Milwaukee™

Nothing but **HEAVY DUTY.**™

M18 DBSC

EN **User Manual**

ZH **操作指南**

ZH 操作指南

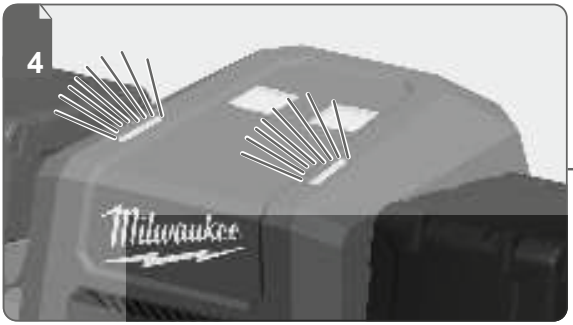
KO 사용시 주의사항

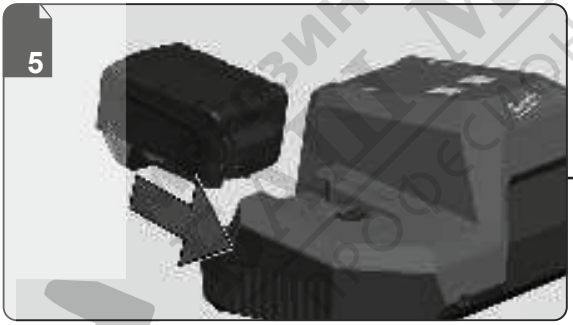
TH คู่มือการใช้งาน

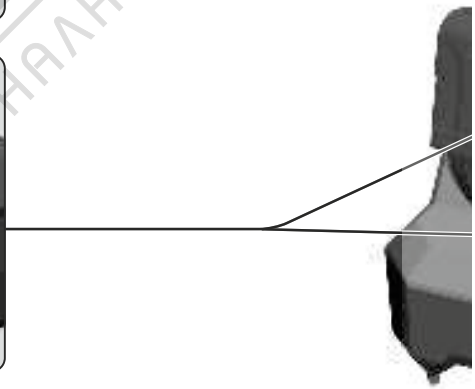
ID Buku Petunjuk Pengguna

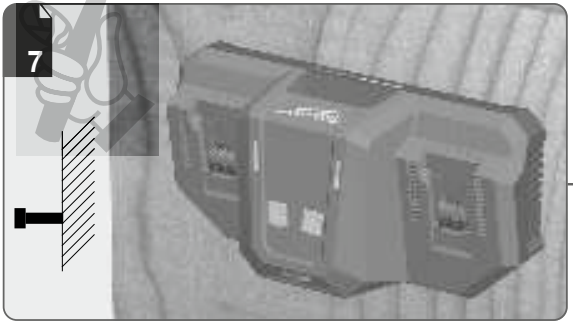
VI Cẩm nang hướng dẫn sử dụng

