



FLEX XFE 7-12 80 Random Orbital Polisher Instruction Manual

[Home](#) » [FLEX](#) » FLEX XFE 7-12 80 Random Orbital Polisher Instruction Manual 

FLEX

Random Orbital Polisher
Instruction Manual



XFE 7-12 80

Contents

- 1 Symbols used in this manual
- 2 Technical specifications
- 3 Overview
- 4 For your safety
- 5 Noise and vibration
- 6 Operating instructions
- 7 Maintenance and care
- 8 Disposal information
- 9 Declaration of Conformity
- 10 Documents / Resources
 - 10.1 References
- 11 Related Posts

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.


NOTE

Denotes application tips and important information.

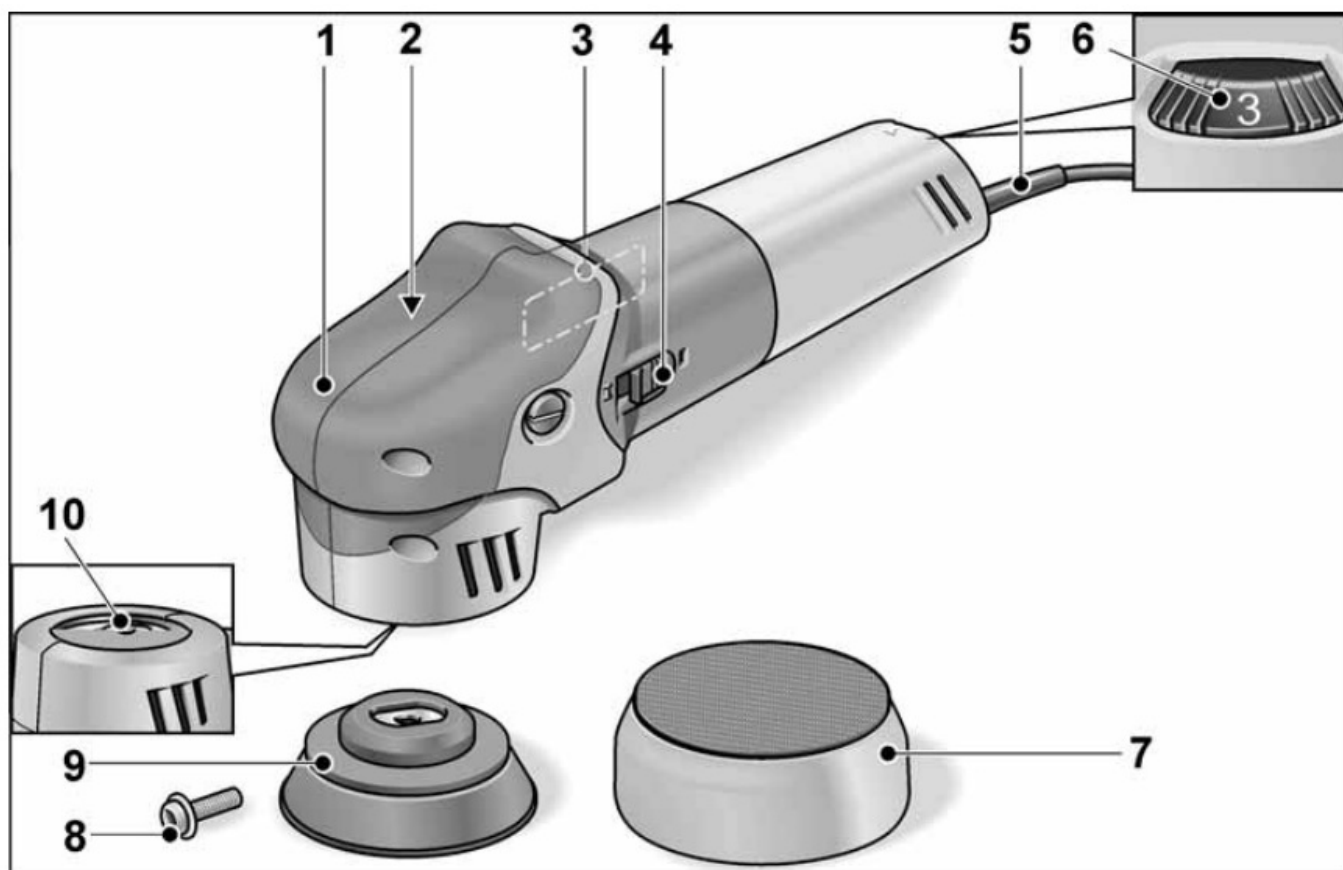
Symbols on the power tool

	Before switching on the power tool, read the operating manual!
	Wear goggles!
	Disposal information for the old machine (see page 19)!

