

FLEX ORE 2-125 18-EC Power Tools Instruction Manual

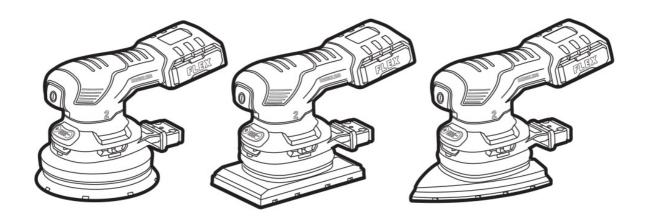
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Tools Instruction Manual

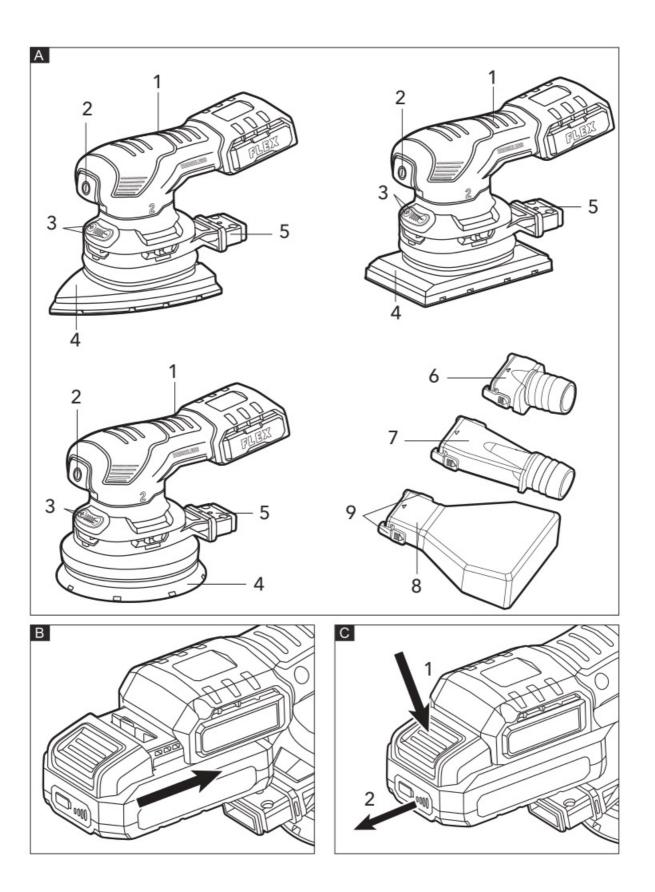
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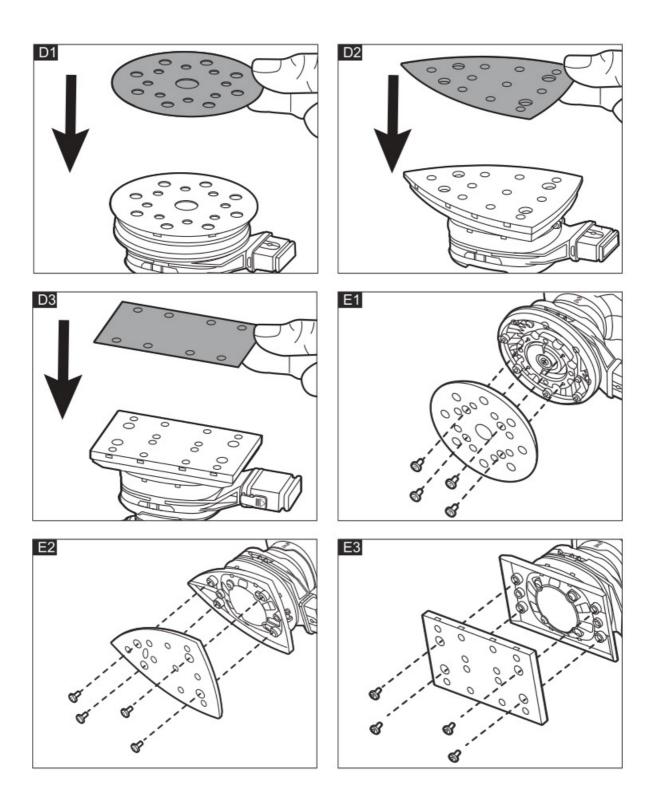
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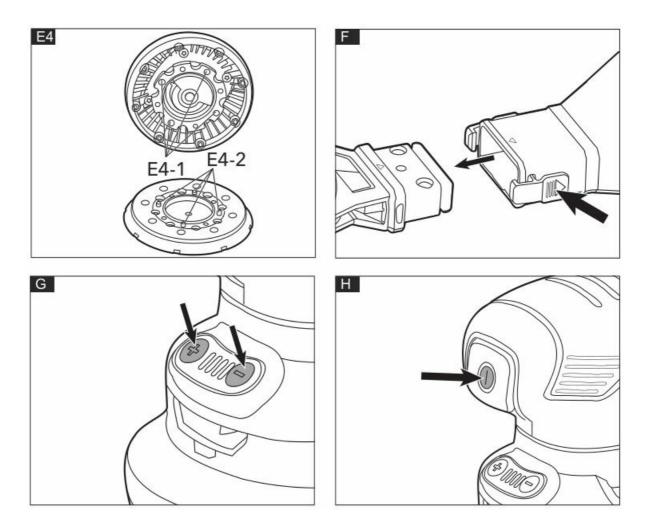
ORE 2-125 18-EC OSE 2-80 18-EC ODE 2-100 18-EC











