

Sawing



The saws built by MAFELL are high-quality machines for professional users in the carpentry and joining segments. From a jig saw and a plunge-cut saw to a cross-cutting system and a pull-push saw with a guide track or sliding table, MAFELL has an ideal machine for every sawing task encompassing a seamless range of cutting depths. Its highly practical machines have an endless variety of uses with a range that extends from internal finishing, where precision is key, to cutting thick timbers.



Guide rails



The extendable guide rail with rubber lip and tear protection.



With 2 fixing clamps the guide rail can be fixed additionally on the workpiece.



Two detachable holding strips on the underside of the guide rail ensure outstanding grip and protect the surface of your workpiece.



For 100% precision and clean cuts: the MAFELL guide rail system with tear protection.



A connecting piece, which is easily accessible from the top, is all that is required to join two guide rails. It is always to hand and slides back when not in use.

The new, convenient guide rail system F facilitates clean and exact cutting without tearing in conjunction with numerous MAFELL machines. The advantages of this new MAFELL guide rail system are obvious:

- Easily extendable thanks to a newly designed steel connecting piece
- Even the extended guide rails are straight like an arrow thanks to the self-aligning connecting piece
- With removable rubber lip for fast and clean cutting results
- Very light in weight for optimal handling
- Guaranteed non-slip assured by two detachable holding strips on the underside of the guide rail

The rubber lip provides a guide edge as well as tear protection. For a perfect result you should pre-cut the rubber lip with your machine before using it on the workpiece.

The upper side of the guide rail has a special coating which helps your machines moving smoothly on the guide rail and helps you to concentrate on your work and not on pushing the machine through the workpiece. Simply easy. The plug-in end profile is supplied with the machine and prevents cables and suction hoses becoming caught.

The width of the guide rail matches entirely the width of the machines gliding on top of the guide rail – another factor ensuring a perfect cutting result.

Our new guide rail system is available for the following machines:

- | | | |
|-----------------|---------------|------------------|
| • P1 cc | • K 55 18M bl | • MF 26 cc |
| • PS 2-18 | • K 65 cc | • MF 26 cc / 400 |
| • MT 55 cc | • K 65 18M bl | • LO 55 |
| • MT 55 18M bl | • K 85 Ec | |
| • KSS 50 cc | • MKS 130 Ec | |
| • KSS 50 18M bl | • MKS 145 Ec | |
| • KSS 60 cc | • MKS 165 Ec | |
| • KSS 60 18M bl | • MKS 185 Ec | |
| • KSS 80 Ec/370 | • ZSX Ec | |
| • MS 55 | • ZSX-TWIN Ec | |
| • MS 55-18 | • DSS 300 cc | |
| • K 55 cc | • NFU 50 | |

Angle fence F-WA

Angle cuts executed exactly according to the scale with the MAFELL angle fence.



The angle fence can be attached to all F-type guide rails with the adapter. Simply attach, adjust and lock the adapter.



Set the angle required for the cut by referencing the large legible scale, and lock the fence.



Place the assembled unit, comprising the angle fence and guide rail, on the workpiece.



Cut the workpiece at the exactly set angle.

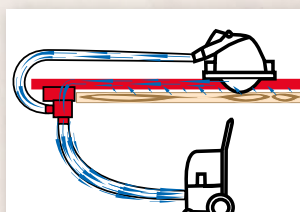
Aerofix F-AF 1

The MAFELL Aerofix F-AF 1 rail set uses the suction force produced by the dust extractor to generate a vacuum underneath the rail profile by means of an adapter system.



Method 1

Suction force applied from underneath, e.g. for parting cuts

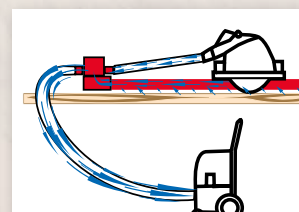


Suction fixing for cutting panels, doors etc... The suction force for fixing the F-AFU 130 to the 1.3 m guide rail is applied from underneath by way of the dual adapter.



Method 2

Suction force applied from above, e.g. for recessing



Suction fixing on surfaces. Simply attach adapter F-AFO to an existing F-type guide rail to apply the suction force from above.

MAFELL FLIPPKEIL

A safe plunge cut is possible even without unscrewing the riving knife – thanks to the MAFELL FLIPPKEIL.

Models with the new FLIPPKEIL

- | | | |
|-----------------|--------------------|---------------|
| • KSS 300 | • KSS 60 18M bl | • K 55 18M bl |
| • KSS 40 18M bl | • KSS 80 Ec / 370 | • K 65 cc |
| • KSS 50 cc | • PSS 3100 SE | • K 65 18M bl |
| • KSS 50 18M bl | • KSP 40 Flexistem | • K 85 Ec |
| • KSS 60 cc | • K 55 cc | • K 85-18 |

... and this is how it works:



- The saw blade is positioned 2 mm (1/16 in.) above the lower edge of the machine base plate by means of the stable, smooth-running height rail.
- In this position, the workpiece is no longer in contact with the saw blade.
- This position is secured against unintentional plunge cutting by an upper dead centre (KSP series, KSS 400) or an automatic detent switch.



- Optimum control of the plunge cutting process due to:
- Full view of the saw blade on the score (KSP series)
- Exceptionally easy to handle



- Without moving the machine forward, the saw blade can now be plunged directly into the material.
- The sprung FLIPPKEIL automatically remains in the protective cover and rests on the workpiece.

