



Nothing but **HEAVY DUTY.**



# **M18 FMTIWP12**

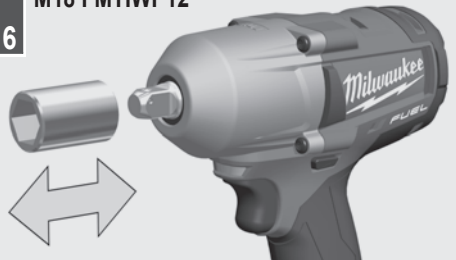
# **M18 FMTIWF12**

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Original instructions

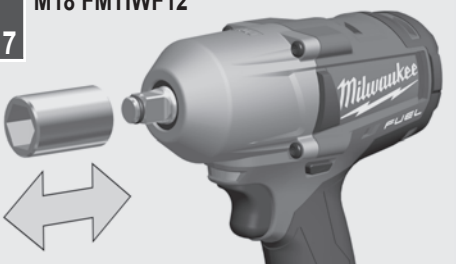
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M18 FMTIWP12



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M18 FMTIWF12



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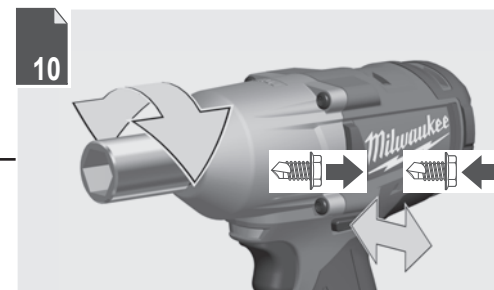
Picture section with operating description and functional description

14

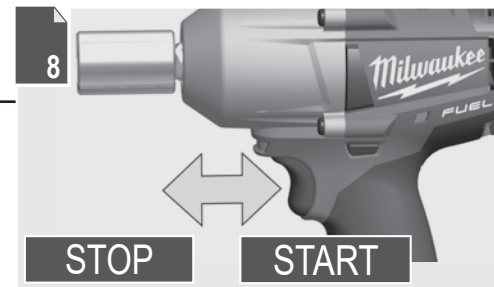
Text section with Technical Data, important Safety and Working Hints and description of Symbols