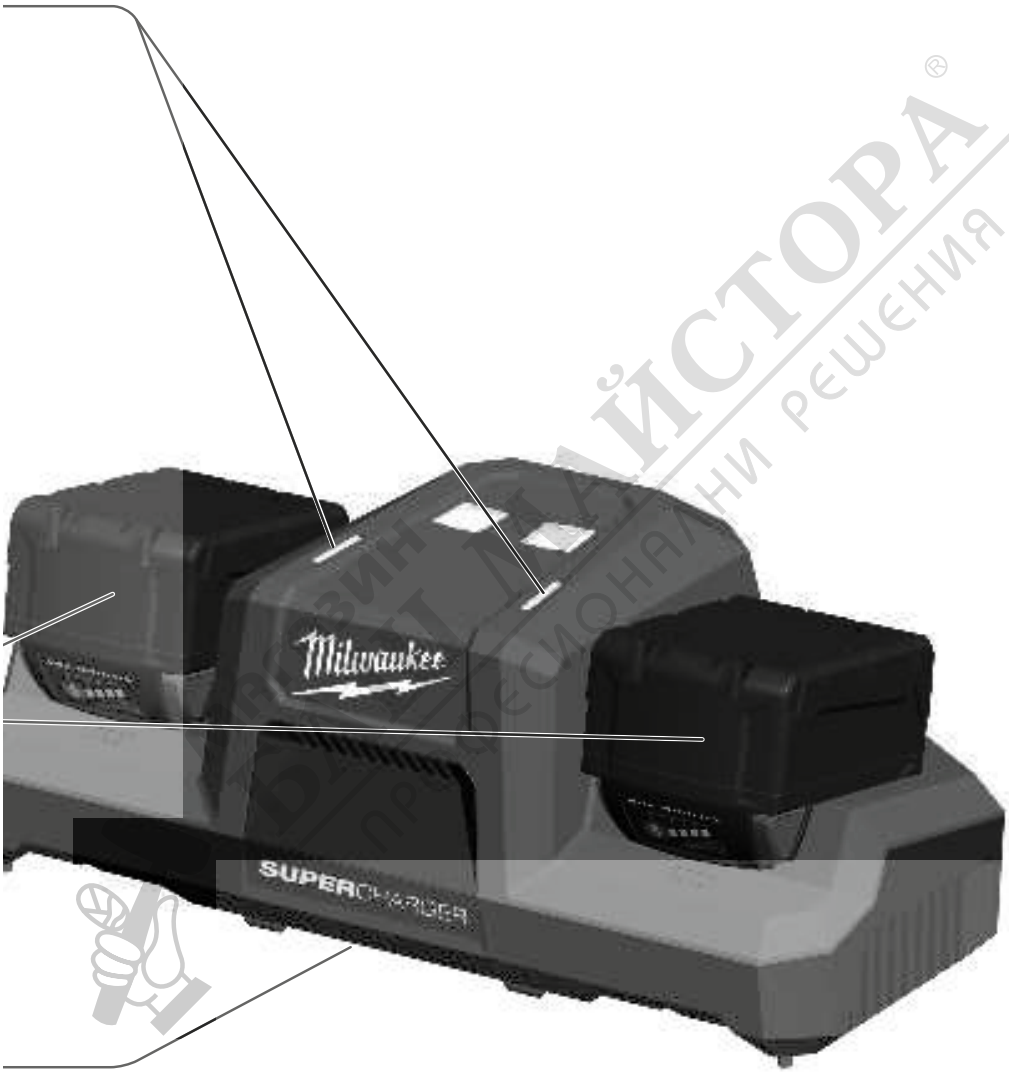
JA 取扱説明書

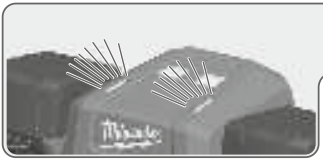












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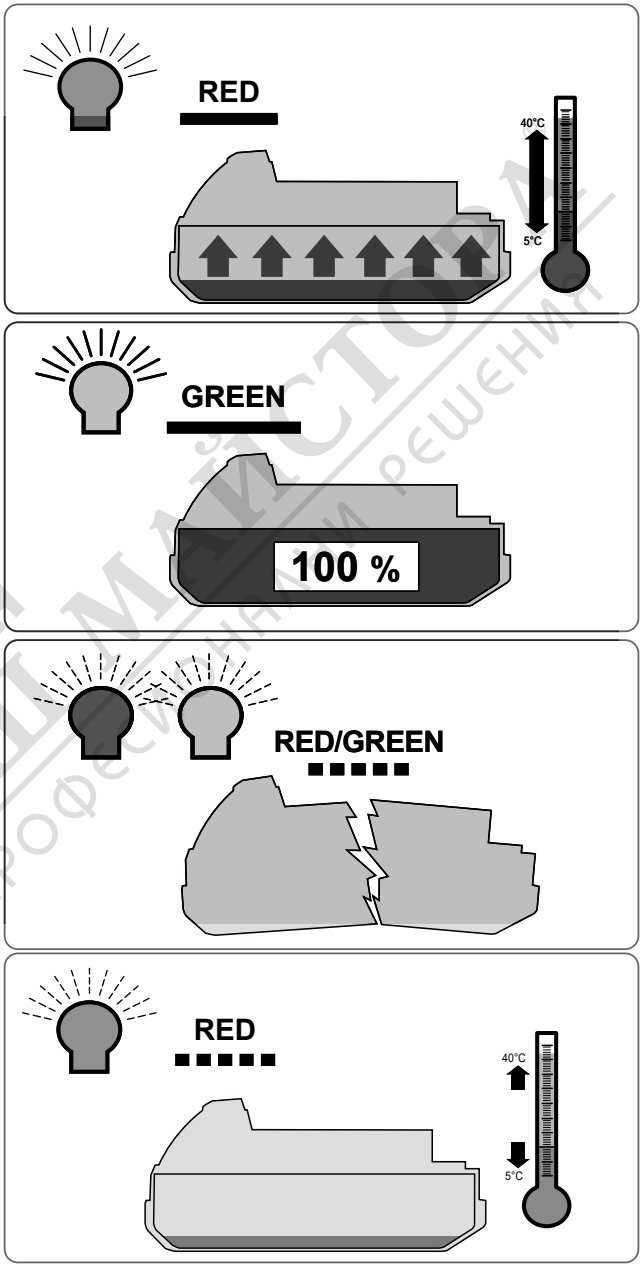
红灯	绿灯
붉은색	녹색
สีแดง	สีเขียว
Merah	Hijau
Đỏ	Xanh lục
赤	緑



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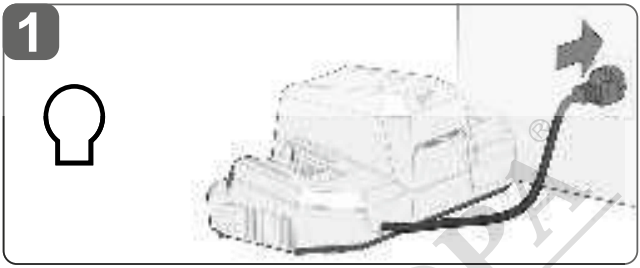