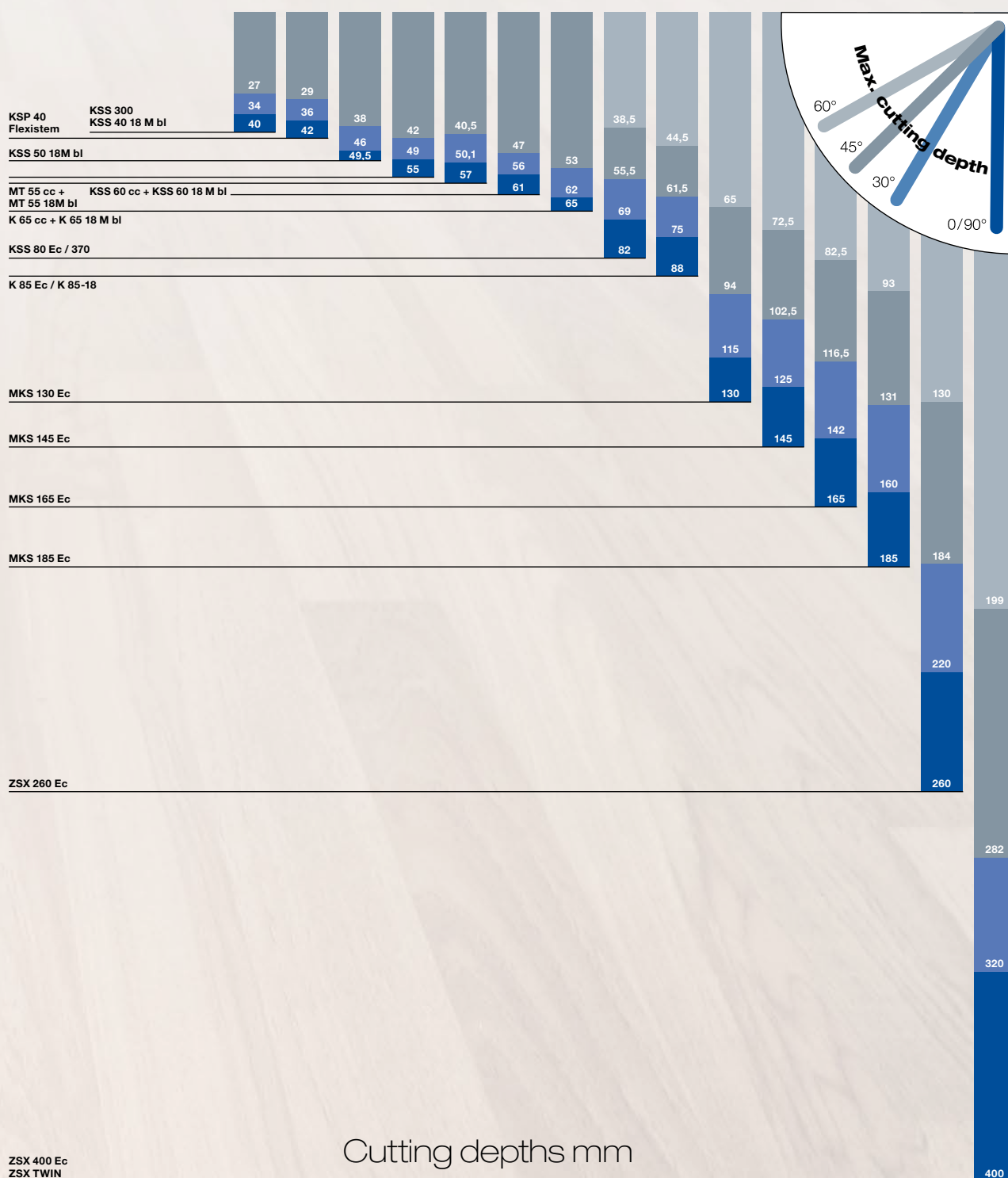


- As soon as there is a forward movement of the machine, the FLIPPKEIL automatically snaps into the saw cut.
- This ensures maximum user safety when sawing.
- Disassembly and reassembly of the riving knife, which is still necessary with most of other circular saws on the market to be able to carry out plunge cuts, is no longer required!
- The riving knife always remains on the machine!

Quality sawblades and range of cutting depths.

To maximize the use of power, the individual components must be perfectly matched. Extensive tests were conducted to find out exactly which sawblades produce the very best results. On the following pages, the sawblades are designated as follows: quality (CTC = tungsten carbide tipped, CV = chromium vanadium steel), diameter x thickness blade body/ cutting width x hole, tooth count, tooth type (AT = alternate top bevel tooth, FA = flat top tooth, HT = hollow tooth, TT = trapezoidal tooth).

The saws available from MAFELL cater for every cutting depth. Starting with a cutting depth of 40 mm for a lightweight portable circular saw, the range extends well beyond 200 mm in the portable circular saw category and ends with a cutting depth of 400 mm for the portable chainsaws. Our cutting depth chart shows which machine is required for your application.



Jig Saw

P1 cc



The iF Product Design Award 2011 for the Jig Saw P1 cc.



To change the sawblade, simply release the locking lever. Remove the blade and effortlessly insert the replacement.

The high-performance CUprex compact motor delivers consistently high speeds, even when executing long cuts.

The vacuum channel integrated in the sole plate guarantees outstanding dust extraction directly alongside the sawblade.

Product features

- **More power thanks to high-performance CUprex compact motor**
- **Greater precision thanks to CUnex sawblade and rail compatibility***
- **Enhanced ease of use thanks to tool-less blade changes and ideal handle positioning**
- **Greater flexibility thanks to finest special accessories**

Application area

- Straight cuts with guide rail and CUnex
- Guided circle cutting with P1-PA parallel fence and CUnex
- Recesses
- Bevel cuts up to 45°
- Compatible materials depend on sawblade; see special accessories/tools

Product description

Owing to its ergonomic design, with low center of pressure and soft pads, the P1 cc is comfortable to hold in every situation.

Sophisticated self-extraction and a clever integrated blower keep the work surface free from chips, even if a dust extractor is not connected. The workplace therefore remains clean at all times.

The P1 cc offers continuously variable speeds in the range 800 to 3000 strokes/min., so that the output can be adjusted exactly to suit the material.

The sole plate, with integrated vacuum channel, is as sturdy as it looks. By way of a quick-release mechanism, it remains reliably fastened to the saw at an exact right angle.

Its intelligent accessories give the P1 cc unprecedented versatility. The innovative design of the new MAFELL precision sawblade CUnex W1, in particular, facilitates extremely precise sawing.

Technical data

Stroke height	26 mm
No-load number of strokes	800 – 3000 1/min
Nominal input	900 W
Weight	2.5 kg
Universal motor	230 V / 50 Hz

P1 cc

Delivery specification

Jig Saw P1 cc MaxiMAX in the T-MAX	917103
---	---------------

Delivery scope includes

3 Jig saw blades CUnex W1; W2; W+P2	
1 Parallel guide fence P1-PA	205448
1 Sole plate P1-GP	204350
1 Hose connector P1-AS	203917
1 Chip deflector P1-SA	204353
1 Splinter guard P1-SS	205447
1 Glider P1-G	205464
1 Mains cable 4 m	077015

PG A

Price list page 4





Innovative CUMax sawblade clamping ensures a positive fit because of a wedge pushing against the blade. This design reliably fastens the sawblade so that it cannot be displaced.



In order not to compromise the strength of the standard sole plate, a separate tilting plate was developed for the P1 cc.










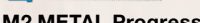
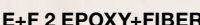







The CUnex W1 consists of two separate, soldered sawblades. The blade's strength and wedge shape ensure precise and square sawing, even when cutting curves.



If exactly straight cuts are required, the P1 cc can be used in conjunction with the MAFELL F guide rail.

