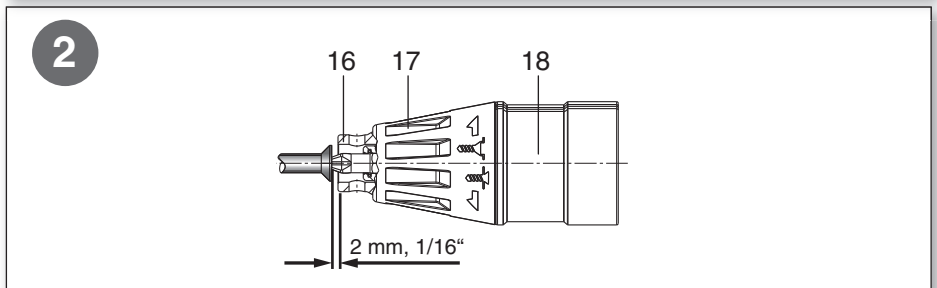
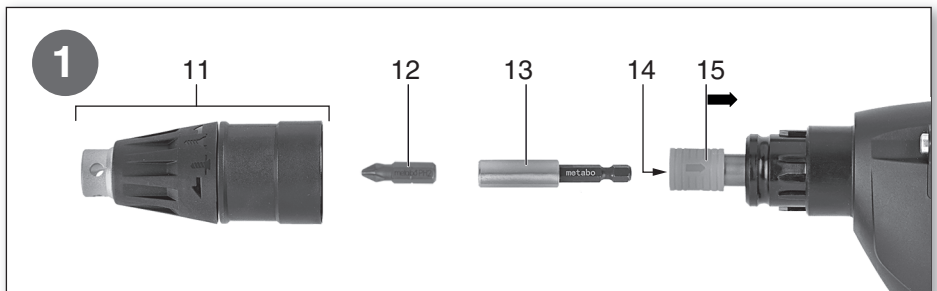


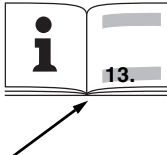
HBS 18 LTX BL 3000
TBS 18 LTX BL 5000



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| | | | |
|---|-------------------------|--|--|
|  | | HBS 18 LTX BL 3000 <small>*1) Serial Number 20062...</small> | TBS 18 LTX BL 5000 <small>*1) Serial Number 20063...</small> |
| U | V | 18 | 18 |
| n₀ | min ⁻¹ (rpm) | 0- 3000 | 0 - 5000 |
| T_{max.} | Nm | 10 (88.5) | 6 (53.1) |
| H | mm (in) | 6,35 (1/4") | 6,35 (1/4") |
| m | kg (lbs) | 1,4 (3.1) | 1,3 (2.9) |
| a_h/k_h | m/s ² | < 2,5 | < 2,5 |
| L_{pA}/K_{pA} | dB(A) | 75 / 3 | 72 / 3 |
| L_{WA}/K_{WA} | dB(A) | 85 / 3 | 83 / 3 |



*2) 2014/30/EU, 2006/42/EC, 2011/65/EU

*3) EN 62841:2015, EN 62841-2-2:2014, EN IEC 63000:2018

2021-05-19, Bernd Fleischmann

Direktor Produktenstehung & Qualität (Vice President Product Engineering & Quality)

*4) Metabowerke GmbH - Metabo-Allee 1 - 72622 Nuertingen, Germany

ppa. B.F.

Original instructions

1. Declaration of Conformity

We, being solely responsible, hereby declare that these screwdrivers, identified by type and serial number *1), meet all relevant requirements of directives *2) and standards *3). Technical documents for *4) - see page 3.

2. Specified Conditions of Use

The tools are suitable for screwing into gypsum plasterboard on timber and metal substructures and gypsum fibre board up to 12.5 mm on metal substructures.

HBS 18 LTX BL 3000 are also suitable for gypsum fibre board up to 12.5 mm on timber substructures and on lay plates, and for chipboard (OSB) on timber substructures.

