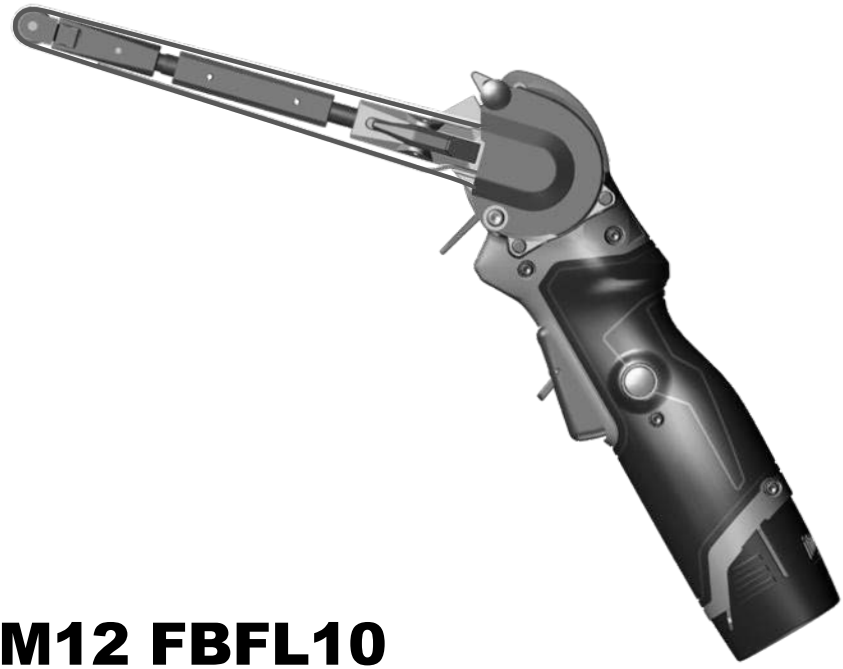
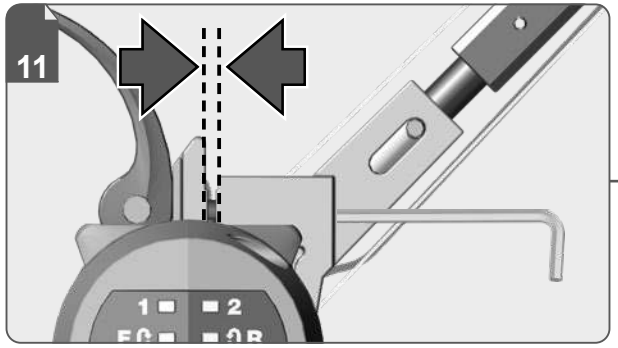
Nothing but **HEAVY DUTY.®**

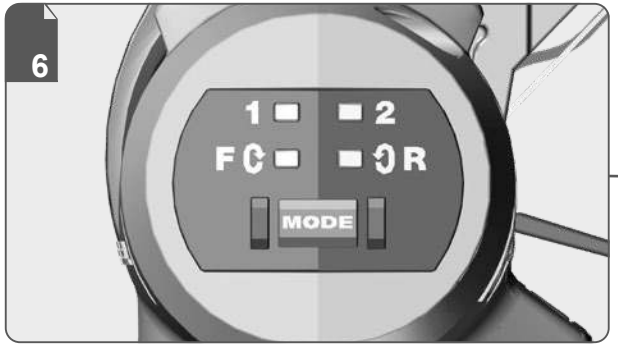


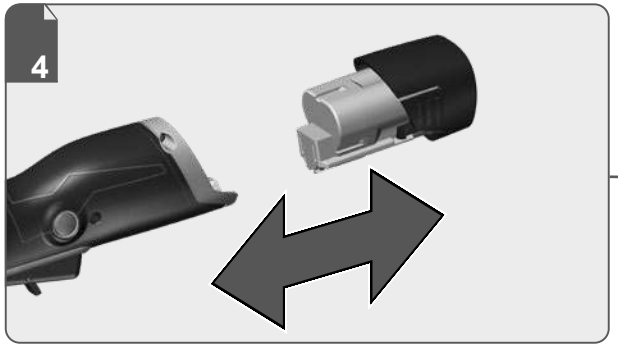
M12 FBFL10
M12 FBFL13

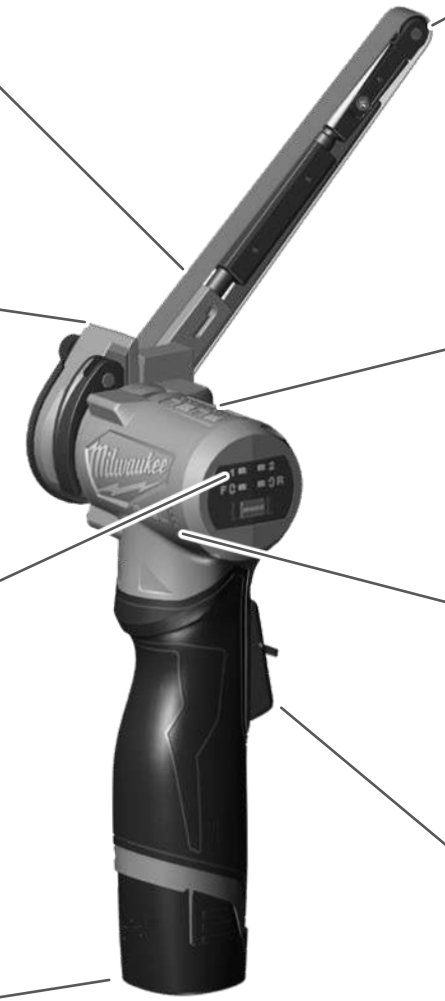
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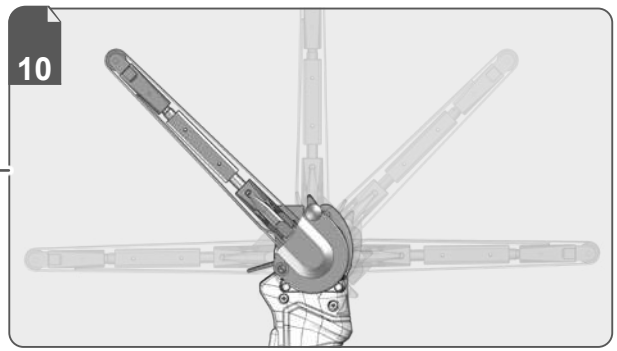

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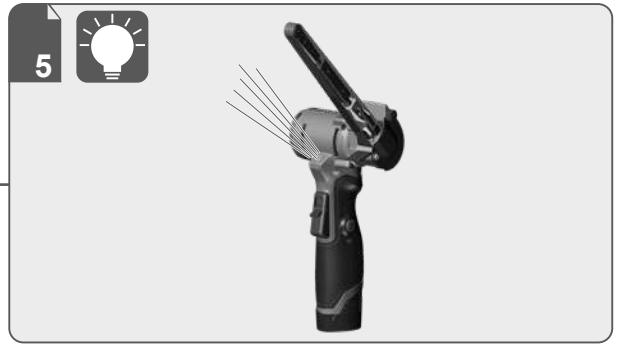

11
1
2
R

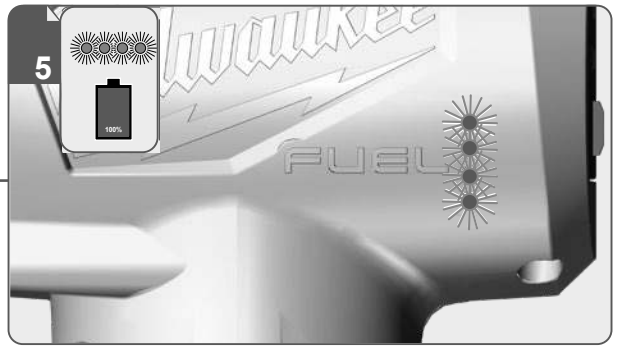

6
1
2
R
MODE

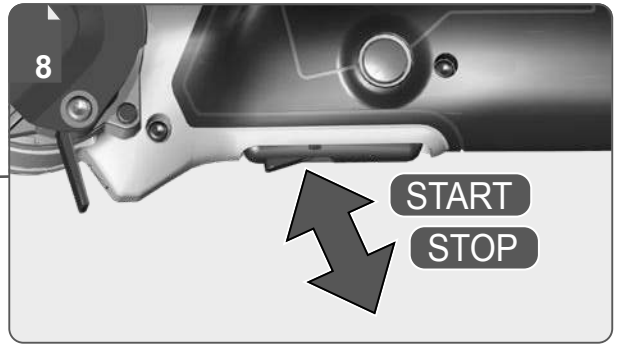

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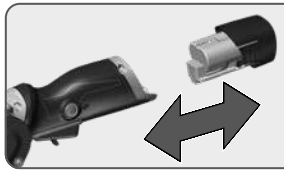