Accessories / Tools

	Body thickness	Cutting blade length	Pitch	Material thickness	Qty. in pack	Solid wood	Board materials plain (e.g. particle board, battenboard)	Board materials laminated/veneered	Timber containing metal	Laminate panels, parquet	Gypsum/cement fiberboard (e.g. Fermacell)	Melamine resin panels (e.g. Trespa, Resopal)	Fiber-cement board (e.g. Eternit)	Plastics soft	Acrylic (e.g. Plexiglas)	Fiber-reinforced plastics (FRP)	Ferrous metals/copper alloys	Al composite panels	Aluminium
 CUnex W1 WOOD High Precision 093676	3	75	4	≤ 64	2	•	•												
 W2 WOOD 093701	1.7	75	4	≤ 64	5	•	•												
 W3 WOOD 093702	1.7	125	4	≤ 114	5	•	•												
 W4 WOOD Progressive 093703	1.3	75	4 – 5.2	≤ 64	5	•	•	•											
 W5 WOOD Progressive 093704	1.5	90	2 – 3	≤ 79	5	•	•	•											
 W6 WOOD Reverse 093706	1.5	75	2.5	≤ 64	5	•	•	•											
 W+P 2 WOOD+PLASTIC 093705	1.5	75	2.7	≤ 64	5	•	•	•		•				•	•	•			
 W+M 2 WOOD+METAL Progressive BIM 093707	1.3	105	2.4 – 5	≤ 94	5	•			•										
 L2 LAMINATE 093708	1.3	60	1.7	≤ 15	5					•									
 M2 METAL Progressive BIM 093709	1	55	1.1 – 1.5	≤ 3	5												•	•	•
 E+F 2 EPOXY+FIBER HM 093710	1.2	75	4.3	≤ 64	1							•	•		•				
 Assortment 1 4 x W2, W+P2, W5, W4 2 x CUnex W1																			
093712																			
 Assortment 2 4 x M2, W6, L2, W+M2 2 x CUnex W1																			
093713																			
 Parallel guide fence P1-PA incl. circular cutter																			
205448																			
 Splinter guard P1-SS 5 Pieces																			
205447																			
 Tilting plate P1-SP Tilts through +/-45°																			
205446																			

High-performance jig saw

PS 2-18



Product features

- **Greater precision thanks to CUnex saw blade and rail compatibility**
- **Tool-free saw blade change**
- **Ergo-Balance-Concept**
- **Battery-powered with 18 V CAS-LiHD technology**

Application area

- Straight cuts with guide rail and CUnex
- Guided circle cutting with P-PA parallel fence and CUnex
- Recesses
- Bevel cuts up to 45°
- Compatible materials depend on sawblade; see special accessories/tools

Product description

Limits exist in order to be overcome. The powerful rechargeable drive system of the high-performance jig saw PS 2-18 not only expands its operating range but also offers uncompromising precision, output and convenience. It delivers all the benefits of the MAFELL jig saw concept while raising the bar even higher with the ergo-balance principle and smart light management. For all those who measure their work against the highest standards.

Thanks to its ergonomic design, soft non-slip surfaces and smart weight distribution, the PS 2-18 is easy to control and comfortable to hold even in awkward situations. The broad baseplate and low center of gravity enable the PS 2-18 to rest securely and always squarely on the work.

From the innovative CUnex sawblade clamping system to the extremely powerful drive, the PS 2-18 is built to execute perfectly square cuts – no matter what the application.

With its diverse range of special accessories, the PS 2-18 is the tool of choice in virtually every situation. A clear practical advantage lies in its smart single accessory that offers the functionality of circle cutting, parallel fence and guide rail adapter.

Technical data

Stroke height	26 mm
Stroke height	1 in
No-load number of strokes	750 - 3100 1/min
Weight	2,2 kg
Weight	4.9 lbs
Weight (including battery)	2,8 kg
Weight (including battery)	6.2 lbs
Nominal voltage	18 V

Delivery specification

Akku-Performance-Stichsäge PS 2-18 im MAX3	91C101
Akku-Performance-Stichsäge PS 2-18 PURE im MAX3	91C102

Delivery scope includes

		PURE	T-MAX
3 Jig saw blades		x	x
CUnex W1; W2; W7			
1 Parallel guide fence P-PA	205448	x	x
1 Base plate P-GP		x	x
1 Hose connector P-AS	203917	x	x
1 Hose connector extension		x	x
1 Chip deflector P-SA	204353	x	x
5 Splinter guards P-SS	205447	x	x
1 Glider P-G	205464	x	x
2 Battery PowerTank 18 M 72 LiHD	094500		x
1 Battery-PowerStation APS M	094492		x

PG A
Price list page 4





The patented clamping system holds the sawblade absolutely secure without the need for additional jaws or rollers. Deformed sawblades are a thing of the past.



With its low center of gravity and exceptionally stable and broad baseplate, the PS 2-18 rests squarely and securely work piece and thus ensures maximum precision.









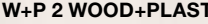
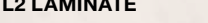
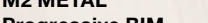

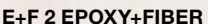
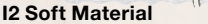


The twin-layer CUnex W1 blade has a wedge-shaped cross section that facilitates freehand sawing while offering the greatest possible sawblade stability.



Whenever perfectly straight guided cuts are required, the PS 2-18 can be operated together with the guide rail system F.

Sonderzubehör/Werkzeuge

		Body thickness (mm)	Cutting blade length	Pitch	Cutting depth	Qty. in Pack	Solid Wood	Plain boards (particle board, battenboard)	Laminated/veneered boards	Laminates, parquet	Soft fiber gypsum board (e.g. Fermacell)	Melamine resin panels (Frespa, Resopal)	Fiber-cement board (e.g. Eternit)	Soft plastics	Acrylic (e.g. Plexiglas)	Fiber-reinforced plastics (FRP)	Non-ferrous metals/copper alloys	Aluminum composite panels	Aluminium	Metal sandwich	Insulating materials
	CUnex W1 WOOD High Precision	093838	3 75	4	≤ 64	2	•	•													
	W2 WOOD	093840	1,7 75	4	≤ 64	5	•	•													
	W3 WOOD	093842	1,7 125	4	≤ 114	5	•	•													
	W5 WOOD Progressive	093844	1,5 90	2 – 3	≤ 79	5	•	•	•												
	W6 WOOD Reverse	093846	1,5 75	2,5	≤ 64	5	•	•	•												
	W7 WOOD Complete	093848	1,5 95	2,2	≤ 64	5	•	•	•												
	W8 WOOD Complete	093850	1,5 95	2,2	≤ 64	5	•	•	•												
	W9 WOOD Precision	093864	1,6 220	4,0	≤ 190	3	•														•
	W+P 2 WOOD+PLASTIC	093852	1,5 75	2,7	≤ 64	5	•	•	•		•			•	•						
	L2 LAMINATE	093854	1,3 60	1,7	≤ 15	5				•											
	M2 METAL Progressive BIM	093856	1 55	1,1 – 1,5	≤ 3	5											•	•	•		
	M3 Metal Sandwich	093862	1,6 220	1,1	≤ 200	3											•	•	•	•	
	E+F 2 EPOXY+FIBER HM	093858	1,2 75	4,3	≤ 64	1						•	•		•						
	I2 Soft Material	093860	1,6 220	1,1	≤ 200	3															•



