

DÜREN TOOLS

Product Code: 321288

LIGHTWEIGHT 180MM POLISHER

Product Instruction Manual



DÜREN
TOOLS

WARNING!

Please read through this manual carefully before using the 321288.

This tool must only be used for polishing 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 polishing or using as finishing aids.

WARNING! Tool not for use in work areas covered by Ex-protection regulations

TECHNICAL DATA

Nominal Power:	1200W
Mains Voltage:	230V / 50Hz
Speed, unloaded:	1,000-3,800 rpm
Cap Size:	Ø180 mm



SAFETY INSTRUCTIONS

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



Eye and Breathing Protection

The polishing process may 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 polishing 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 polisher.

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.

Safety Instructions

The owner and/or the operator **MUST** read, understand and comply all points listed below.

1. You **MUST** check all electrical products, before use, to ensure that they are safe.
2. You **MUST** inspect plugs, sockets, power leads and any other connectors for wear or damage.
3. You **MUST** have any worn or damaged plugs, sockets and power leads replaced immediately upon discovery.
4. You **MUST** ensure that the risk of electric shock is minimised by the installation of appropriate safety devices.
5. A Residual Current Circuit Breaker (RCCB) should be incorporated in the main distribution board. If no RCCB is fitted, use of a Residual Current Device (RCD) is strongly recommended. If you are unsure, speak to a qualified electrician and have an RCCB fitted if necessary.
6. RCDs are available from most electrical retailers.
7. The Health & Safety at Work Act 1974 makes owners of electrical appliances responsible for the safe condition of those appliances and the safety of the appliance operators. If in any doubt about electrical safety, seek advice from the governing body or independent electrical training providers.
8. Ensure that the insulation on all cables and on the appliance are safe and intact before connecting it to the power supply.
9. Ensure that cables are always protected against short circuit and overload.
10. Regularly inspect power supply cables and plugs for wear or damage and check all connections to ensure that none is loose or damaged.
11. Ensure that the voltage rating of the compressor matches your power supply and that the plug is fitted with the correct fuse.
12. Do not yank the plug from the socket as can cause damage to both plug and socket. Any damage to plugs or sockets is potentially lethal.
13. Never carry any electrical tool by its power lead.
14. If you are using an extension reel, ensure that it is fully unwound and that an RCD is fitted. A minimum cable core of 1.5mm is recommended although a core of 2.5mm will ensure that heavy loads can be handled. Your extension reel needs to be marked for outdoor use if working outside.

SAFETY INSTRUCTIONS

15. When the ASTA/BS approved UK 3 pin plug is damaged, cut the cable close to the plug and dispose of it safely. Fit a new plug according to the following instructions;

- 1: Connect the BROWN live wire to the live terminal 'L'.
- 2: Connect the BLUE neutral wire to the neutral terminal 'N'.
- 3: After wiring, check that there are no bare wires, that all wires have been correctly connected, that the cable outer insulation extends beyond the cable restraint and that the restraint is tight.

The plug fitted to this tool is fitted with a 13amp fuse.

This product is double insulated and marked with this symbol. It is fitted with live (brown) and
 neutral (blue) wires only.



GENERAL SAFETY INSTRUCTIONS

1. Ensure the polishing pad is equal to or greater than 120% of the stated RPM of the polisher.
2. Keep the workplace clean and tidy.
3. Use the tool in a well ventilated area.
4. DO NOT hold the work-piece by hand, always make sure the work-piece is clamped securely.
5. Keep all flammable and combustible materials away from the work area.
6. Children and other unauthorised persons should be kept away from the work area.
7. NEVER use the polisher whilst the floor underfoot is wet or slippery.
8. NEVER use the polisher when standing on an unstable surface.
9. Keep the polisher out of reach of children.
10. Analyse the material you are polishing. Beware of the dangers of polishing lead based paints. Historically, paint contained lead and polishing such paint may cause toxic particles to enter the atmosphere. 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 work-piece and working area after the polishing has finished.
11. NEVER attempt to sand materials containing asbestos.
12. VIBRATION. Hand electrical tools may produce vibration. Vibration from polishers can cause disease. The use of gloves will help reduce the risk and can help prevent injury.
13. Disconnect the electrical supply before changing disc or pad.
14. Ensure the polisher has stopped rotating before putting it down or handling the pad or disc.
15. NEVER carry the polisher by the power cord.
16. NEVER point the polisher at other persons.
17. NEVER operate the polisher whilst under the influence of drugs, alcohol or intoxicating medication.
18. Check you have no loose clothing, hair, jewellery or any other items of a personal nature that might become entangled with the rotating parts.
19. Be aware of the dangers of working in or on and building or material containing asbestos. Always take appropriate measures up to an including contracting licensed 3rd parties to remove and/or make safe and articles or asbestos.

