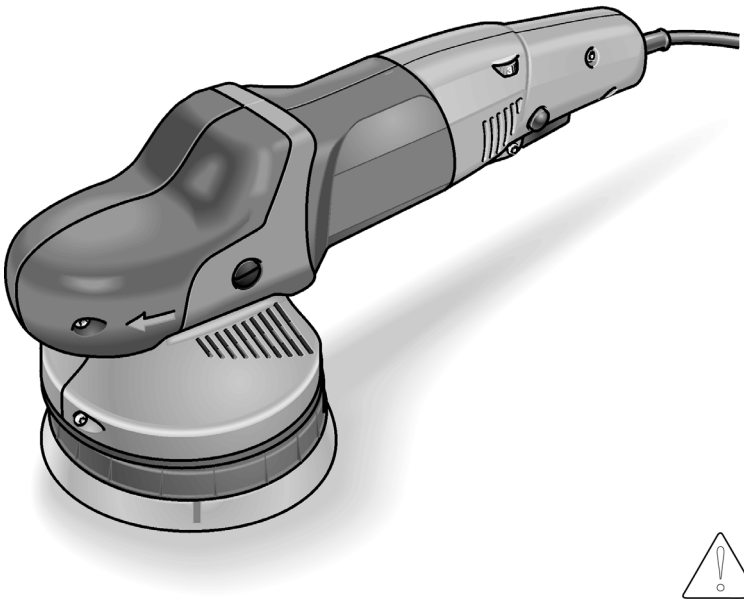
FLEX

POLISHER

XFE 7-15 150



Contents

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


Before switching on the power tool, read the operating manual!


Wear goggles!


Protection class II (completely insulated)


Disposal information for the old machine (see page 10)!

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
- *as intended,*
- *in perfect working order.*

Faults which impair safety must be repaired immediately.

Intended use

This hand-operated orbital polisher is designed
- is designed for industrial applications,
- for all types of polishing work, e.g. paintwork on vehicles, furniture and metal surfaces, etc. with polishing sponge, lambswool and wool pads,
- for use with polishing tools which are permitted to run at a speed of at least 500 r.p.m.

Safety instructions for polishing

⚠ *WARNING!*
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.***

- **This power tool is intended to function as a polisher. 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.

- **Operations such as grinding, sanding, wire brushing, or cutting-off are not recommended to be performed with this power tool.** Operations for which the power tool was not designed may create a hazard and cause personal injury.
- **Do not use accessories which are not specifically designed and recommended by the tool manufacturer.** Just because the accessory can be attached to your power tool, it does not assure safe operation.
- **The rated speed of the accessory must be at least equal to the maximum speed marked on the power tool.** Accessories running faster than their rated speed can break and fly apart.
- **The outside diameter and the thickness of your accessory must be within the capacity rating of your power tool.** Incorrectly sized accessories cannot be adequately guarded or controlled.
- **Threaded mounting of accessories must match the grinder spindle thread. For accessories mounted by flanges, the arbour hole of the accessory must fit the locating diameter of the flange.** Accessories that do not match the mounting hardware of the power tool will run out of balance, vibrate excessively and may cause loss of control.
- **Do not use a damaged accessory. Before each use inspect the accessory such as abrasive wheels for chips and cracks, backing pad for cracks, tear or excess wear, wire brush for loose or cracked wires. If power tool or accessory is dropped, inspect for damage or install an undamaged accessory. After inspecting and installing an accessory, position yourself and bystanders away from the plane of the rotating accessory and run the power tool at maximum no-load speed for one minute.** Damaged accessories will normally break apart during this test time.
- **Wear personal protective equipment. Depending on application, use face shield, safety goggles or safety glasses. As appropriate, wear dust mask, hearing protectors, gloves and workshop apron capable of stopping small abrasive or workpiece fragments.** The eye protection must be capable of stopping flying debris generated by various operations. The dust mask or respirator must be capable of filtrating particles generated by your operation. Prolonged exposure to high intensity noise may cause hearing loss.
- **Keep bystanders a safe distance away from work area. Anyone entering the work area must wear personal protective equipment.** Fragments of workpiece or of a broken accessory may fly away and cause injury beyond immediate area of operation.
- **Hold the power tool by insulated gripping surfaces only, when performing an operation where the cutting accessory may contact hidden wiring or its own cord.** Cutting accessory contacting a “live” wire may make exposed metal parts of the power tool “live” and could give the operator an electric shock.
- **Position the cord clear of the spinning accessory.** If you lose control, the cord may be cut or snagged and your hand or arm may be pulled into the spinning accessory.
- **Never lay the power tool down until the accessory has come to a complete stop.** The spinning accessory may grab the surface and pull the power tool out of your control.
- **Do not run the power tool while carrying it at your side.** Accidental contact with the spinning accessory could snag your clothing, pulling the accessory into your body.
- **Regularly clean the power tool’s air vents.** The motor’s fan will draw the dust inside the housing and excessive accumulation of powdered metal may cause electrical hazards.
- **Do not operate the power tool near flammable materials.** Sparks could ignite these materials.
- **Do not use accessories that require liquid coolants.** Using water or other liquid coolants may result in electrocution or shock.