Symbols used in this manual

△WARNING!

Denotes impending danger. Non-observance of this warning may result in death or extremely severe injuries.

△CAUTION!

Denotes a possibly dangerous situation. Non-observance of this warning may result in slight injury or damage to property.

i NOTE

Denotes application tips and important information.

Symbols on the power tool



For your safety



Before using the power tool, please read the follow:

- · these operating instructions,
- the "General safety instructions" on the handling of power tools in the enclosed booklet (leaflet-no.: 315.915),
- the currently valid site rules and the regulations for the prevention of accidents.

This power tool is state of the art and has been constructed in accordance with the acknowledged safety regulations.

Nevertheless, when in use, the power tool may be a danger to life and limb of the user or a third party, or the power tool or other property may be damaged.

The cordless orbital sander may be used only

- · as intended,
- in perfect working order.

Faults which impair safety must be repaired immediately.

Intended use

The cordless orbital sander is intended

- for commercial use in industry and trade,
- for sanding wood, plastic, paint, filler and similar materials using the dry sanding process,
- for use with Velcro sanding sheet and accessories which are indicated in these instructions or which are recommended by the manufacturer.

Safety instructions for orbital sander



Read all safety warnings, instructions, illustrations and specifications provided with this power tool.

Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury. Save all warnings and instructions for future reference.

- Attention Risk of fire! Avoid overheating the material to be ground and the grinder. Always empty the
 dust container before taking breaks from work. Grinding dust in the dust sack, microfilter, paper sack (or in
 the filter sack or filter of the dust extractor) may self-ignite under unfavourable conditions, e.g. caused by flying
 sparks when grinding metals. It is particularly hazardous if the grinding dust is mixed with paint or polyurethane
 residue or other chemical substances and if the material is ground for a long time until hot.
- Dust released from materials, such as lead paints, some types of wood, minerals and metal, may be hazardous to the operator or people in the vicinity.

Inhaling or touching these dusts may result in respiratory diseases and/or allergic reactions.

- Ensure the work place is well ventilated!
- If possible, use external dust extraction.
- It is recommended to wear a respirator mask belonging to filter class P2.
- Use the power tool for dry sanding only. If water penetrates the power tool, there is an increased risk of electric shock.
- Secure the workpiece. A workpiece is held more securely in a clamping device or vice than by hand.
- Keep the workplace clean. Material mixtures are especially dangerous. Light metal dust may burn or explode.
- Do not work on materials which release hazardous substances (e.g. asbestos).
- Never grind light metals which have a magnesium content greater than 80%. Risk of fire!
- Before using the machine, check that the grinding tools have been installed and secured correctly. Switch on the power tool at no load for 30 seconds!
- When metal is being ground, flying sparks occur. Ensure that nobody can be endangered by flying sparks.
- Interrupt the test run immediately if violent vibrations occur or other damage is established. Check the machine to determine the cause.
- Before putting down the sander, switch it off and wait until it comes to a standstill.
- Do not clamp the sander in a vice.

Noise and vibration

The noise and vibration values have been determined in accordance with EN 62841. The A evaluated noise level of the power tool is typically:

	Sound pressure level L _{pA}	Sound power level L _{WA} 86 dB(A)	
ORE 2-125 18-EC	78 dB(A)		
OSE 2-80 18- EC	74 dB(A)	82 dB(A)	
ODE 2-100 18-EC	73 dB(A)	81 dB(A)	
	Uncertainty K=3	dB	

	Emission value a _h
ORE 2-125 18-EC	3.2 m/s ²
OSE 2-80 18-EC	<2.5 m/s ²

ODE 2-100 18-EC	EC <2.5 m/s ²	
	Uncertainty K = 1.5 m/s ²	

△CAUTION!

The indicated measurements refer to new power tools. Daily use causes the noise and vibration values to change.

i NOTE

The declared vibration total value(s) and the declared noise emission level given in this information sheet has been measured in accordance with a measurement method standardized in EN 62841 and may be used to compare one tool with another. It may be used for a preliminary assessment of exposure. The specified vibration emission level represents the main applications of the tool.

