

## NIV 18 LTX BL 1.6



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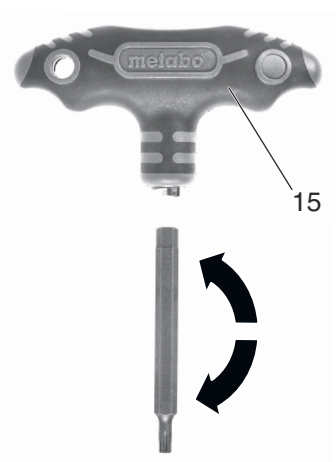
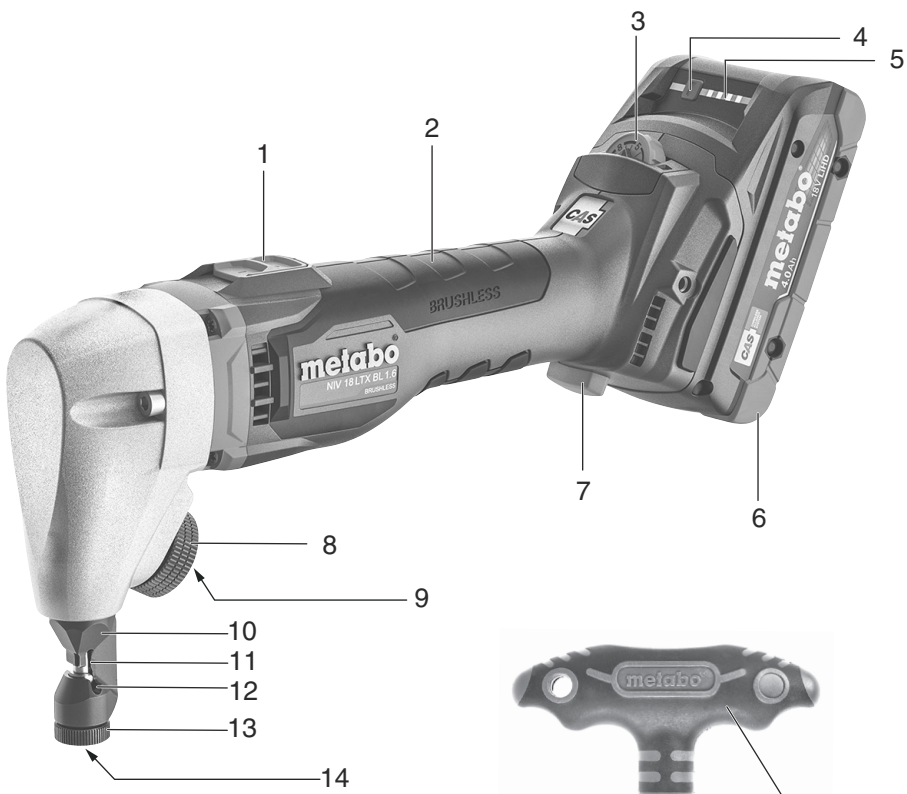
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		<b>NIV 18 LTX BL 1.6</b> *1) Serial Number: 01614	
<b>U</b>	<b>V</b>	18	
<b>B<sub>St</sub></b>	mm	400 N/mm <sup>2</sup> 600 N/mm <sup>2</sup> 800 N/mm <sup>2</sup>	1,6 1,2 0,7
<b>B<sub>Al</sub></b>	mm	250 N/mm <sup>2</sup>	2,0
<b>h<sub>0</sub></b>	min <sup>-1</sup> (spm)	660- 2360	
<b>h<sub>1</sub></b>	min <sup>-1</sup> (spm)	600 - 2170	
<b>r<sub>min</sub></b>	mm (in)	40 (1 <sup>9</sup> / <sub>16</sub> "	
<b>m</b>	kg (lbs)	1,19 (2.61)	
<b>a<sub>h</sub>/K<sub>h</sub></b>	m/s <sup>2</sup>	8 / 1,5	
<b>L<sub>pA</sub>/K<sub>pA</sub></b>	dB(A)	96 / 13	
<b>L<sub>WA</sub>/K<sub>WA</sub></b>	dB(A)	107 / 3	


 \*2) 2014/30/EU,2006/42/EC, 2011/65/EU  
 \*3) EN 62841-1:2015,EN 62841-2-8:2016, EN IEC 63000:2018

*ppa. B.F.*

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 Direktor Produktentstehung & Qualität (Vice President Product Engineering & Quality)  
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# Original instructions

## 1. Conformity Declaration

We, being solely responsible, hereby declare that this cordless nibbler, identified by type and serial number \*1), meets all relevant requirements of directives \*2) and standards \*3). Technical documentation at \*4).