Technical specifications

Machine type		Eccentric polisher XFE 7-12 80
Tool holder	mm	Velcro plate 0 75
Tool Ø max.	mm	80
Stroke	mm	12
Stroke rate	r.p.m.	3600-10800
Power input	W	710
Power output	W	380
Weight according „EPTA-procedure 1/2003“ (without cable)	kg	2.1
Protection class		II / 
A-weighted sound pressure level according to EN 62841 (see “Noise and vibration”):		
Sound pressure level LpA	dB(A)	80
Sound power level LWA	dB(A)	91
Uncertainty K	db	3.0
Total vibration value according to EN 62841 (see “Noise and vibration”):		
Emission value ah when polishing painted surfaces	m/s ²	<6.5
Uncertainty K	m/s ²	2.

Overview



1. Grip cover
2. Gear head
3. Rating plate *
4. Switch rocker

For switching on and off.

With notched position for continuous operation.

5. 4.0 m power cord with plug
6. Dial for preselecting the speed
7. Polishing tool
8. Hexagon socket head bolt
9. Velcro plate (tool holder)
10. Profile spindle

* not illustrated

For your safety



WARNING!

Before using the polisher, please read and 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 polisher 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 polisher may be used only

- used as intended,
- in perfect working order.

Faults which impair safety must be repaired immediately.

Intended use

This polisher is designed

- for commercial use in industry and trade,
- for all types of polishing work with polishing sponges, lambskins and woolskins, felt plate, buffing disc,
- for use with polishing tools which are permitted to run at a speed of at least 7400 r.p.m.

Safety instructions for polishing



WARNING!

Read all safety instructions and other instructions. Failure to observe the safety instructions and other instructions may result in an electric shock, fire and/or serious injuries. Keep all safety instructions and other instructions in a safe place for the future.

- This electric power tool must be used as a polisher. Observe all safety information, instructions, diagrams and data which you receive with the power tool. If you do not observe the following instructions, an electric shock, fire and/or serious injuries may occur.
- This electric power tool is not suitable for grinding, sanding, for use with wire brushes or for cut-off grinding. If the electric power tool is not used as intended, the user may be exposed to hazards and may be injured.
- Never use accessories which the manufacturer did not intend or recommend especially for this electric power tool. Just because you can attach the accessory to your electric power tool does not guarantee safe use.
- The permitted speed of the insertion tool must be at least as high as the maximum speed indicated on the

electric power tool. An accessory which rotates faster than permitted may shatter and fly off.

