



Portable circular saws

K 55 cc | K 55 18M bl

Cross-cutting systems

KSS 50 cc | KSS 50 18M bl

New multi-purpose machines for cutting depths up to 58 millimeters.

BANG UP TO DATE: CUTTING DEPTHS UP TO 58 MM



The new saws perform impressively when cutting a wide range of materials. They are also supremely easy and safe to operate.



The portable circular saw K 55 and cross-cutting system KSS 50 are compact and rugged multi-purpose machines developed by Mafell to new designs. Offering a cutting depth of up to 58 millimeters, they are ideal tools for a variety of sawing tasks.

HIGHLY PORTABLE: MULTIPLE ON-SITE APPLICATIONS



In view of their low weight, the 18 V versions are perfect companions when working on site. The innovative, high-capacity battery technology delivers stamina and tremendous power.

SIMPLY FIRST-RATE: CHIP REMOVAL



The chip removal system has been designed and optimized to cope with the very large chip quantities produced when cutting fiberboard. Blockages are practically ruled out – even when executing plunge cuts in the direction of the fibers.



Compact, lightweight, powerful – and equipped for most every challenge.

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 to be made in the range from -60° to 60° . 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, miter cuts always ensure a perfect fit – as seen here with exterior cladding.



Given their power and ease of use, the K 55 and KSS 50 are predestined for diverse on-site applications, from cross-cutting and ripping to plunge-cutting solid structural timbers, boards or roof battens. The highly efficient CUprex motor generates an output of 1,300 Watts and ensures supreme cutting performance - even when working hard every day.

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 optional edge guide, which is graduated in millimeters, decking boards can be made to fit exactly.

Cross-cutting systems KSS 50 cc and KSS 50 18M bl.

BATTERY CHARGE INDICATOR



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

SAWBLADE LOCK



To change blades, simply lock the sawblade by pushing a button, which automatically engages the starting lockout. The blade can then be changed safely and without risk with the Allen key attached to the machine.

OUTSTANDING CHIP REMOVAL



The chips are carried away so efficiently that the vacuum channel cannot become blocked. Users enjoy this crucial benefit when executing plunge cuts in the direction of the fibers as well.

LED WORK LAMP



Bright LEDs illuminate a large working area.



The cross-cutting system KSS 50 is characterized by maximum precision and extremely simple operation. The saw can cut as deep as 58 mm. Its low weight and powerful motor predestine the KSS 50 for work on construction sites.



THE CUprex HIGH-PERFORMANCE MOTOR
stands for sheer strength and outstanding motive power.

USE WITHOUT THE GUIDE TRACK

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 55 cc.

CUTTING DEPTH ADJUSTMENT

The cutting depth is set accurately, reliably and quickly on a scale. To enhance convenience, there are separate depth scales for sawing on and off the guide track.

DETACHING THE TRACK



The machine can be detached from the cross-cutting track at the push of a button for use just like the KSS 50.

MACHINE RETURN

A polyethylene cord returns the machine to its starting position after every cut, so that it is ready for deployment again immediately.

TILTING SYSTEM



Thanks to the unique tilting system, a cutting depth of 42 mm (including track) is always available in the angle range from 0° to 45°.

Portable circular saws K 55 cc and K 55 18M bl.

SAWBLADE LOCK



To change blades, simply lock the sawblade by pushing a button, which automatically engages the starting lockout. The blade can then be changed safely and without risk with the Allen key attached to the machine.

OUTSTANDING CHIP REMOVAL



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LED WORK LAMP

Bright LEDs illuminate a large working area.

PIVOTING GUARD



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

FLIPPKEIL

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



The new compact and extremely capable portable circular saw K 55 executes exceptionally high-quality cuts to a depth of 58 millimeters. And thanks to its excellent power-to-weight ratio, safety is ensured at all times when cutting with the saw.

BATTERY TECHNOLOGY

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



THE *CUprex* HIGH-PERFORMANCE MOTOR stands for sheer strength and outstanding motive power



CUTTING DEPTH ADJUSTMENT

The cutting depth is set accurately, reliably and quickly on a scale. To enhance convenience, there are separate depth scales for sawing on and off the guide track.

TRACKING POINTER



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

TILTING SYSTEM



Thanks to the unique tilting system, a cutting depth of 48 mm is always available in the angle range from 0° to 45°.

Technical data and accessories.



Technical data

Nominal power input	1,300 W (1,7 hp)	–	1,300 W (1,7 hp)	–
Nominal speed – no load	3300 - 5700 1/min	2450 – 5450 1/min	3300 - 5700 1/min	2450 – 5450 1/min
Cutting depth at 0°				
• with track	52 mm (2 1/16 in.)	52 mm (2 1/16 in.)	52 mm (2 1/16 in.)	52 mm (2 1/16 in.)
• without track	58 mm (2 5/16 in.)	58 mm (2 5/16 in.)	58 mm (2 5/16 in.)	58 mm (2 5/16 in.)
Cutting depth at 45°				
• with track	42 mm (1 5/8 in.)	42 mm (1 5/8 in.)	42 mm (1 5/8 in.)	42 mm (1 5/8 in.)
• without track	48 mm (1 7/8 in.)	48 mm (1 7/8 in.)	48 mm (1 7/8 in.)	48 mm (1 7/8 in.)
Cutting length	407 mm (16 in.)	407 mm (16 in.)	–	–
Tilting range	0 – 45°	0 – 45°	0 – 45°	0 – 45°
Angle cuts	–60° to +60°	–60° to +60°	–	–
Voltage rating	230 V/50 Hz	18 V	230 V/50 Hz	18 V
Weight	5.4 kg (11.9 lbs)	5.7 kg (12.6 lbs)	4.1 kg (9 lbs)	4.3 kg (9.5 lbs)
Rechargeable battery	–	18 V, 94 Wh, LiHD	–	18 V, 99 Wh, LiHD