### For UK only:

**UK** We as manufacturer and authorized person to  
**CA** compile the technical file, see \*4) on page 3, hereby declare under sole responsibility that these cordless nibbler, identified by type and serial number \*1) on page 3, fulfill all relevant provisions of following UK Regulations S.I. 2016/1091, S.I. 2008/1597, S.I. 2012/3032 and Designated Standards EN 62841-1:2015, EN 62841-2-8:2016, EN IEC 63000:2018.

## 2. Specified Use

The machine is designed for cutting, separating and trimming sheet material and cuttable plastics. Is is suitable for straight cutting, cut-outs and tight corners.

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.

Any other use is considered to be not as specified and not allowed. The manufacturer assumes no liability for any damage caused by unspecified use.

Modification of the machine or use of parts not approved by the manufacturer can cause unforeseeable damage!

## 3. General Safety Instructions



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



**WARNING** – Reading the operating instructions will 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.

**Save all warnings and instructions for future reference.** Pass on your electrical tool only together with these documents.

## 4. Special Safety Instructions

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

Before fitting the battery pack, make sure that the machine is switched off.



Protect battery packs from water and moisture!



Do not expose battery packs to naked flame!

Do not use faulty or deformed battery packs!

Do not open battery packs!

Do not touch or short-circuit battery packs!



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.

Remove chips and similar material only when the machine is at a standstill.

Shavings are sharp and may cause injuries.

Secure the workpiece to prevent slipping or rotation (e.g. by securing with screw clamps).

Always wear protective goggles, gloves, and sturdy shoes when working with this tool.

Keep hands away from the cutting area.

Always switch on the machine before offering up to the workpiece.

### Transport of li-ion battery packs:

The shipping of li-ion battery pack 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).

If the machine is defective, remove the battery pack from the machine.

## 5. Overview

See page 2.

- 1 Slide switch
- 2 Handle
- 3 Thumbwheel for setting the stroke rate
- 4 Button for capacity and signal indicator
- 5 Capacity and signal indicator
- 6 Battery pack\*
- 7 Battery pack release button
- 8 Knurl for tool clamping
- 9 Torx profile
- 10 Die holder
- 11 Punch

- 12 Die
- 13 Hollow nut for die
- 14 Allen profile
- 15 Tool for loosening and clamping of knurl and hollow nut
- 16 Chip collection bag

\* not in scope of delivery

## 6. Initial Operation

### Battery pack

Charge the battery pack before use (6).

If performance diminishes, recharge the battery pack.

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

"Li-Power" li-ion battery packs have a capacity and signal indicator: (5)

- Press the button (4), the LEDs indicate the charge level.
- If one LED is flashing, the battery pack is almost flat and must be recharged.

### Removing and inserting the battery pack

#### Removing the battery pack

Press the battery pack release (7) button and remove the battery pack (6).

#### To fit


Slide in the battery back (6) until it engages .

### Chip collection bag (16)

To attach, place the chip collection bag on the hollow nut and press until it snaps into place (see P.2)

## 7. Use

### Note:

 To improve the cutting result and increase the tool life of the punch (11), before machining the workpiece apply a lubricant on the cutting line:

- for cuts in sheet steel: cutting paste or cutting oil
- for cuts in aluminium: petroleum

Hold the power tool as perpendicular as possible to the workpiece surface when cutting and do not jam it. Uniformly guide the power tool in direction of cutting while pushing it slightly. Excessive feed significantly reduces the tool life of the accessories and can damage the tool. Do not cut sheet steel at welded points. Do not cut sheets of several layers, which exceed the maximum workpiece thickness.

Approach the workpiece with the machine only when the full speed has been reached.

1st Machine the material with the desired cutting line

2. If the cutting track ends in the sheet, pull back the running machine some millimetres in direction of the already cut track.

3. Switch off the machine

### 7.1 Switching on and off


#### Switching on:


Push the sliding switch (1) forwards until it latches into position.

#### Switching off:

Push the sliding switch (1) forwards until it latches into position.

### 7.2 Cutting operation

 Always switch on the machine before offering up to the workpiece.

 Pay attention when handling the cutting chips. The chips have sharp edges that can injure you.

The punch (11) leaves behind a groove in the material about 5 mm wide.