- Outer diameter and thickness of the insertion tool must correspond to the dimensions of the electric power tool. Incorrectly measured insertion tools cannot be adequately shielded or controlled.
- Flanges or other accessories must fit exactly on the spindle of your electric power tool. Insertion tools, which do not fit exactly on the spindle of the electric power tool, rotate unevenly, vibrate violently and may result in loss of control.
- Do not use any damaged insertion tools. Before use, always check the insertion tools for splinters and cracks. If the electric power tool or the insertion tool is dropped, check for damage or use an undamaged insertion tool. When you have checked and inserted the tool, ensure that you and anybody in the vicinity remain outside the plane of the rotating insertion tool and leave the power tool running for one minute at maximum speed. Damaged insertion tools usually break during this test time.
- Wear personal protective equipment. Depending on the application, wear full face protection, eye protection or goggles. If appropriate, wear a dust mask, hearing protection, protective gloves and/or a special apron which protect you from small material particles. You should protect your eyes from foreign objects which are ejected for different applications. Dust and respirator masks must filter the dust which is generated by the power tool for the particular application. If you are exposed to loud noise for a prolonged period, you may suffer hearing loss.
- Ensure that other persons are situated at a safe distance from the work area. Anyone who enters the work area must wear personal protective equipment. Fragments of the workpiece or broken insertion tools may fly off and cause injuries even outside the direct working area.
- If the insertion tool is at risk of coming into contact with concealed power cables or the power cord itself, hold the power tool by the insulated grip surfaces only. Contact with a live cable may also cause metal parts of the appliance to become live and result in an electric shock.
- Keep the power cord away from rotating insertion tools. If you lose control of the appliance, the power cord could be severed or become caught and your hand or arm may strike the rotating insertion tool.
- Never put down the electric power tool until the insertion tool has come to a standstill. The rotating insertion tool may come into contact with the support surface, possibly resulting in you losing control of the electric power tool.
- Never leave the electric power tool running while you are carrying it. Your clothing may become caught by accidental contact with the rotating insertion tool which may then drill into your body.
- Regularly clean the ventilation slots on your electric power tool. The motor fan draws dust into the housing; a large build-up of metal dust may cause electrical hazards.
- Never use the electric power tool near combustible materials. Sparks may ignite these materials.
- Never use insertion tools which require liquid coolants. The use of water or other liquid coolants may result in electric shock.
- Do not allow any loose parts of the polishing hood, in particular fixing cords. Stow or shorten the fixing cords. Loose, entrained fixing cords may trap your fingers or become entangled in the workpiece.

Recoil and appropriate safety instructions

Recoil is the sudden reaction caused by a rotating insertion tool which sticks or is blocked. A rotating insertion tool which sticks or is blocked stops abruptly. As a result, an uncontrolled electric power tool is accelerated against the direction of rotation of the insertion tool at the blocking point. A recoil occurs if the electric power tool is used incorrectly or improperly. A recoil can be prevented by appropriate precautions as described below.

- Hold the electric power tool firmly and position your body and arms to allow you to absorb kickback forces. If

fitted, always use the auxiliary handle to ensure the best possible control over the recoil forces or reaction torques when acceleration occurs. The operator can control kickback and reaction forces by taking appropriate precautions.

- Keep your hands away from the rotating insertion tool. The insertion tool may kickback over your hand.
- Keep your body out of the area into which the electric power tool moves when a recoil occurs. Kickback propels the electric power tool in the direction opposite to the movement of the polisher at the point of pinching.
- Work especially carefully near corners, sharp edges, etc. Prevent the insertion tool from recoiling off the workpiece and jamming. The rotating insertion tool has a tendency to snag on corners, sharp edges or if it bounces. This causes a loss of control or kickback.
- Do not use a chain or toothed saw blade. Such insertion tools frequently cause a kickback or the loss of control of the electric power tool.

Additional safety instructions The mains voltage and the voltage specifications on the rating plate must correspond.

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} : 80 dB(A);
- Sound power level L_{WA} : 91 dB(A);
- Uncertainty: $K = 3$ dB.

Total vibration value (when polishing painted surfaces):

- Emission value: $a_h = 6.5 \text{ m/s}^2$
- Uncertainty: $K = 1.5 \text{ m/s}^2$



CAUTION!

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



NOTE

The vibration emission level given in this information sheet has been measured in accordance with a standardised test given in EN 62841 and may be used to compare one tool with another. It may be used for a preliminary assessment of exposure. The declared vibration emission level represents the main applications of the tool. However if the tool is used for different applications, with different accessories or poorly maintained, the vibration emission may differ.