Kickback and Related Warnings

Kickback is a sudden reaction to a pinched or snagged rotating wheel, backing pad, brush or any other accessory. Pinching or snagging causes rapid stalling of the rotating accessory which in turn causes the uncontrolled power

tool to be forced in the direction opposite of the accessory's rotation at the point of the binding.For example, if an abrasive wheel is snagged or pinched by the workpiece, the edge of the wheel that is entering into the pinch point can dig into the surface of the material causing the wheel to climb out or kick out. The wheel may either jump toward or away from the operator, depending on direction of the wheel's movement at the point of pinching. Abrasive wheels may also break under these conditions. Kickback is the result of power tool misuse and/or incorrect operating procedures or conditions and can be avoided by taking proper precautions as given below.

- **Maintain a firm grip on the power tool and position your body and arm to allow you to resist kickback forces. Always use auxiliary handle, if provided, for maximum control over kickback or torque reaction during start-up.** The operator can control torque reactions or kickback forces, if proper precautions are taken.
- **Never place your hand near the rotating accessory.** Accessory may kickback over your hand.
- **Do not position your body in the area where power tool will move if kickback occurs.** Kickback will propel the tool in direction opposite to the wheel's movement at the point of snagging.
- **Use special care when working corners, sharp edges etc. Avoid bouncing and snagging the accessory.** Corners, sharp edges or bouncing have a tendency to snag the rotating accessory and cause loss of control or kickback.
- **Do not attach a saw chain woodcarving blade or toothed saw blade.** Such blades create frequent kickback and loss of control.

Safety Warnings Specific for Polishing Operations

- **Do not allow any loose portion of the polishing bonnet or its attachment strings to spin freely. Tuck away or trim any loose attachment strings.** Loose and spinning attachment strings can entangle your fingers or snag on the workpiece.

Additional safety instructions

- The mains voltage and the voltage specifications on the rating plate must correspond.
- Do not press the spindle lock until the tool stops.

Noise and vibration

NOTE

Values for the A-weighted sound pressure level and for the total vibration values can be found in the table on page 5.
The noise and vibration values have been determined in accordance with EN 62841.

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. This may significantly increase the exposure level over the total working period.
However if the tool is used for different applications, with different accessories or poorly maintained, the vibration emission may differ. 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 accessories, keep the hands warm, organisation of work patterns.

