



mafell
creating excellence

Cordless
Drill Driver
Impact Drill Driver
A12 | A18 | ASB18

The MAFELL ErgoBalance principle: focusing on the user.

MORE CONTROL

Visual level indicators

Two spirit levels clearly indicate the 90° angle when driving screws and drilling – horizontally and vertically (A 18 and ASB 18).



Pressure-sensitive trigger

The trigger allows fine adjustment for intricate work.



Ergonomic switch location

No matter what the working position, the forward/reverse switch is always within easy reach. And all the controls offer a convenient pressure point.



BETTER BALANCE

Handle shape

By sitting comfortably in the hand and offering generous contact for all the fingers, the oval handle fosters relaxed and fatigue-free operation.



Perfect center of gravity

All the drill drivers have an ideal center of gravity for fatigue-free working – irrespective of the selected attachment or power pack.



MAFELL ErgoBalance design makes all the difference when working long days or reaching above head height. It enhances not only accuracy, but also ease of use and control, and thus effectively helps to prevent fatigue, pain and cramps.

Our latest generation of cordless drill drivers offers everything you need for long working days on site or in the workshop. Our designers focused their attention on ergonomics and ease of use. They have provided numerous high-quality soft surfaces to ensure a good grip and reduce fatigue no matter how the tool is being held. Owing to precise analysis of the center of gravity, the new cordless drill drivers A 12, A 18 and ASB 18 are also perfectly balanced. All thanks to the MAFELL ErgoBalance principle.



ENHANCED SAFETY



Comfortable soft grip

Maximized use of soft components delivers outstanding grip and safety without burdening the user.



LED work lamp – no shadow

Bright LED lamps with an afterglow effect illuminate a large working area. The LEDs are positioned to avoid the nuisance of shadows (pictured here: A 18).



Superior workmanship

The exceptional build quality is exemplified by neat joints, smooth edges and the gently curved shape of the housing and all controls.

Cordless drill driver A 12: ergonomic design coupled with extreme power.

HIGHLY RESPONSIVE

The trigger allows fine adjustment for intricate work.



MAGNETIC BIT HOLDERS

Thanks to magnetic bit holders, the desired bit is always to hand. Deep sockets avoid accidental losses.



Use of the best materials and first-rate workmanship make the cordless drill driver A 12 extremely rugged. Tipping the scales at around one kilo, including the battery, the tool is also very light. The brushless motors give this latest model even more power than its predecessor, as well as exceptional torque. Enhanced by soft surfaces, the feel of the A 12 and its perfect balance facilitate fatigue-free operation.

LED WORK LAMP

The bright LED lamp illuminates a large working area without casting an inconvenient shadow.



TORQUE SELECTION AND SPEED SWITCH

Maximum torque of 45 Nm makes the A 12 a highly capable all-rounder. The 20 torque settings are easy to select with the locking collar.



ERGOBALANCE PRINCIPLE

Focusing on the user, the A 12 offers more control, better balance and enhanced safety. See pages 2 and 3 for full details.



TOOL HOLDER

Bits and push-fit accessories are inserted directly in the 1/4" drive. The bit holder, chuck and angle head can be interchanged in a matter of seconds.

Cordless drill drivers A 18 and ASB 18: powerhouse meets all-rounder.

ERGO-BALANCE PRINCIPLE

Focusing on the user, the A 18 and ASB 18 offer more control, better balance and enhanced safety. See pages 2 and 3 for full details.



IMPULSE FUNCTION

In difficult situations the impulse mode delivers a critical boost, e.g. for releasing immovable screws or controlling the first few turns when drilling into smooth surfaces.



CLAMPING COLLAR

Thanks to the 43 mm (1 7/16 inch.) clamping collar, the cordless drill drivers are compatible with all MAFELL BST drilling stations.

IMPACT DRILL FUNCTION (ASB 18)

Powerful impact drill functionality delivers excellent results when drilling holes in masonry.



EFFORTLESS DRILLING OF LARGE HOLES

With more power than before, the 18 V machines make light work of drilling even 68 mm (2 11/16 inch.) holes in wood.



To overcome the toughest challenges, we have given the new-generation A 18 and ASB 18 an especially rugged specification and extra power. Its impact drill function makes the ASB 18 a genuine all-rounder. By applying the MAFELL ErgoBalance design principle, we have also prioritized ease of use and fatigue-free operation.

SAFETY

The electronic anti-kickback function provides extra safety by actively shutting down the motor and protecting the wrist against sudden twisting.



ALWAYS TOP PERFORMANCE

The 18 V drill drivers offer supreme power. For extreme applications, they can deliver three times the regular torque in combination with the torque setting adapter A-DMV x3.



TOOL HOLDER

Bits and push-fit accessories are inserted directly in the 1/4" drive. The bit holder, chuck and angle head can be interchanged in a matter of seconds.