Assortment 1
4 x W2, W+P2, W5, W4
2 x CUnex W1

093712

Assortment 2
4 x W2, W6, L2, W+M2
2 x CUnex W1

093713

Assortment 3 WOOD
4 x W2, W5, W7, W8
2 x CUnex W1

093866



Parallel fence P-PA
4-function attachment, including for cutting circles

205448



Splinter guard P-SS
5 Stück

205447

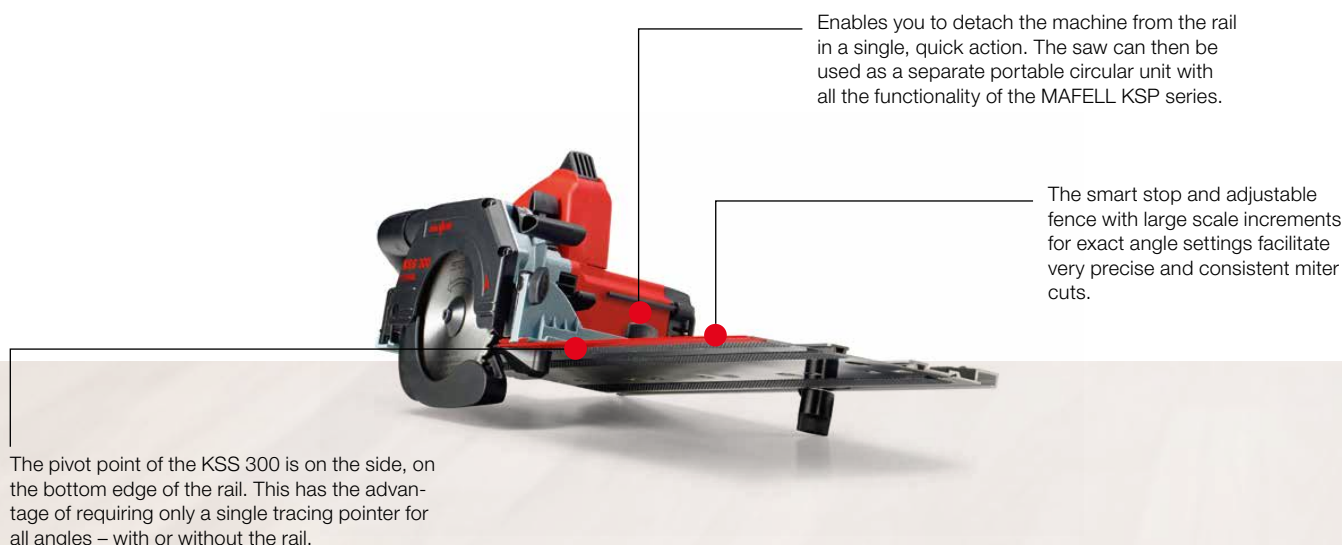


Tilting baseplate P-SP
bis +/-45° schwenkbar

205446

Cross-Cutting System

KSS 300



Product features

- **Extremely compact and practical design**
- **Ideal for sawing panels**
- **Bevel and miter cuts – quick and easy**

Application area

- Cross cuts with guide
- Rip cuts and cross-cutting
- Plunge cuts, recesses and cutting shadow gaps from 13 mm (1/2 in.)
- Compatible materials include board materials, doors, worktops, parquet and laminate flooring, cladding

Product description

In internal finishing, one thing is key: precision.

Designed for supreme handling, the KSS 40 cross-cutting system therefore focuses on all the key functions for this type of work.

Fastening the portable circular saw to the KSS rail creates a very practical single-handed cross-cutting system for bevel and miter cuts; once the cut has been executed, the saw automatically returns to the starting position.

Offering a maximum cutting depth of 42 mm (1 5/8 in.), the portable circular saw delivers ample power in all situations. Thanks to magnesium die-cast components, this especially neat and lightweight saw weighs only 3.0 kg (5.3 lbs).

The entire, compact sawing system is accommodated in the T-MAX carrying case - it is an ideal tool for shadow gaps, rip, bevel, plunge and angled cuts, as well as free-hand work.

Technical data

Cutting depth at 0° with guide track	40 mm
Cutting depth at 45° with guide track	27 mm
Cutting depth at 0° without guide track	42 mm
Tilt range	0 – 45°
Cutting length	300 mm
Angle cuts	–45° – +60°
Nominal no-load speed	8800 1/min
Nominal input	900 W
Weight	3.0 kg
Universal motor	230 V / 50 Hz

KSS 300

Delivery specification

Cross-Cutting System KSS 40 MaxiMAX in the T-MAX	916702
Cross-Cutting System KSS 40 MidiMAX in the T-MAX	916701

Delivery scope includes

1 Flexi-Guide rail FX 140	204372
1.4 m with splinter guard (MaxiMAX)	
2 Clamping claws (MaxiMAX)	203773
1 TCT saw blade	092559
120 x 1.2/1,8 x 20 mm, TT, 40 teeth	
for fine cuts in wood	
1 Guide track S, cutting length 292 mm	208169
1 Parallel guide fence	203180
1 Hose connector	203782
1 Allen key 4 mm	093074
1 Mains cable 4 m	087323

PG A
Price list page 4





One system, five saws, one case: the KSS 300 can be used as a cross-cut saw, plunge-cut saw, shadow gap saw or portable circular saw with or without the Flexi-Guide for extra guidance when cutting.



Fastening the portable circular saw to the KSS rail creates a very practical single-handed cross-cutting system.



In combination with the roll-up Flexi-Guide, precise guided cuts up to 1.4 m long can be executed with consummate ease.



Perfect edging: the circular saw's spacers enable you easily to make exact expansion joint cuts with widths from 13 mm (1/2 in.).