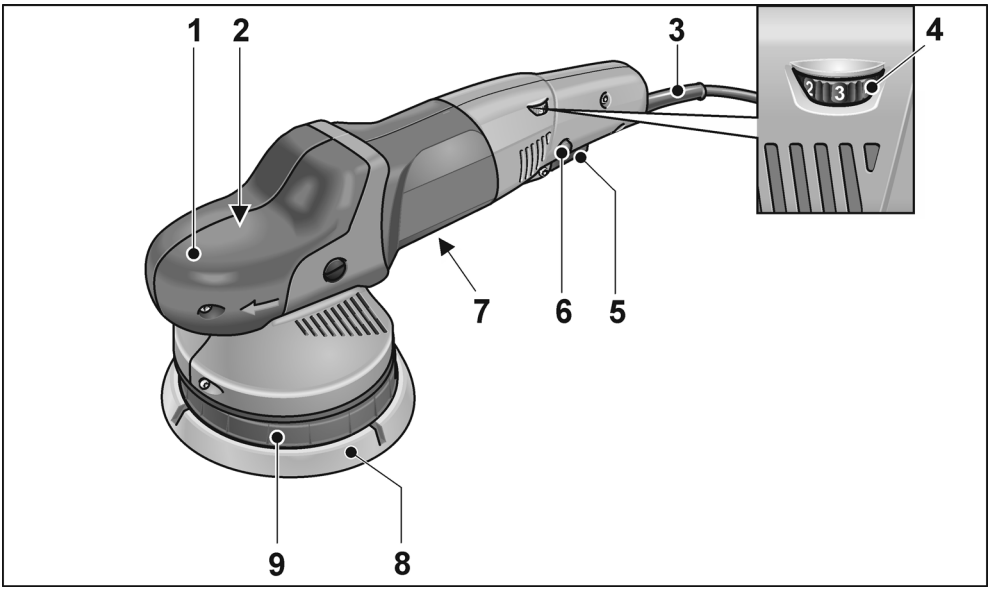
CAUTION!

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

Technical specifications

		XFE 7-15 150
Machine type		Polisher
Tool Ø	mm	150
Tool Ø max.	mm	160
Stroke	mm	15
Stroke rate	r.p.m.	3000-9000
Power input	W	710
Power output	W	420
Weight according „EPTA-procedure 1/2003“ (without power cord)	kg	2.4
Protection class		II/□
A-weighted sound pressure level according to EN 62841 (see “Noise and vibration“):		
Sound pressure level L_{pA}	dB(A)	80
Sound power level L_{WA}	dB(A)	91
Uncertainty K	db	3.0
Total vibration value according to EN 62841 (see “Noise and vibration“):		
Emission value a_h	m/s^2	7.5
Uncertainty K	m/s^2	1.5

Overview



1 **Grip hood**
With air outlet and direction-of-rotation arrow.

2 **Gear head ***

3 **4.0 m power cord with plug**

4 **Dial for preselecting the speed**

5 **Switch**
Switches the power tool on and off and also accelerates it up to the preselected speed.

6 **Locking button**
Locks the switch (5) during continuous operation.

7 **Rating plate ***

8 **Velcro pad**

9 **Disc support**

Torx wrench T20 *
*not illustrated

Instructions for use

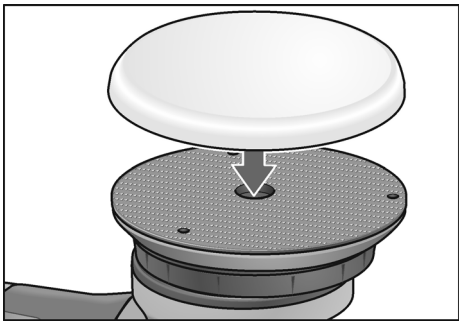
⚠ *WARNING!*

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

Before switching on the polisher

Unpack the polisher and check that there are no missing or damaged parts.

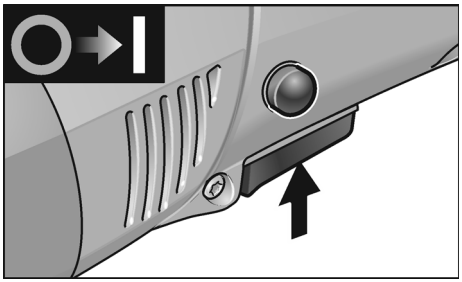
Attach or change tools



- Pull out the mains plug.
- Firmly press polishing tool, centred on the eye, onto the Velcro pad (8). Use undamaged polishing tools only.
- Insert the mains plug into the socket.
- Switch on the polisher (without engaging it) and run the polisher for approx. 30 seconds. Check for imbalances and vibrations.
- Switch off the polisher.

Switch on and off

Brief operation without engaged switch rocker



- Press and hold down the switch.
- To switch off, release the switch.

