mafell
creating excellence

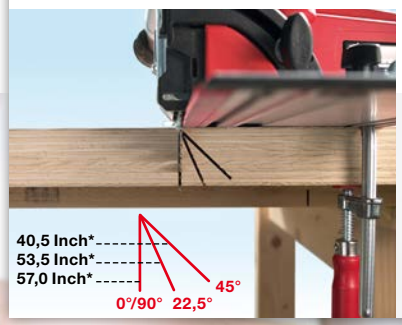



# Plunge-cut saws

## MT 55 | MT 55-18

# Precision meets minimal clearance: Plunge-cut saws MT 55 and MT 55-18.

## CUTTING DEPTHS UP TO 57 MM (2¼ INCH)




When the blade is set to 0°, it can cut to a depth of 57 mm* (2 ¼ inch). Thanks to the tilting system, the options afforded for bevel cuts are practically unlimited as well. When set to an angle of 45°, the saw can still cut to a depth of 40.5 mm* (1⅝ inch).

*without track

## CUTS TO WITHIN 8 MM OF THE EDGE



Thanks to the especially flat design of the the blade's protective cover, the MT 55 is capable of cutting to within 8 mm (shadow gap 10 mm) of the wall. It's th-erefore the perfect saw for narrow baseboards as well.

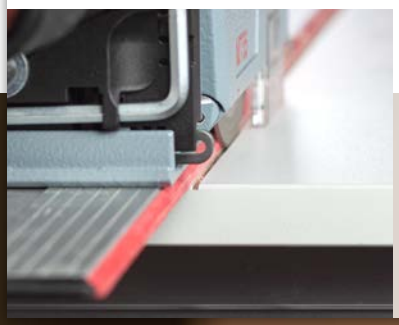
**Its design, capabilities and protective cover make the MT 55 a very special plunge-cut saw. Key to its pre-eminence is not a single feature, however, but the combination of all its components. The outcome is a user-friendly MAFELL plunge-cut saw that cuts close to the edge of the work – to within just 8 mm (shadow gap 10 mm) – with great precision.**

## MORE FLEXIBILITY



In combination with the F-type guide track, the MT 55 truly shows its strengths. The saw is easy to use on other track systems as well.

## SCORING FUNCTION



The scoring function is quickly activated in a single movement. It enables the MT 55 to cut visible edges as cleanly as a stationary saw.

## SUPREME PRECISION

Every detail is designed for maximum precision. Straight out of the box the supplied sawblade, with its teeth arranged in groups or clusters, ensures exact clean cutting – including in demanding materials. In conjunction with the scoring function for laminated boards, you are sure to produce supreme quality cuts.



# Built for better results: The 55-18 and MT 55.

**– 1° UNDERCUT**

For abutted boards in visible locations.

**It couldn‘t be simpler:**

1. Loose the locking screw. Operate the 0° stop and set the MT 55 to – 1°.
2. With this setting, machine the rear side of the two pieces that are to be joined.
3. The tear-free cut edges present a visibly tight joint.









**More information:**

https://mt55.mafell.de/en

**SCORING FUNCTION**

For through cuts that must be tear-free on both sides, e.g. when shortening doors.

**It couldn‘t be simpler:**

1. Set up the scoring function. The cutting depth is restricted to 3 mm.
2. Place the MT 55 on the guide track and make the scoring cut.
3. Deactivate the scoring function.
4. Make the parting cut. In this process, the saw blade is automatically offset by 0.1 mm from the scoring cut.





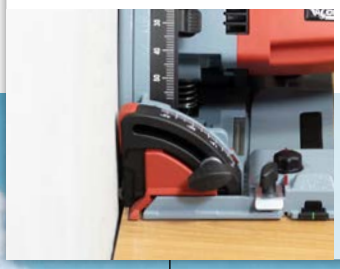

**Scoring cut**




**Parting cut**

**The MT 55 is a high-precision jack of all trades. It executes plunge, parting, bevel and angled cuts without any tearing. It can saw fiberboard, Multiplex, laminated and sandwich board, oriented strand board, gypsum wallboard, soft fiberboard, cement fiber panels and decorative laminates just as precisely as solid wood, Plexiglas, aluminum, including profiles, floor laminates and floor panels.**

## EDGE FINISHING > 8 MM



How to achieve exact outcomes even with narrow baseboards.

**It couldn't be simpler:**

1. Offer up the saw directly alongside the wall.
2. Set the cutting depth, make the cut and the job's done.

## PLUNGE CUT WITH POSITION INDICATOR




For cutting recesses in worktops for hobs and basins, and openings for air vents, including in Fermacell dry lining boards, and for many other applications.