However, if the tool is used for different applications, with different cutting accessories or poorly maintained, the vibration emission level may differ.

This may significantly increase the exposure level over the total working period.

To make an accurate estimation of the vibration exposure level, it is also necessary to take into account the times when the tool is switched off or running but not actually in use.

This may significantly decrease the exposure level over the total working period.

Identify additional safety measures to protect the operator from the effects of vibration such as: maintain the tool and the cutting accessories, keep the hands warm, organization of work patterns.

△WARNING:

The vibration and noise emissions during actual use of the power tool can differ from the declared value in which the tool is used;

In order to protect the operator, user should wear gloves and ear protectors in the actual conditions of use.

△CAUTION!

Wear ear defenders at a sound pressure above 85 dB(A).

Technical data

Tool		ORE 2-125 18-EC	OSE 2-80 18-EC	ODE 2-100 18-EC
Туре		Orbita	l sande	,
Rated voltage	Vdc	18		
No-load speed	min ⁻¹	in ⁻¹ 6000-10000		
Weight according to"EPTA Procedure 01/2003" (without battery)	kg	1.06	1.04	1.04
Battery	18V	AP 18.		
Weight of battery	kg	AP 18.		0.4
Working temperature	-10 -	40°C		
Storage temperature	< 50°	С		
Charging temperature	4-40°	С		
Charger	CA 10.8/18.0, CA 18.0-LD			

Overview (see figure A)

The numbering of the product features refers to the illustration of the machine on the graphics page.

- 1. Insulated grip surfaces
- 2. ON/OFF switch
- 3. Speed setting buttons
- 4. Sanding plate
- 5. Dust extraction outlet
- 6. Short dust extraction adapter
- 7. Long dust extraction adapter
- 8. Dust extraction bag
- 9. Buckles

Operating instructions



Remove the battery before carrying out any work on the power tool.

i NOTE

When the power tool is switched off, the tool continues running briefly.

For further information on the manufacturer's products go to www.flex-tools.com

Before switching on the power tool

Unpack the cordless orbital sander and check that here are no missing or damaged parts.

INOTE

The battery is not fully charged on delivery.

Prior to initial operation, charge the battery fully. Refer to the charger operating manual.

Inserting/replacing the battery

- Press the charged battery into the power tool until it clicks into place (see figure B).
- To remove, press the release button(1.) and pull out the battery (2.) (see figure C).

⚠ CAUTION!

When the device is not in use, protect the battery contacts. Loose metal parts may short circuit the contacts; explosion and fire hazard!

Attaching/changing the sanding sheet

The sanding plate (4) has Velcro fasteners and is therefore designed exclusively for use with Velcro sanding sheet (see figure D1&D2&D3).

- · Remove the battery.
- · Remove used sanding sheet.
- Remove any coarse debris from the sanding plate (4).
- Attach new sanding sheet. Align the holes in the sanding sheet with the holes in the sanding plate (4).
- Attach the sanding sheet by gently pressing it against the Velcro fasteners on the sanding plate (4).

Changing the sanding plate

If the sanding plate (4) has worn out, it can be replaced (see figure E1&E2&E3).

- · Remove the battery.
- Undo the four screws.
- Remove the sanding plate (4) by pulling it downwards.
- · Attach a new sanding plate.
- Tighten the four screws back.

NOTE: when changing the orbital sander, align the four pins (E4-2) on the sanding plate with the locating holes (E4-1) in the tool (see figure E4).

NOTE: When removing and installing the screws, the sanding plate needs to be held down so that it does not rotate when the screws are screwed in.

Attaching /removing extraction dust bag and dust extraction adapter

⚠ WARNING!

When using the sander, you must use a dust extraction bag or an external dust extraction.

△WARNING!

Avoid dust accumulation at the workplace.

Dust can easily ignite.

- Align the triangle on the dust extraction bag (8)or dust extraction adapter (6&7) with the triangle on the dust extraction outlet.
- Press the buckles on both sides of the dust extraction bag (8) or dust extraction adapter (6&7) and push the dust extraction bag (8) or dust extraction adapter (6&7) onto the dust extraction outlet (5) all the way until the buckles (9) on the dust extraction bag (8) or dust extraction adapter (6&7) snap into the groove of the dust extraction outlet (5) (see figure F).
- To remove the dust extraction bag (8) or dust extraction adapter (6&7), press the buckles (9) on both sides of the dust extraction bag (8) or dust extraction adapter (6&7) and remove it.
- A dust extraction hose can be connected to the short or long dust extraction adapter.