Operating instructions

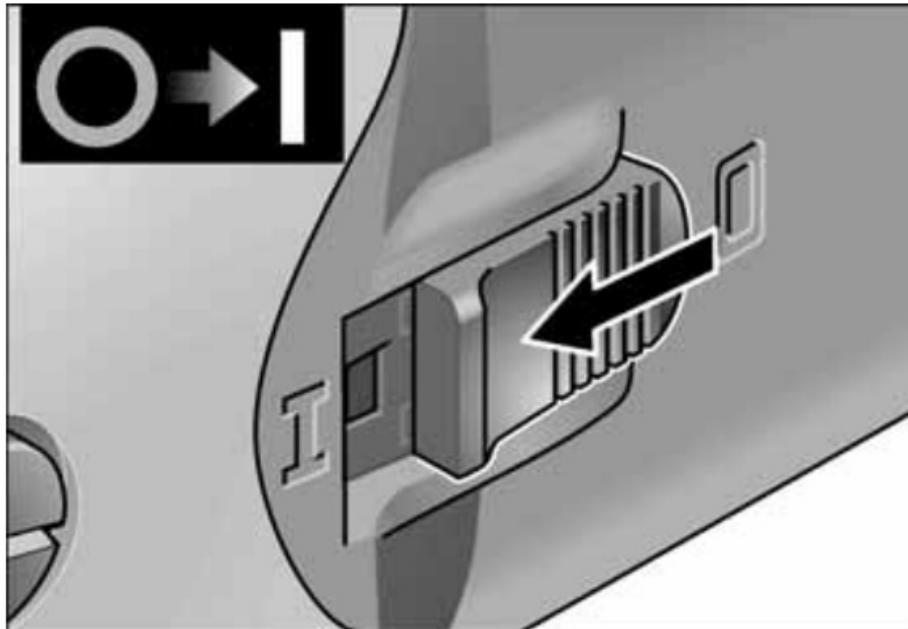
WARNING!

Before carrying out any work on the polisher, always pull out the mains plug.

Before switching on the power tool Unpack the polisher and check that there are no missing or damaged parts.

Switching on and off

Brief operation without engaged switch rocker



- Push the switch rocker forwards and hold in position.
- To switch off the power tool, release the switch rocker.