The machines are not suitable for inserting and removing screws in metal materials.

The user bears sole responsibility for any damage caused by inappropriate use.

Generally accepted accident prevention regulations and the enclosed safety information must be observed.

3. General Safety Information



For your own protection and for the protection of your power tool, pay attention to all parts of the text that are marked with this symbol!



WARNING – Read the operating instructions to reduce the risk of injury.



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.

Keep all safety instructions and information for future reference.

Always include these documents when passing on your power tool.

4. Special safety instructions

Hold the 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.

Ensure that the spot where you wish to work is free of **power cables, gas lines or water pipes** (e.g. using a metal detector).

Smaller workpieces must be secured in such a way that they are not carried along with the screwdriver bit

(e.g. by clamping in a vice or on a work bench with screw clamps).

Keep hands away from the rotating tool! Remove debris and similar material only when the machine is at a standstill.

Wear ear protectors when working for long periods of time. High noise levels over a prolonged period of time may affect your hearing.

Note that high counter-torques are possible during work. Always hold the machine firmly, adopt a steady stance and focus on your work.

Do not keep the ventilation slots closed.

Materials that generate dusts or vapours that may be harmful to health (e.g. asbestos) must not be processed.

Avoid inadvertent starts by making sure that the machine is switched off before fitting the battery pack.

Remove the battery pack from the tool before any adjustments, conversions, servicing or cleaning are performed.



Protect battery packs from water and moisture!



Do not expose battery packs to fire!

Do not use faulty or deformed battery packs!

Do not open battery packs!

Do not touch or short circuit battery pack contacts!



A slightly acidic, flammable fluid may leak from defective Li-Ion battery packs!



If battery fluid leaks out and comes into contact with your skin, rinse immediately with plenty of water. If battery fluid leaks out and comes into contact with your eyes, wash them with clean water and seek medical attention immediately! If the machine is defective, remove the battery pack from the machine.

LED light (10): do not observe the LED radiation directly with optical instruments.

Transport of Li-Ion battery packs:

The shipping of Li-Ion battery packs is subject to laws related to the carriage of hazardous goods (UN 3480 and UN 3481). Inform yourself of the currently valid specifications when shipping Li-Ion battery packs. If necessary, consult your freight forwarder. Certified packaging is available from Metabo.

Only send the battery pack if the housing is intact and no fluid is leaking. Remove the battery pack from the machine for sending. Prevent the contacts from short-circuiting (e.g. by protecting them with adhesive tape).

4.1 Reducing dust exposure:



WARNING - Some dust created by power sanding, sawing, grinding, drilling, and other

construction activities contains chemicals known to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

- Lead from lead-based paints,
- crystalline silica from bricks and cement and other masonry products, and
- arsenic and chromium from chemically treated lumber.

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a wellventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles.

This also applies to dust from other materials, such as some timber types (like oak or beech dust), metals, asbestos. Other known diseases are e.g. allergic reactions, respiratory diseases. Do not let dust enter the body.

Observe the relevant guidelines and national regulations for your material, staff, application and place of application (e.g. occupational health and safety regulations, disposal).

Collect the particles generated at the source, avoid deposits in the surrounding area.

Use suitable accessories for special work. In this way, fewer particles enter the environment in an uncontrolled manner.

Use a suitable extraction unit.

Reduce dust exposure with the following measures:

- do not direct the escaping particles and the exhaust air stream towards yourself or nearby persons or towards dust deposits,
- use an extraction unit and/or an air purifier,
- ensure good ventilation of the workplace and keep it clean using a vacuum cleaner. Sweeping or blowing stirs up dust.
- Vacuum or wash protective clothing. Do not blow, beat or brush protective gear.

5. Overview

See page 2.