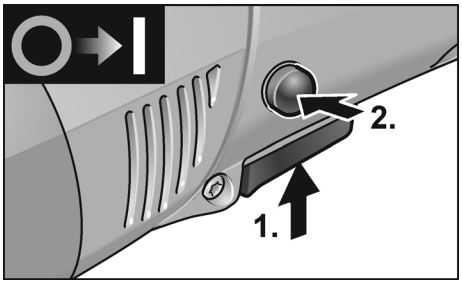
Continuous operation with engaged switch rocker

i *NOTE*

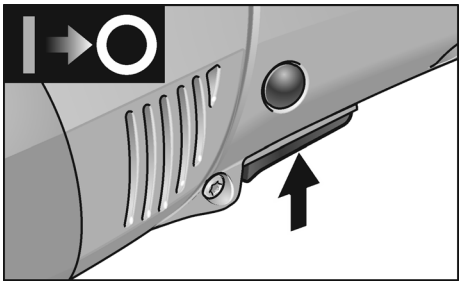
The electric power tool features a starter interlock. In other words, the electric power tool will not start running again if still switched on after a power failure.

Switching on electric power tool after a power failure

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

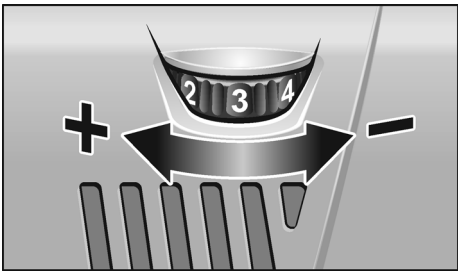


- Press and hold down the switch.
- To lock into position, hold down the locking button and release the switch.



- To switch off, briefly press and release the switch.

Preselecting the speed

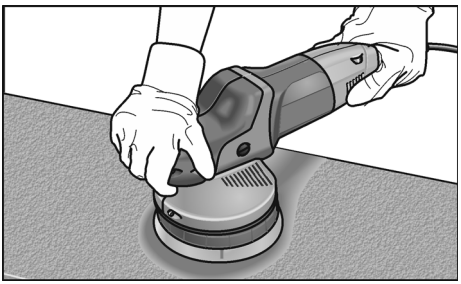


- To set the operating speed, move the dial to the required value.
- Gently press the switch (5) to accelerate the power tool up to the preselected speed.

NOTE

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

Work instructions



CAUTION!

When the polisher is switched off, the polishing tool continues running briefly.

NOTE

Following a tool change (e.g. wool pad instead of polishing sponge), the difference in weight may increase the vibrations. Change the operating speed with the adjusting wheel (4) until the vibrations have been reduced.

– Switch on the machine before placing it on the surface which is to be polished and run the polisher up to the set speed.
– Applying light contact pressure, move the polisher in circular, overlapping movements on the surface which is to be polished in order to obtain a good polishing finish and to ensure that the tool has a long service life.
– On sensitive surfaces (e.g. car paintwork) do not work aggressively but work at slow speeds applying low contact pressure.
– If using a polishing paste, use the respective tool for each paste.

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

Maintenance and care

WARNING!

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

Cleaning

- 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

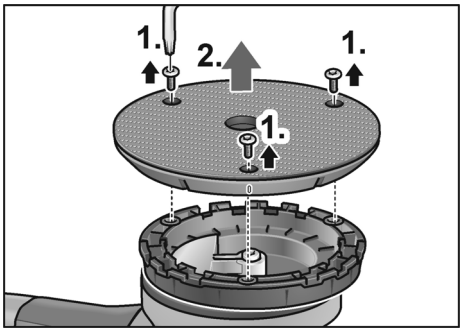
NOTE

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.