**It couldn't be simpler:**

1. Set the cutting depth with the position indicator – you will be making the cut in the face side.
2. The red slides mark exactly the position at which the blade enters and leaves the surface of the work.

## ANGLED CUT WITH ANGLE FENCE





For right-angle cross-cuts, e.g. in baseboards and finishing strips.

**It couldn't be simpler:**

1. Set the desired angle with the scale.
2. Attach the angle fence to the guide track with the connecting piece.
3. Place the assembled unit on the workpiece.
4. Cut the workpiece at the exactly set angle.

# Always a cut above the rest. For quality and functionality.




## CHANGING BLADES



To experience the world's fastest blade change, simply press the release button and lift the lever. The guard opens to the maximum extent to give best possible access to the blade, so that it can be exchanged in a matter of seconds. When the blade guard is open, the starting lockout and sawblade lock are automatically engaged.

## DUST EXTRACTION

The MT 55 is compatible with all conventional vacuum units that have a 35 mm (1 ⅜ inch) hose connector. In addition, the enclosed sawblade and the slide alongside the cut keep the amount of dust generated to a minimum.

## FINE SETTING



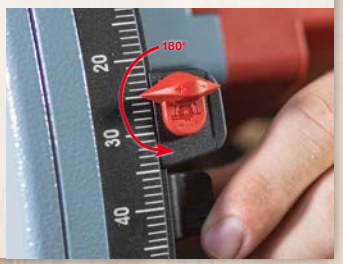
For extremely fine adjustment of the cutting depth setting (0.1 mm scale), e.g. when working with a resharpened blade.

## CHIP GUARD

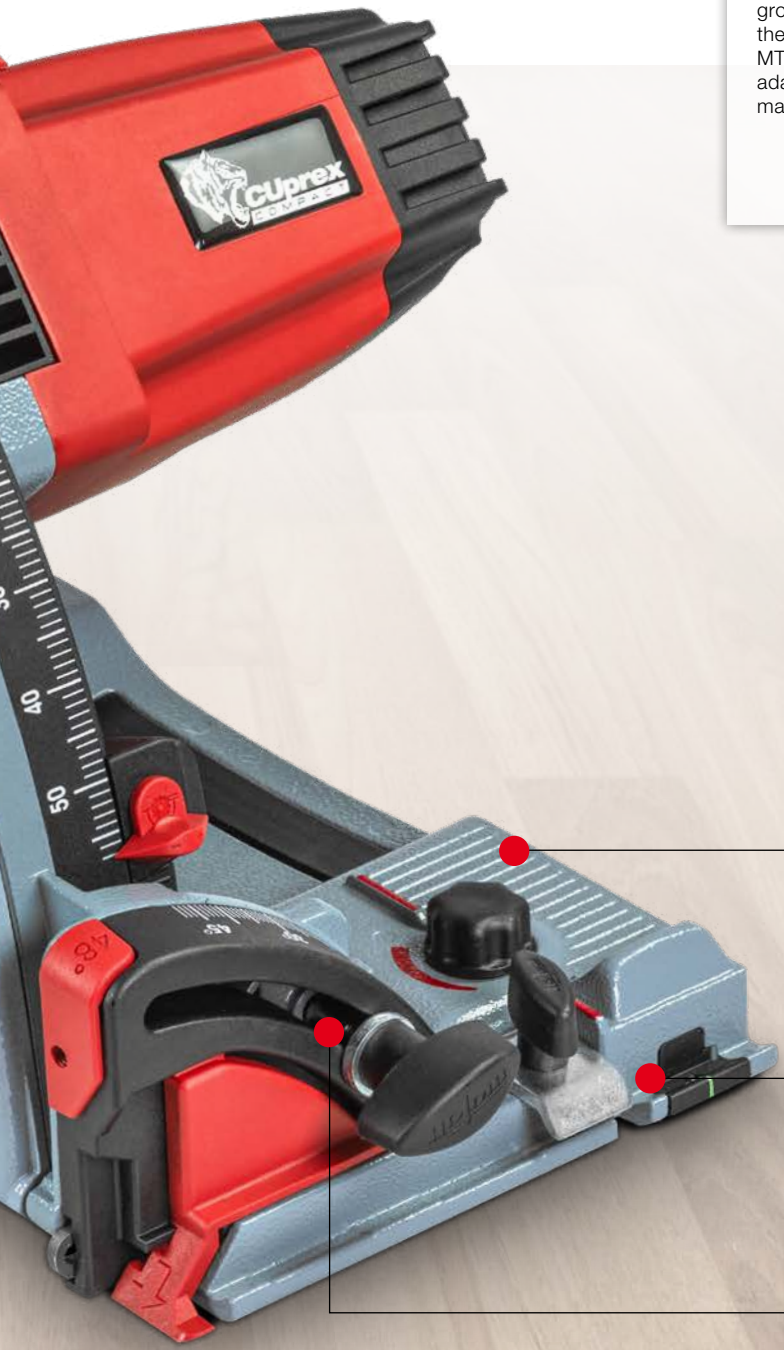
The adjustable slide, which effectively seals off the work, proves useful when operating the MT 55 on a guide track. This facility optimizes dust extraction.