Milwaukee


10


5

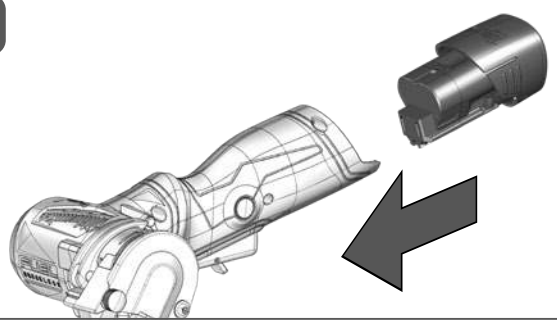

5
100%
FUEL


8
START
STOP

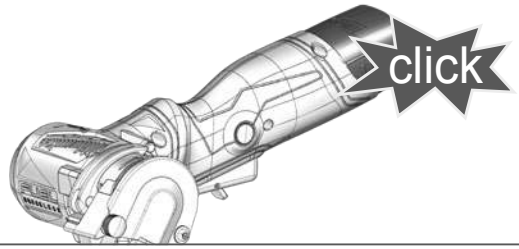


Remove the battery pack before starting any work on the machine.

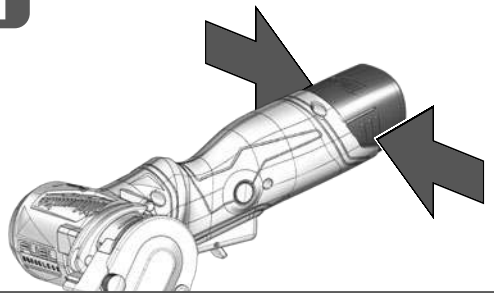
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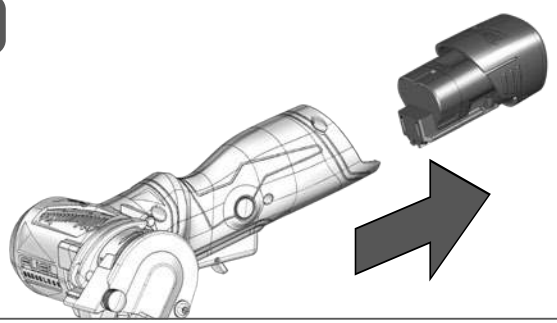
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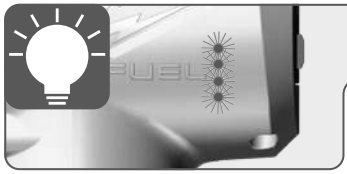


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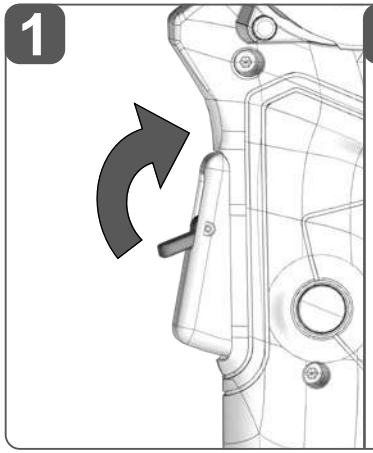


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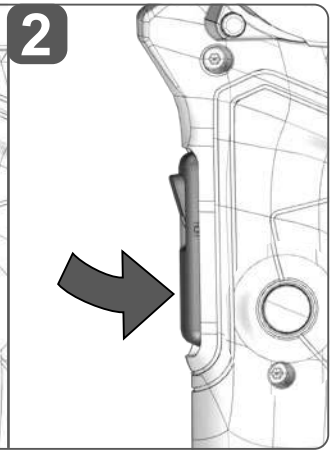




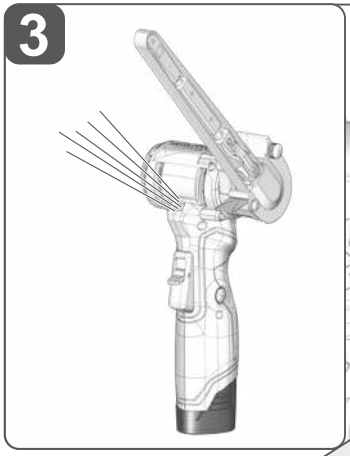
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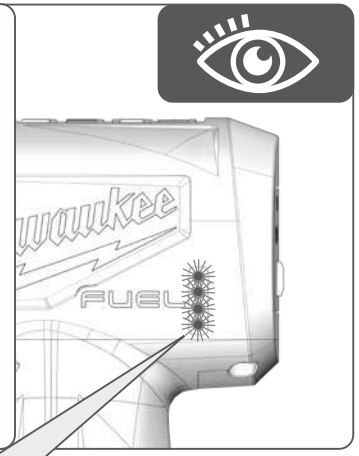


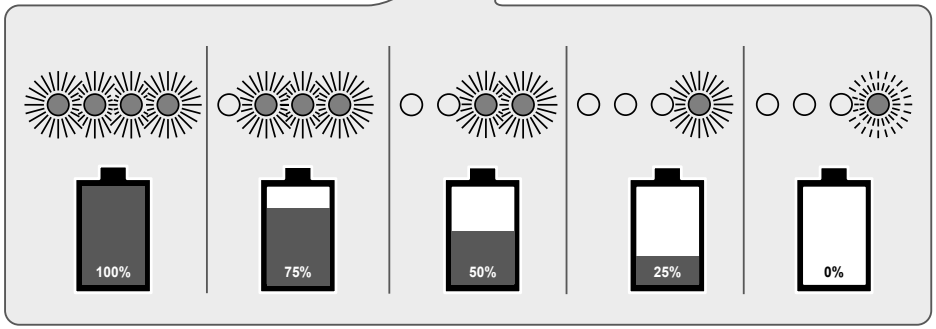
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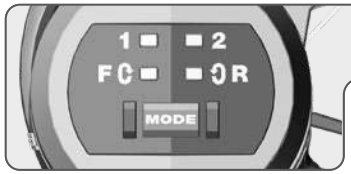


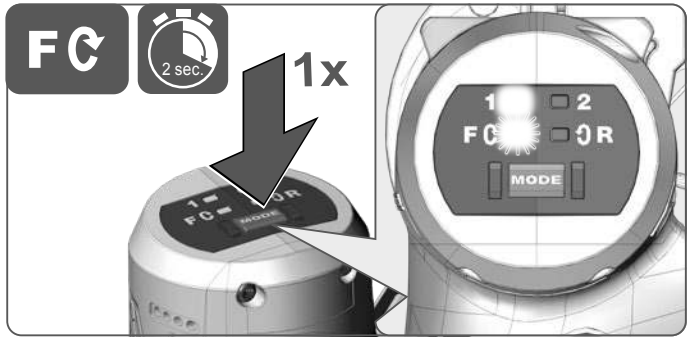
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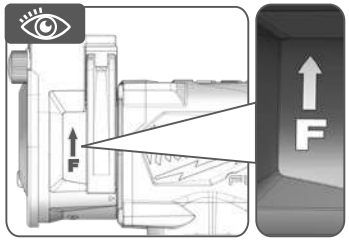