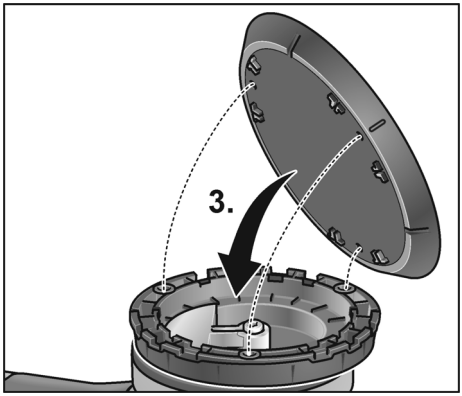
Replacement of wear parts

Change Velcro pad

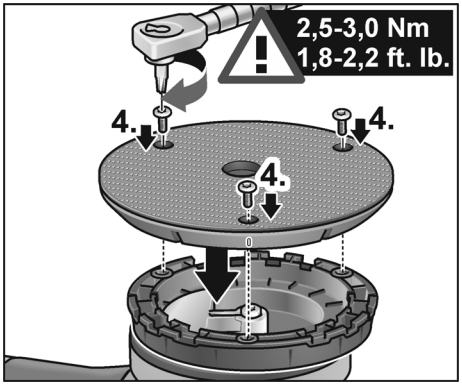
- Pull out the mains plug.
- Remove the polishing tool.
- Place machine on its back.



- Release and remove screws with Torx wrench (**1.**).
- Remove worn Velcro pad (**2.**).
- Remove contaminants from interior.



- Align securing holes and fit new Velcro pad (**3.**).



- Insert screws and tighten with Torx wrench (**4.**). (Tightening torque 2.5-3.0 Nm (1.8-2.2 ft. lb.))
- Carry out test run. Check for imbalances and vibrations.

⚠ ***CAUTION!***

An incorrect torque setting can damage the tool and the surfaces being worked on.

Repairs

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

Spare parts and accessories

NOTE

Only the tools released by FLEX may be used.

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

Exploded drawings and sparepart lists can be found on our homepage:

www.flex-tools.com

Disposal information

⚠ *WARNING!*
Render redundant power tools unusable by removing the power cord.

EU countries only
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.

i *NOTE*
Please ask your dealer about disposal options!

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 power tool or by use of the power tool with products from other manufacturers.

FLEX WARRANTY POLICY

For warranty service, please contact FLEX customer service on Australia 1300 000 346 or New Zealand 0508 000 346.

Chervon Australia Pty Ltd ABN 36 165 077 501 and Chervon New Zealand Subsidiary Ltd NZBN 9429049277616 ("Chervon") warrants to the original domestic purchaser that this product will be free from defects in materials and workmanship for 2 years from date of purchase and an additional 1 Year (For a total of 3 Years) with registration via **www.flex-tools.com.au** or **www.flex-tools.co.nz** within 30 days of the original purchase. To make a claim, return the faulty item together with proof of purchase directly to your closest service agent or to the place of purchase. Any handling and transportation costs (and other expenses incurred in claiming this warranty) are not covered by this warranty and will not be borne by Chervon. The replacement product or part or repaired product will be made available for your collection at an address nominated by Chervon. Where a valid warranty claim is made, Chervon will replace the defective product or repair the fault. Where the product is repaired, Chervon may use refurbished parts. This warranty does not cover normal wear and tear, misuse, abuse, or continuous industrial use. This warranty only applies to product purchased by you, inside Australia or New Zealand from authorised Australian or New Zealand FLEX dealers. This warranty may also be further limited or voided as specifically detailed in the product Manual. Chervon has no other liability under this warranty. The benefits to you given by this warranty are in addition to other rights and remedies imposed by State and Federal legislation that cannot be excluded. Our goods come with guarantees that cannot be excluded under the Australian Consumer Law and the New Zealand Consumer Guarantee Act 1993. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure. Chervon Australia Pty Ltd, Unit 14, 5 Kelletts Rd, Rowville, VIC 3178. Chervon New Zealand Subsidiary Ltd, 4th Floor, Smith & Caughey Building, 253 Queen St, Auckland, 1141
Ph: 1300 000 346.
Email: **support@flex-tools.com.au**

FLEX

Chervon Australia Pty Ltd,
Unit 14, 5 Kelletts Road, Rowville, VIC 3178.

Email: support@flex-tools.com.au

www.flex-tools.com.au
www.flex-tools.co.nz

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For all FLEX warranty and enquiries, please contact Australia 1300 000 346 or New Zealand 0508 000 346