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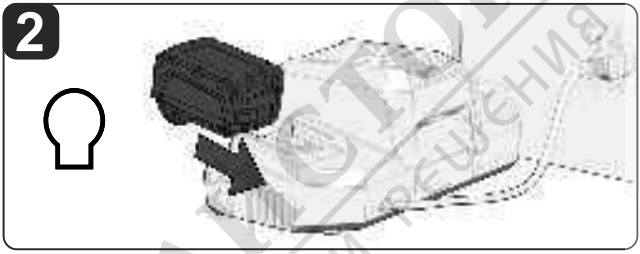

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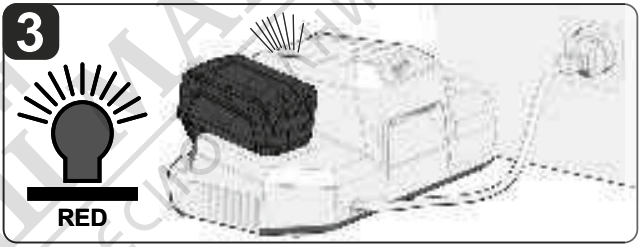

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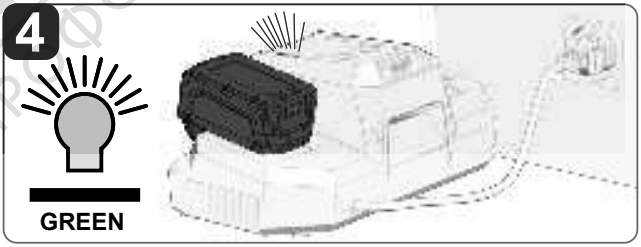

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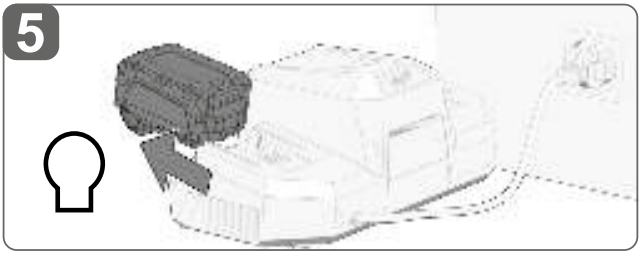