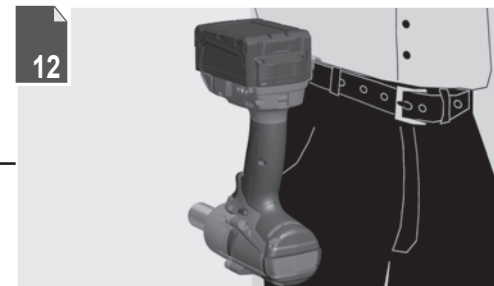
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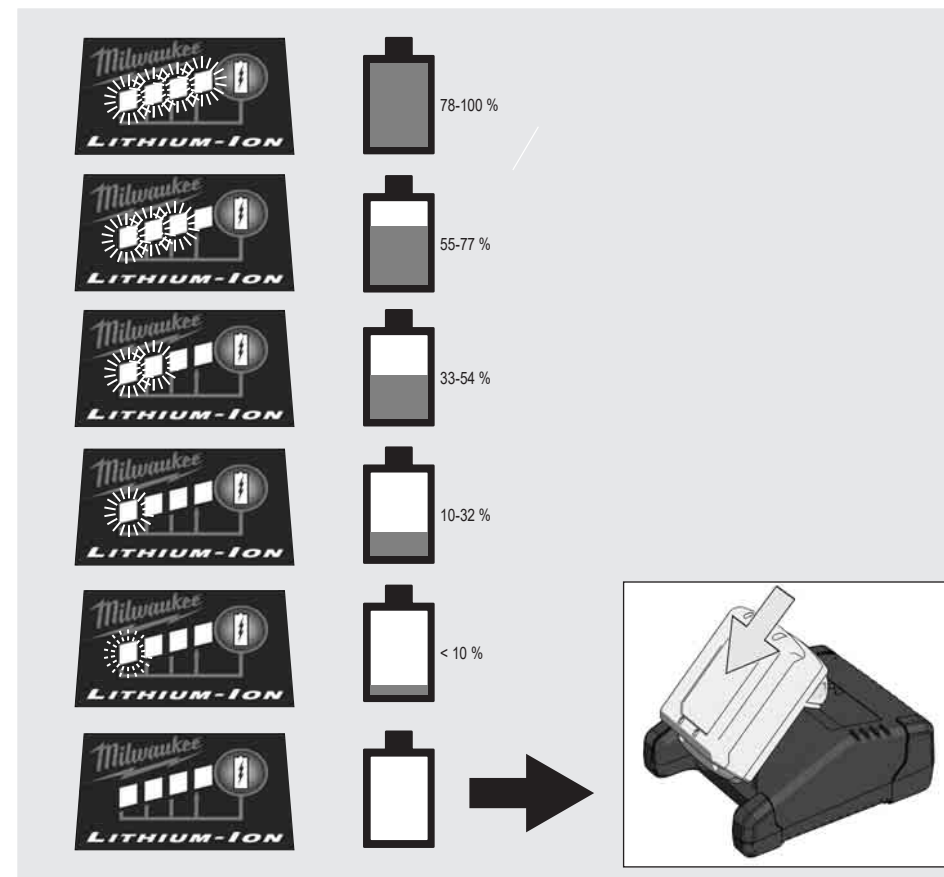
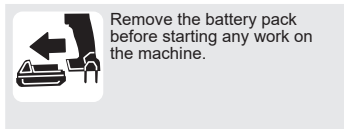
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