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Cordless
Drill Driver A 12 | A 18
Impact Drill Driver ASB 18
Impact Driver SR 800-18

The cordless impact driver SR 800-18: perfectly balanced high power.

WITH AUTOMATIC SPEED CONTROL (ASC)

Alongside the ASC setting, six different speed settings (1-6) are available.

ASC controls two types of operation:

Tightening

ASC prevents over-tightening of the screw or nut by deactivating automatically.

Releasing

Once the fastening has been released, the speed is automatically reduced to avoid accidental loss of the screw or nut.



ERGOBALANCE PRINCIPLE

Focusing on the user: The SR 800-18 offers more control, better balance and enhanced safety. Coinciding exactly with the center of the handle, the center of gravity facilitates effortless working. See pages 8 and 9 for full details.



EFFORTLESS DRIVING OF PARTIALLY AND FULLY THREADED SCREWS IN WOOD

The sheer power of the SR 800-18 makes light of fastening timber construction screws.



DRIVING IN CONCRETE

The SR 800-18 is ideal for fastening self-tapping concrete screws in pre-drilled holes and for installing expansion anchors.



Thanks to an ideal center of gravity in the handle, the high-performance impact driver SR 800-18 easily overcomes even tricky screw fastening challenges in wood and concrete. With ample power and automatic speed control, it operates efficiently while avoiding material wear.



LED WORK LAMP

Two bright LED lamps illuminate a large working area without casting an inconvenient shadow.



BELT CLIP

The belt hook can be attached to the left or right side of the impact driver.

FASTENINGS FOR SOLID WOOD AND METAL-TO-WOOD JOINTS

The impact driver facilitates the powerful and quick fastening of large hexagon timber screws, so that even solid wood and metal-to-wood joints can be produced efficiently and with very little effort.



RELIABLE FASTENING OF METRIC SCREWS

Its mighty torque enables the impact driver to fasten metric screws up to size M27 reliably and efficiently.



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 8 and 9 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 head 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.

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 8 and 9 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.

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 resting comfortably in the hand and offering generous contact for all the fingers, the oval handle fosters labor-saving and low-fatigue operation.



Perfect center of gravity

All the drivers have an ideal center of gravity for low-fatigue 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. Fatigue, pain and cramps are thus effectively reduced.

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 in particular. 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 cordless drill drivers A 12, A 18 and ASB 18, as well as the impact driver SR 800-18 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.

Battery technology: delivering even greater stamina.

NEW

LiHD

LiHD batteries set new standards in the combination of high performance, long lifetime and versatility. The high-performance cells of the LiHD batteries offer maximum power for every application.

LiHDX

With the new tabless technology, the current is no longer transmitted via individual points, but via a full-surface connection of anode and cathode. This results in lower internal resistance and less heating of the cells for

- Even better performance
- Even longer running times and enhanced lifetime



ENHANCED PERFORMANCE

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

ENHANCED LIFETIME, 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.



The battery packs are fully compatible with MAFELL's other 18 Volt power tools. In fact, they also match all the tools in the Cordless Alliance System (CAS) – the multi-vendor battery system of the leading power tool brands. CAS encompasses a huge selection of powerful cordless tools for an enormous variety of applications. Users benefit from needing fewer battery types on-site – in ideal circumstances, just one.

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) <small>(incl. PowerTank 18 M 72 LiHD)</small> | 1,9 kg (4.2 lbs) <small>(incl. PowerTank 18 M 72 LiHD)</small> |
| Dimensions (H x L x W) | 195 x 110 x 79 mm <small>(7 11/16 x 4 3/16 x 3 1/8 inch)</small> | 201 x 145 x 79 mm <small>(7 15/16 x 5 11/16 x 3 1/8 inch)</small> | 201 x 163 x 79 mm <small>(7 15/16 x 6 7/16 x 3 1/8 inch)</small> |
| 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 MAX 3

91C802 |
A18 PURE in MAX 3

91C902 |
ASB 18 PURE in MAX 3

91C801 |
A18 in MAX 3

91C901 |
ASB 18 in MAX 3

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 MAX 3:
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 MAX 3:
1 battery PowerTank 18 M 72 LiHD
1 battery PowerTank 18 M 99 LiHD
1 battery PowerStation APS M



SR 800-18

Technical data

Powerful 18 V impact driver for demanding driving tasks.

| | |
|---------------------------------|------------------------|
| Clamping collar diameter | – |
| Chuck | 1/2" square |
| Metric screw size | max. M27 |
| Tightening torque | 800 Nm |
| Release torque | 1200 Nm |
| Nominal speed-no load | 0–2.575 rpm |
| Weight [incl. battery] | 6.6 lbs |
| Dimensions (H x L x W) | 7 x 3 1/8 x 8 11/16 in |
| Voltage rating | 18 V |
| Impact rate | 0 - 3.300 rpm |
| Torque settings | 6 + ASC |
| Vibration | 10,7 m/s ² |
| Noise level | 99 dB(A) |
| Sound power level (LwA) | 107 dB(A) |

Ref. No.










91F702 |
SR 800-18 PURE in MAX3

Delivery scope includes



1 belt clip

Accessories Matrix.

| | | | A 12 | A 18 | ASB 18 | SR 800-18 |
|---|--|--------------------------------------|------|------|--------|-----------|
|  | Torque head A-DMV x3 3:1 ratio | 094450 | | X | X | |
|  | Quick-release bit holder A-SBH | 206766 | X | X | X | |
|  | Quick-release angle head A-SWV10 up to 100 Nm | 206773 | X | | | |
|  | Quick-release angle head A-WV 18 | 094459 | | X | X | |
|  | Quick-release eccentric chuck attachment A-SEV | 209339 | X | | | |
|  | Quick-release chuck A-SBF 10 10 mm | 209338 | X | | | |
|  | Quick-release chuck A-SBF 13 13 mm | 206772 | | X | X | |
|  | Impact socket set SR-ES 1/2" 9T - Impact socket L SW 13, 15, 17, 19, 21, 24 mm - Impact socket M TX40, TX 50 - Impact extension bar 125 mm | 095294 | | | | X |
|  | Drilling station Drilling station 320 Drilling station 460 Drilling station 460 S Drilling station 650 S | 961210 961211 961215 961216 | | X | X | |

| | | | A 12 | A 18 | ASB 18 | SR 800-18 |
|---|--|--------|------|------|--------|-----------|
|  | Battery-PowerTank 12 M 43 LiHD Li-Ion, 12 V, 43 Wh | 094508 | X | | | |
|  | Battery-PowerTank 18 M 72 LiHD Li-Ion, 18 V, 72 Wh | 094500 | | | | |
| | 18 M 99 LiHD Li-Ion, 18 V, 99 Wh | 094503 | | X | X | X |
| | 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 | | X | X | X |
|  | High-speed charger Battery PowerStation APS M+ | 094509 | X | X | X | X |
|  | Charger Battery PowerStation APS M | 094492 | X | X | X | X |
|  | Power-Set 1 2x 18 M 72 LiHD + APS M | 209596 | | X | X | X |
|  | Power-Set 2 2x 18 M 99 LiHD + APS M | 209599 | | X | X | X |
|  | Power-Set 3 2x 18 M 144 LiHD + APS M+ | 209598 | | X | X | X |
|  | Power-Set 4 2x 18 M 144 LiHDX + APS M+ | 212615 | | X | X | X |
|  | Power-Set 4 4 x 18 M 99 LiHD + 2 x APS M+ in MAX3 | 209633 | | X | X | X |

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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