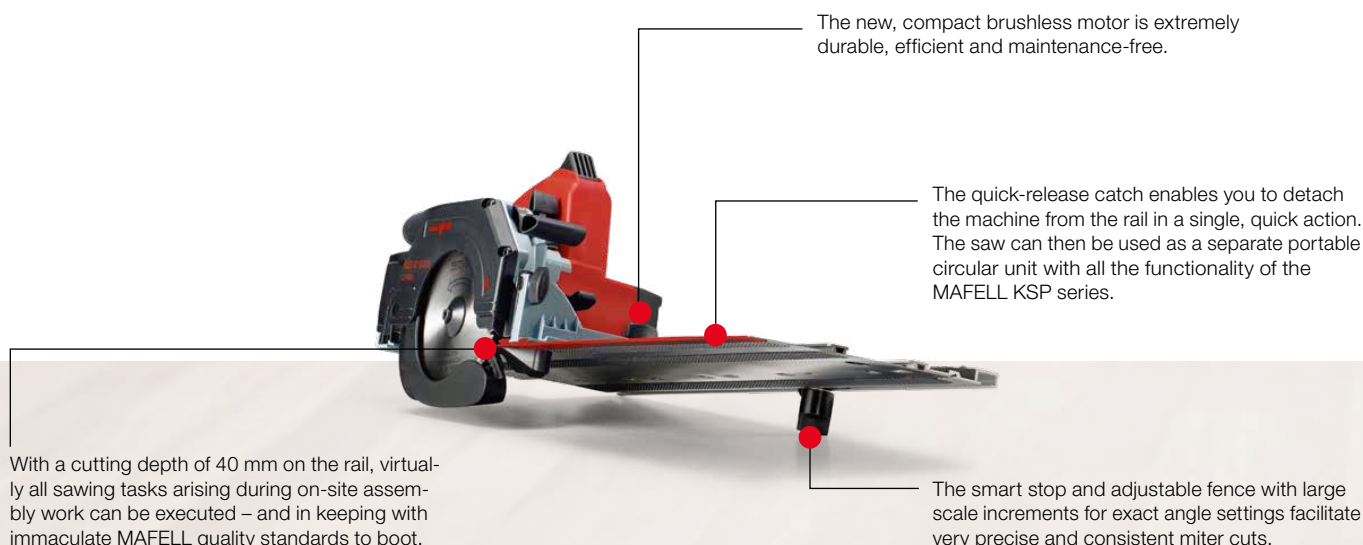
Accessories / Tools

Image	Description	Ref. No.
	Flexi-Guide rail FX 140 1.4 m with splinter guard	204372
	Screw clamp for fixing guide rail to workpiece	207770
	TCT saw blade 120 x 1.2/1.8 x 20 mm AT, 12 teeth for rip cuts in wood	092560
	TCT saw blade 120 x 1.2/1.8 x 20 mm AT, 24 teeth for universal use in wood	092558
	TCT saw blade 120 x 1.2/1.8 x 20 mm FT/TR, 40 teeth for fine cuts in wood	092559
	TCT saw blade 120 x 1.2/1.8 x 20 mm TT, 40 teeth for laminates	092578
	Guide track S cutting length 292 mm	208169

Image	Description	Ref. No.
	Dust bag	206787

Cordless Cross-Cutting System

KSS 40 18M bl



With a cutting depth of 40 mm on the rail, virtually all sawing tasks arising during on-site assembly work can be executed – and in keeping with immaculate MAFELL quality standards to boot.

Product features

- With modern 18 V battery technology
- Extremely compact and practical design
- Bevel and miter cuts - quick and easy

Application area

- Cross cuts with guide
- Rip cuts and cross-cutting
- Plunge cuts, recesses and cutting shadow gaps from 13 mm (1/2 in.)
- Compatible materials include board materials, doors, worktops, parquet and laminate flooring, solid wood

Product description

We have not reinvented cross-cutting – but we have made it easier and more portable. And with the new KSS 40 18M bl, we have even added a battery: one that delivers what it promises - innovative battery technology for maximum performance.

When it comes to internal finishing work, work the KSS40 18M bl is the tool of choice, whatever the task is, whatever the task in hand: be it for floors, walls, doors, furniture, ceilings or roof battens – to make cross or rip cuts, rail-guided cuts, miter or compound miter cuts at angles up to 45°, or even plunge cuts.

Backed by 25 years of experience, it takes cross-cutting system technology to the next development level with the addition of state-of-the-art battery technology.

Technical data

Cutting depth at 0° with guide track	40 mm
Cutting depth at 45° with guide track	27 mm
Cutting depth at 0° without guide track	42 mm
Tilt range	0 – 45°
Cutting length	300 mm
Angle cuts	–45° – +60°
Nominal no-load speed	6700 1/min
Weight with guide rail	3,55 kg
Battery	18 V, 94 Wh, LiHD

KSS 40 18M bl

Delivery specification

Cordless Cross-Cutting System KSS 40 18M bl PURE in T-MAX	91D502
Cordless Cross-Cutting System KSS 40 18M bl in T-MAX	91D501

Delivery scope includes

1 Flexi-Guide rail FX 140 (only 91D501)	204372
1.4 m with splinter guard	
2 Clamping claws (only 91D501)	203773
1 TCT saw blade	092558
120 x 1,2 / 1,8 x 20 mm, Z 24, AT,	
for fine cuts in wood	
1 Guide track S, max. cutting length 292 mm	208169
1 Parallel guide fence	203180
1 Hose connector	203782
2 Battery PowerTank 18M 99 (only 91D501)	094503
1 Battery PowerStation APS M (only 91D501)	094492
1 Dust Bag	206787

PG A
Price list page 4





One system, five saws, one case: the KSS 40 18M BI can be used as a cross-cut saw, plunge-cut saw, shadow gap saw or portable circular saw with or without the Flexi-Guide for extra guidance when cutting.



Fastening the portable circular saw to the KSS rail creates a very practical single-handed cross-cutting system.



In combination with the roll-up Flexi-Guide, precise guided cuts up to a length of 1.4 m can be executed with consummate ease.



Perfect edging: the circular saw's spacers enable you easily to make exact expansion joint cuts with widths from 13 mm (1/2 in.).

Accessories / Tools

Image	Description	Ref. No.	Image	Description	Ref. No.
	Flexi-Guide rail FX 140 1.4 m with splinter guard	204372		Akku-PowerStation APS M 18 V	094492
	Screw clamp for fixing guide rail to workpiece	207770		Akku-PowerStation APS M+ Schnell-Ladegerät	094509
	TCT saw blade 120 x 1.2/1.8 x 20 mm AT, 24 teeth for universal use in wood	092558		Guide track S cutting length 292 mm	208169
	TCT saw blade 120 x 1.2/1.8 x 20 mm TT, 40 teeth for fine cuts in wood	092559		Dust bag	206787
	TCT saw blade 120 x 1.2/1.8 x 20 mm AT, 12 teeth for rip cuts in wood	092560		Power-Set 1 2X 18 M 72 LIHD + APS M	209596
	TCT saw blade 120 x 1.2/1.8 x 20 mm TT, 40 teeth for laminates	092578		Power-Set 2 2x 18 M 99 LIHD + APS M	209599
	Akku-PowerTank			Power-Set 3 2x 18 M 144 LIHD + APS M+	209598
	18 M 72 LIHDX LI-ION (118V, 72 WH (LIHDX))	094523		Power-Set 4 2 X 18 M 144 LIHDX + APS M+	212615
	18 M 99 LIHD LI-ION (18V, 99 WH (LIHD))	094503			
	18 M 144 LIHD LI-ION (18V, 144 WH (LIHD))	094498			
	18 M 144 LIHDX LI-ION , 18V, 144 WH (LIHDX)	094520			

Cross-Cutting System

KSS 50 cc

The machine can be detached from the cross-cutting track at the push of a button for use just like the K 55.

The rubberized underside ensures a good grip while working and avoids damage to the surface.

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°.

Bright LEDs illuminate a large working area.

Product features

- **Cutting depth up to 58 mm (2 5/16 in.)**
- **Plunge Cut System with FLIPPKEIL**
- **Precise angle and miter cuts**

Application area

- Cross cuts with guide
- Rip cuts and cross-cutting
- Plunge cuts and recesses
- Compatible materials include solid wood, board materials, insulating materials, doors, worktops and internal finishing and renovation materials

Product description

With their low weight and cutting depths of up to 52 mm (2 1/16 in.) on the track, MAFELL's new, powerful cross-cutting systems are making a big impact when it comes to interior work, for example.