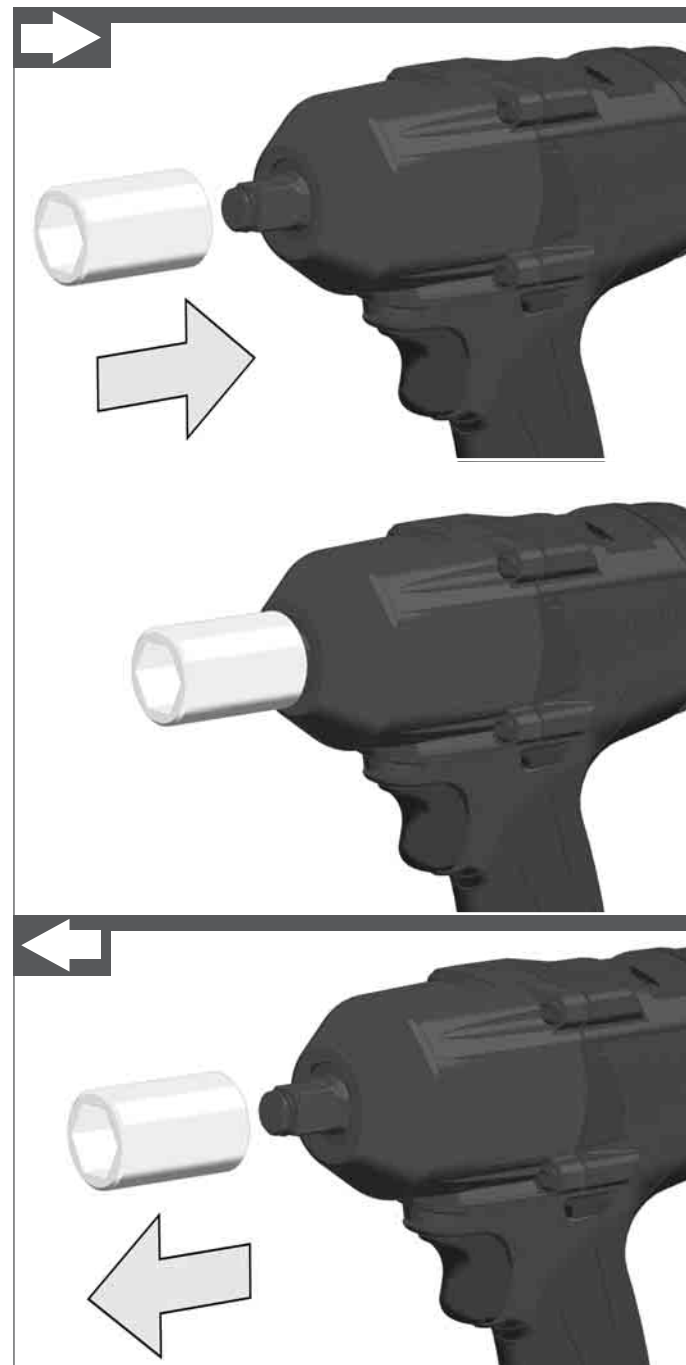
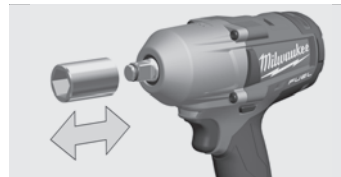
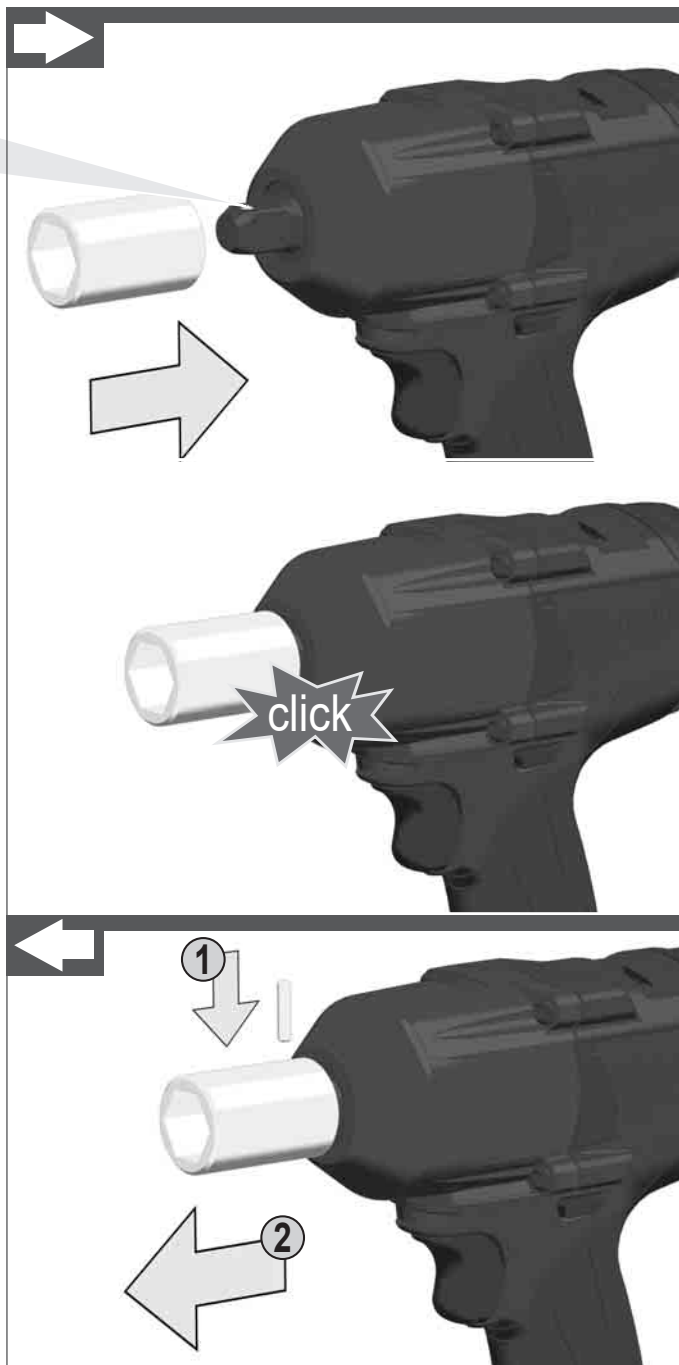
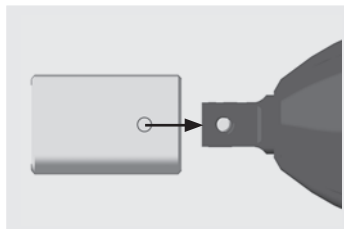
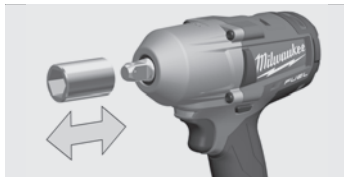