Continuous operation with engaged switch rocker

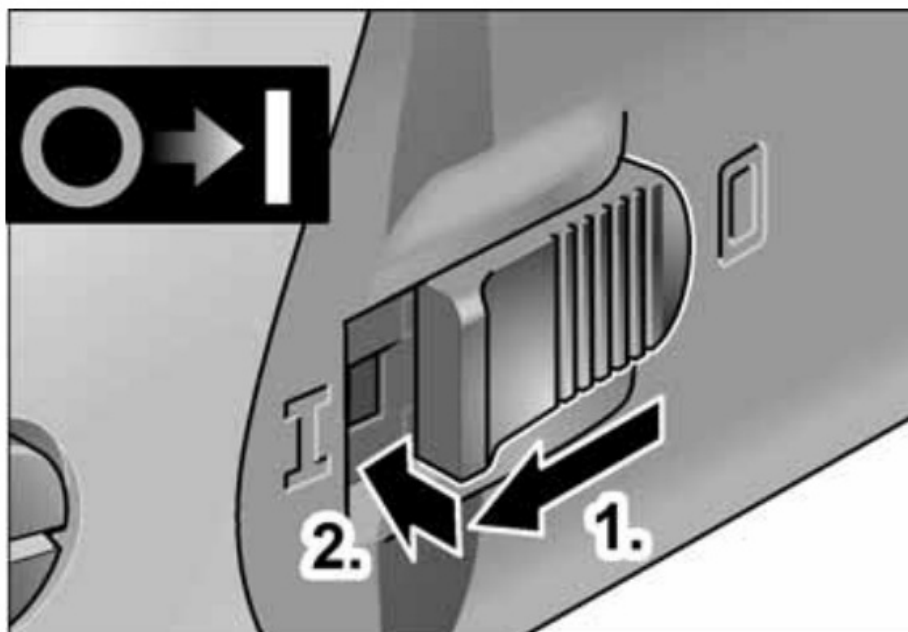


NOTE

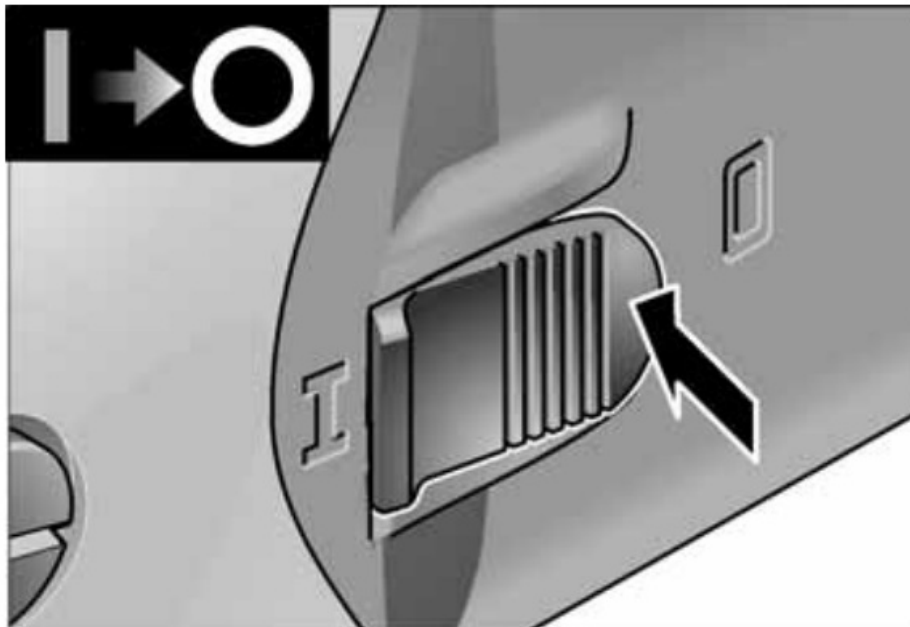
The electric power tool features a starter interlock. In other words, the electric power tool will not start running again if still switched on after a power failure.

Switching on electric power tool after a power failure:

- Switch off the electric power tool.
- Switch on the electric power tool again.



- Push the switch rocker forwards and engage by pressing the front end.



- To switch off the power tool, release the switch rocker by pressing the rear end.

Preselecting the speed



- To set the operating speed, move the dial to the required value.

CAUTION!

Risk of injury due to destruction of the tool. Use the appropriate tool for the job.

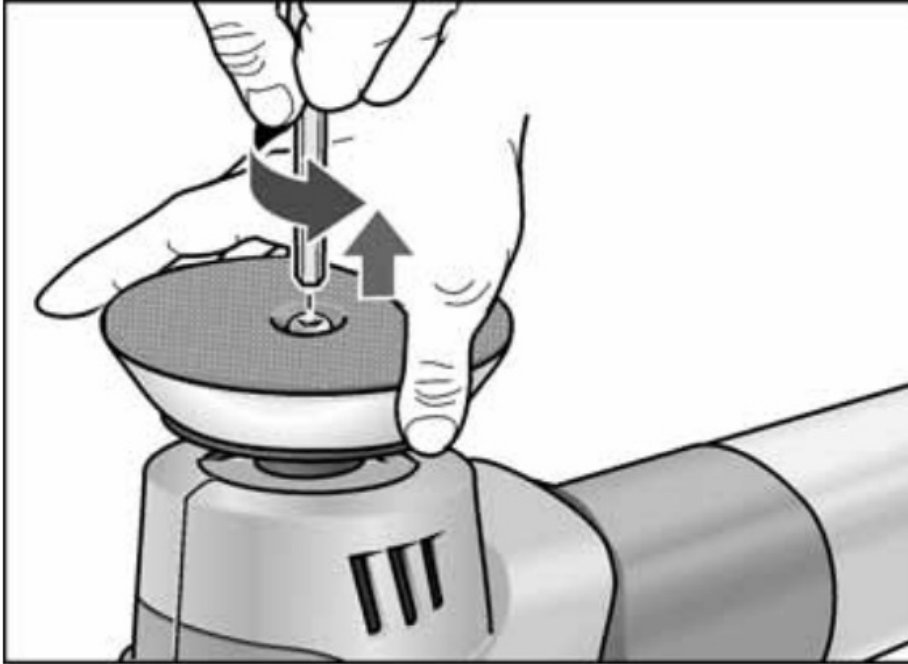
NOTE

If an overload or overheating occurs during continues operation, the power tool auto- matically reduces the speed until the power tool has cooled down adequately.