SWITCH OFF UNIT IMMEDIATELY IF;

1. There is interruption of mains electrical supply such as in the case of a power cut.
2. There damage occurs to the socket, plug, cable or cable entry into the unit.
3. There is damage to the on/off switch on the unit.
4. There is a smell of burning plastic.
5. There is smoke coming from the motor housing. If in any doubt as to your own safety, cut the power at the main fuse board. Always familiarise yourself with the electrical layout of your work area.

OUTDOOR USE

- For outdoor use, the tool must be connected via a residual current circuit breaker with a tripping current of max. 30 mA and only an extension cord may be used that is intended for outdoor use and equipped with a splash-proof coupling socket.

Before Use

- Always check that the supply voltage is the same as the voltage that is indicated on the tool's type plate.
- Always fit the support handle **A**. Never use the tool without the support handle fitted.
- Dust from materials such as lead-containing paint, certain types of wood, minerals and metal can be harmful (contact with or inhalation of the dust can cause allergic reactions and/or respiratory diseases in the user or bystanders). The use dust mask and connect a dust extraction device if possible.
- Certain types of dust are classified as carcinogenic (e.g. oak and beech dust), especially in connection with additives for wood treatment. Use a dust mask, and connect a dust extraction device if possible.
- Follow the national requirements regarding dust from the materials you have to work with. Secure the work-piece. A work-piece that is clamped with screw clamps or in a vise, held more securely than by hand.
- Do not clamp the tool in a vise.

After Use

- Before putting the tool away, switch it off and make sure that all moving parts are completely stopped.
- When the tool is switched off, the rotation of the accessory must never be stopped by applying it a lateral force.

USE

Installation of support handles

Pull the plug out of the socket!

Mount the support handle A as illustrated and tighten both screws with it supplied hex key.

Installation of accessories

Pull the plug out of the socket!

Clean the spindle and all parts to be mounted.

Screw the polishing pad **C** onto the spindle.

Press the polishing sponge **D** onto the polishing sole **G**.

- To remove accessories, do the same in reverse order.

- Before using the tool
 - You need to make sure that the accessories are mounted and fastened correctly.
 - Check that the accessory rotates freely by turning it by hand.
 - Test run the tool for at least 30 seconds at maximum speed without load in a safe position.
 - In the event of strong vibrations or other defects, stop immediately and inspect tool to determine the cause.

Switch On/Off

- Switching on takes place in 2 steps: first push the locking button **E** forward, and then press the on/off button **F**. The button will be in the on position during work.
- Release the lock button, press the power button **F** and release it again to turn off for the tool.

Speed Selector

- Turn the speed selector **G** to set the speed from low to high (1-6).
- Start with the speed selector **G** in position 1 (lowest speed).
- If necessary, select a higher speed while the tool is running.
- The optimal working speed depends on the material and can be determined by practical experiments.

Use the tool

- Switch on the tool.
- Place the tool against the surface to be polished and move it evenly in one area at a time.
- One lane must overlap the previous lane by half.
- Do not hold the tool in one place, as the coating may then overheat.
- Do not move the tool in circles, as this may stain or burn the coating.

Before switching off the tool, lift it from the workpiece! The accessory continues to rotate for a short time after the tool is turned off!

Holding and guiding the tool.

Always hold the tool in the gray grip areas during work.

- Always hold the tool firmly with both hands so that you have full control over the tool at all times.
- Make sure you stand safely.

Do not press the tool so hard that it stops!

- Keep the ventilation openings clear.

MAINTENANCE/SERVICE

- Protect the tool against impact, shock and grease.
- Always keep the tool and cord clean (especially the ventilation openings). Pull the plug out of the socket before cleaning!
Do not attempt to clean the ventilation openings by inserting pointed objects into the openings!

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 cause 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, Carbon Brushes, Blades, handles 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 servicing and maintenance.

Faults caused by incorrect installation/assembly.

Repairs or alterations carried out by non-approved parties.

Validity

This warranty is valid for 12 months after date of purchase.

Warranty is rendered invalid if;

DECLARATION OF CONFORMITY

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

Taken from Supplier

Equipment Description:

Part Code: 321288

Distributed in the EU by Duren Tools, a wholly owned subsidiary of Fast Mover Tools Ltd

