

**mafelli**  
creating excellence



Portable circular saw

K 65 cc | K 65 18M bl

Cross-cutting systems

KSS 60 cc | KSS 60 18M bl

# Light, strong, deep: the new MAFELL cross-cutting system for cutting depths up to 67 millimeters.

## **SIMPLY IN TUNE WITH THE TIMES: CUTTING DEPTHS UP TO 67 MM**



Impressive cuts in an extremely wide range of materials. At the same time, the saws are light-weight and offer easy and safe handling.

## **SIMPLY GO FREE: CORDLESS VERSION KSS 60 36B**



The battery-powered KSS 60 36B gives you exceptional flexibility and freedom. What's more, the high-performance 36 V battery technology delivers ample power for a whole range of tasks.

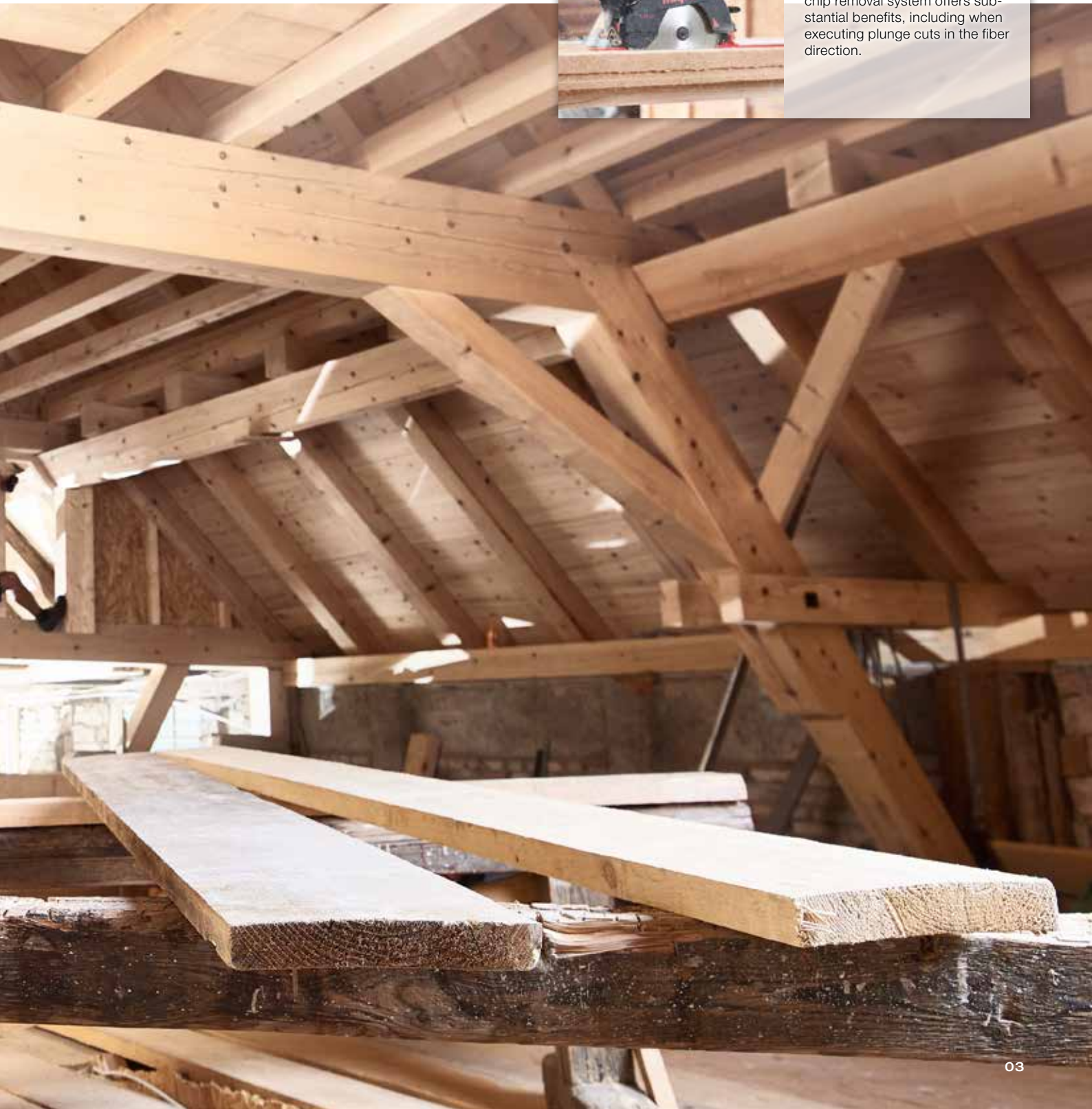


Modeled on the 55-class design, MAFELL is offering a new generation of extremely powerful and lightweight portable circular saws for cutting depths up to 67 millimeters. Their motor output of up to 1,800 Watt and the combination of cross-cutting system and cordless operation are unique in this class of saw.