- 1 Rotation selector switch
- 2 Handle
- 3 Trigger
- 4 Battery pack release button
- 5 Belt hook *
- 6 Battery pack *
- 7 Capacity indicator button *
- 8 Capacity and signal indicator *
- 9 Setting wheel (select operating mode)
- 10 LED light
- 11 Depth stop
- 12 Screwdriver bit*
- 13 Bit holder
- 14 Spindle
- 15 Closure sleeve
- 16 Stop sleeve
- 17 Setting sleeve
- 18 Union sleeve

* depending on the model / features

6. Initial Operation

6.1 Battery pack

Charge the battery pack (6) before use.

Recharge the battery pack if performance diminishes.

Instructions on charging the battery pack can be found in the operating instructions of the Metabo charger.

In case of Li-Ion battery packs with capacity and signal display (8) (equipment-specific):

- Press the button (7); the LEDs indicate the charge (8) level.
- The battery pack is almost empty and must be recharged if one LED is flashing.

Removing and inserting the battery pack

Removal: press the battery pack release button (4) and pull the battery pack (6) forwards.


To insert: Slide the battery pack (6) in until it engages.

6.2 Installation of belt hook

The belt hook (5) may be screwed into place on the left or the right (see illustration, page 2).

7. Use

7.1 Setting the direction of rotation, engaging the transporting safety device (switch-on lock)

 Only activate the rotation selector switch (1) when the motor has completely stopped.

See page 2:

R = Clockwise setting

L = Anti-clockwise setting

0 = Centre position: with the transporting safety device engaged (switch-on lock)

7.2 Selection operating mode, switch on / off

Set the required operating mode on the setting wheel (9).

Note: When the motor is running, the spindle does not start until the spindle is pushed in.



Manual mode

Switch on: press the trigger switch (3). Press in the trigger to increase the rotational speed.

To switch off release the trigger switch.



Automatic mode

The tool starts automatically when the spindle is pushed in. This facilitates convenient work. In order to enable automatic mode, briefly press the trigger switch (3).

Note: The tool switches to sleep mode after 15 minutes without use. To activate again: press the trigger switch (3) briefly.



Warning. Risk of injury from inadvertent automatic machine start-up. In automatic mode, do not touch any rotating parts such as spindle, screwdriver bit or bit holder.



Impulse mode

Protruding screws can be precisely countersunk using this function. Press trigger switch (3) and countersink the screw with the attached depth stop. To switch off release the trigger switch.

7.3 Changing screwdriver bit



Prevent inadvertent starting: Set manual mode and remove battery pack from the tool before performing any retooling.

Inserting and removing the screwdriver bit:

See page 2, fig. 1.

- Remove the depth stop (11).
- **Insert:** Insert the screwdriver bit (12) in the bit holder (13).
- **Remove:** Pull the screwdriver bit (12) from the bit holder (13) using pliers.
- Attach the depth stop (11) again: turn and engage in position when mounted.

Note: The bit holder (13) may be removed from the spindle if the sleeve (15) is pulled back.

7.4 Working with depth stop

See page 2, fig. 2.

The depth of screw can be set by turning the setting sleeve (17). On rotation of the knurled screw corresponds to a drill depth of around 1.5 mm.

Adjust the setting sleeve (17) so that the screw head is approx. 2 mm outside the stop sleeve (16) when applying the screw.

Insert a screw as a test. Correct the screw depth if necessary.



When screwing in crosshead screws, press the machine with the screwdriver bit (12) firmly against the screw until the screw is fully inserted; otherwise the screwdriver bit could slip out of the cross recess and damage the material.

8. Troubleshooting

8.1 Clean stiff depth stop

If the depth setting is stiff, the depth stop can be dismantled without using tools. To do this, turn the setting sleeve (17) clockwise until it becomes loose from the union sleeve (18). Twist out the stop sleeve (17) and clean thread.

Note: Only clean or vacuum mechanically. Do not use oils or greases.

8.2 The machine's multifunctional monitoring system



If the machine switches off automatically, the machine electronics have activated automatic protection mode.



In spite of this protective function, overloading is still possible with certain applications and can result in damage to the machine.

Causes and remedies:

1. **Battery pack almost empty** (the electronics prevent the battery pack from discharging

totally and avoid irreparable damage).

