



LS 60-L Battery powered hydraulic punching tool



- ▶ High flexibility using rotating head
- ▶ Automatic stop makes the punching tools last longer
- ▶ Lithium-ion technology allows long operating times and short recharging times

Characteristics

- Electronic control and monitoring of operation
- Simple and safe: One-button operating concept for controlling all tool functions
- Comfortable and secure one-hand operation thanks to 2-component plastic housing with soft grips
- Balanced centre of gravity for easy handling and effortless operations
- LED for work area illumination
- Powerful 18 V Li-Ion battery - high capacity, short charging time
- Energy saving function with motor cut-out after successful operation
- Manual retract as required
- Multifunction LED for maintenance display and charge status display of the battery
- Environmentally-friendly hydraulic oil, quickly biodegradable

Suitable for

- A punch size from 104.8 x 104.8 mm
- Round punch up to 95.3 mm

Technical data	
Punching force	60 kN
Weight	4.0 kg
Battery capacity	RAL2 / BL1830: 3 Ah
Charging time	RAL2 / BL1830: 22 min.
Punching time	5 s at 22.5 mm dia., 3 mm mild steel 12 s at 61.5 mm dia., 3 mm mild steel
Ambient temperature	-15 °C up to +40 °C
Head outside diameter	73 mm
Dimensions	325 x 285 x 80 mm
Punching capacity	90 punches/battery at 22.5 mm dia. and 3.5 mm mild steel 170 punches/battery at 2.,5 mm dia. and 3.5 mm mild steel 250 punches/battery at 22.5 mm dia. and 2.5 mm mild steel

Item	Part No.	
LS 60-L Battery powered hydraulic punching tool	LS60L	
Scope of supply	Part No.	Page
Draw stud for punch with hydraulic operation 9.5 x 71 mm	51300430	
Draw stud for hydraulic operation 19.0 x 105 mm	50318721	426
Spacer, short	50032488	
Adapter 19.0 x 48 mm with internal thread 9.5 mm	50339672	426
HSS Co5 step bit	52049371	
KKLS60LGL Plastic case	KKLS60LGL	
Makita quick-charger for 18 V Li-Ion battery	LGL1	494
Makita battery 18 V / 3.0 Ah, Li-Ion (54 Wh)	RAL2	491
Accessories	Part No.	Page
18 V mains adapter for 230 V Voltage	NG2230	376

LS 50 FLEX battery powered hydraulic punching tool

**NEXT
GENERATION**



- ▶ High flexibility using 360° rotating head
- ▶ An integrated pressure sensor increases the service life of the hole punch
- ▶ Automatic stop makes the punching tools last longer

Characteristics

- Choose your battery system: Bosch or Makita
- All data can be easily read via Bluetooth
- Balanced centre of gravity for easy handling and effortless operations
- LED for work area illumination
- Energy saving function with motor cut-out after successful operation
- Manual retract as required
- Always ready-to-use thanks to battery charge and service display

Suitable for

- A punch size from 104.8 x 104.8 mm
- Round punch up to 144.1 mm
- Square punch up to 138 x 138 mm



Technical data	
Punching force	60 kN
Weight	2.1 kg
Charging time	15 min.
Punching time	5 s at 22.5 mm dia., 3 mm mild steel 6 s at 63.5 mm dia., 3 mm mild steel
Ambient temperature	-15 °C up to +40 °C
Dimensions	340 x 115 x 80 mm
Punching capacity	120 punch operations at 22.5 mm dia., 3.4 mm mild steel 190 punch operations at 22.5 mm dia., 3 mm mild steel 280 punch operations at 22.5 mm dia., 2.5 mm mild steel

Item	Part No. Bosch	Part No. Makita	
LS 50 FLEX battery powered hydraulic punching tool	LS50FLEXCFB	LS50FLEXCFM	
Lieferumfang			Page
Bosch battery 18 V / 2.0 Ah, Li-Ion	RALB1EU		492
Bosch quick-charger for 18 V Li-Ion battery	LGLB1EU		494
Makita battery 18 V / 1.5 Ah, Li-Ion		RAL1	491
Makita quick-charger for 18 V Li-Ion battery		LGL1	494
Draw stud for hydraulic operation 19.0 x 105 mm	50318721	50318721	426
Spacer 22 mm, short	50032488	50032488	
HSS Co5 step bit	52049371	52049371	
Adapter 19.0 x 48 mm with internal thread 9.5 mm	50339672	50339672	426
Draw stud for punch with hydraulic operation 9.5 x 71 mm	51300430	51300430	
Plastic case	KK50LFLEX	KK50LFLEX	
Accessories			Page
Bosch battery 18 V / 5.0 Ah, Li-Ion	RALB2EU		495
Makita battery 18 V / 3.0 Ah, Li-Ion (54 Wh)		RAL2	491
Variants			Page
L-BOXX with flexible battery powered hydraulic punch LS50FLEXCFB	LBOXXLS50FLEXCFB		205
L-BOXX with flexible battery powered hydraulic punch LS50FLEXCFM		LBOXXLS50FLEXCFM	205