#### SIMPLY FIRST-RATE: CHIP HANDLING



The chip management system was designed and optimized for cutting fiberboard. The superb chip removal system offers substantial benefits, including when executing plunge cuts in the fiber direction.



# From solid wood to insulating materials: versatility at every level.

## CROSS CUTS

### It couldn't be simpler:

With the cross-cutting system, the machine is permanently attached to the guide track. One fixed and one adjustable stop on the underside of the track allow precision angle cuts from  $-60^{\circ}$  to  $60^{\circ}$  to be made. Simply push the system up against the workpiece edge with the two stops, and execute the cut. Afterwards the track automatically returns to the starting position.



## MITER CUTS



Thanks to the generously-sized angle scale and precise double clamp, miter cuts can be realized that ensure a perfect fit - as illustrated here on exterior cladding.

It's not just their cutting depth and exemplary user concept that make MAFELL's new saws stand out, but also their wide range of applications. Be it for cross, plunge or bevel cuts up to 67 mm in depth, the new machines do a perfect job, especially with solid structural timbers and wood fiber insulating materials.

#### PLUNGE CUTS



Dispensing with a detachable riving knife, the FLIPPKEIL permits reliable, convenient and straight-forward plunge cutting.

#### RIP CUTS



Using the MAFELL guide tracks or the parallel fence included in the delivery scope, which is graduated in millimeters, decking boards for instance can be made to fit exactly.

# Cross-cutting systems KSS 60 cc and KSS 60 18M bl.

## BATTERY CHARGE INDICATOR



Always in the picture: the battery charge can be checked at any time by pressing a button.

## SAWBLADE LOCK



Pressing the battery release button interrupts the power supply and automatically locks the sawblade. The blade can then be changed safely and without risk with the Allen key attached to the machine.

## FLIPPKEIL

Dispensing with a detachable riving knife, the spring-mounted FLIPPKEIL facilitates reliable and accurate plunge cuts



## PIVOTING GUARD RETRACTION LEVER

The pivoting guard is retracted quickly and easily by means of a lever for convenience and safety when executing bevel and plunge cuts.



## TILTING SYSTEM

Thanks to the unique tilting system, a cutting depth of 47 mm (including rail) is always available in the angle range from 0° to 45°.



With their low weight and cutting depths of up to 60 mm on the track, MAFELL's new, powerful cross-cutting systems are making a big impact when it comes to interior work, for example. In addition, the innovative, powerful battery technology of the KSS 60 18M bl means you can work with greater freedom and efficiency on the construction site.



The CUprex high-performance motor stands for sheer strength and outstanding motive power.

**USE WITHOUT THE CROSS-CUTTING RAIL**

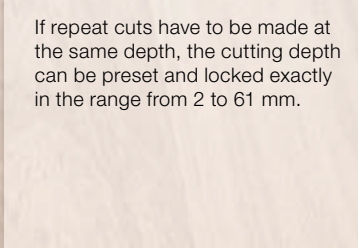
Team player or solo act: with the new cross-cutting systems, the machine can also be used without the guide track. It then offers the same functions and benefits as the new K 65 cc.

**CUTTING DEPTH ADJUSTMENT**

The exact cutting depth can be set quickly and reliably. Once the lock has been released, the depth is accurately set with reference to a scale.

**MACHINE RETURN**

Thanks to the integrated polyethylene return cable, the machine is immediately drawn back to the starting position after every cut, ready for the next one.



If repeat cuts have to be made at the same depth, the cutting depth can be preset and locked exactly in the range from 2 to 61 mm.



The machine can be removed from the cross-cut track at the single press of a button, allowing its use for the full range of applications offered by the K 65 cc.

**REPEAT STOP FOR CUTTING DEPTH**

**DETACHING THE TRACK**

# Portable circular saws K 65 cc and K 65 18M bl.

## SAWBLADE LOCK



To change blades, the K 65 cc sawblade is locked simply by pressing a button, which automatically engages the starting lockout. The sawblade can then be changed quickly and easily using the Allen key attached to the machine.

## FLIPPKEIL

Dispensing with a detachable riving knife, the spring-mounted FLIPPKEIL permits reliable plunge cutting every time.

## PIVOTING GUARD



The pivoting guard is retracted quickly and easily by means of a lever for convenience and safety when executing bevel and plunge cuts.



LED WORK LAMP

Bright LEDs illuminate a large working area.

