEVER use the sander whilst the floor underfoot is wet or slippery.
- 9 NEVER use the sander when standing on an unstable surface.
- 10 Keep the sander out of reach of children.
- 11 Analyse the material you are sanding. Be aware of the dangers of sanding lead based paints. Historically, paint contained lead and sanding such paint will cause toxic dust. If you suspect that lead could be in the paint the following actions must be observed;
 - Alert any other persons in the nearby and keep them away from the working area.
 - Use specific air fed respirator, PE coated coveralls and latex gloves.
 - Dispose of any dust and paint waste correctly and thoroughly clean the workpiece and working area after the sanding has finished.
- 12 NEVER attempt to sand materials containing asbestos.
- 13 VIBRATION. Hand held air tools may produce vibration. Vibration from sanders can cause disease. The use of gloves will help reduce the risk and can help prevent injury.
- 14 Disconnect the air supply before changing disc or pad.
- 15 Ensure the sander has stopped rotating before putting it down or handling the pad or disc.
- 16 NEVER carry the sander by the air hose.
- 17 NEVER point the sander at other persons.
- 18 NEVER operate the sander whilst under the influence or drugs, alcohol or intoxicating medication.
- 19 Check you have no loose clothing, hair, jewellery or any other items of a personal nature that might become entangled with the rotating parts.
- 20 Check you have a maximum inlet air pressure of 90PSI/6.3BAR.

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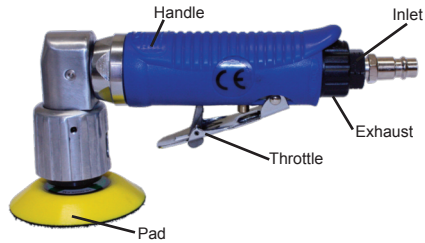
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Familiarise Yourself with the Controls

- 1 The throttle is pressure sensitive. Applying pressure will increase rotational speed.
- 2 Removal of all pressure will stop the machine.
- 3 Some models are fitted with a safety lock to prevent accidental starting. IF FITTED, this should be locked at all times when the sander is left under power.
- 4 Never leave the tool unattended and connected to the power supply.

**During Use**

- 1 When using the sander for long periods of time, check the sanding disc for wear.
- 2 Replace worn discs as worn or clogged discs will make the sander inefficient.
- 3 The sanding operation will cause heat. Check the material that is being worked on that it is not getting too hot. If this is occurring, stop sanding to allow the material to cool down.
- 4 You can adjust the speed of the tool by adjusting the pressure you apply to the throttle.
- 5 Make regular checks on the sanding pad for wear and damage and replace them immediately.
- 6 Due to the potential heat caused by the sanding process, keep flammable liquids and gases well away from the work area.

Installation

- 1 Check the tool over to make sure no part is missing or damaged.
- 2 Fitting an Air Filter, Regulator and Lubricator is recommended.
- 3 Refer to **Fig. 1** for the recommended airline setup.

Fig. 1

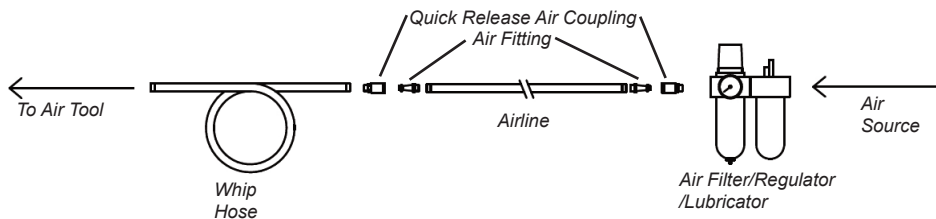
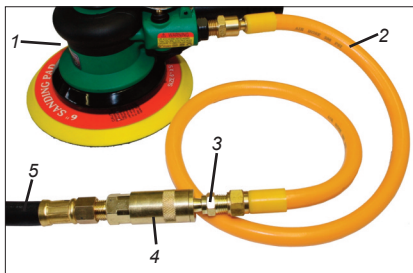


Fig. 2



We recommend that your air tool is connected to the main airline in the way displayed in Fig. 2.

- 1: Air Tool
- 2: Whip Hose/Leader Hose
- 3: Air Fitting
- 4: Quick Coupling
- 5: Main Air Hose

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- 4 It is strongly advised that you always use a Whip Hose/Leader Hose in combination with Quick Release Couplings. See **Fig. 2** for recommended setup.
- 5 Water in the air supply will cause the internal bearing of the tool to rust and eventually seize.
- 6 Make sure that your airline is free from water at all times.
- 7 Always select the correct sanding disc grit for the job.

