



**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

<b>Clamping collar diameter</b>	–	43 mm (1 11/16 inch)	43 mm (1 11/16 inch)
<b>Chuck opening</b>	10 mm (3/8 inch)	13 mm (1/2 inch)	13 mm (1/2 inch)
<b>Max. drilling diameter</b> 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)
<b>Torque</b> [soft/hard]	18/45 Nm	65/130 Nm	65/130 Nm
<b>Impulse torque</b> [soft]	–	65 Nm	65 Nm
<b>Nominal speed-no load</b> 1st setting	0–510 rpm	0–560 rpm	0–560 rpm
<b>Nominal speed-no load</b> 2nd setting	0–1.710 rpm	0–1.960 rpm	0–1.960 rpm
<b>Weight</b> [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)
<b>Dimensions (H x L x W)</b>	195 x 110 x 79 mm (7 11/16 x 4 3/16 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)
<b>Voltage rating</b>	12 V	18 V	18 V
<b>Impact rate</b>	–	–	38.000 bpm
<b>Torque settings</b>	20 + 1	10 + 1	10 + 1
<b>Vibration</b> 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)
<b>Noise level</b>	72 dB(A)	72 dB(A)	92 dB(A)
<b>Sound power level (LwA)</b>	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 A12

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 A18

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 ASB 18**

### 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**



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

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