With the compact and ultra-performing K 65 cc, you can achieve superb quality cuts at depths of up to 67 millimeters (2 5/8 inch) – and this from a portable circular saw with the best power-to-weight ratio in its class. It offers all the weight and handling advantages of a 55-series machine with the cutting depth of a 65 mm (2 9/16 inch) model.

#### BATTERY TECHNOLOGY

High-performance 18 V lithium ion battery technology combines tremendous power and traction. The CAS\*-battery is processor-controlled and automatically monitors all the relevant parameters, such as charge and temperature, in order to maximize runtime.

\* More informations at [mafell.de/en/](http://mafell.de/en/)



#### THE CUPREX HIGH-PERFORMANCE MOTOR

stands for sheer strength and outstanding motive power.

#### REPEAT STOP FOR CUTTING DEPTH



The K 65 cc's cutting depth can be preset and locked in the range from 8 to 67 mm (2 5/8 inch).

#### CUTTING DEPTH ADJUSTMENT

On the K 65 cc too, the exact cutting depth can be set quickly and reliably. Simply release the lock and set to the exact depth on the scale.



The innovative pointer automatically follows the machine as it is tilted and therefore always accurately tracks the actual cutting edge.

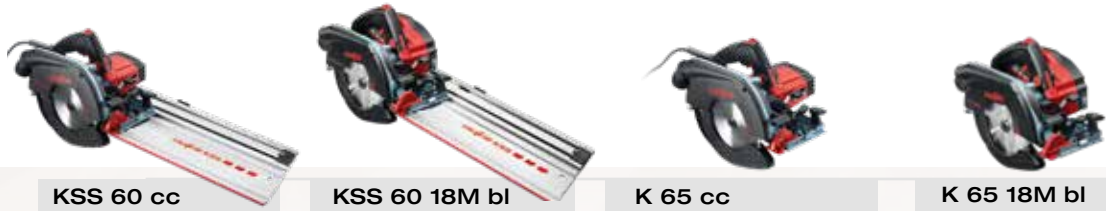
#### TRACKING POINTER



Thanks to the unique tilting system, a cutting depth of 54 mm (2 1/8 inch) is always available in the angle range from 0° to 45°.

#### TILTING SYSTEM

# Technical data and accessories.



KSS 60 cc

KSS 60 18M bl

K 65 cc

K 65 18M bl

## Technical data

|                              |                          |                          |                     |                     |
|------------------------------|--------------------------|--------------------------|---------------------|---------------------|
| <b>Nominal input</b>         | 1.800 W                  | –                        | 1.800 W             | –                   |
| <b>Nominal no-load speed</b> | 2.700 – 4.700 1/min      | 2.450 – 5.450 1/min      | 2.700 – 4.700 1/min | 2.450 – 5.450 1/min |
| <b>Cutting depth at 0°</b>   |                          |                          |                     |                     |
| • with guide track           | 0 – 61 mm                | 0 – 61 mm                | –                   | –                   |
| • without guide track        | 0 – 67 mm                | 0 – 67 mm                | 0 – 67 mm           | 0 – 67 mm           |
| <b>Cutting depth at 45°</b>  |                          |                          |                     |                     |
| • with guide track           | 0 – 47 mm                | 0 – 47 mm                | –                   | –                   |
| • without guide track        | 0 – 53 mm                | 0 – 54 mm                | 0 – 53 mm           | 0 – 53 mm           |
| <b>Cutting length</b>        | 408 mm                   | 408 mm                   | –                   | –                   |
| <b>Tilt range</b>            | 0 – 45°                  | 0 – 45°                  | 0 – 45°             | 0 – 45°             |
| <b>Angle cuts</b>            | –60° bis +60°            | –60° bis +60°            | –60° bis +60°       | –60° bis +60°       |
| <b>Universal motor</b>       | 230 V/ 50 Hz             | 18 V                     | 230 V/ 50 Hz        | 18 V                |
| <b>Weight</b>                | 6,1 kg (with guide rail) | 5,8 kg (with guide rail) | 4,7 kg              | 4,4 kg              |
| <b>Akku</b>                  | –                        | 18 V, 5,5 Ah, 99 Wh      | –                   | 18 V, 5,5 Ah, 99 Wh |