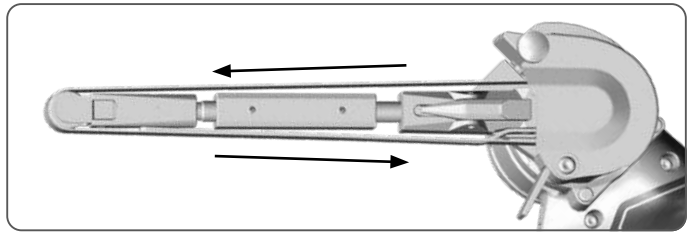


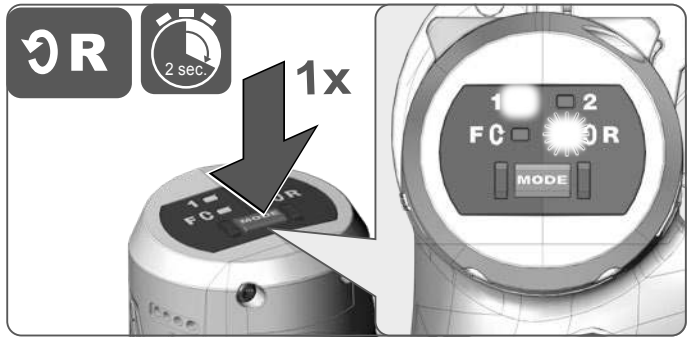


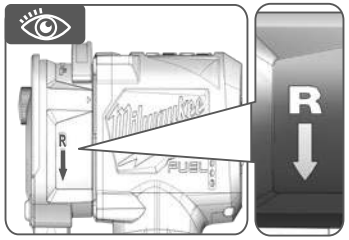

1
2
FC
R
MODE

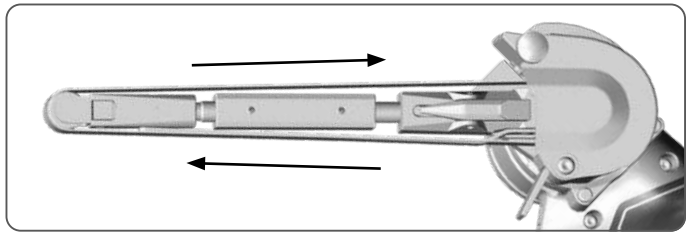

FC
2 sec.
1x
1
2
FC
R
MODE


F



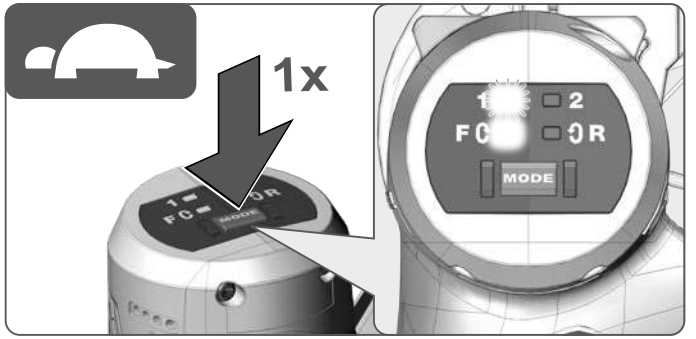

R
2 sec.
1x
1
2
FC
R
MODE

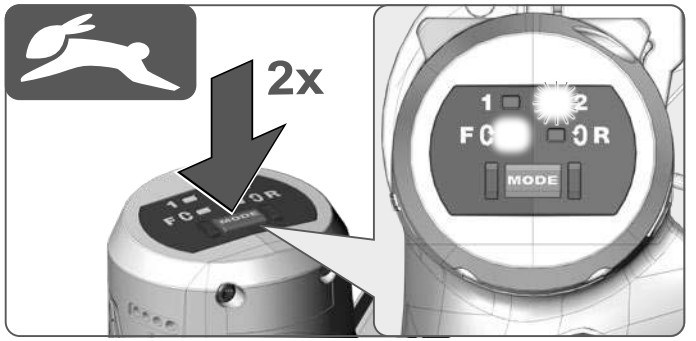

R

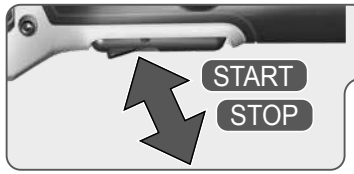


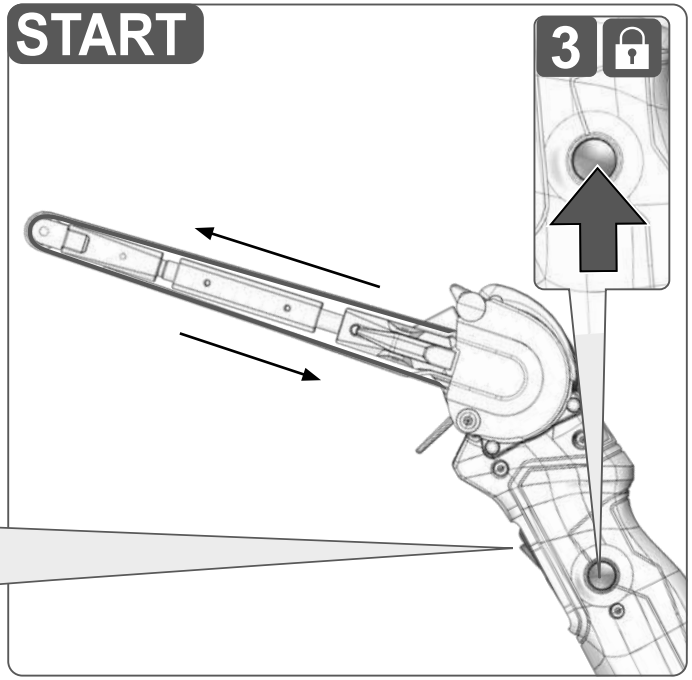

R
FC

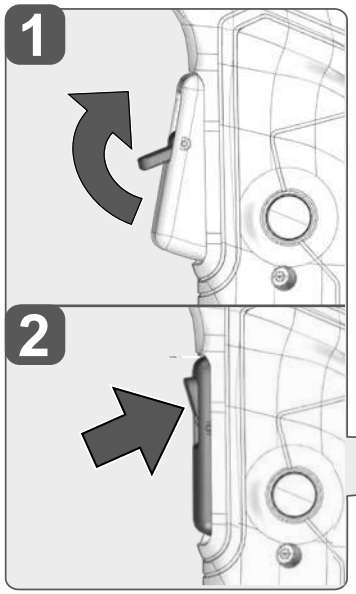

R
OFF
30 min
Auto
FC

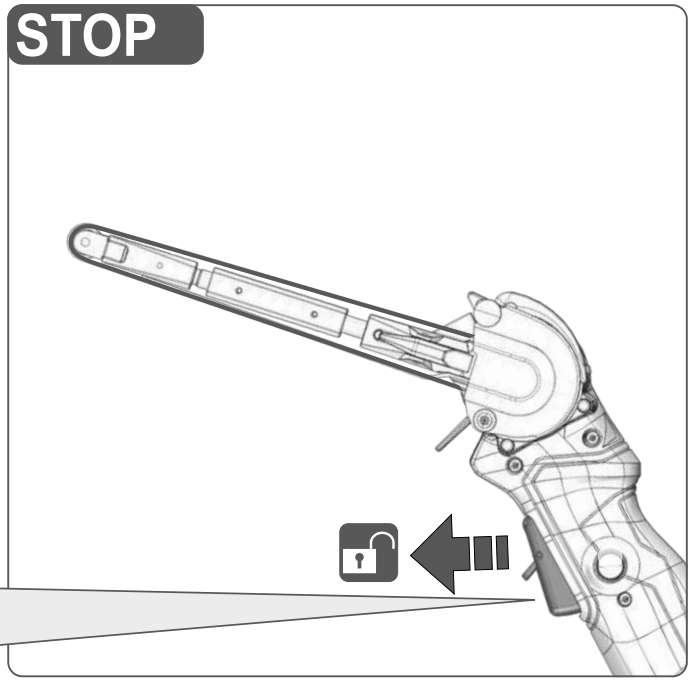

1x
1
2
FC
R
MODE

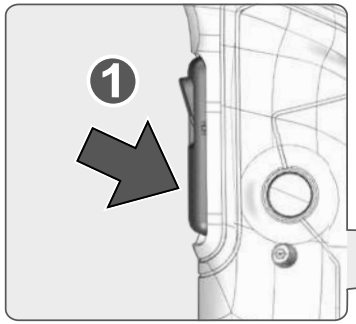

2x
1
2
FC
R
MODE