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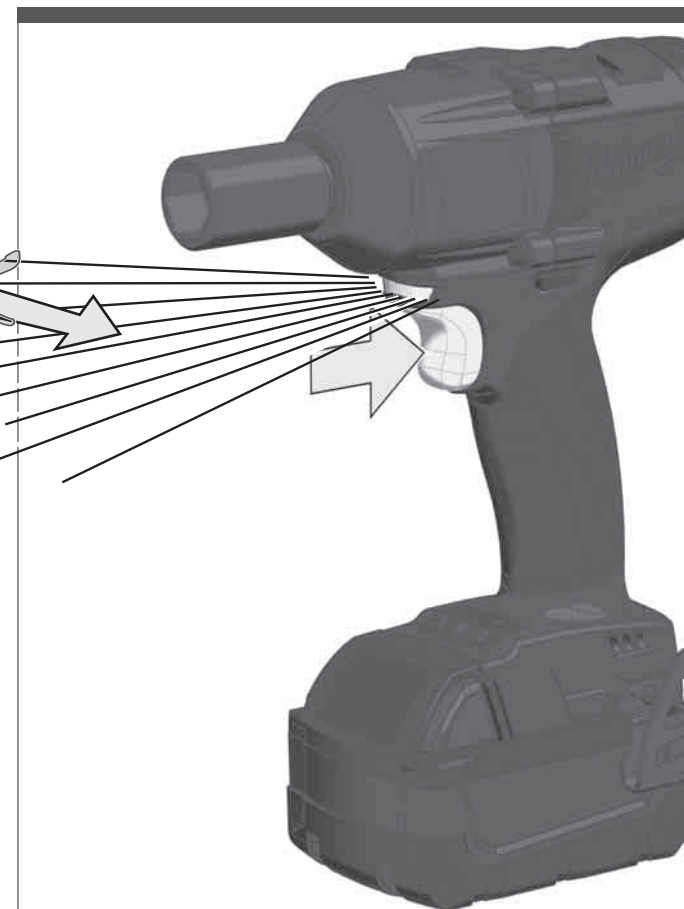
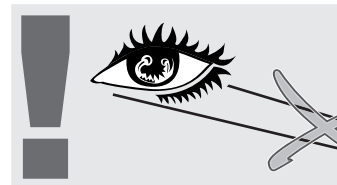
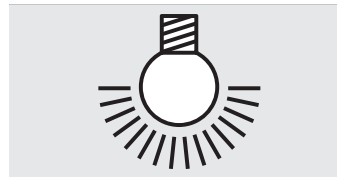


