

# DÜREN

## TOOLS

**Part Code: 321275**

Air operated 10mm Belt Sander  
Instruction Manual



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## **IMPORTANT**

**Please read through this Manual carefully before using the 321275.**

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.



### **Specification**

Free speed	16,000 RPM
Air Consumption	3.5 CFM
Air Pressure	90PSI/6.3BAR
Air Inlet	1/4BSP
Net Weight	0.8Kg
Belt Size	10x330mm
Noise Level	Lpa:89; Lwa:10
Vibration Level	0.9m/s <sup>2</sup> Max

### **Tool Use**

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

### **Useful Links**



[www.duren.co.uk](http://www.duren.co.uk)



Product  
Information

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.



1 x High Flow Male Air Fitting

## **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.
- 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.

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## Entanglement Hazards

Choking, scalping and/or lacerations can occur if loose clothing, personal jewellery, neck wear, hair or gloves are not kept away from the tool and its accessories.

## Operating Hazards

- a) Use of the tool can expose the operator's hands to hazards, including cuts, abrasions and heat.
- b) Wear suitable gloves to protect hands.
- c) Operators and maintenance personnel should be physically able to handle the bulk weight and power of the tool.
- d) Hold the tool correctly; be ready to counter act normal or sudden movements: and have both hands available.
- e) Maintain a balanced body position and secure footing.
- f) Release the start and stop device in the case of an interruption of the energy supply.
- g) Use only lubricants recommended by the manufacturer.
- h) Personal protective safety glasses should be used; suitable gloves and protective clothing are recommended.
- i) Avoid direct contact with moving parts in order to prevent pinching or cutting of hands or other body parts.
- j) There is a risk of electrostatic discharge if used on plastic and other non-conductive materials.

## Repetitive Motion Hazards

- a) When using this tool to perform work-related activities, the operator can experience discomfort in the hands, arms, shoulders, neck or other parts of the body.
- b) While using this tool the operator should adopt a comfortable position maintaining secure footing and avoiding awkward or off-balance postures. The operator should change posture during extended tasks; this can help avoid discomfort and fatigue.
- c) 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. The operator should inform the employer and consult a qualified health professional.

## Accessory Hazards

- a) Disconnect the tool from the energy supply before fitting or changing the inserted tool or accessory.
- b) Avoid direct contact with the inserted tool during and after use, as it can be hot or sharp.
- c) Use only sizes and types of accessories and consumables that are recommended by the manufacturer of this tool; do not use other types or sizes of accessories or consumables

## Workplace Hazards

- a) Slips, trips and falls are major causes of workplace injury. Be aware of slippery surfaces caused by use of the tool and also of trip hazards caused by the air line or hydraulic hose.
- b) This tool is not intended for use in potentially explosive atmospheres and is not insulated against contact with electric power.

## Dust & Fume Hazards

- a) Dust and fumes generated when using this tool can cause ill health (for example cancer, birth defects, asthma and/or dermatitis); risk assessment and implementation of appropriate controls for these hazards are essential.
- b) Risk assessment should include dust created by the use of the tool and the potential for disturbing existing dust.
- c) Direct the exhaust so as to minimise disturbance of dust in a dust-filled environment.
- d) Where dust or fumes are created, the priority should be to control them at the point of emission.
- e) Select, maintain and replace the consumable inserted tool as recommended in the instruction handbook, to prevent an unnecessary increase in dust or fumes.
- f) Use respiratory protection in accordance with employer's instructions and as required by occupational health and safety regulations.

## Noise Hazards

- a) Exposure to high noise levels can cause permanent disabling hearing loss and other problems, such as tinnitus (ringing, buzzing, whistling or humming in the ears). Therefore, risk assessment and implementation of appropriate controls for these hazards are essential.
- b) Appropriate controls to reduce the risk can include actions such as damping material to prevent work pieces from 'ringing'
- c) Use hearing protection in accordance with employer's instructions and as required by occupational health and safety regulations.
- d) Operate and maintain this tool as recommended in the instruction handbook, to prevent an unnecessary increase in the noise level.
- e) Select, maintain and replace the consumable inserted tool as recommended in the instruction handbook, to prevent an unnecessary increase in noise.
- f) If the tool has a silencer, always ensure it is in place and in good working order when the tool is being operated.

## Vibration Hazards

- a) Exposure to vibration can cause disabling damage to the nerves and blood supply of the hands and arms.
- b) Wear warm clothing when working in cold conditions and keep your hands warm and dry.
- c) If you experience numbness, tingling, pain or whitening of the skin in your fingers or hands, stop using the machine, inform your employer and consult a physician.
- d) Operate and maintain the sander or polisher as recommended in the instruction handbook, to prevent an unnecessary increase in vibration levels.
- e) Hold the tool with a light but safe grip, taking account of the required hand reaction forces, because the risk from vibration is generally greater when the grip force is higher.