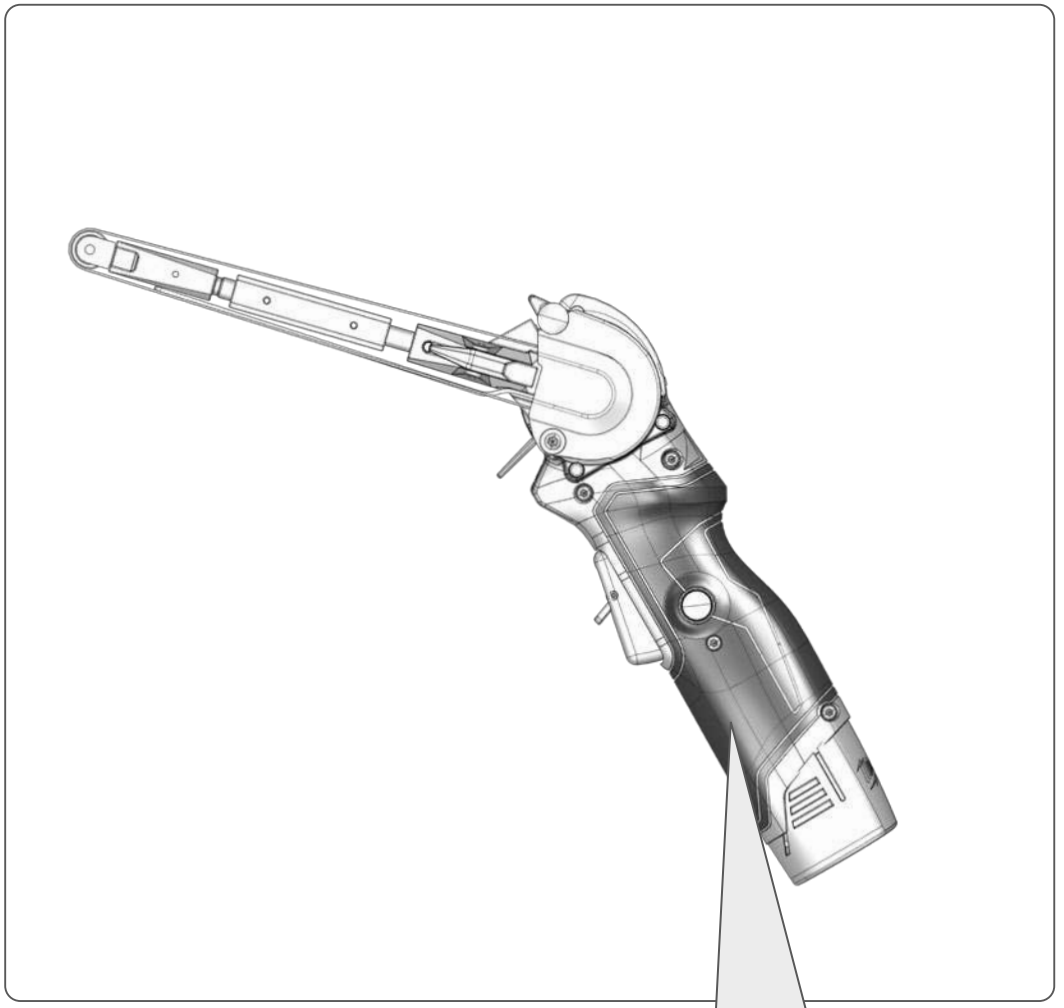






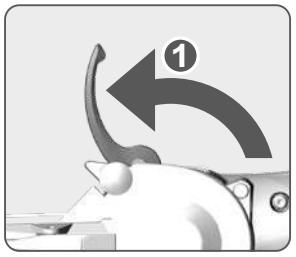


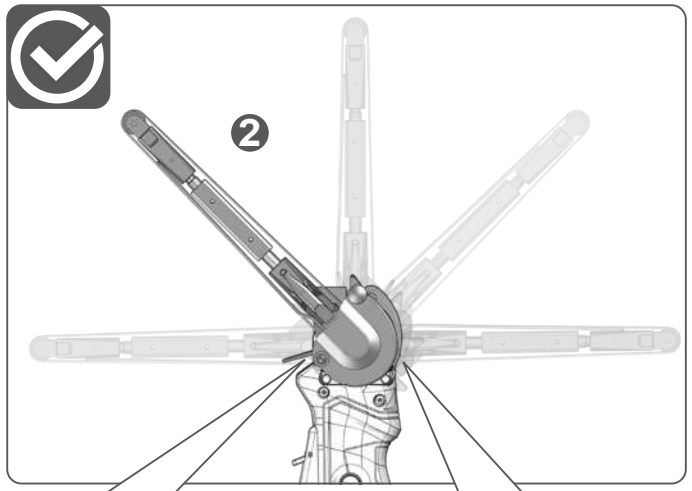


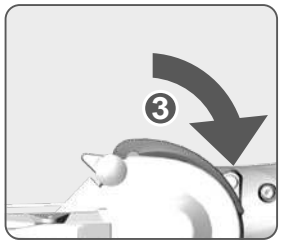


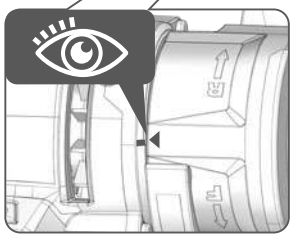
Insulated gripping surface

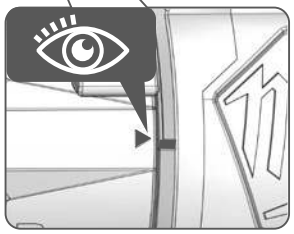


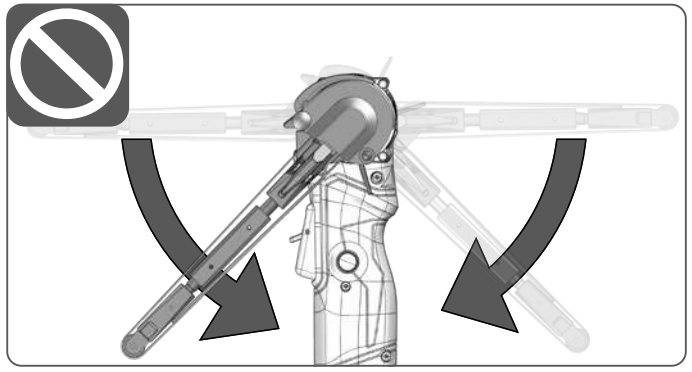

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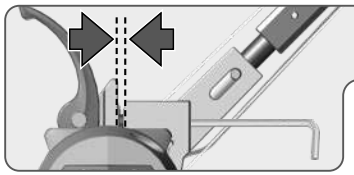

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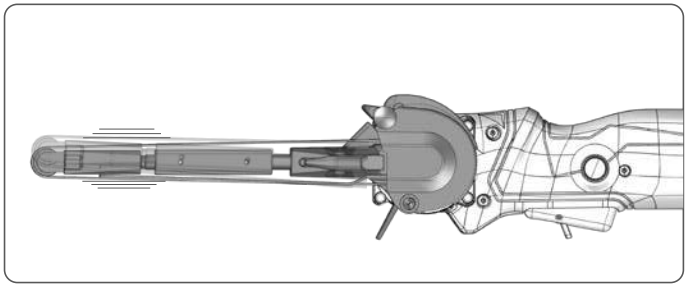

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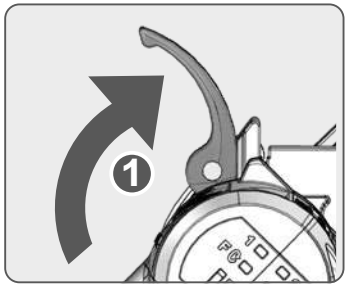