Address Unit 1 Frenchs Avenue, Dunstable, Bedfordshire, LU6a1BH, United Kingdom

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

EN 62841-1:2015/A11:2022

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

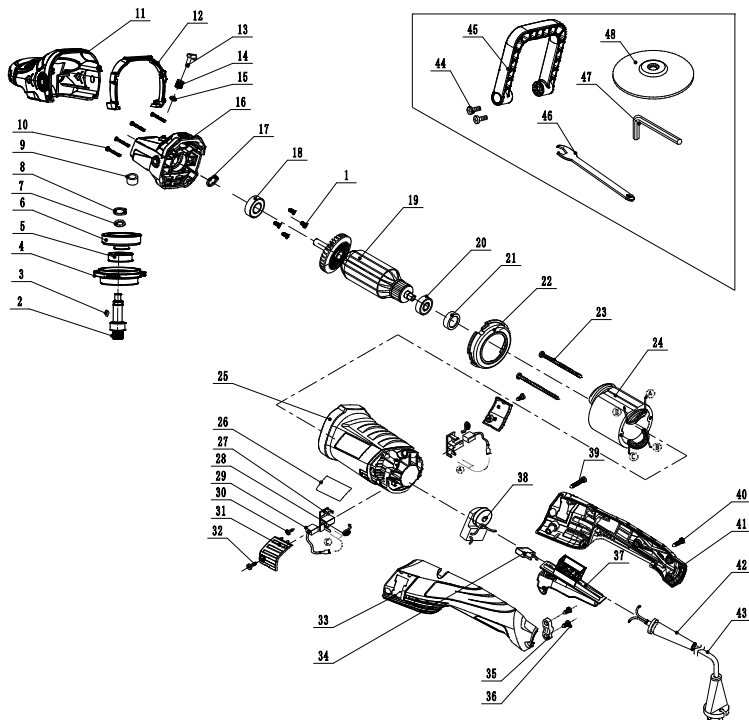
Signed on behalf of the distributor
(the responsible person)



Name: Brian Moffitt Position Director

Date and Place: 8/May/2024 Dunstable, UK

SPARE PART LIST



NO.	Part Name	QTY
1	Screw M4x10	4
2	Shaft	1
3	Wally Key 3x3.7x10	1
4	Front Cover	1
5	Bearing 6201	1
6	Gear	1
7	Wave Washer Ø12	1
8	Ring Ø12	1
9	Needle Bearing 081012	1
10	Screw St4.2x22	4
11	Head Capsule Cover	1
12	Small Cover	1
13	Spindle Lock	1
14	Spring	1
15	Shaft Ringø4	1
16	Head Capsule	1
17	Ring Ø10	1
18	Ball Bearing 6000rs	1
19	Rotor	1
20	Ball Bearing 627rs	1
21	Rubber Sleeve	1
22	Fan Shroud	1
23	Screw St4x70	2
24	Stator	1

NO.	Part Name	QTY
25	House	1
26	Nameplate	2
27	Brush Holder	2
28	Spring	2
29	Brush	2
30	Screw St3x8	2
31	Left & Right Brush Cover	1
32	Screw St3.5x8	2
33	Left Handle	1
34	Capacity	1
35	Cable Plate	1
36	Screw St3.9x14	2
37	Switch	1
38	Speed Control	1
39	Screw St3.9x18	2
40	Screw St3.9x16	3
41	Right Handle	1
42	Cable Cover	1
43	Cable & Plug	1
44	Screw M8x16	2
45	Handle	1
46	Spanner	1
47	Allen Wrench	1
48	Wool Suit	1

IEC62841_1F - ATTACHMENT

Clause	Requirement + Test	Result - Remark	Verdict
8.14.2 Za)	The noise emission, which is measured in accordance with I.2		P
	A-weighted sound pressure level L_{pA} and its uncertainty K_{pA} , where L_{pA} exceeds 70 dB(A) L_{pA} [dB(A)] : K_{pA} [dB(A)] :	L_{pA} =81,4dB Uncertainty: K=3 dB	P
	Where L_{pA} does not exceed 70 dB(A), this fact is indicated		N/A
	A-weighted sound power level L_{WA} and its uncertainty K_{WA} , where the A-weighted sound pressure level L_{pA} exceeds 80 dB(A); L_{WA} [dB(A)] : K_{WA} [dB(A)] :	L_{WA} : 89,4dB Uncertainty: K=3 dB	P
	peak C-weighted instantaneous sound pressure value L_{pCpeak} , where this exceeds 63 Pa (130 dB in relation to 20 μ Pa) L_{pCpeak} (dB) : K_{pCpeak} (dB) :		N/A
	The vibration total value and its uncertainty which is measured in accordance with I.3.		P
	When the vibration total value exceeds 2,5 m/s ² , its value is given in the instructions. Work mode - vibration emission value a (m/s ²)..... : Uncertainty K (m/s ²)..... :	Front handle: $a_{h,p}$ =2,029m/s ² Main handle: $a_{h,p}$ =1,698m/s ² K=1,5m/s ²	P
	When the vibration total value does not exceed 2,5 m/s ² , this is stated.		N/A

DÜREN TOOLS

Düren Tools 1 French's Avenue Dunstable, Bedfordshire, LU6 1BH, UK.
01582 661993 sales@fastmovertoolsuk.com

www.fastmovertoolsuk.com



WEEE REGULATIONS

Dispose of this product at the end of its working life in compliance with the EU Directive on Waste Electrical and Electronic Equipment (WEEE). When the product is no longer required, it must be disposed of in an environmentally protective way. Contact your local solid waste authority for recycling information.

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