## CUTTING DEPTH SCALE

The cutting depth can be set with precision, with or without the guide track – simply turn the pointer to show the exact cutting depth.



**Only machines manufactured with a passion for details deliver supreme performance long-term. The MT 55 is a prime example in view of its extremely rugged and high-quality materials and an ergonomic design that makes working both easier and more efficient.**




### GUIDE JAWS

Thanks to the second guide groove in the base plate and the adjustable guide jaws, the MT 55 can also be accurately adapted to rail systems of other manufacturers.

**More information:**

https://mt55.mafell.de/en

### GUIDE TRACK

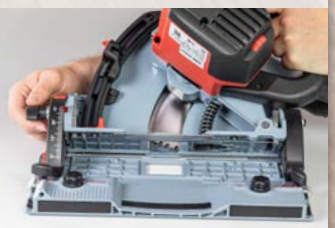




The groove to accommodate the track is integrated in the magnesium die-cast baseplate of the MT 55. Thanks to the second groove in the baseplate and adjustable guide jaws, the MT 55 fits other makers‘ guide tracks exactly as well.

### CENTRAL CLAMPING

For bevel cuts, the angle setting is fixed in two locations with just half a turn of a single locking screw.



# The MAFELL ErgoBalance principle: focusing on the user.

## MORE CONTROL

**Variable settings**
The scales, pointers, levers and locks are perfectly arranged to facilitate precise settings.



**Blade changes**
The guard opens to the maximum extent to allow fast and convenient blade changes.



**Central locking**
For bevel cuts, the angle setting is fixed in two places with just one screw and half a turn of the locking screw.



## BETTER BALANCE

**Handle shape**
By resting comfortably in the hand and offering generous contact for all the fingers, the ergonomic handle fosters labor-saving and low-fatigue operation.



**Perfect center of gravity**
The MT 55 has an ideal center of gravity for fatigue-free working.



**The MT 55 offers more control, enhanced safety and better balance. The ergonomic design, clever weight distribution and red operating elements make the saw easy to hold and control – even in awkward work situations. Optimized ease of use, including a release for a tilt angle of 48°, supports safe and accurate working.**

Our new cordless plunge-cut saw in particular offers every convenience for daily use on site where mains power is unavailable. Our designers focused their attention on ergonomics and ease of use. Owing to precise analysis of the center of gravity, for example, the new saw is perfectly balanced. All thanks to the MAFELL ErgoBalance principle.

## ENHANCED SAFETY



### Safe blade changes

The guard is opened simply by pushing the release button and raising the lever. At the same time, the starting lockout and sawblade lock are automatically engaged.



### Red operating elements

Optimized ease of use:
Red colored operating elements support intuitive operation of the saw.



### Superior workmanship

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

# A precise all-purpose saw. Whether corded or cordless.

CAS

## The cordless plunge-cut saw MT 55-18: Built for unbridled portability

High-performance CAS 18V-LiHD-lithium ion battery technology achieves superb cutting quality. The battery is processor-controlled and monitors all the relevant parameters, such as charge and temperature.





**These are powerhouses for every need. Two high-performance versions of the compact MT 55 are now available. The powerful mains-operated model for maximum performance, and the cordless MT 55-18 with the latest battery technology for unparalleled freedom and flexibility.**

## 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.



**MT 55-18**



**MT 55**

## Technical data

| | | |
|---|---|---|
| **Nominal power input** | – | 1,400 W (1.88 hp) |
| **Nominal speed – no load** | 2,660 – 5,930 1/min | 3,000 – 6,250 1/min |
| **Cutting depth** | 0 – 56.5 mm (2 ¼ inch) | 0 – 56.5 mm (2 ¼ inch) |
| **Cutting depth at 45°** | 0 – 45.1 mm (1 ¾ inch) | 0 – 45.1 mm (1 ¾ inch) |
| **Tilting range** | –1° – + 48° | –1° – + 48° |
| **Voltage rating** | 18 V | 230 V |
| **Weight** | 4.5 kg (9,9 lbs) (without battery) | 4.5 kg (9,9 lbs) |