NOTE: Because the size of the battery will interfere with the dust extraction adapter, when using a short dust extraction adapter (6), only use 2.5Ah battery and using a long dust extraction adapter (7), use 2.5Ah or 5.0 Ah battery. All of the three orbital sanders are not suitable for the 8.0Ah battery.

Setting the speed (see figure G)

There are four speed levels that can be changed using the speed setting buttons (3).

Press the "+"button to increase the speed.

Press "-" button to decrease the speed. The LED lights above the numbers indicate the current speed level.

The speed level can be set when the tool is already in operation.

After you turn the tool off, the memory function will remember and revert to the last active speed level the next time the tool is turned on.

The approximate OPM (oscillations per minute) are:

Speed level	/min(OPM)
1	6000
2	7500
3	8000
4	10000

Switching on and off

Switch power tool on or off by pressing on/off switch (2) (see figure H).

△CAUTION!

Following a power failure, the switched-on power tool will not start running again.

Operating instructions



When the power tool is switched off, the grinding tool continues running briefly.

- Switch on the sander and place the whole sanding sheet on the surface to be processed.
- Applying moderate pressure, move the sander evenly over the workpiece.
- The sanding result is determined primarily by the selection of the correct sanding sheet, the selected number of oscillations and the contact pressure.
- Replace sanding sheets in good time.
- An excessive increase in the contact pressure will not increase the grinding performance, but will increase the wear on the electric power tool and the sanding tool.

Maintenance and care



Remove the batteries before carrying out any work on the power tool.

Cleaning

- Clean the power tool and grille in front of the vent slots regularly. Frequency of cleaning is dependent on the material and duration of use.
- Regularly blow out the housing interior and motor with dry compressed air.

Spare parts and accessories

For other accessories, see the manufacturer's catalogues.

Exploded drawings and spare-part lists can be found on our homepage: www.flex-tools.com

Disposal information



Render redundant power tools unusable:

battery operated power tool by removing the battery.



Do not throw electric power tools into the household waste!

In accordance with the European Directive 2012/19/EU on Waste Electrical and Electronic Equipment and transposition into national law used electric power tools must be collected separately and recycled in an environmentally friendly manner.



Raw material recovery instead of waste disposal.

Device, accessories and packaging should be recycled in an environmentally friendly manner. Plastic parts are identified for recycling according to material type.

Do not throw batteries into the household waste, fire or water. Do not open used batteries. EU countries only:

In accordance with Directive 2006/66/EC defective or used batteries must be recycled.



Please ask your dealer about disposal options!

C €-Declaration of conformity

We declare on our sole responsibility that the product described in "Technical specifications" conforms to the following standards or normative documents:

EN 62841 in accordance with the regulations of the directives 2014/30/EU, 2006/42/EC, 2011/65/EU. Responsible for technical documents:

FLEX-Elektrowerkzeuge GmbH, R & D Bahnhofstrasse 15, D-71711 Steinheim/Murr

Peter Lameli

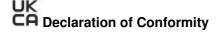
Klaus Peter Weinper Technical Director Head of Quality

Department (QD)

1.09.2023; FLEX-Elektrowerkzeuge GmbH Bahnhofstrasse 15, D-71711 Steinheim/Murr

Exemption from liability

The manufacturer and his representative are not liable for any damage and lost profit due to interruption in business caused by the product or by an unusable product. The manufacturer and his representative are not liable for any damage which was caused by improper use of the product or by use of the product with products from other manufacturers.



We as the manufacturer: FLEX Elektrowerkzeuge GmbH, Business address: Bahnhofstr. 15, 71711 Steinheim, Germany declare under our sole responsibility, that the product(s) described under "Technical specifications" fulfills all the relevant provisions of The Supply of Machinery (Safety) Regulations S.I. 2008/1597 and also

fulfills all the relevant provisions of the following UK Regulations:

Electromagnetic Compatibility Regulations S.I. 2016/1091, The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations S.I. 2012/3032 and are manufactured in accordance with the following designated Standards:

BS EN62841-1:2015

BS EN62841-2-4:2014

BS EN IEC 55014-1:2021

BS EN IEC55014-2:2021

Place of declaration: Steinheim, Germany.

Responsible person: Peter Lameli, Technical Director - FLEX-Elektrowerkzeuge GmbH Contact details for Great Britain: FLEX Power Tools Limited, Unit 8 Anglo Office Park, Lincoln Road, HP 12, 3RH Buckinghamshire,

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Documents / Resources



FLEX ORE 2-125 18-EC Power Tools [pdf] Instruction Manual ORE 2-125 18-EC, ORE 2-125 18-EC Power Tools, Power Tools, Tools

References

- O_Tools.com tools.com International LLC
- Power tools for professional craftsmen | FLEX FLEX
- User Manual

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