Once the cut has been executed, the saw automatically returns to the starting position. The maximum cutting length, exploiting the full cutting depth, is 407 mm (16 in.).

It is no longer necessary to unscrew the riving knife – the FLIPPKEIL offers you optimum user-friendliness and safety when plunge cutting.

Technical data

Cutting depth at 0° with guide track
Cutting depth at 45° with guide track
Cutting depth at 0° without guide track
Cutting depth at 45° without guide track
Tilt range
Cutting length
Angle cuts
Nominal no-load speed
Nominal input
Extraction connection diameter
Weight with guide rail
Universal motor

KSS 50 cc

0 – 52 mm
0 – 42 mm
0 – 58 mm
0 – 48 mm
0 – 45°
407 mm
–60° – +60°
5700 1/min
1300 W
35 mm
5.4 kg
230 V/50 Hz

Delivery specification

Cross-Cutting System KSS 50 cc 918901
Cross-Cutting System KSS 50 cc in carrying case 918902

Delivery scope includes

1 TCT saw blade 092480
168 x 1.2/1.8 x 20 mm, Z 32, AT,
for fine cuts in wood
1 Guide track M max. cutting length 400 mm 208170
1 Allen key 5 mm 093034
1 Mains cable 4 m 087323

PG A
Price list page 4





One-stop solution: in view of the saw's connection to the guide track, this is the world's first and only single-handed cross-cutting system.



The highly graduated scale permits very precise angle setting.



The smart stop and adjustable fence allow the saw to be used for angle cuts from 0° to 60° in either direction.



Thanks to the generously-sized angle scale, miter cuts always ensure a perfect fit – as seen here with exterior cladding.

Accessories / Tools

Image	Description	Ref. No.
	Guide rail	
	F 80 , 0.8 m long	204380
	F 110 , 1.1 m long	204381
	F 160 , 1.6 m long	204365
	F 210 , 2.1 m long	204382
	F 310 , 3.1 m long	204383
	Connecting piece F-VS for joining two guide rails	204363
	Angle fence F-WA	205357
	Suction clamping system Aeroxfix F-AF 1 suction clamping system with 1.3 m rail, adapters for above and under-nest rail, flexible hose	204770
	Flexible hose FXS 1000MM up to 3.2 m long	205276
	Guide pocket TZ-FST1600 for guide rails up to 1.6 m	095257
	Guide pocket set: 2 X F 160 + F-VS + 2 X F-SZ 180 MM + TZ-FST1600	209591
	Guide pocket set: F 80 + F 160 + F-WA + F-VS + 2 X F-SZ 180MM + TZ-FST1600	209592
	End cap F-EK 2 pieces	205400
	Non-slip profile F-HP 6.8M 6.8 m long	204376
	Splinter guard F-SS 3.4M 3.4 m long	204375
	Screw clamp F-SZ 180MM for fixing guide rail to workpiece, 2 pieces	205399

Image	Description	Ref. No.
	Carrying case with insert	204240
	Guide track M cutting length 400 mm	208170
	Guide track ML cutting length 770 mm	204378
	Parallel guide fence K55-PA with wing screws	206825
	Roller edge guide MF-UA	206073
	TCT saw blade 168 x 1.2/1.8 x 20 mm 16 teeth, AT, for rip cuts in wood	092476
	TCT saw blade 168 x 1.2/1.8 x 20 mm 24 teeth, AT, for universal use in wood	092478
	TCT saw blade 168 x 1.2/1.8 x 20 mm 32 teeth, AT, for fine cuts in wood	092480
	TCT saw blade 168 x 1.2/1.8 x 20 mm 56 teeth, AT, for rip cuts in wood	092482
	Dust bag	206921

Cordless Cross-Cutting System

KSS 50 18M bl



Bright LEDs illuminate a large working area.

Unprecedented flexibility – the cross-cutting system with the latest 18 V lithium-ion technology gives professional users independence from the mains power supply.

The machine can be detached from the cross-cutting track at the push of a button for use just like the K 55.

Product features

- Cutting depth up to 58 mm (2 5/16 in.)
- Portable 18 V LiHD technology
- Precise angle and miter cuts

Application area

- Cross cuts with guide
- Rip cuts and cross-cutting
- Plunge cuts and recesses
- Compatible materials include solid wood, board materials, insulating materials, doors, worktops and internal finishing and renovation materials

Product description

With their low weight and cutting depths of up to 52 mm (2 1/16 in.) on the track, MAFELL's new, powerful cross-cutting systems are making a big impact when it comes to interior work, for example.

Once the cut has been executed, the saw automatically returns to the starting position. The maximum cutting length, exploiting the full cutting depth, is 407 mm (16 in.).

Sheer power and high torque take on a whole new meaning with the new high-output CUprex motor. It offers performance-optimized digital electronics and newly developed control technology. Its speed is continuously variable according to the nature of the material and application.

It is no longer necessary to unscrew the riving knife – the FLIPPKEIL offers you optimum user-friendliness and safety when plunge cutting.

Technical data

Cutting depth at 0° with guide track	0 – 52 mm
Cutting depth at 45° with guide track	0 – 42 mm
Cutting depth at 0° without guide track	0 – 58 mm
Cutting depth at 45° without guide track	0 – 48 mm
Tilt range	0 – 45°
Cutting length	407 mm
Angle cuts	–60° – +60°
Nominal no-load speed	4450 1/min
Extraction connection diameter	35 mm
Weight with guide rail	5.7 kg
Battery	18 V, 94 Wh, LiHD

KSS 50 18M bl

Delivery specification

Cordless Cross-Cutting System KSS 50 18M bl PURE	91D702
in carrying case	
Cordless Cross-Cutting System KSS 50 18M bl	91D701
in carrying case	

Delivery scope includes

1 TCT saw blade	092480
168 x 1.2/1.8 x 20 mm , Z 32, AT, for fine cuts in wood	
2 Akku-PowerTank 18 M 99 (only 91D701)	094503
18 V, 99 Wh, LiHD	
1 Akku-PowerStation APS M (only 91D701)	094492
1 Guide track M max. cutting length 400 mm	208170
1 Allen key 5 mm	093034
1 Dust bag	206921

PG A
Price list page 4





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.



The highly graduated scale permits very precise angle setting.



The smart stop and adjustable fence allow the saw to be used for angle cuts from 0° to 60° in either direction.



Thanks to the generously-sized angle scale, miter cuts always ensure a perfect fit – as seen here with exterior cladding.