### 7.3 Changing the cutting direction

If necessary, the cutting direction can be rotated to the right or left in 8 snap-in positions (all 45°).

1. Remove battery pack (6)
2. Loosen knurl (8) for tool clamping
3. Pull out the die holder (10) by about 3 mm and turn into the desired direction
4. Retighten the knurl.

### 7.4 Perform inside cut-outs

Perform a pilot drilling with a diameter of at least 15 mm.

## 8. Maintenance

### 8.1 Replacing the punch (11)

The sign for worn punches (11) and dies (12) is a significantly increased necessary feed force with slower work progress. Punch and die cannot be re-sharpened.

When assembling, it is best to hold the machine horizontally.

- 1st Remove battery pack
2. Loosen knurl (8) by at least 3 turns.

#### Jammed knurl

- Use the (15) tool
- 3. Pull the die holder (10) out of the housing
- 4. Remove punch (11).
- 5. Grease the new punch and die holder with "G1" grease.
- 6. Position the punch in the groove of the punch recess
- 7. Insert the die holder into the housing
- 8. Tighten the knurl by hand

### 8.2 Replacing the die (12)

When assembling, it is best to hold the machine horizontally.

1st Loosen the hollow nut (13) with Allen profile (14).

#### Jammed hollow nut (13)

- Use Allen key (15)
- 2. Remove die and insert new die
- 3. Tighten hollow nut with 3 Nm

### 8.3 Replace the die holder

When assembling, it is best to hold the machine horizontally.

- 1st Loosen knurl by at least 3 turns.
- 2. Pull out the die holder (10)
- 3. Insert a new die holder into the housing
- 4. Tighten the knurl (8)

## 9. Cleaning

Regularly empty the chip collection bag (16): Push the bag off the hollow nut, open and empty chips in suitable container To attach, place the chip collection bag on the hollow nut and press until it snaps into place (see P.2)

## 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.

Battery packs with different capacities:


Best.-Nr.: ..... 625596000 2,0 Ah (LiHD)  
 Best.-Nr.: ..... 625367000 4,0 Ah (LiHD)  
 etc.

Chargers:

Best.-Nr.: 627044000 ASC 55  
 Best.-Nr.: 627378000 ASC 145  
 etc.

For a complete range of accessories, see [www.metabo.com](http://www.metabo.com) or the main catalogue.

## 11. Repairs

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

If you have Metabo electrical tools that require repairs, please contact your Metabo service centre. For addresses see [www.metabo.com](http://www.metabo.com).

You can download spare parts lists from [www.metabo.com](http://www.metabo.com).

## 12. Environmental Protection

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



Only for EU countries: Never dispose of power tools in your household waste! In accordance with European Guideline 2012/19/EU on used electronic and electric equipment and its implementation in national legal systems, used power tools must be collected separately and handed in for environmentally compatible recycling.

## 13. Technical Specifications

Explanatory notes on the specifications on page 3. Changes due to technological progress reserved.

- U = Voltage of battery pack
- B<sub>St</sub> = Maximum sheet thickness (sheet steel)
- B<sub>Al</sub> = Maximum sheet thickness (aluminium)
- h<sub>0</sub> = Stroke rate at idle speed
- h<sub>1</sub> = Stroke rate at rated load
- r<sub>min</sub> = Smallest curve radius
- m = Weight without mains cable

Measured values determined in conformity with EN 62841.

Permitted ambient temperature during operation: -20 °C (-4°F) to 50 °C (120°F) (limited performance with temperatures below 0 °C (32°F)). Permitted ambient temperature for storage: 0 °C (32°F) to 30 °C (86°F).

--- Direct current (cordless machines)

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



### Emission values

These values make it possible to assess the emissions from the power tool and to compare different power tools. Depending on the operating conditions, the condition of the power tool or the accessories, the actual load may be higher or lower. For assessment purposes, please allow for breaks and periods when the load is lower. Based on the adjusted estimates, arrange protective measures for the user e.g. organisational measures.

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

a<sub>h</sub> = Typical estimated acceleration in the hand/arm area (cutting sheet metal)

K<sub>h</sub> = Uncertainty (vibration)

Typical A-effective perceived sound levels:

L<sub>pA</sub> = Sound pressure level

L<sub>WA</sub> = Acoustic power level

K<sub>pA</sub>, K<sub>WA</sub> = Uncertainty

During operation the noise level can exceed 80 dB(A).



### Wear ear protectors!