## Additional Safety Instructions for Pneumatic Power Tools

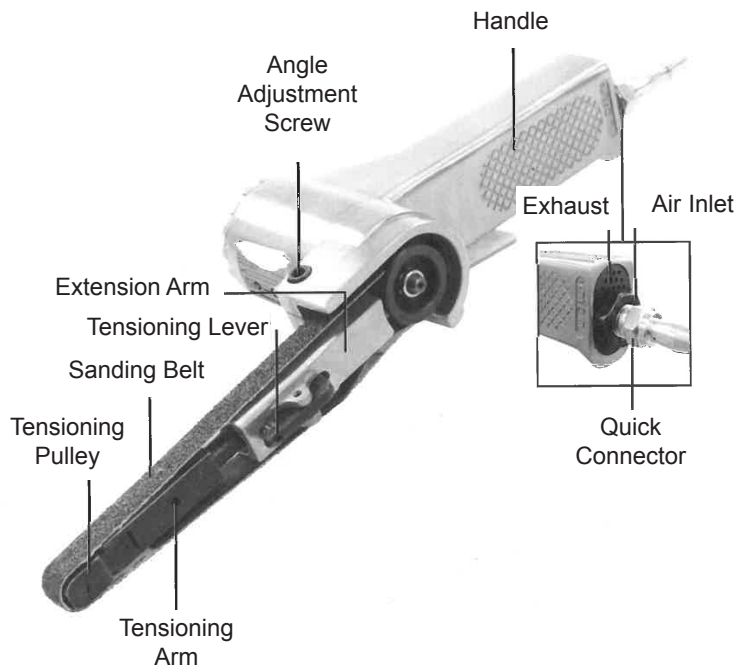
### Air under pressure can cause severe injury:

- Always shut off air supply, drain hose of air pressure and disconnect tool from air supply when not in use, before changing accessories or when making repairs.
- Never direct air at yourself or anyone else.
- Whipping hoses can cause severe injury. Always check for damaged or loose hoses and fittings.
- Whenever universal twist couplings (claw couplings) are used, lock pins should be installed and whip check safety cables should be used to safeguard against possible hose-to-tool or hose-to-hose connection failure.
- Do not exceed the maximum air pressure stated on the tool.
- Never carry an air tool by the hose.

## Sanding Tool Safety WARNING!

- **Use clamps or another practical way to secure the work piece to a stable platform.** Holding the work piece by hand or against the body makes it unstable and may lead to a loss of control.
- a. **ALWAYS wear appropriate protective equipment, including a dust mask with a minimum FFP2 rating, eye protection and ear defenders.**
- b. **Ensure all people in the vicinity of the work area are also equipped with suitable personal protective equipment.**
- c. **Take special care when sanding some work (such as beech, oak, mahogany and teak) as the dust produced is toxic and can cause extreme reactions.**
- d. **NEVER use to process any materials containing asbestos.** Consult a qualified professional, if you are uncertain whether an object contains asbestos.
- e. **DO NOT sand magnesium or alloys containing a high percentage of magnesium.**
- f. **Be aware of paint finishes or treatments that may have been applied to the material that is being sanded. Many treatments can create dust that is toxic or otherwise harmful. If working on a building constructed prior to 1960, there is an increased chance of encountering lead-based paints.**
- g. **The dust produced when sanding lead based paints is particularly hazardous to children, pregnant women and people with high blood pressure. DO NOT allow these people near to the work area, even if wearing appropriate personal protective equipment.**
- h. **Whenever possible, use a vacuum dust extraction system to control dust and waste**
- i. **Be especially careful when using a machine for both wood and metal sanding. Sparks from metal can easily ignite wood dust. ALWAYS clean your machine thoroughly to reduce the risk of fire.**
- j. **Empty the dust bag or container (where applicable) frequently during use, before taking breaks and after completion of sanding. Dust may be an explosion hazard. DO NOT throw sanding dust into an open fire. Spontaneous combustion may occur when oil or water particles come into contact with dust particles. Dispose of waste materials carefully and in accordance with local laws and regulations.**
- k. **Work surfaces and sandpaper can become very hot during use, if there is evidence of burning (smoke or ash), from the work surface, stop and allow the material to cool. DO NOT touch work surface or sandpaper until they have had time to cool.**
- l. **DO NOT touch the moving sandpaper**
- m. **ALWAYS switch off before you put the sander down.**
- n. **DO NOT use for wet sanding. Liquids entering the motor housing can cause severe electric shocks.**
- o. **ALWAYS unplug the sander from the mains power supply before changing or replacing sandpaper.**
- p. **Even when this tool is used as prescribed it is not possible to eliminate all residual risk factors. If you are in any doubt as to safe use of this tool, do not use it.**

# Parts Diagram



## Accessories (Not Shown):

2 x Sanding Belt (60 grit)  
Hex Key

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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 12 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 12 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.

## 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	10mm Belt Sander
Part Code	321275
Distributed in the EU by	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:

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

EN ISO 11148-8:2011 Part 8: Hand held non – electrical power tools- safety requirements – sanders and polishers

Signed on behalf of the distributor  
(the responsible person)

  
.....

Name: Brian Moffitt  
Position: Director  
Date and Place: 30/11/17, 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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