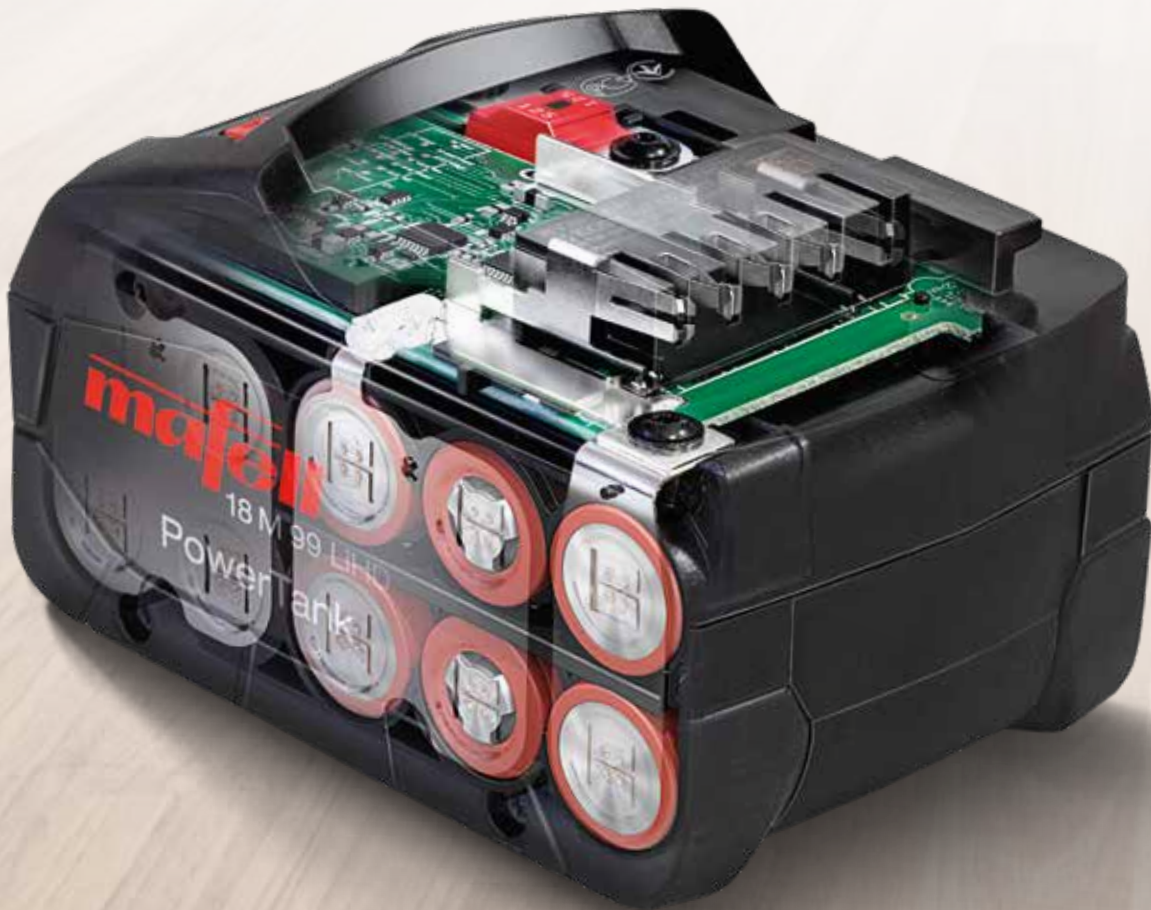
BIT HOLDERS

With magnetic bit holders on both sides of the battery holder, the desired bit is always to hand. Thanks to the deep sockets, accidental losses are practically ruled out.

Battery technology: delivering even greater stamina.

ENHANCED PERFORMANCE

- New LiHD cell technology+ in a re-engineered power pack.
- High-current busbars and enlarged contacts.
- Special copper alloy cell connectors for 3x enhanced conductivity.



LONGER SERVICE LIFE, EXTREMELY RUGGED

- Outstanding protection against internal contamination provided by full encapsulation, varnished circuit boards and the well sealed cover.
- Cells protected by rubber buffers.
- More usable energy results in less frequent charging.
- Rubberized battery pack offers non-slip stability and impact protection.

LONGER RUNTIME

- More active material in the cells, use of high-grade materials (silver and copper).

The upgraded PowerTanks for our cordless tools feature advanced processor-controlled battery technology. A key advantage lies in continuous monitoring of all the relevant parameters of the individual battery cells, including temperature and charge. The floating battery cells are also ideally protected against mechanical influences. This ensures a prolonged long service and fewer downtimes.

CAS. MAKING EVERYTHING EASY.



Technical data and accessories.



A12

Handy 12 V model, ideal for internal finishing work.

A18

High-performance 18 V model for professional continuous duty.

ASB 18

High-performance 18 V model with additional impact drill mode.