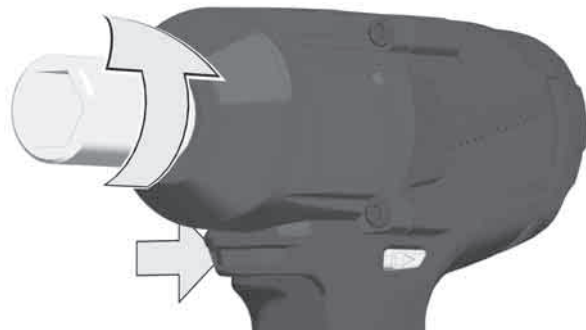
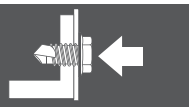


START

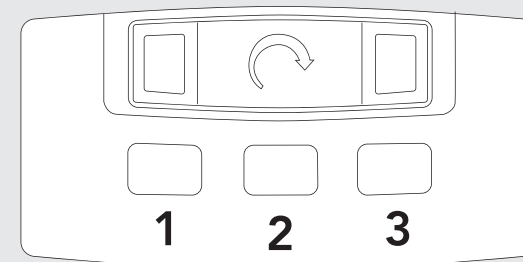
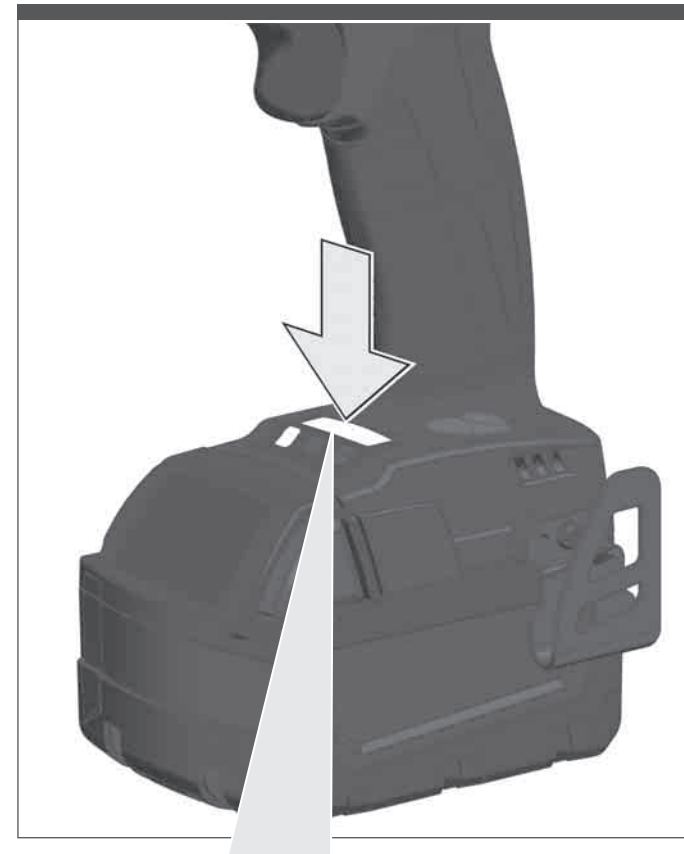
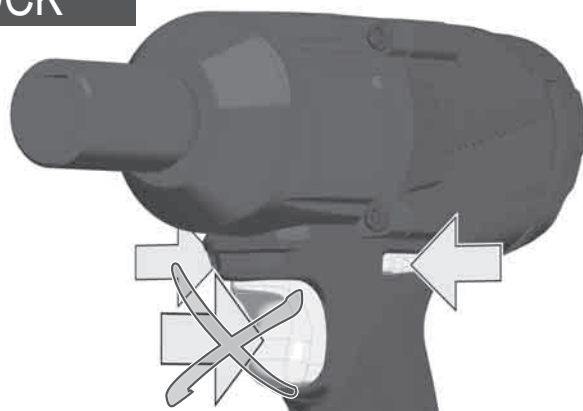


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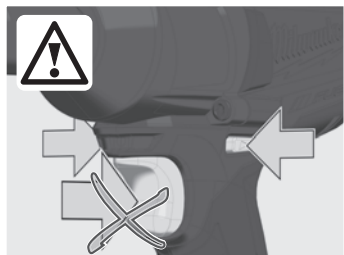
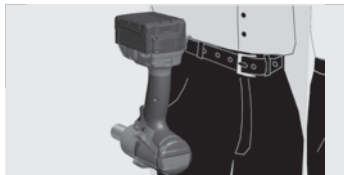