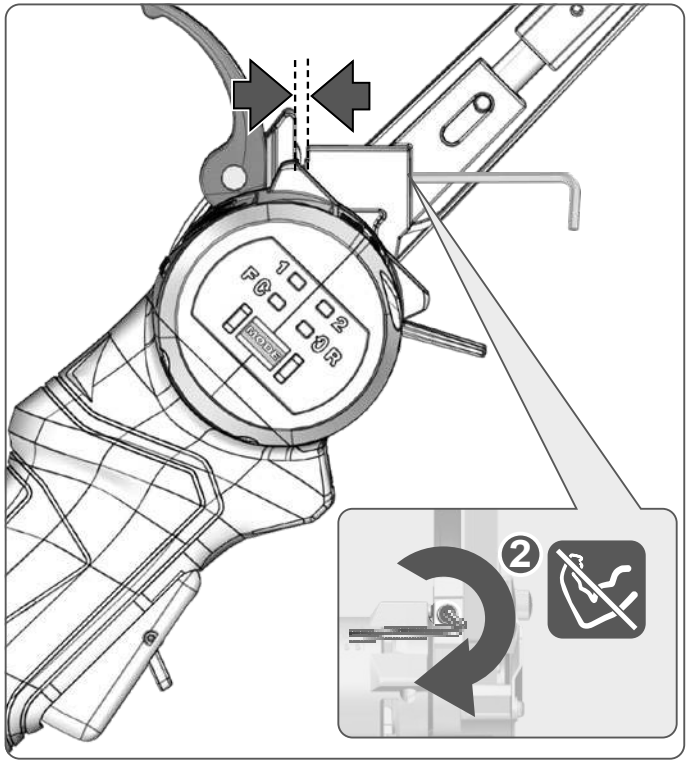


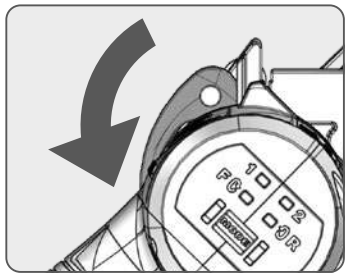


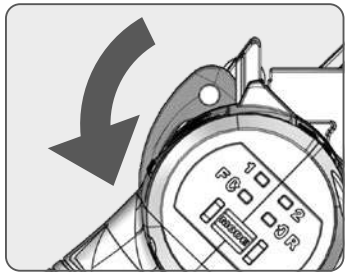


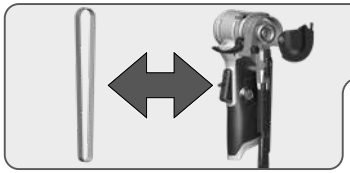


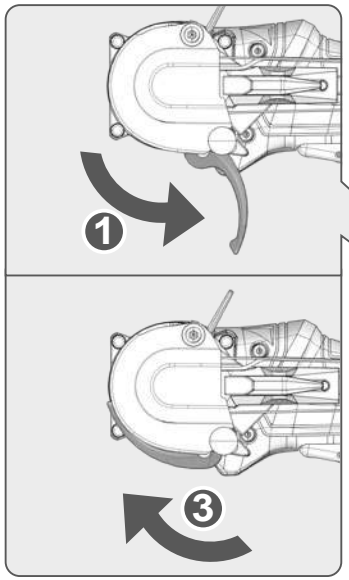

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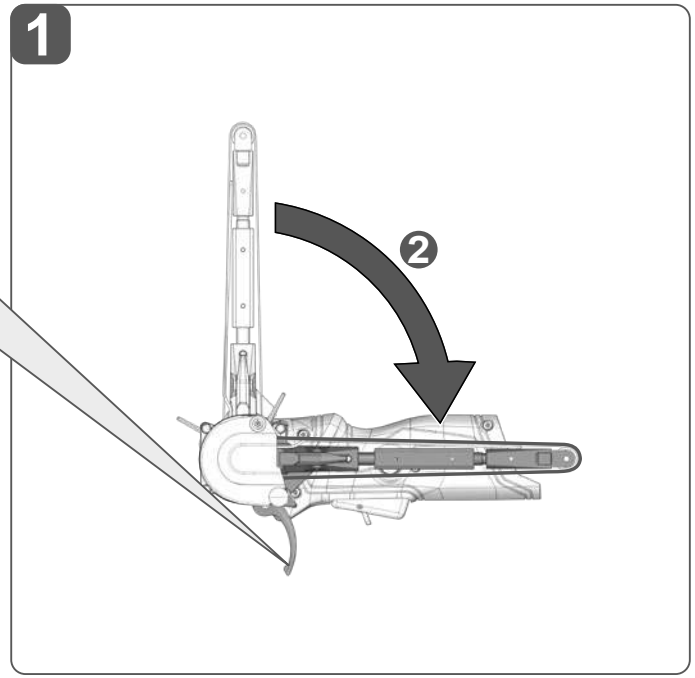

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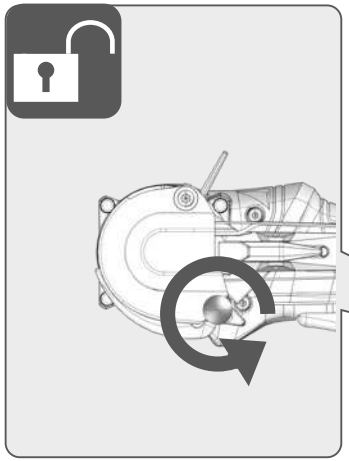


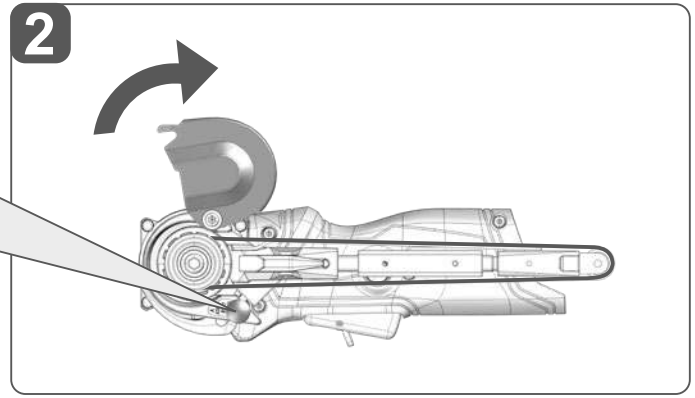


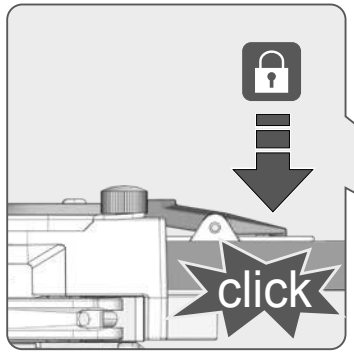


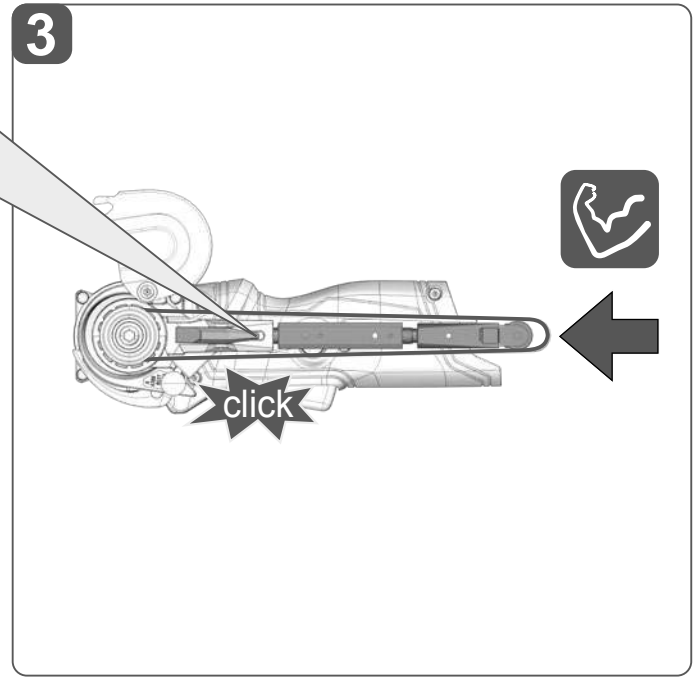

1
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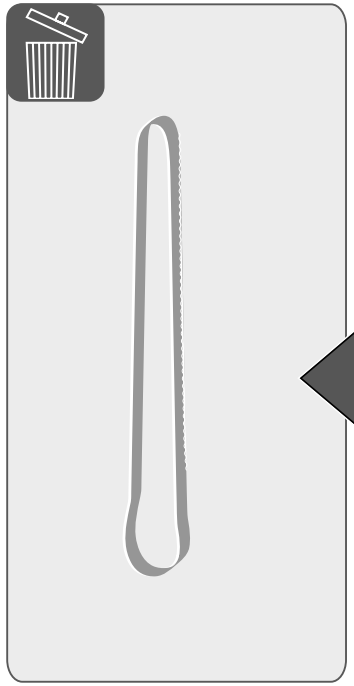

1
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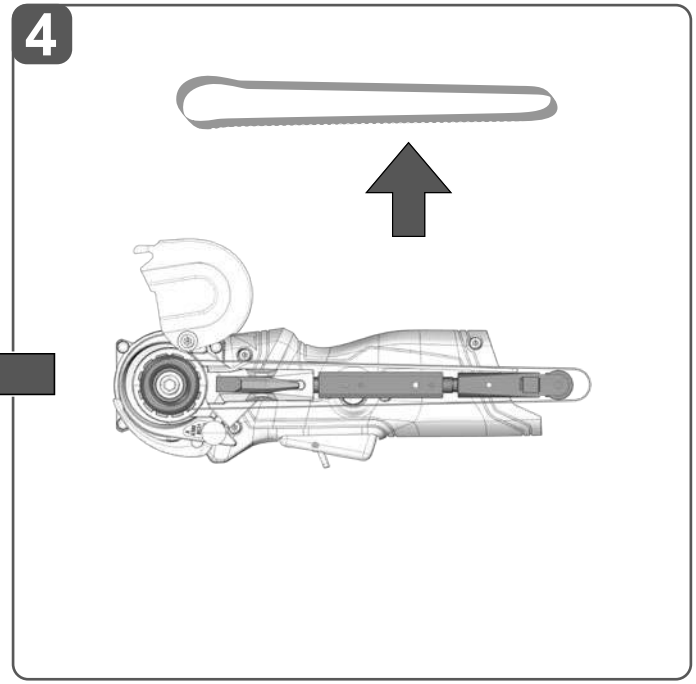