Technical data

Clamping collar diameter	–	43 mm (1 11/16 inch)	43 mm (1 11/16 inch)
Chuck opening	10 mm (3/8 inch)	13 mm (1/2 inch)	13 mm (1/2 inch)
Max. drilling diameter in wood/steel	25/10 mm (1 inch 3/8 inch)	68/13 mm (2 11/16 inch 1/2 inch)	68/13 mm (2 11/16 inch 1/2 inch)
Torque [soft/hard]	18/45 Nm	65/130 Nm	65/130 Nm
Impulse torque [soft]	–	65 Nm	65 Nm
Nominal speed-no load 1st setting	0–510 rpm	0–560 rpm	0–560 rpm
Nominal speed-no load 2nd setting	0–1.710 rpm	0–1.960 rpm	0–1.960 rpm
Weight [incl. battery]	1,0 kg (2.2 lbs.)	1,8 kg (4.0 lbs) (incl. PowerTank 18 M 72 LiHD)	1,9 kg (4.2 lbs) (incl. PowerTank 18 M 72 LiHD)
Dimensions (H x L x W)	195 x 110 x 79 mm (7 11/16 x 4 5/16 x 3 1/8 inch)	201 x 145 x 79 mm (7 15/16 x 5 11/16 x 3 1/8 inch)	201 x 163 x 79 mm (7 15/16 x 6 7/16 x 3 1/8 inch)
Voltage rating	12 V	18 V	18 V
Impact rate	–	–	38.000 bpm
Torque settings	20 + 1	10 + 1	10 + 1
Vibration measured in metal/reinforced concrete	<2,5 m/s / – (<8.2 ft/s / –)	<2,5 m/s / – (<8.2 ft/s / –)	<2,5 m/s / 15,5 m/s (<8.2 ft/s / 50.9 ft/s)
Noise level	72 dB(A)	72 dB(A)	92 dB(A)
Sound power level (LwA)	83 dB(A)	88 dB(A)	103 dB(A)

Ref. No.

**91D001 |
A12 in T-MAX**

**91C802 |
A18 PURE in T-MAX**

**91C902 |
ASB 18 PURE in T-MAX**

**91C801 |
A18 in T-MAX**

**91C901 |
ASB 18 in T-MAX**

Delivery scope includes



1 cordless drill driver A 12

1 quick-release chuck A SBF 10
1 quick-release angle head A-SWV 10
2 battery PowerTank 12 M 43 LiHD
1 battery PowerStation APS M
1 belt clip



1 cordless drill driver A 18

1 quick-release chuck A SBF 13
1 quick-release bit holder A-SBH
1 belt clip
1 auxiliary handle

A18 in T-MAX:

1 battery PowerTank 18 M 72 LiHD
1 battery PowerTank 18 M 99 LiHD
1 battery PowerStation APS M



1 cordless impact drill driver ASB 18

1 quick-release chuck A SBF 13
1 quick-release bit holder A-SBH
1 belt clip
1 auxiliary handle

ASB 18 in T-MAX:

1 battery PowerTank 18 M 72 LiHD
1 battery PowerTank 18 M 99 LiHD
1 battery PowerStation APS M



Torque setting adapter

A-DMV x3
3:1 ratio

094450

The torque setting adapter triples the available torque, compatible with A 18 and ASB 18



Quick-release bit holder

A-SBH

206766



Quick-release chuck

A-SBF 10
10 mm (0 3/8 inch)
compatible with A 12

209338

A-SBF 13
13 mm (0 1/2 inch)
compatible with A 18 and ASB 18

206772



Quick-release angle head

A-SWV 10
up to 100 Nm
compatible with A 12

206773

A-WV 18
compatible with A 18 and ASB 18

094459



Quick-release eccentric chuck attachment

A-SEV
compatible with A 12

209339



Drilling station

Drilling station 320
Drilling station 460
Drilling station 460 S
Drilling station 650 S

961210
961211
961215
961216



Charger Battery PowerStation

APS M

094492



High-speed charger Battery PowerStation

APS M+

094509



A12

Battery-PowerTank

12 M 43 LiHD
Li-Ion, 12 V, 43 Wh

094508



A18 und ASB18

Battery-PowerTank

18 M 72 LiHD
Li-Ion, 18 V, 72 Wh

094500

18 M 99 LiHD
Li-Ion, 18 V, 99 Wh

094503

18 M 144 LiHD
Li-Ion, 18 V, 144 Wh

094498



Battery-PowerTank

18 M 72 LiHDX
Li-Ion, 18 V, 72 Wh

094523

18 M 144 LiHDX
Li-Ion, 18 V, 144 Wh

094520

In order to develop a better tool for carpenters, we at MAFELL often take a special approach: We change our point of view and completely reconceive the tool in essential parts. At the same time, we always keep in mind the future requirements of the woodworking trade.

From this way of thinking, paired with an outstanding material and processing quality, amazing solutions emerge again and again. For example, in terms of functionality and ease of use. It is our claim that you no longer have to think about your tools when doing your work. Simply because we at MAFELL have already done so extensively. After all, we have a common goal: the perfect job. Or in brief:

creating excellence

Your MAFELL authorized dealer:



MAFELL AG · Beffendorfer Straße 4 · 78727 Oberndorf · Germany
Telefon +49 7423 812-114 · E-Mail export@mafell.de · www.mafell.com