Tools Included with your Sander



1 x High Flow Male Air Fitting



1 x Round Bar

Maintenance

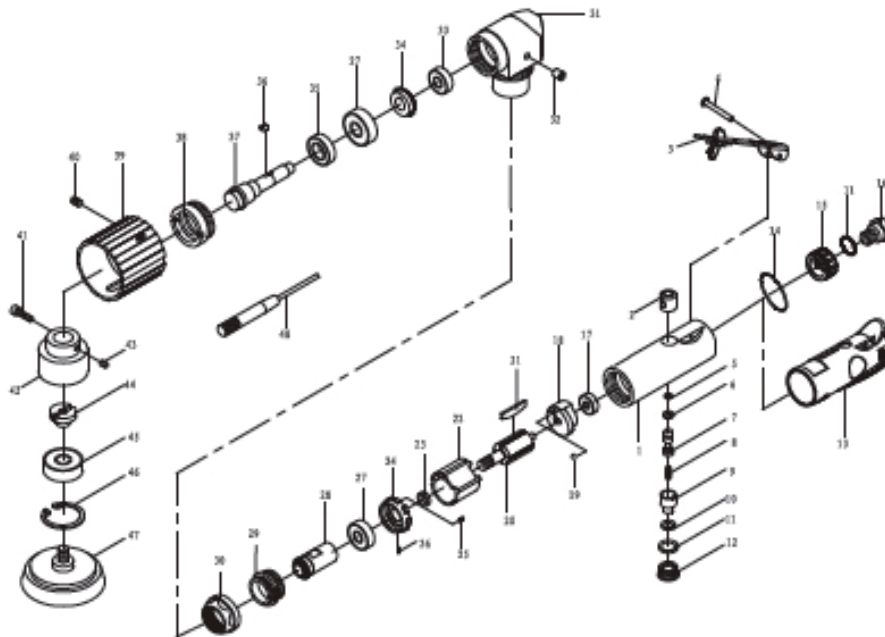
- 1 If the air supply is not lubricated sufficiently it will be necessary to lubricate the tool directly. This can be done by disconnecting the air hose and pouring in 5ml of air tool oil into the Air Inlet. Read safety data sheet or instructions on use of oil to ensure safe usage. These can be obtained from your supplier.
- 2 Replace worn or damaged parts using genuine parts only.
- 3 Store tool in a dry area, do not allow tool to be immerse in water or used/stored in wet conditions.

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Parts Diagram

625624 Mini Orbital Sander



Ref.	Code	Description	Q'ty	Ref.	Code	Description	Q'ty
1	625624/1	Housing	1	31	625624/31	Front Housing	1
2	625624/2	Valve Bushing	1	32	625624/32	Oil Inlet	1
3	625624/3	Trigger Component	1	33	625624/33	Bearing	1
4	625624/4	Rivet	1	34	625624/34	Drive Bevel Gear	1
5	625624/5	O-Ring	1	35	625624/35	Bearing	1
6	625624/6	O-Ring	1	36	625624/36	Woodruff Key	1
7	625624/7	Pin	1	37	625624/37	Drive Shaft	1
8	625624/8	Spring	1	38	625624/38	Screw Retainer	1
9	625624/9	Adjusting Knob	1	39	625624/39	Flywheel	1
10	625624/10	O-Ring	1	40	625624/40	Screw	2
11	625624/11	O-Ring	2	41	625624/41	Screw	1
12	625624/12	Nut	1	42	625624/42	Eccentric Wheel	1
13	625624/13	Jacket	1	43	625624/43	Screw	1
14	625624/14	O-Ring	1	44	625624/44	Bearing Body	1
15	625624/15	Muffler Cover	1	45	625624/45	Bearing	1
16	625624/16	Air Inlet Connector	1	46	625624/46	Snap Ring	1
17	625624/17	Bearing	1	47	625624/47	3" Pad	1
18	625624/18	Back Cylinder Head	1	48	625624/48	Round Bar	1
19	625624/19	Steel Ball	2				
20	625624/20	Rotor	1				
21	625624/21	Blade	4				
22	625624/22	Cylinder	1				
23	625624/23	Washer	1				
24	625624/24	Front Cylinder Head	1				
25	625624/25	Straight Pin	1				
26	625624/26	Pin	1				
27	625624/27	Bearing	2				
28	625624/28	Bevel Gear	1				
29	625624/29	Locking Ring	1				
30	625624/30	Hexagon Nut	1				

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Warranty

We hope that you will be very happy with your purchase. If you do have a problem with your tool, you have the added peace of mind of a 6 month warranty, which comes into date from the date of purchase (proof of purchase required).

Scope of Warranty

- The warranty will cover you from all faults caused by defective components or poor workmanship.
- Tools sent outside the EU are not covered by this warranty.
- Product must be returned to us, the warranty does not cover cost of carriage.
- If the product is no longer in manufacture, it will be replaced with a tool of equivalent or higher specification.

What is not covered

- Normal wear and tear caused by use in accordance with the operating instructions.
- Replacement of any provided accessories, such as Backing Pads, Airline Connections, Air Fittings, Blades, Spanners, etc.
- Accidental damage, faults caused by negligent use or care, neglect, misuse or careless operation, handling and storage of the product.
- Modification of, or change of, any part of this product in any way.
- Faults caused by use of non compatible accessories.
- Tool seizure caused by insufficient oiling.
- Faults caused by incorrect installation.
- Repairs or alterations carried out by non-approved parties.
- Traces of water or rust inside tool - this shows that a properly working air filter has not been used.

Validity

- This warranty is valid for 6 months after date of purchase.
- Warranty is rendered invalid if;
 - Tool is taken apart for any reason without our consent.
 - Tool is not oiled daily.
 - Air supply line is not used with a properly working air filter.
- A warranty claim will not be accepted without an official proof of purchase from your supplier.

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Declaration of Conformity

We declare that the equipment detail below, to the best of our knowledge and ability, complies with the following Directive.

Machinery Directive - 2006/42/EC and amending Directives

Equipment Description	Air Operated 3" Dual Action Sander
Part Code	625624
Distributed in the EU by	Duren Tools, part of Fast Mover Tools Ltd
Address	Unit 1 Frenchs Avenue Dunstable Bedfordshire LU6 1BH United Kingdom

The following Transposed Harmonised Standards have been applied in the design and construction of this equipment:

BSEN12100:	Parts 1 and 2: Safety of Machinery - Basic concepts, general principles of design
BSEN792:	Part 8: Hand held, non-electric power tools - Safety requirements - Sanders and polishers

The manufacturer and the distributor, stated above, hold the Technical Construction File for this equipment.

Signed on behalf of the distributor
(the responsible person)



Name:	Brian Moffitt
Position:	Director
Date and Place:	01/11/13, Dunstable, UK



Please look after the environment, dispose of all packaging in a responsible way.
Always dispose of tools in accordance with local authority guidelines.

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