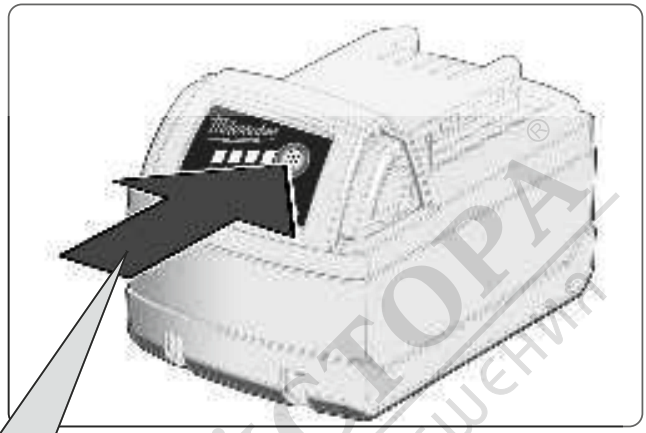

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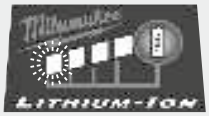

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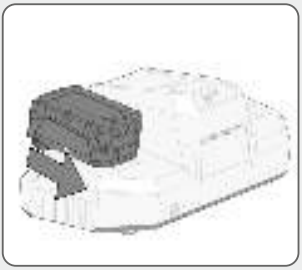

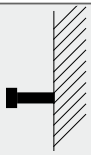

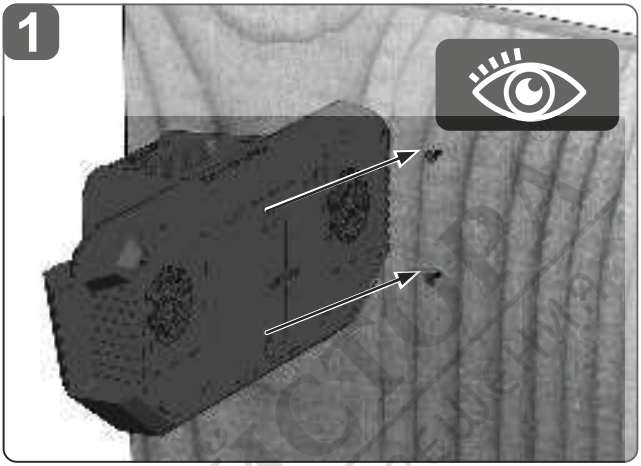

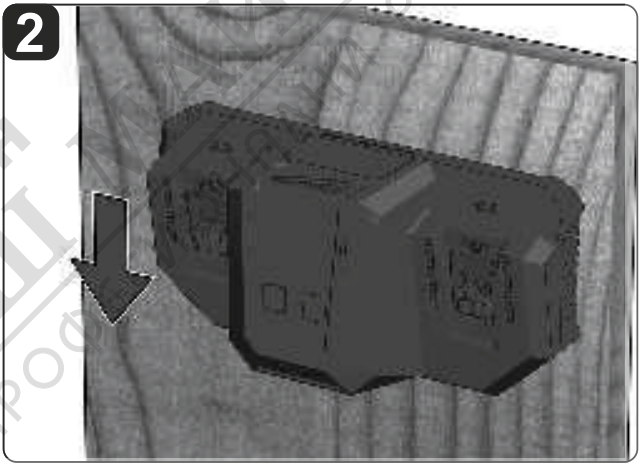

TECHNICAL DATA	M18 DBSC
Type	Battery charger
Output voltage	18 V ⎓
Input voltage range	220-240 V~
Max charging current	18 A
Input power	470 W
Weight according EPTA-Procedure 01/2014	2.72 kg
Recommended ambient charging temperature	+ 5 °C - + 40 °C

⚠ 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

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.