If one LED (8) is flashing, the battery pack is almost empty. If necessary, press the button (7) and check the LED lamps (8) to see the charge level. If the battery pack is almost empty, it must be recharged.

2. Long continuous overloading of the machine will activate the **temperature cut-out**. Leave the machine or battery pack to cool.

Note: If the battery pack feels very warm, the pack will cool more quickly in your "AIR COOLED" charger.

Note: The machine will cool more quickly if you operate it at idling speed.

3. If the **current is too high** (for example, if the machine seizes continuously for long periods), the machine switches off. Switch off the machine at the trigger switch (3). Then continue working as normal. Try to prevent the machine from seizing.

9. Maintenance

Before carrying out any maintenance: remove the battery pack from the machine.

Regularly remove and clean the depth stop (11). See also chapter 8.1

Particles may become deposited inside the power tool during operation. This impairs the cooling of the power tool.

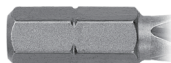
The power tool should be cleaned regularly, often and thoroughly through all front and rear air vents using a vacuum cleaner. Prior to this operation, separate the power tool from the power source and wear protective goggles and a dust mask.

10. Accessories

Use only original Metabo or CAS (Cordless Alliance System) battery packs and accessories.

Use only accessories that fulfil the requirements and specifications listed in these operating instructions.

- A Magazine screw attachment 630611000
- B Screwdriver bits (length: 25 mm):
Recommendation: only use screwdriver bits with plug-in ends of this type:



- C Chargers: ASC 55, SC 30, ASC 145, etc.
- D Battery packs 18 Volt: 5.5 Ah (625368000); 4.0 Ah (625367000); 2.0 Ah (625596000)

For a complete range of accessories, see www.metabo.com or the catalogue.

11. Repairs



Repairs to electrical tools must **ONLY** be carried out by qualified electricians!

Contact your local Metabo representative if you have Metabo power tools requiring repairs. For addresses see www.metabo.com.

You can download a list of spare parts from www.metabo.com.

12. Environmental Protection

Observe national regulations on environmentally compatible disposal and on the recycling of disused machines, packaging and accessories.

Battery packs may not be disposed of with regular waste. Return faulty or used battery packs to your Metabo dealer!

Do not allow battery packs to come into contact with water!



Only for EU countries: never dispose of power tools in your household waste! According to European Directive 2012/19/EU on Waste from Electric and Electronic Equipment and implementation in national law, used power tools must be collected separately and recycled in an environmentally-friendly manner. Discharge the battery pack in the power tool before disposal. Prevent the contacts from short-circuiting (e.g. by protecting them with adhesive tape).

13. Technical Specifications

Explanatory notes on the specifications on page 3. Subject to change in accordance with technical progress.

U = Battery pack voltage

n_0 = Idle speed

T_{max} = Max. tightening torque

H = Machine toolholder

m = Weight with smallest battery pack

Measured values determined in conformity with EN 62841.

Permitted ambient temperature during operation: -20 °C to 50 °C (limited performance with temperatures below 0 °C). Permitted ambient temperature for storage: 0 °C to 30 °C

=== direct current

The technical specifications quoted are subject to tolerances (in compliance with relevant valid standards).



Emission values

These values make it possible to assess the emissions from the power tool and to compare different power tools. The actual load may be higher or lower depending on operating conditions, the condition of the power tool or the accessories used. Please allow for breaks and periods when the load is lower for assessment purposes. Arrange protective measures for the user, such as organisational measures based on the adjusted estimates.

Vibration total value (vector sum of three directions) determined in accordance with EN 62841:

a_h = Vibration emission level (screwing without impact)

K_h = uncertainty (vibration)

Typical A-weighted sound levels:

L_{pA} = sound-pressure level

L_{WA} = Acoustic power level

K_{pA} , K_{WA} = Uncertainty

The noise level can exceed 80 dB(A) during operation.



Wear ear protectors!