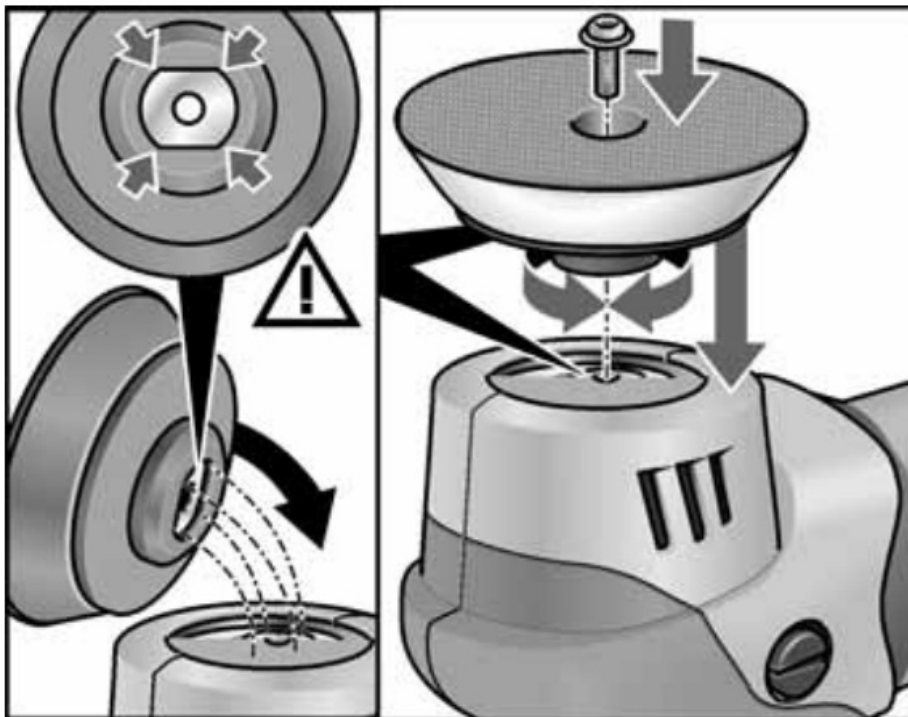
Attaching or changing the tool holder

- Pull out the mains plug.
- Hold the Velcro plate. Loosen the hexagon socket head bolt in anti-clockwise direction using a hexagon key

SW4 and remove the Velcro plate.



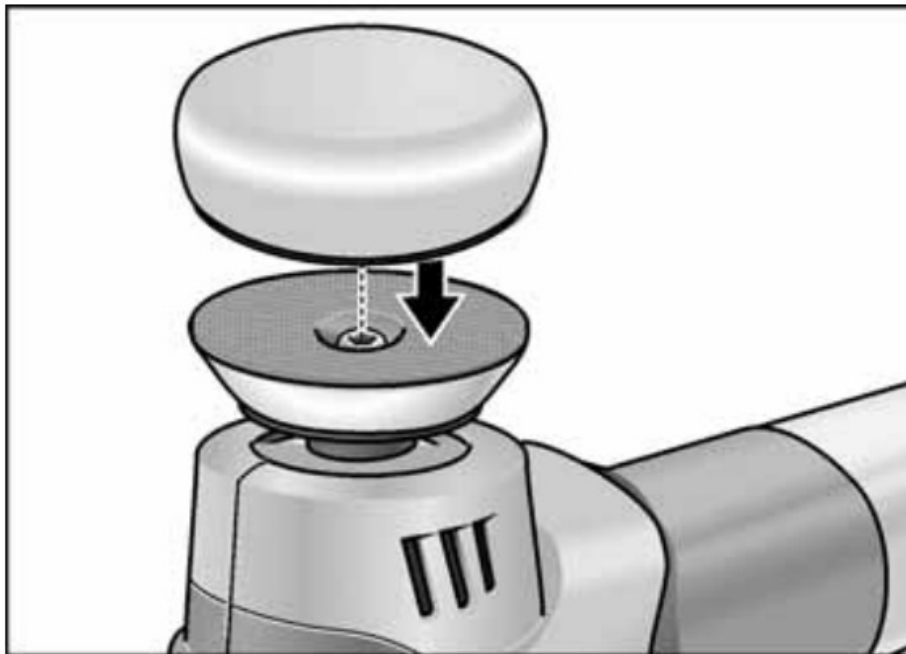
- If necessary clean profile spindle.
- Place guide of new Velcro plate on profile spindle (must engage and fit positively).