## Delivery scope



**91F502 |**
**Cordless Plunge-Cut Saw MT 55-18 PURE in the MAX3 without battery and charger**

1 Saw blade KSB-WF162 GT TCT 162 x 1,8 x 20 mm, Z 49-7, 3WZ/FZ — Ref. No. **092604**
1 Allen key 5 mm
1 Dust bag — Ref. No. **206921**



**91F402 |**
**Plunge-Cut Saw MT 55 in the MAX3**

1 Saw blade KSB-WF162 GT TCT 162 x 1,8 x 20 mm, Z 49-7, 3WZ/FZ — Ref. No. **092604**
1 Allen key 5 mm
1 Mains cable 4 m



**91F501 |**
**Cordless Plunge-Cut Saw MT 55-18 in the MAX3**

1 Saw blade KSB-WF162 GT TCT 162 x 1,8 x 20 mm, Z 49-7, 3WZ/FZ — Ref. No. **092604**
1 Allen key 5 mm
1 Dust bag — Ref. No. **206921**
2 Battery-PowerTank 18 M 99 — Ref. No. **094503**
1 Battery-PowerStation APS M+ — Ref. No. **094509**

**The MT 55 offers not only compelling power, precision and flexibility, but also an impressive range of optional accessories. You can therefore customize your own MT 55 perfectly to suit individual requirements and the tasks in hand.**



## Sawblades

- KSB-WL160 GT HW, 160 x 1,8 x 20 mm, Z15-5, WZ/FZ, Wood Rip Cut — Ref. No. **092601**
- KSB-WU160 GT HW, 160 x 1,8 x 20mm, Z28-4, 3WZ/FZ, Wood Universal — Ref. No. **092602**
- KSB-WF162 GT HW,162 x 1,8 x 20mm Z49-7, 3WZ/FZ, Wood Fine Cut — Ref. No. **092604**
- KSB-L160 HW, 160 x 1,8 x 20 mm, Z46, WZ/FA, Laminate / HPL — Ref. No. **092606**
- KSB-AL160 HW, 160 x 1,8 x 20mm, Z48, 2FZFA, Aluminium / Plastics — Ref. No. **092605**
- KSB-AM160 DT 160 x 2,2/3,0 x 20mm, Z4, FZ, Abrasive Materials — Ref. No. **092608**



## Parallel guide fence

with wing screws
Ref. No. **203214**



## Connecting piece F-VS

For joining two guide tracks
Ref. No. **204363**



## Guide rail F

| Designation | Length in m | Ref. No. |
|---|---|---|
| F 80 | 0,80 m (2,6 ft) | **204380** |
| F 110 | 1,10 m (3,6 ft) | **204381** |
| F 160 | 1,60 m (5,2 ft) | **204365** |
| F 210 | 2,10 m (6,9 ft) | **204382** |
| F 310 | 3,10 m (10,2 ft) | **204383** |



## Angle fence F-WA

Ref. No. **205357**



## Guide pocket

**Guide pocket TZ-FST1600**
for guide rails up to 1.6 m (5.2 ft)
Ref. No. **095257**

**Guide rail set with bag:**
F 80 + F 160 + F-WA + F-VS + 2 x F-SZC 180 + guide pocket
Ref. No. **209592**

**Guide rail set with bag:**
2 x F 160 + F-VS + 2 x F-SZC 180 + guide pocket
Ref. No. **209591**



## Suction clamping system

**Aerofix F-AF 1**
with 1,3 m (4 ft 3 in) rail, adapters for above and underneath rail, flexible hose
Ref. No. **204770**

**Flexible hose FXS L**
Length up to 3,2 m (10,5 ft)
Ref. No. **205276**



## End cap F-EK

2 pieces — Ref. No. **205400**



## Screw clamp F-SZC 180

2 clamps, for fixing track to work
Ref. No. **093868**



## Non-slip profile F-HP 6,8M

6,8 m (22.3 ft.) long
Ref. No. **204376**



## Splinter guard F-SS 3,4M

3,4 m (11.2 ft.) long
Ref. No. **204375**



## Dust bag

1 piece — Ref. No. **206921**



## Battery-PowerTank

18 M 99 LiHD (18 V, 99 Wh, 5,5 Ah)
Ref. No. **094503**
18 M 144 LiHD (18 V, 144 Wh, 8 Ah)
Ref. No. **094498**
18 M 144 LiHDX (18 V, 144 Wh, 8 Ah)
Ref. No. **094520**



## Battery-PowerStation

**APS M+** — Ref. No. **094509**

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**

Subject to design modifications and changes to delivery scope · 09/26 · Printed in Germany