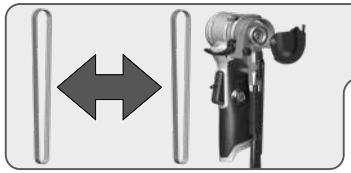

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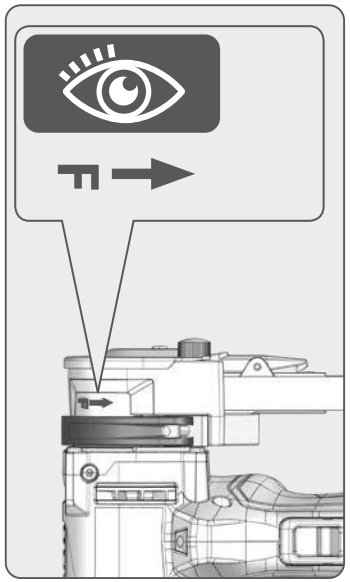

click


3
click

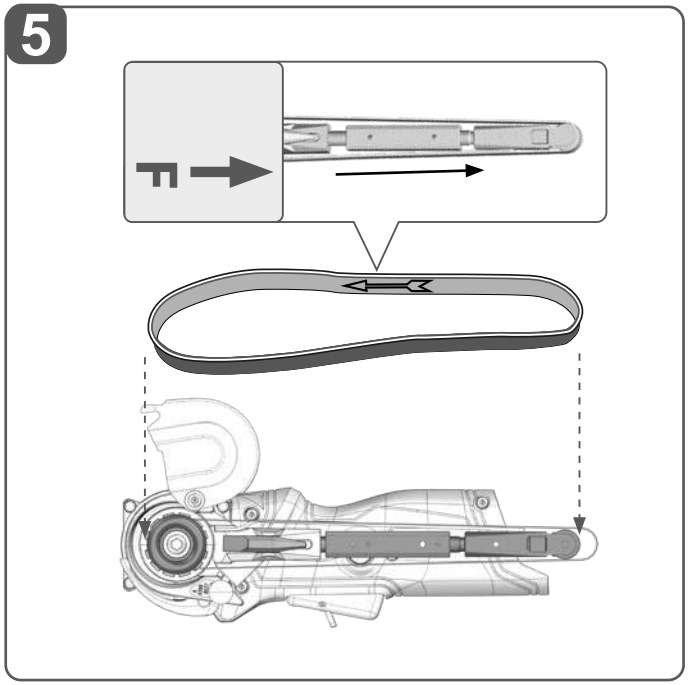


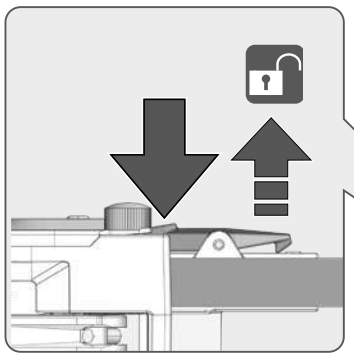

4



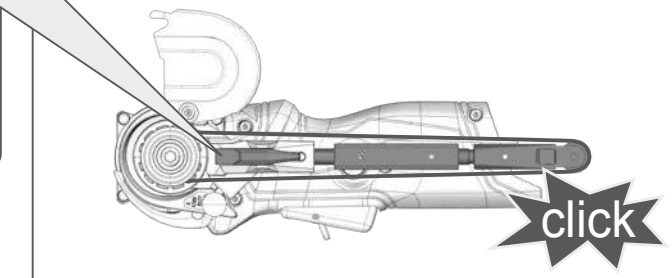


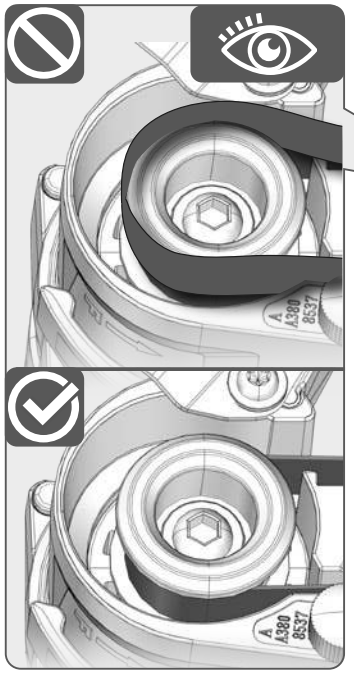
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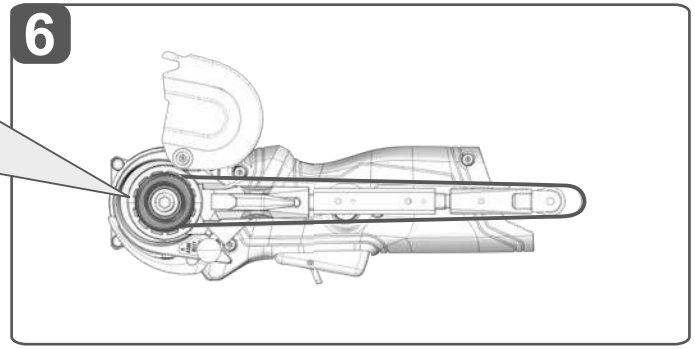


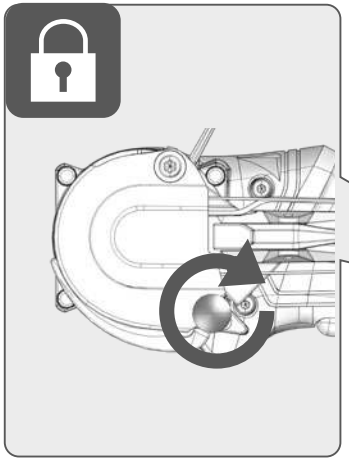
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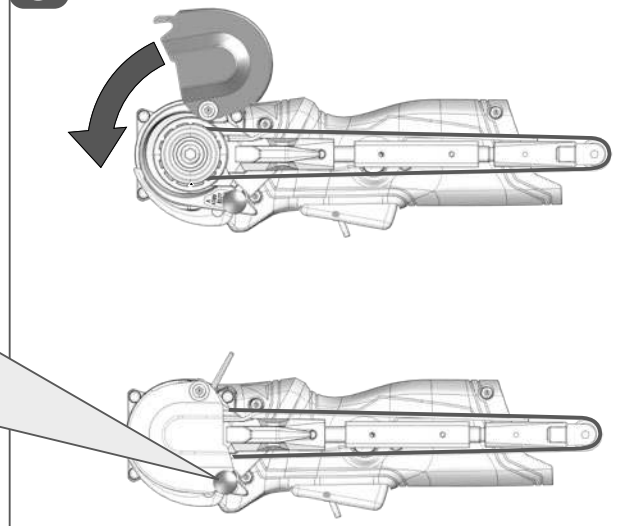