The following batteries can be charged with this charger:

Battery model no.	Cell type	DC volts	Capacity	Cell no.
M18B	Li-ion	18 V	≤ 1.5 Ah	5
M18B2	Li-ion	18 V	≤ 2.0 Ah	5
M18BX	Li-ion	18 V	≤ 3.0 Ah	2 x 5
M18B4	Li-ion	18 V	≤ 4.0 Ah	2 x 5
M18B5	Li-ion	18 V	≤ 5.0 Ah	2 x 5
M18B5-CR	Li-ion	18 V	≤ 5.0 Ah	2 x 5
M18 HB3	Li-ion	18 V	≤ 3.0 Ah	5
M18 HB6	Li-ion	18 V	≤ 6.0 Ah	2 x 5
M18 HB8	Li-ion	18 V	≤ 8.0 Ah	2 x 5
M18 HB12	Li-ion	18 V	≤ 12.0 Ah	3 x 5
M18 FB6	Li-ion	18 V	≤ 6.0 Ah	5

Do not try to charge non-rechargeable battery packs with this charger.

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

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

Do not touch the product with conducting objects.

Never charge a damaged battery pack. Replace it with a new one.

Before use, check the product, cable, and plug for any damages or material fatigue. Repairs should only be carried out by authorised service centres.

Always place the charger on a level, well-ventilated surface (e.g. not on a car seat).

Do not place anything, such as a jacket, over the charger and battery pack.

The product is not intended for use by persons (including children) with limited physical, sensory, or mental capabilities or have insufficient experience or knowledge, unless they are supervised by a person who is responsible for their safety or have been instructed by them in the safe use of the product. Children should be supervised to ensure that they do not play with the product. When the product is not in use, it should be secure out of their reach.

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.

No metal parts must be allowed to enter the battery section of the charger (short circuit risk).

ADDITIONAL BATTERY SAFETY WARNINGS

⚠ WARNING! To reduce the risk of fire, personal injury, and product damage due to a short circuit, never immerse the product, battery pack, or charger in fluid or allow 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

This charger charges 18V MILWAUKEE Li-Ion battery packs.

Do not use the product for any other purpose.

CHARGING TIME

Battery model no.	DC volts	Capacity	Approximate charging time
M18B	18 V	≤ 1.5 Ah	21 min
M18B2	18 V	≤ 2.0 Ah	27 min
M18BX	18 V	≤ 3.0 Ah	35 min
M18B4	18 V	≤ 4.0 Ah	48 min
M18B5	18 V	≤ 5.0 Ah	63 min
M18B5-CR	18 V	≤ 5.0 Ah	63 min
M18 HB3	18 V	≤ 3.0 Ah	≤ 35 min
M18 HB6	18 V	≤ 6.0 Ah	≤ 60 min
M18 HB8	18 V	≤ 8.0 Ah	45 min
M18 HB12	18 V	≤12.0 Ah	60 min
M18 FB6	18 V	≤ 6.0 Ah	≤ 25 min

MAINS CONNECTION

Connect the product only to a single-phase AC current and only to the system voltage indicated on the rating plate. It is also possible to connect to sockets without an earthing contact as the design conforms to safety class II.

BATTERIES

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

Temperatures in excess of 50 °C reduce the performance of the battery pack. Avoid extended exposure to heat or sunshine (risk of overheating).

The contacts of the chargers and battery packs must be kept clean.

For an optimum lifetime, 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 PACK PROTECTION

To protect itself from damage and extend its life, the battery pack's intelligent circuit monitors current draw and temperature. In extremely high torque, binding, stalling, and short circuit situations, the battery pack turns off the product if the current draw becomes too high. The fuel gauge flashes. Release the trigger, wait for the fuel gauge to stop flashing, and then restart the product.

Under extreme circumstances, the internal temperature of the battery could become too high. If this happens, the fuel gauge lights flash in an alternating pattern and the product does not run. Allow the battery pack to cool down.

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.

Batteries can be transported 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 the battery contact terminals are protected and insulated to prevent short circuit.
- Ensure that the battery pack is secured against movement within the packaging.
- Do not transport batteries that are cracked or leaking.
- Check with the forwarding company for further advice.