Ref. No.	918901 Boxed	91D702 PURE – In carrying case	918001 Boxed	91D602 PURE – in T-MAX
Delivery scope includes	1 TCT sawblade 168 x 1,8 x 1,2 x 20 mm, 32 teeth, WZ 1 Allen key 5 mm 1 Mains cable 4 m (13.1 ft) 1 Guide track 400	1 TCT saw blade 168 x 1.2/1.8 x 20 mm, Z 32, AT, for fine cuts in wood 2 Akku-PowerTank 18 M 99, 18 V, 99 Wh, LiHD 1 Akku-PowerStation APS M 1 Guide track M max. cutting length 400 mm 1 Allen key 5 mm 1 Dust bag	1 TCT saw blade 168 x 1.2/1.8 x 20 mm, Z 24, AT, for universal use in wood 1 Allen key 5 mm 1 Mains cable 4 m	1 TCT saw blade 168 x 1.2/1.8 x 20 mm, Z 24, AT, for universal use in wood 1 Allen key 5 mm 1 Dust bag

Ref. No.	918902 In carrying case	91D701 In carrying case	918002 in T-MAX	91D601 in T-MAX
Delivery scope includes	1 TCT sawblade 168 x 1,8 x 1,2 x 20 mm, 32 teeth, WZ 1 Allen key 5 mm 1 Mains cable 4 m (13.1 ft) 1 Guide track 400	1 TCT saw blade 168 x 1.2/1.8 x 20 mm, Z 32, AT, for fine cuts in wood 2 Akku-PowerTank 18 M 99, 18 V, 99 Wh, LiHD 1 Akku-PowerStation APS M 1 Guide track M max. cutting length 400 mm 1 Allen key 5 mm 1 Dust bag	1 TCT saw blade 168 x 1.2/1.8 x 20 mm, Z 24, AT, for universal use in wood 1 Allen key 5 mm 1 Mains cable 4 m	1 TCT saw blade 168 x 1.2/1.8 x 20 mm, Z 24, AT, for universal use in wood 2 Battery-PowerTank 18 M 99, 18 V, 99 Wh, LiHD 1 Battery-PowerStation APS M 1 Allen key 5 mm 1 Dust bag

These new multi-purpose machines give you all you need for an enormous range of tasks. And an extensive assortment of accessories allows the saws to be customized to the task in hand.



TCT sawblades

- 168 x 1,8 x 1,2 x 20 mm, Z 16, WZ for ripping in wood
- 168 x 1,8 x 1,2 x 20 mm, Z 24, WZ for universal use with wood
- 168 x 1,8 x 1,2 x 20 mm, Z 32, WZ for fine sawing in wood
- 168 x 1,8 x 1,2 x 20 mm, Z 56, WZ for cross-cutting wood

Ref. No. **092476**

Ref. No. **092478**

Ref. No. **092480**

Ref. No. **092482**



Guide rail

Description	length
F 80	0,80 m
F 110	1,10 m
F 160	1,60 m
F 210	2,10 m
F 310	3,10 m

Ref. No.

204380

204381

204365

204382

204383



Guide pocket

Guide pocket TZ-FST

for guide rails up to 1.6 m

Ref. No. **095257**

Guide pocket set

F 80 + F 160 + F-WA + F-VS + 2 x F-SZC 180 + guide pocket

Ref. No. **209592**

Guide pocket set

2 x F-SZC 180 + 2 x F 160 + F-VS + guide pocket

Ref. No. **209591**



Parallel guide fence K55-PA

Ref. No. **206825**



Roller edge guide MF-UA

Ref. No. **206073**



End cap F-EK

2 pieces

Ref. No. **205400**



Suction clamping system

Aerofix F-AF 1

suction clamping system with 1.3 m rail, adapters for above and under-neath rail, flexible hose

Ref. No. **204770**

Flexible hose FXS-L

up to 3.2 m long Ref. No. **205276**



Guide track

M max. milling length 400 mm

Ref. No. **208170**

ML max. milling length 770 mm

Ref. No. **204378**



Battery PowerStation

APS M, 18V

Ref. No. **094492**

APS M+

Ref. No. **094509**

Quick Charger 18 V



Power-Sets

Power-Set 2

Ref. No. **209599**

Power-Set 3

Ref. No. **209598**

Power-Set 4

Ref. No. **212615**

Power-Set 5

Ref. No. **209633**



Non-slip profile F-HP 6.8M

6,8 m long

Ref. No. **204376**



Splinter guard F-SS 3.4M

3,4 m long

Ref. No. **204375**



Battery PowerTank

18 M 144 LiHDX (18 V, 144 Wh, 8 Ah)
Best. Nr. **094520**



Battery PowerTank

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

18 M 144 LiHD, 18 V, 144 Wh
Ref. No. **094498**



Connecting piece F-VS

for joining two guide rails

Ref. No. **204363**



Angle fence F-WA

Ref. No. **205357**



Lever clamp F-SZC 180

2 pieces, for fixing guide rail to workpiece

Ref. No. **093868**



Dust bag

Ref. No. **206921**

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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