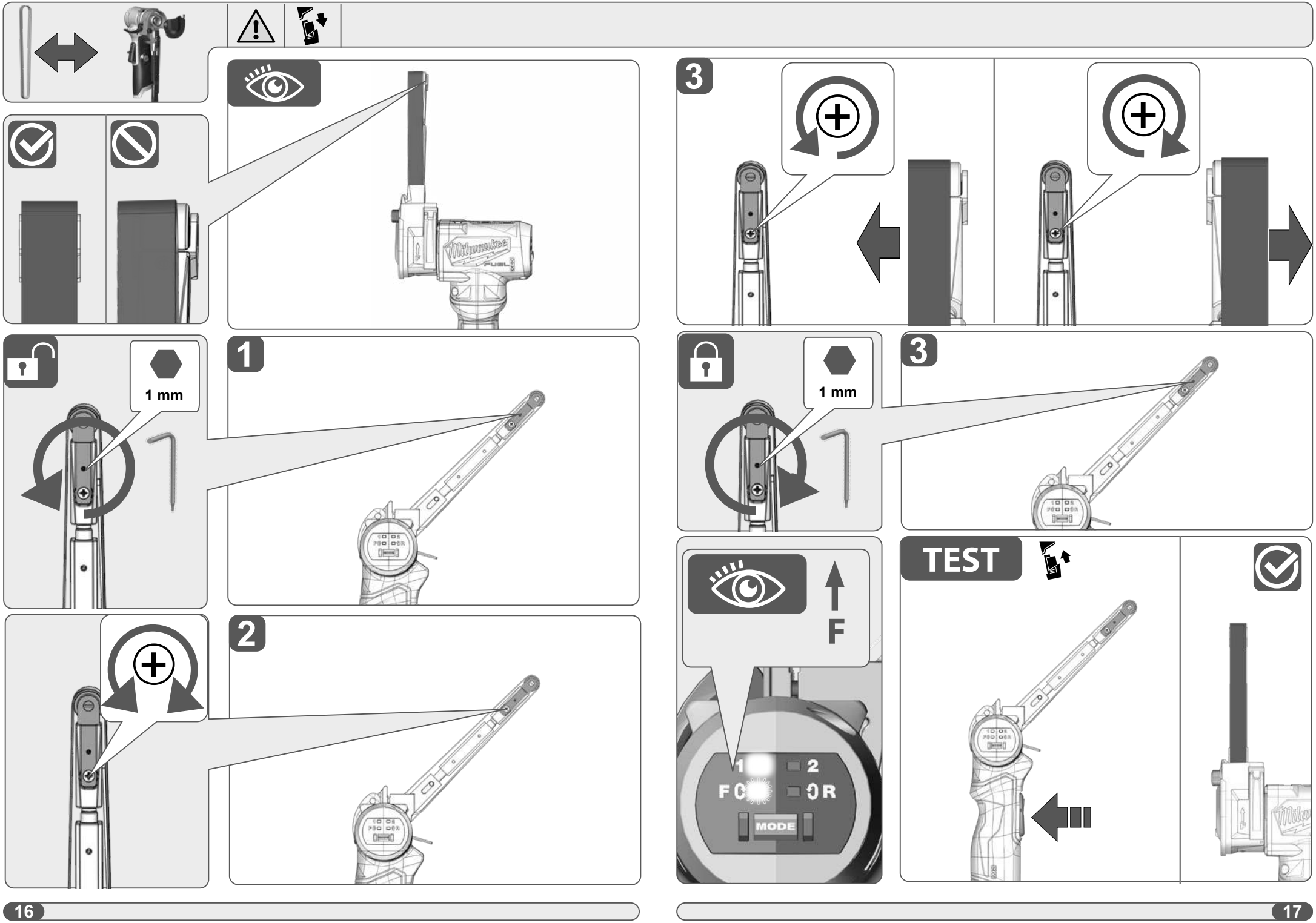
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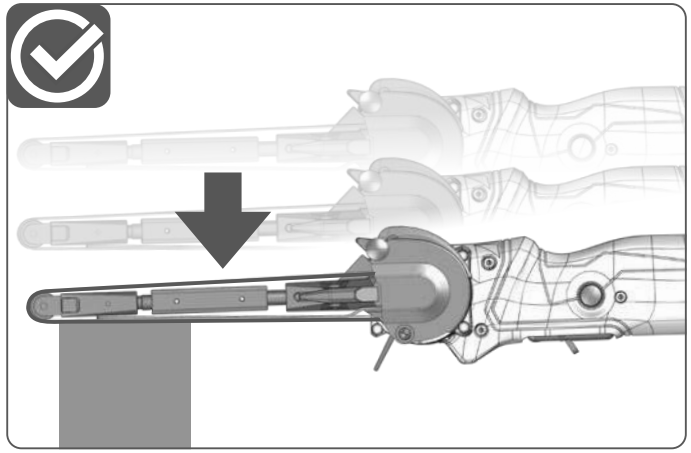


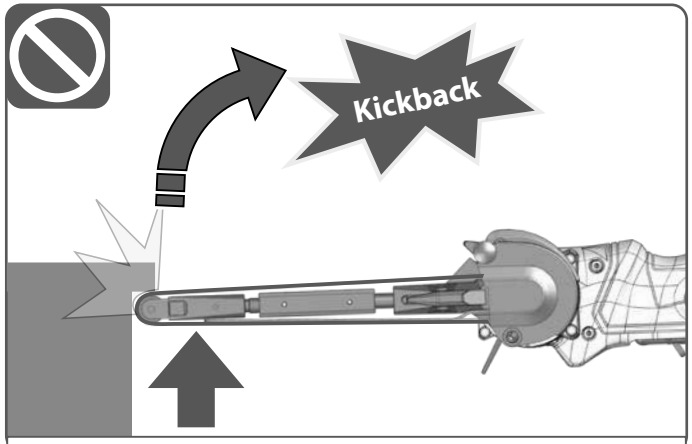
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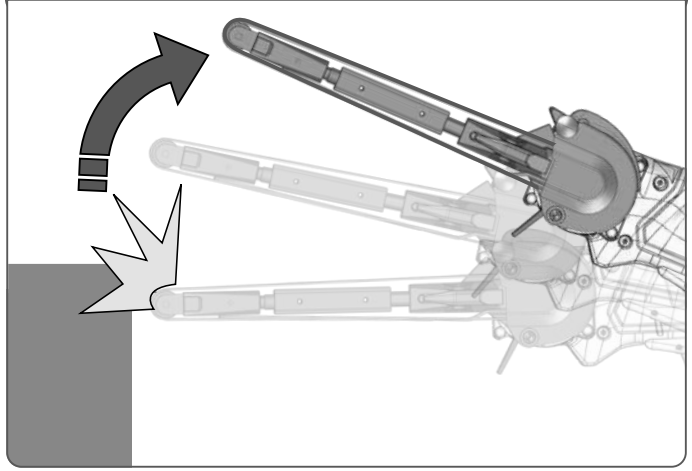



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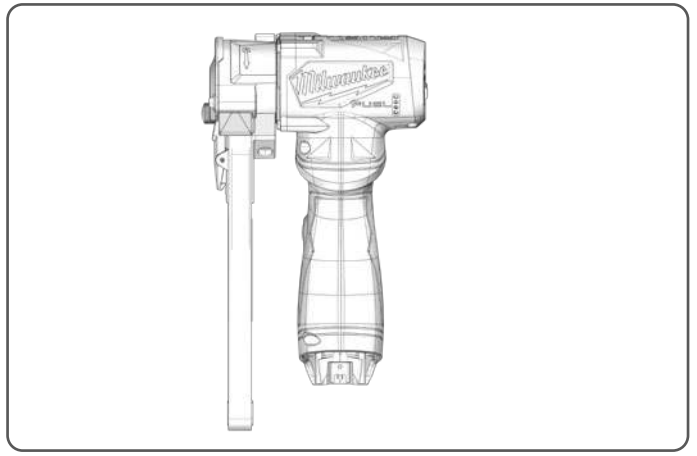
TIP

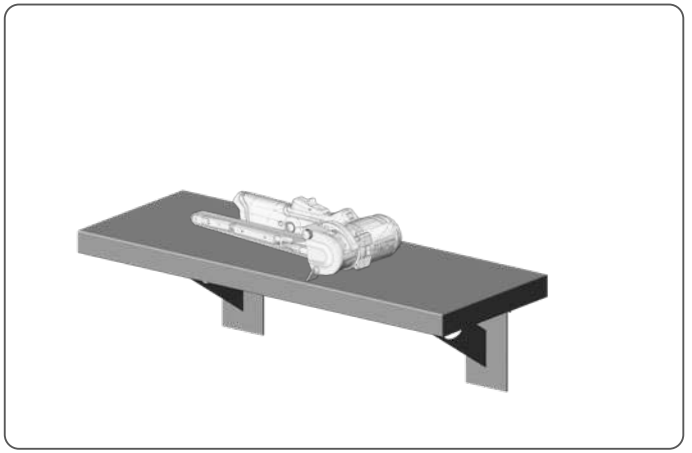






TIP





TECHNICAL DATA	M12 FBFL10	M12 FBFL13
Type	Bandfile	Bandfile
Production code	4919 22 01 XXXXXX MJJJJ	4919 32 01 XXXXXX MJJJJ
Battery voltage	12 V ⎓	12 V ⎓
Belt speed, high speed	0 - 18,5 m/s	0 - 18,4 m/s
Belt speed, low speed	0 - 9,2 m/s	0 - 9,3 m/s
Belt width	10 mm / 3/8"	13 mm / 1/2"
Belt length	330 mm / 13"	457 mm / 18"
Weight according EPTA-Procedure 01/2014 (Li-Ion 2,0 Ah ... 6,0 Ah)	1,0 ... 1,2 kg	1,1 ... 1,3 kg
Recommended Ambient Operating Temperature	-18 ... +50 °C	-18 ... +50 °C
Recommended battery types	M12B...	M12B...
Recommended charger	C12C; M12-18…; M12C4; M12TC	C12C; M12-18…; M12C4; M12TC
Noise information Measured values determined according to EN 62841. Typically, the A-weighted noise levels of the tool are:		
Sound pressure level / Uncertainty K	70 dB (A) / 3 dB (A)	68 dB (A) / 3 dB (A)
Sound power level / Uncertainty K	81 dB (A) / 3 dB (A)	79 dB (A) / 3 dB (A)
Wear ear protectors!		
Vibration information Vibration total values (triaxial vector sum) determined according to EN 62841		
Vibration emission value a_h / Uncertainty K	2,16 m/s² / 1,5 m/s²	1,69 m/s² / 1,5 m/s²

⚠ WARNING!