- Mount a new Velcro plate on the profile spindle. To do this, hand-tighten the hexagon socket head bolt in clockwise direction.

Attach or change tools

- Pull out the mains plug.



- Centre the polishing tool on the Velcro plate and press it on firmly. Use undamaged polishing tools only.
- Perform a test run to check that the polishing tool is centred and does not vibrate.

⚠ CAUTION!

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

i NOTE

Following a tool change (e.g. change from polishing sponge to lambswool), a difference in weight can cause higher vibrations. Adjust the working speed via the setting wheel until the vibrations are reduced.

– Switch on the electric power tool before applying it to the surface to be polished and allow it to run until the speed has settled.



- Apply light pressure to the polishing tool and make circular, overlapping movements on the surface to be polished in order to achieve good polishing results and to prolong the service life of the tool.
- In the case of sensitive surfaces (e. g. car paint) do not work aggressively, but at low speeds and with low contact pressure.
- If using a polishing paste, use the respective tool for each paste.
- Sponges can be washed in the washing machine.

Maintenance and care



WARNING!

Before carrying out any work on the polisher, always pull out the mains plug.

Cleaning



WARNING!

If metals are worked over a prolonged period, conductive dust may become deposited inside the housing. Impairment of the protective insulation! Operate the power tool via a residual-current-operated circuit-breaker (tripping current 30 mA).

- Regularly clean the power tool and ventilation slots. Frequency of cleaning is dependent on the material and duration of use.
- Regularly blow out the housing interior and motor with dry compressed air.

Carbon brushes

The polisher features cut-off carbon brushes. When the wear limit of the cut-off carbon brushes is reached, the polisher switches off automatically.



NOTE

Use only original parts supplied by the manufacturer for replacement purposes.

If non-original parts are used, the guarantee obligations of the manufacturer will be deemed null and void.

When the polisher is being used, the carbon brushes can be seen sparking through the rear air inlet apertures.

If the carbon brushes spark excessively, switch off the polisher immediately. Take the polisher to a customer service workshop authorised by the manufacturer.

Gears



NOTE

Do not loosen the screws on the gear head during the warranty period. Non-compliance will deem the guarantee obligations of the manufacturer null and void.

Repairs

Repairs may be carried out by an authorised customer service centre only.

Spare parts and accessories

For other accessories, in particular tools and polishing aids, see the manufacturer's catalogues.

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

Disposal information



WARNING!

Render redundant power tools unusable by removing the power cord.



Only for EU countries

Do not dispose of electric tools together with household waste material!

In observance of European Directive

2012/19/EU on waste electrical and electronic equipment and its implementation in accordance with national law, electric tools that have reached the end of their life must be collected separately and returned to an environmentally compatible recycling facility.



Please ask your dealer about disposal options for redundant power tools.

Declaration of Conformity



We declare under our sole responsibility that the product described under "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

Eckhard Rühle
Manager Research &
Development (R & D)

Klaus Peter Weinper
Head of Quality
Department (QD)

28.03.2018

FLEX-Elektrowerkzeuge GmbH

Bahnhofstrasse 15, D-71711 Steinheim/Murr



Declaration of Conformity

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 EN 62841-1:2015,

BS EN 62841-2-4:2014, BS EN 55014-1:2017,

BS EN 55014-2:2015, BS EN 61000-3-2:2014,

BS EN 61000-3-3:2013

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, United Kingdom

i.V.  

Peter Lameli
Technical Head

Klaus Peter Weinper
Head of Quality
Department (QD)

19.05.2021

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.

FLEX

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Documents / Resources

 ELEKTROWERKZEUGE XFE 7-12 80  	<p>FLEX XFE 7-12 80 Random Orbital Polisher [pdf] Instruction Manual XFE 7-12 80 Random Orbital Polisher, XFE 7-12 80, Random Orbital Polisher, Orbital Polisher, Polisher</p>
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References

-  [Power tools for professional craftsmen | FLEX - FLEX](#)