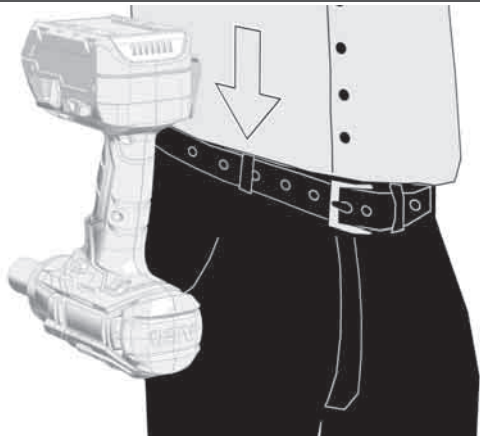
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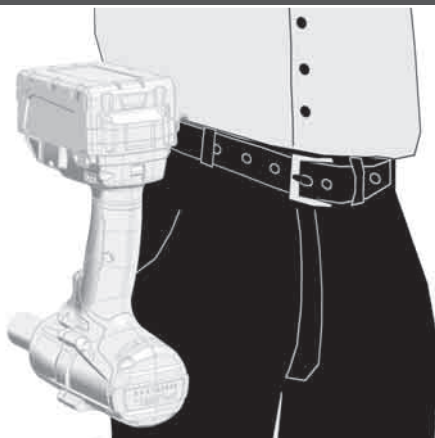
M18 FMTIWP12	min <sup>-1</sup>	0-1700	0-2100	0-2400
M18 FMTIWF12	min <sup>-1</sup>	0-510	0-2100	0-2400
M18 FMTIWP12	↶	0-2300	0-2700	0-3000
M18 FMTIWF12	↷	0-420	0-2700	0-3000








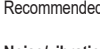
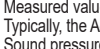
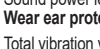
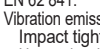
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2





TECHNICAL DATA	CORDLESS IMPACT SCREWDRIVER	M18 FMTIWP12	M18 FMTIWF12
Production code .....	4584 22 02...	4584 11 02...	000001-999999
 No-load speed .....	0-1700 min <sup>-1</sup>	0-510 min <sup>-1</sup>	0-2300 min <sup>-1</sup>
 Impact range .....	0-2300 min <sup>-1</sup>	0-420 min <sup>-1</sup>	0-430 Nm
 Torque .....	0-2100 min <sup>-1</sup>	0-2100 min <sup>-1</sup>	0-2700 min <sup>-1</sup>
 No-load speed .....	0-2100 min <sup>-1</sup>	0-2100 min <sup>-1</sup>	0-2700 min <sup>-1</sup>
 Impact range .....	0-2700 min <sup>-1</sup>	0-2700 min <sup>-1</sup>	0-550 Nm
 Torque .....	0-2400 min <sup>-1</sup>	0-2400 min <sup>-1</sup>	0-3000 min <sup>-1</sup>
 No-load speed .....	0-2400 min <sup>-1</sup>	0-2400 min <sup>-1</sup>	0-3000 min <sup>-1</sup>
 Impact range .....	0-3000 min <sup>-1</sup>	0-3000 min <sup>-1</sup>	0-610 Nm
 Torque .....	M20	M20	1/2" (12,7 mm)
Max. diameter bolt / nut .....	1/2" (12,7 mm)	1/2" (12,7 mm)	18 V
Tool reception .....	18 V	18 V	2,5 kg
Battery voltage .....	2,5 kg	2,5 kg	2,8 kg
Weight according EPTA-Procedure 01/2014 (4.0 Ah / 5.0 Ah) .....	2,8 kg	2,8 kg	-18...+50 °C
Weight according EPTA-Procedure 01/2014 (9.0 Ah) .....	M18B...	M18B...	M12-18C, M12-18AC, M12-18FC, M1418C6
Recommended ambient operating temperature .....	M12-18C, M12-18AC, M12-18FC, M1418C6		
Recommended battery types .....			
Recommended charger .....			

#### Noise/vibration information

Measured values determined according to EN 62 841.

Typically, the A-weighted noise levels of the tool are:

Sound pressure level (Uncertainty K=3dB(A)) .....	98,5 dB (A)	98,5 dB (A)
Sound power level (Uncertainty K=3dB(A)) .....	109,5 dB (A)	109,5 dB (A)

#### Wear ear protectors!

Total vibration values (vector sum in the three axes) determined according to EN 62 841.