Accessories / Tools

Image	Description	Ref. No.
	Guide rail	
	F 80 , 0.8 m long	204380
	F 110 , 1.1 m long	204381
	F 160 , 1.6 m long	204365
	F 210 , 2.1 m long	204382
	F 310 , 3.1 m long	204383
	Connecting piece F-VS for joining two guide rails	204363
	Angle fence F-WA	205357
	Suction clamping system Aerofix F-AF 1 suction clamping system with 1.3 m rail, adapters for above and under-rail, flexible hose	204770
	Flexible hose FXS 1000MM up to 3.2 m long	205276
	Guide pocket TZ-FST1600 for guide rails up to 1.6 m	095257
	Guide pocket set: 2 X F 160 + F-VS + 2 X F-SZ 180 MM + TZ-FST1600	209591
	Guide pocket set: F 80 + F 160 + F-WA + F-VS + 2 X F-SZ 180MM + TZ-FST1600	209592
	End cap F-EK 2 pieces	205400
	Non-slip profile F-HP 6.8M 6.8 m long	204376
	Splinter guard F-SS 3.4M 3.4 m long	204375
Akku-PowerTank		
	18 M 99 LIHD LI-ION (18V, 99 WH (LIHD))	094503
	18 M 144 LIHD LI-ION (18V, 144 WH (LIHD))	094498
	18 M 144 LIHDX LI-ION, 18V, 144 WH (LIHDX)	094520

Image	Description	Ref. No.
	Battery PowerStation APS M 18 V	094492
	Battery PowerStation APS M+ Quick Charger 18 V	094509
	Screw clamp F-SZ 180MM for fixing guide rail to workpiece, 2 pieces	205399
	Guide track M max. cutting length 400 mm	208170
	Guide track ML max. cutting length 770 mm	204378
	Parallel guide fence K55-PA with wing screws	206825
	Roller edge guide MF-UA	206073
	TCT saw blade 168 x 1.2/1.8 x 20 mm 16 teeth, AT, for rip cuts in wood	092476
	TCT saw blade 168 x 1.2/1.8 x 20 mm 24 teeth, AT, for universal use in wood	092478
	TCT saw blade 168 x 1.2/1.8 x 20 mm 32 teeth, AT, for fine cuts in wood	092480
	TCT saw blade 168 x 1.2/1.8 x 20 mm 56 teeth, AT, for rip cuts in wood	092482
	Dust bag	206921
	Power-Set 2 2x 18 M 99 LiHD + APS M	209599
	Power-Set 3 2x 18 M 144 LiHD + APS M+	209598

Cross-Cutting System

KSS 60 cc



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°.

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.

The rubberized underside ensures a good grip while working and avoids damage to the surface.

Product features

- With **CUprex**, the high-performance motor
- **Plunge Cut System with FLIPPKEIL**

Application area

- Cross cuts with guide
- Rip cuts and cross-cutting
- Plunge cuts and recesses
- Compatible materials include solid wood, board materials, insulating materials, doors, worktops and internal finishing and renovation materials

Product description

With their low weight and cutting depths of up to 60 mm on the track, MAPELL's new, powerful cross-cutting systems are making a big impact when it comes to interior work, for example.

Once the cut has been executed, the saw automatically returns to the starting position. The maximum cutting length, exploiting the full cutting depth, is 408 mm (16 1/16 in.).

Sheer power and high torque take on a whole new meaning with the new high-output CUprex motor. It offers performance-optimized digital electronics and newly developed control technology. Its speed is continuously variable according to the nature of the material and application.

It is no longer necessary to unscrew the riving knife – the FLIPPKEIL offers you optimum user-friendliness and safety when plunge cutting.

Technical data

Cutting depth at 0° with guide track
Cutting depth at 45° with guide track
Cutting depth at 0° without guide track
Cutting depth at 45° without guide track
Tilt range
Cutting length
Angle cuts
Nominal no-load speed
Nominal input
Weight with guide rail
Universal motor

KSS 60 cc

0 – 61 mm
0 – 47 mm
0 – 67 mm
0 – 53 mm
0 – 45°
408 mm
–60° – +60°
2700 – 4700 1/min
1800 W
6,1 kg
230 V/50 Hz

Delivery specification

Cross-Cutting System KSS 60 cc 91B101
Cross-Cutting System KSS 60 cc in carrying case 91B102

Delivery scope includes

1 TCT saw blade 092489
185 x 1,4/2,4 x 20 mm, Z 32, AT,
for fine cuts in wood
1 Parallel guide fence
1 Guide track M cutting length 400 mm 208170
1 Allen key 5 mm 093034
1 Mains cable 4 m 087323

PG A

Price list page 5





One-stop solution: with the cross-cutting system, the machine is permanently attached to the guide track.



The highly graduated scale permits very precise angle setting.



The fixed and adjustable stops on the underside of the rail allow the system to be used for angle cuts from +60° to -60°.



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

Accessories / Tools

Image	Description	Ref. No.
	Guide rail F 80, 0.8 m long	204380
	F 110, 1.1 m long	204381
	F 160, 1.6 m long	204365
	F 210, 2.1 m long	204382
	F 310, 3.1 m long	204383
	Connecting piece F-VS for joining two guide rails	204363
	Angle fence F-WA	205357
	Suction clamping system Aeroxfix F-AF 1 suction clamping system with 1.3 m rail, adapters for above and under-neath rail, flexible hose	204770
	Flexible hose FXS-L up to 3.2 m long	205276
	Guide pocket TZ-FST1600 for guide rails up to 1.6 m	095257
	Guide pocket set: 2 X F 160 + F-VS + 2 X F-SZ 180 MM + TZ-FST1600	209591
	Guide pocket set: F 80 + F 160 + F-WA + F-VS + 2 X F-SZ 180MM + TZ-FST1600	209592
	End cap F-EK 2 pieces	205400
	Non-slip profile F-HP 6.8M 6.8 m long	204376
	Splinter guard F-SS 3.4M 3.4 m long	204375
	Screw clamp F-SZ 180MM for fixing guide rail to workpiece, 2 pieces	207770

Image	Description	Ref. No.
	Guide track M cutting length 400 mm	208170
	Guide track ML cutting length 770 mm	204378
	Roller edge guide MF-UA	206073
	TCT saw blade 185 x 1,4/2,4 x 20 mm, 16 teeth, AT, for ripping in wood	092485
	TCT saw blade 185 x 1,4/2,4 x 20 mm, 24 teeth, AT, for universal use with wood	092487
	TCT saw blade 185 x 1,4/2,4 x 20 mm, 32 teeth, AT, for fine sawing in wood	092489
	TCT saw blade 185 x 1,4/2,4 x 20 mm, 56 teeth, AT, for cross-cutting wood	092491
	Dust bag	206921

Cordless Cross-Cutting System

KSS 60 18M bl



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°.

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.

The rubberized underside ensures a good grip on the work and avoids damage to the surface.

Product features

- **Portable 18 V LiHD CAS-technology**
- **With CUprex, the high-performance motor**
- **Plunge Cut System with FLIPPKEIL**

Application area

- Cross cuts with guide
- Rip cuts and cross-cutting
- Plunge cuts and recesses
- Compatible materials include solid wood, board materials, insulating materials, doors, worktops and internal finishing and renovation materials

Product description

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.