| Ref. No.                       | boxed 91B101<br>in carrying case   91B102  | in carrying case   91D901<br>PURE in carrying case  <br>91D902  | boxed 91B001<br>in the T-MAX   91B002   | in the T-MAX   91D801<br>PURE in the T-MAX  <br>91D802  |
|--------------------------------|--|---|---|---|
| <b>Delivery scope includes</b> | <b>1 TCT saw blade</b><br>185 x 1,4/2,4 x 20 mm, Z 32,<br>AT, for fine cuts in wood<br><b>1 Parallel guide fence</b><br><b>1 Guide track M</b><br>cutting length 400 mm<br><b>1 Allen key 5 mm</b><br><b>1 Mains cable 4 m</b> | <b>1 TCT saw blade</b><br>185 x 1,4/2,4 x 20 mm, Z 32,<br>AT, for fine cuts in wood<br><b>1 Parallel guide fence</b><br><b>1 Guide track M</b><br>cutting length 400 mm<br><b>1 Allen key 5 mm</b><br><b>1 Mains cable 4 m</b><br><b>2 Battery PowerTank 18 M 99</b><br>(only 91B801)<br>18 V, 99 Wh, LiHD<br>CAS-technology<br><b>1 Battery PowerStation</b><br>APS 18 (only 91B801) | <b>1 TCT saw blade</b><br>185 x 1,4/2,4 x 20 mm, Z 32,<br>AT, for fine cuts in wood<br><b>1 Parallel guide fence</b><br><b>1 Allen key 5 mm</b><br><b>1 Mains cable 4 m</b> | <b>1 TCT saw blade</b><br>185 x 1,4/2,4 x 20 mm, 16 teeth,<br>AT, Battery Ideal<br>for universal use in wood<br><b>2 Battery-PowerTank 18 M 99</b><br>(only 91B701)<br>18 V, 99 Wh, LiHD<br><b>1 Battery-PowerStation APS M</b><br>(only 91B701)<br><b>1 Parallel guide fence</b><br><b>1 Allen key 5 mm</b><br><b>1 Dust bag</b> |

With the new all-rounders in the 60/65 millimeter class, you are perfectly equipped for a wide range of tasks. Thanks to specially matched accessories, you can tailor your new cross-cutting system or portable circular saw exactly to your specific applications.



**TCT sawblades for KSS 60 cc / K 65 cc**

- 185 x 1.4/2.4 x 20 mm, ATB, 16 teeth for ripping in wood
- 185 x 1.4/2.4 x 20 mm, ATB, 24 teeth for universal use with wood
- 185 x 1.4/2.4 x 20 mm, ATB, 32 teeth for fine sawing in wood
- 185 x 1.4/2.4 x 20 mm, ATB, 56 teeth for cross-cutting wood

Order No. **092485**

Order No. **092487**

Order No. **092489**

Order No. **092491**



**TCT sawblades for KSS 60 18M bl / KSS 65 18M bl**

- 185 x 1.2/1.8 x 20 mm, ATB, 16 teeth, Battery ideal for ripping in wood
- 185 x 1.2/1.8 x 20 mm, ATB, 32 teeth, Battery ideal for cross-cutting wood

Order No. **092494**

Order No. **092493**



**Roller edge guide**

Order No. **206073**



**Connecting piece F-VS**

For joining two guide tracks

Order No. **204363**



**Guide track**

M max. milling length 400 mm

Ref. No. **208170**

ML max. milling length 770 mm

Ref. No. **204378**



**Angle fence F-WA**

Order No. **205357**



**Guide rail F**

| Designation | Length in m | Ref. No.      |
|-------------|-------------|---------------|
| F 80        | 0.80 m      | <b>204380</b> |
| F 110       | 1.10 m      | <b>204381</b> |
| F 160       | 1.60 m      | <b>204365</b> |
| F 210       | 2.10 m      | <b>204382</b> |
| F 310       | 3.10 m      | <b>204383</b> |



**Suction clamping system**

**Aerofix F-AF 1**  
With track, top and bottom adapters, flexible hose

Order No. **204770**

**Flexible hose FXS L**  
Length up to 3.2 m Order No. **205276**



**Screw clamp F-SZ 100MM**

2 clamps, for fixing track to work  
Order No. **205399**



**Battery PowerStation**

APS M, 18V Ref. No. **094492**

APS M+ Quick Charger 18 V Ref. No. **094509**



**Splinter guard F-SS 3,4M**

3.4 m long Order No. **204375**



**Dust bag**

Ref. No. **206921**



**Guide rail bags**

**Guide Bag F 160**  
for guide rails up to 1.6 m l  
Order No. **204626**



**Battery PowerTank**

18 M 144 LiHDX, 18V, 144 Wh  
Ref. No. **094520**



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

6,8 m long Order No. **204376**



**End cap F-EK**

2 off Order No. **205400**

**Guide rail set with bag:**  
2 x F 160 + F-VS + 2 x F-SZ 100MM + guide pocket  
Order No. **204805**

**Guide rail set with bag:**  
F 80 + F 160 + F-WA + F-VS + 2 x F-SZ 100MM + guide pocket  
Order No. **204749**



**Battery PowerTank**

18 M 99 LiHD, 18 V, 99 Wh  
Ref. No. **094503**

18 M 144 LiHD, 18 V, 144 Wh  
Ref. No. **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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