The vibration and noise emission level given in this information sheet has been measured in accordance with a standardized 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 and noise 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 and noise emission may differ. This may significantly increase the exposure level over the total working period.

An estimation of the level of exposure to vibration and noise should also take into account the times when the tool is switched off or when it is running but not actually doing the job. This may significantly reduce the exposure level over the total working period.

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

⚠ 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.

SAFETY INSTRUCTIONS FOR SANDERS

Collected sanding dust from sanding surface coatings such as polyurethanes, linseed oil, etc. can self-ignite in the vacuum cleaner bag or elsewhere and cause fire. To reduce the risk of fire always empty the vacuum cleaner bag frequently (10-15 minutes) while sanding and never store or leave a vacuum cleaner without totally emptying its vacuum cleaner bag. Also follow the recommendations of the coatings manufacturers.

ADDITIONAL SAFETY AND WORKING INSTRUCTIONS

Use personal protective equipment. Always wear eye protection. Protective equipment such as a dust mask, non-skid safety shoes, hard hat or hearing protection used for appropriate conditions will reduce personal injuries.

The dust produced when using this tool may be harmful to health. Do not inhale the dust. Wear a suitable dust protection mask. Do not machine any materials that present a danger to health (e.g.asbestos).

Switch the device off immediately if the insertion tool stalls! Do not switch the device on again while the insertion tool is stalled, as doing so could trigger a sudden recoil with a high reactive force. Determine why the insertion tool stalled and rectify this, paying heed to the safety instructions.

The possible causes may be:

- it is tilted in the workpiece to be machined
- it has pierced through the material to be machined
- the power tool is overloaded

Do not reach into the machine while it is running.

The insertion tool is sharp-edged and can become hot during use.

WARNING! Danger of cuts and burns
- when handling the insertion tools
- when setting the device down.

Wear protective gloves when handling insertion tools.

Chips and splinters must not be removed while the machine is running.

When working in walls ceiling, or floor, take care to avoid electric cables and gas or waterpipes.

Clamp your workpiece with a clamping device. Unclamped workpieces can cause severe injury and damage.

Remove the battery pack before starting any adjustment, cleaning and maintenance work on the device.

WARNING! To reduce the risk of fire, personal injury, and product damage due to a short circuit, never immerse your tool, battery pack or charger in fluid or allow a fluid to flow inside them. Corrosive or conductive fluids, such as seawater, certain industrial chemicals, and bleach or bleach containing products, etc., Can cause a short circuit.

Never break open battery packs and chargers and store only in dry rooms. Keep dry at all times.

Use only System M12 chargers for charging System M12 battery packs. Do not use battery packs from other systems.

SPECIFIED CONDITIONS OF USE

The belt sander can be used for sanding wood, plastic, metal, filler and painted surfaces.

This machine is suitable only for dry sanding.

Do not use the product in any way other than those stated for intended use.

RESIDUAL RISK

Even when the product is used as prescribed, it is still impossible to completely eliminate certain residual risk factors. The following hazards may arise in use and the operator should pay special attention to avoid the following:

- Injury caused by vibration. Hold the product by designated handles and restrict working time and exposure.
- Exposure to noise can cause hearing injury. Wear ear protection and limit exposure.
- Injury due to flying debris. Wear eye protection, heavy long trousers and substancial footwear at all times.
- Inhalation of toxic dusts.

NOTES FOR LI-ION BATTERIES

Use of Li-Ion batteries

Battery packs which have not been used for some time should be recharged before use.

Temperatures in excess of 50°C (122°F) reduce the performance of the battery pack. Avoid extended exposure to heat or sunshine (risk of overheating).
The contacts of chargers and battery packs must be kept clean.

For an optimum life-time, the battery packs have to be fully charged, after use.
To obtain the longest possible battery life remove the battery pack from the charger once it is fully charged.

For battery pack storage longer than 30 days:
Store the battery pack where the temperature is below 27°C and away from moisture
Store the battery packs in a 30% - 50% charged condition
Every six months of storage, charge the pack as normal.

Battery protection for Li-Ion batteries

In extremely high torque, binding, stalling and short circuit situations that cause high current draw, the tool will vibrate for about 5 seconds, the fuel gauge will flash,and then the tool will turn OFF.

To reset, release the trigger. Under extreme circumstances, the internal temperature of the battery pack could raise too much. If this happens, the fuel gauge will flash until the battery pack cooled down. After the lights go off, the work may continue.

Transporting Lithium Batteries

Lithium-ion batteries are subject to the Dangerous Goods Legislation requirements.

Transportation of those batteries has to be done in accordance with local, national and international provisions and regulations.

The user can transport the batteries by road without further requirements.

Commercial transport of Lithium-Ion batteries by third parties is subject to Dangerous Goods regulations. Transport preparation and transport are exclusively to be carried out by appropriately trained persons and the process has to be accompanied by corresponding experts.

When transporting batteries:

Ensure that battery contact terminals are protected and insulated to prevent short circuit.

Ensure that battery pack is secured against movement within packaging. Do not transport batteries that are cracked or leak. Check with forwarding company for further advice.

WORKING INSTRUCTIONS

The stock removal rate during sanding and the surface finish are essentially determined by the choice of sanding belt and the preselected belt speed. The higher the belt speed, the higher the stock removal and the finer the sanding surface.

Only flawless abrasive belts produce good sanding performance and protect the power tool. If possible, work with a low contact pressure to increase the service life of the sanding belts. The dead weight of the power tool is sufficient for good sanding performance. Excessive increase of the contact pressure does not result in higher sanding performance, but in greater wear of the power tool and the sanding belt.

Place the power tool switched on on the surface to be machined. Work at a moderate feed rate and carry out the sanding process parallel and overlapping to the sanding paths. Sand in the direction of the grain, crosswise sanding tracks result in disturbing sanding effects.

Particularly when sanding off paint residues, these may melt and smear the material surface and the sanding belt. Therefore, work with dust extraction.

A sanding belt with which metal has already been processed should not be used for other materials.

Only store abrasive belts in a hanging position and do not bend them, otherwise they will become unusable.

Preselect belt speed

The required belt speed depends on the material and the working conditions and can be determined using practical tests.

CLEANING

The ventilation slots of the machine must be kept clear at all times.

MAINTENANCE

Use only Milwaukee accessories and Milwaukee spare parts. Should components need to be replaced which have not been described, please contact one of our Milwaukee service agents (see our list of guarantee/service addresses).

If needed, an exploded view of the tool can be ordered. Please state the Article No. as well as the machine type printed on the label and order the drawing at your local service agents or directly at: Techtronic Industries GmbH, Max-Eyth-Straße 10, 71364 Winnenden, Germany.

SYMBOLS

	Please read the instructions carefully before starting the machine.
	CAUTION! WARNING! DANGER!
	Remove the battery pack before starting any work on the appliance.
	Always wear goggles when using the machine.
	Wear a suitable dust protection mask.
	Rotation direction
	Accessory - Not included in standard equipment, available as an accessory.
	Do not dispose electric tools, batteries/rechargeable batteries together with household waste material. Electric tools and batteries that have reached the end of their life must be collected separately and returned to an environmentally compatible recycling facility. Check with your local authority or retailer for recycling advice and collection point.
n_0	Belt speed no load
V	Voltage
⎓	Direct Current
CE	European Conformity Mark
UK CA	British Conformity Mark
	Ukraine Conformity Mark
EAC	EurAsian Conformity Mark

EC DECLARATION OF CONFORMITY

We declare as the manufacturer under our sole responsibility that the product described under “Technical Data” fulfills all the relevant regulations and directives listed below and that the following harmonized standards have been used.

2011/65/EU (RoHS)
2014/30/EU
2006/42/EC

EN 62841-1:2015
EN 62841-2-4:2014
EN IEC 55014-1:2021
EN IEC 55014-2:2021
EN IEC 63000:2018

Winnenden, 2022-05-28

Alexander Krug
Managing Director

Authorized to compile the technical file:

Techtronic Industries GmbH
Max-Eyth-Straße 10
71364 Winnenden
Germany

GB-DECLARATION OF CONFORMITY

We declare as the manufacturer under our sole responsibility that the product described under “Technical Data” fulfills all the listed below relevant regulations and that the following designated standards have been used.

S.I. 2008/1597 (as amended)
S.I. 2016/1091 (as amended)
S.I. 2012/3032 (as amended)

BS EN 62841-1:2015
BS EN 62841-2-4:2014
BS EN IEC 55014-1:2021
BS EN IEC 55014-2:2021
BS EN IEC 63000:2018

Winnenden, 2022-05-28

Alexander Krug
Managing Director

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71364 Winnenden
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Authorized to compile the technical file:

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