Vibration emission value a <sub>h</sub>	9,92 m/s <sup>2</sup>	9,92 m/s <sup>2</sup>
Impact tightening of fasteners of the maximum capacity of the tool .....	1,5 m/s <sup>2</sup>	1,5 m/s <sup>2</sup>
Uncertainty K= .....		

#### WARNING

The vibration emission level given in this information sheet has been measured in accordance with a standardised test given in EN 62 841 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.

An estimation of the level of exposure to vibration 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 such as: maintain the tool and the accessories, keep the hands warm, organisation 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.

#### IMPACT DRIVER SAFETY WARNINGS

**Hold power tool by insulated gripping surfaces, when performing an operation where the fastener may contact hidden wiring.** Fasteners contacting a „live“ wire may make exposed metal parts of the power tool „live“ and could give the operator an electric shock.

**Wear ear protectors.** Exposure to noise can cause hearing loss.

#### ADDITIONAL SAFETY AND WORKING INSTRUCTIONS

Use protective equipment. Always wear safety glasses when working with the machine. The use of protective clothing is recommended, such as dust mask, protective gloves, sturdy non-slip footwear, helmet and ear defenders.

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 may become hot during use.

- when changing tools
- when setting the device down

Sawdust 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 work on the machine.

Do not dispose of used battery packs in the household refuse or by burning them. Milwaukee Distributors offer to retrieve old batteries to protect our environment.

Do not store the battery pack together with metal objects (short circuit risk).

Use only System M18 chargers for charging System M18 battery packs. Do not use battery packs from other systems.

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

Battery acid may leak from damaged batteries under extreme load or extreme temperatures. In case of contact with battery acid wash it off immediately with soap and water. In case of eye contact rinse thoroughly for at least 10 minutes and immediately seek medical attention.

ALWAYS USE A SIDE HANDLE when using a 9.0 Ah or higher capacity battery pack; the output torque of some tools may increase. If your drill/driver did not come with a side handle, use the spare part side handle (see explosion drawing of the tool).

**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.

#### SPECIFIED CONDITIONS OF USE

The cordless impact wrench can be used to tighten and loosen nuts and bolts wherever no mains connection is available.

Do not use this product in any other way as stated for normal use.

#### EC-DECLARATION OF CONFORMITY

We declare under our sole responsibility that the product described under "Technical Data" fulfills all the relevant regulations and the directives 2011/65/ EU (RoHS), 2014/30/EU, 2006/42/EC, and the following harmonized standards have been used:

EN 62841-1:2015  
EN 62841-2-2:2014  
EN 55014-1:2017 + A11:2020  
EN 55014-2:2015  
EN IEC 63000:2018

Winnenden, 2020-10-23

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 relevant provisions of the following Regulations S.I. 2008/1597 (as amended), S.I. 2016/1091 (as amended), S.I. 2012/3032 (as amended) and that the following designated standards have been used:

BS EN 62841-1:2015  
BS EN 62841-2-2:2014  
BS EN 55014-1:2017 + A11:2020  
BS EN 55014-2:2015  
BS EN IEC 63000:2018

Winnenden, 2020-10-23

Alexander Krug  
Managing Director

Authorized to compile the technical file.

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

#### 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, after use, the battery packs have to be fully charged.

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 PACK PROTECTION

In extremely high torque, binding, stalling and short circuit situations that cause high current draw, the tool will vibrate for about 2 seconds and then the tool will turn OFF.

To reset, release the trigger.

Under extreme circumstances, the internal temperatur of the battery could

become to high. If this happens, the battery will shut down.

Place the battery on the charger to charge and reset it.

#### 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

#### MAINTENANCE

Use only Milwaukee accessories and 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 machine type printed as well as the six-digit No. 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

	CAUTION! WARNING! DANGER!
	Remove the battery pack before starting any work on the machine.
	Please read the instructions carefully before starting the machine.
	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.
	No-load speed
	Volts
	Direct current
	European Conformity Mark
	British Conformity Mark
	National mark of conformity Ukraine
	EurAsian Conformity Mark.



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