CHARACTERISTICS

Immediately after using the battery pack, the fuel gauge may display a lower charge than it will if checked a few minutes later. The battery cells recover some of their charge after resting.

Remove the battery pack from the product for charging when convenient for you and your job. MILWAUKEE batteries do not develop a memory when charged after only a partial discharge. It is not necessary to run down the battery pack before placing it on the charger.

The only time it is necessary to charge the MILWAUKEE Li-ion battery pack is when the battery pack has reached the end of its charge. To signal the end of charge, the power to the product will drop quickly, allowing just enough power to finish making a cut, drilling a hole, or driving a fastener. Charge the battery pack as needed.

The charger will keep the battery pack fully charged if it is left on the charger. The light indicator will be the same as normal charging.

If the light indicator flashes red and green, check that the battery pack is fully seated into the bay. Remove the battery pack and reinsert it. If the light continues to flash red and green, remove the battery pack(s) and unplug the charger for at least 2 minutes. After 2 minutes, plug the charger back in and insert the battery pack. If the problem persists, contact a MILWAUKEE service centre.

CHARGER LIGHT INDICATORS

Continuous red	Charging
Slow flashing green	Approaching full charge
Continuous green	Charging is complete
Fast flashing red	Battery or charger is too hot/ cold - charging will begin/resume when battery pack or charger reaches the correct charging temperature.
Slow flashing red	Battery charge is pending - Charging will begin when the first pack is fully charged.
Flashing red/green	Damaged or faulty battery pack

SUPER CHARGING

Super charge occurs when the battery pack is charging above 9 A. The super charge light indicator illuminates when a battery pack is super charging. If charging two battery packs capable of 12-ampere charging, the charger recharges the first pack at 12 A, and the second battery pack recharges at 6 A. Once the first battery pack is fully charged (charge indicator light is solid green), the second battery pack charges at 12 A or up to 18 A (depending on the battery pack capacity) until it is fully charged.

COLD WEATHER OPERATION

MILWAUKEE Li-ion battery packs are designed to operate in temperatures below freezing. When the battery pack is too cold, it may need to warm up before normal use. Put the battery pack on a product and use the product in a light application.

COOL CYCLE FANS

Cool cycle fans are designed to cool the battery packs while charging.

Once the battery pack is inserted, the cool cycle fans turn on and may continue cooling the battery pack after it is charged.

The cool cycle fans may not turn on or spin slower if the battery pack is cool.

If the charge light indicators slowly pulse red with no battery pack installed, the cool cycle fan is damaged, contact a MILWAUKEE service facility.

POWERING THE CHARGER WITH AN INVERTER OR GENERATOR

The charger will operate with most 120-240 V generators and inverters rated at 500 Watts or higher.

MAINTENANCE

If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid hazard.

Use only MILWAUKEE accessories and spare parts. Should components that have not been described need to be replaced, contact one of our MILWAUKEE service centres (see our list of guarantee or service addresses).

If needed, an exploded view of the product can be ordered. State the product type and the serial number on the label, and order the drawing at your local service centres.

SYMBOLS

Read the instructions carefully before starting the product.

CAUTION! WARNING! DANGER!

Safety class III

The product is only suitable for indoor use. Do not expose the product to rain.

Class II tool

Do not dispose of waste batteries, waste electrical and electronic equipment as unsorted municipal waste. Waste batteries and waste electrical and electronic equipment must be collected separately. Waste batteries, waste accumulators and light sources have to be removed from equipment. Check with your local authority or retailer for recycling advice and collection point. According to local regulations retailers may have an obligation to take back waste batteries and waste electrical and electronic equipment free of charge. Your contribution to re-use and recycling of waste batteries and waste electrical and electronic equipment helps to reduce the demand of raw materials. Waste batteries, in particular containing lithium and waste electrical and electronic equipment contain valuable, recyclable materials, which can adversely impact the environment and the human health, if not disposed of in an environmentally compatible manner. Delete personnel data from waste equipment, if any.