Once the cut has been executed, the saw automatically returns to the starting position. The maximum cutting length, exploiting the full cutting depth, is 408 mm (16 1/16 in.).

Sheer power and high torque take on a whole new meaning with the new high-output CUprex motor. It offers performance-optimized digital electronics and newly developed control technology. Its speed is continuously variable according to the nature of the material and application.

It is no longer necessary to unscrew the riving knife – the FLIPPKEIL offers you optimum user-friendliness and safety when plunge cutting.

Technical data

KSS 60 18 M bl

Cutting depth at 0° with guide track	0 – 61 mm
Cutting depth at 45° with guide track	0 – 47 mm
Cutting depth at 0° without guide track	0 – 67 mm
Cutting depth at 45° without guide track	0 – 53 mm
Tilt range	0 – 45°
Cutting length	408 mm
Angle cuts	–60° – +60°
Nominal no-load speed	3300 1/min
Nominal voltage	18 V
Weight with guide rail	6,6 kg
Battery	18 V, 99 Wh, CAS LiHD

Delivery specification

Cordless Cross-Cutting System KSS 60 18M bl PURE in carrying case	91D902
Cordless Cross-Cutting System KSS 60 18M bl in carrying case	91D901

Delivery scope includes

1 TCT saw blade	092493
185 x 1,2/1,8 x 20 mm, Z 32, AT, Battery ideal for rip cuts and cross-cutting	
2 Battery PowerTank 18 M 99 (only 91D901)	094503
18 V, 99 Wh, LiHD CAS-technology	
1 Battery PowerStation APS 18 (only 91D901)	094492
1 Parallel guide fence	
1 Guide track M max. cutting length 400 mm	208170
1 Allen key 5 mm	093034

PG A
Price list page 5





The battery-powered KSS 60 18 M bl gives you exceptional flexibility and freedom. What's more, the high-performance 18 V battery CAS-technology delivers ample power for a whole range of tasks.



The highly graduated scale permits very precise angle setting.



The fixed and adjustable stops on the underside of the rail allow the system to be used for angle cuts from +60° to -60°.



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

Accessories / Tools

Image	Description	Ref. No.	Image	Description	Ref. No.
	Guide rail F 80, 0.8 m long	204380		Akku-PowerTank 18 M 99 LIHD LI-ION (18V, 99 WH (LIHD))	094503
	F 110, 1.1 m long	204381		18 M 144 LIHD LI-ION (18V, 144 WH (LIHD))	094498
	F 160, 1.6 m long	204365		18 M 144 LIHDX LI-ION, 18V, 144 WH (LIHDX)	094520
	F 210, 2.1 m long	204382		Battery PowerStation APS M 8 V	094492
	F 310, 3.1 m long	204383		Battery PowerStation APS M+ Quick Charger 18 V	094509
	Connecting piece F-VS for joining two guide rails	204363		Guide track M max. cutting length 400 mm	208170
	Angle fence F-WA	205357		Guide track ML max. cutting length 770 mm	204378
	Suction clamping system Aeroxfix F-AF 1 suction clamping system with 1.3 m rail, adapters for above and under-neath rail, flexible hose	204770		Roller edge guide MF-UA	206073
	Flexible hose FXS 1000MM up to 3.2 m long	205276		TCT saw blade 185 x 1,2/1,8 x 20 mm, 16 teeth, AT, Battery ideal, for rip cuts	092494
	Guide pocket TZ-FST1600 for guide rails up to 1.6 m	095257		TCT saw blade 185 x 1,2/1,8 x 20 mm, 32 teeth, AT, Battery ideal, for rip cuts and cross-cutting	092493
	Guide pocket set: 2 X F 160 + F-VS + 2 X F-SZ 180 MM + TZ-FST1600	209591		Dust bag	206921
	Guide pocket set: F 80 + F 160 + F-WA + F-VS + 2 X F-SZ 180MM + TZ-FST1600	209592		Power-Set 2 2x 18 M 99 LiHD + APS M	209599
	End cap F-EK 2 pieces	205400		Power-Set 3 2x 18 M 144 LiHD + APS M+	209598
	Non-slip profile F-HP 6.8M 6.8 m long	204376			
	Splinter guard F-SS 3.4M 3.4 m long	204375			
	Screw clamp F-SZ 180MM for fixing guide rail to workpiece, 2 pieces	207770			

Cross-Cutting System

KSS 80 Ec / 370



The cutting depth is set and locked in a single, quick action.

The quick-release catch enables you to detach the machine from the rail in a single, quick action. The saw can then be used as a separate portable circular unit with all the functionality of the MAFELL KSP series.

The non-slip profile ensures a good grip on the work and avoids damage to the surface.

Product features

- With CUPrex, the high-performance motor
- Free-standing operation without a rest
- Unique, precise height adjustment
- Constant cut display
- Plunge Cut System with FLIPPKEIL

Application area

- Cross cuts with guide
- Rip cuts and cross-cutting
- Plunge cuts and recesses
- Compatible materials include solid wood, board materials, insulating materials, doors, worktops and internal finishing and renovation materials

Product description

The new MAFELL KSS 80 Ec / 370 cross-cutting system combines power and precision with ease of use and ergonomic design. These properties transform the machine into a unique carpentry system.

Once the cut has been executed, the saw automatically returns to the starting position. The maximum cutting length, exploiting the full cutting depth, is 370 mm (14 9/16 in.).

Sheer power and high torque take on a whole new meaning with the new high-output CUPrex motor. It offers performance-optimized digital electronics and newly developed control technology. Its speed is continuously variable according to the nature of the material and application.

It is no longer necessary to unscrew the riving knife – the FLIPPKEIL offers you optimum user-friendliness and safety when plunge cutting.

Technical data

Cutting depth at 0° with guide track	82 mm
Cutting depth at 45° with guide track	55.5 mm
Cutting depth at 0° without guide track	88 mm
Cutting depth at 60° with guide track	0 – 38,5 mm
Tilt range	0 – 60°
Cutting length	370 mm
Angle cuts	–60° – +50°
Nominal no-load speed	2250 – 4400 1/min
Nominal input	2300 W
Weight	8.3 kg
Universal motor	230 V / 50 Hz

KSS 80 Ec / 370

Delivery specification

Cross-Cutting System KSS 80 Ec / 370	918501
--------------------------------------	--------

Delivery scope includes

1 TCT saw blade 237 x 1.8/2.5 x 30 mm, AT, 12 teeth for rip cuts in wood	092590
1 Parallel guide fence	205323
1 Hose connector for chip extraction	205290
1 Allen key 5 mm	093034
1 Guide track L max. cutting length 370 mm	208171
1 Mains cable 4 m	087888

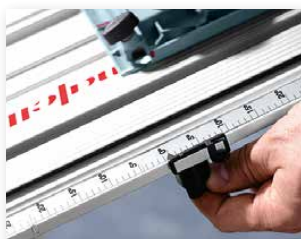
PG A

Price list page 6





One-stop solution: in view of the saw's connection to the guide track, this is the world's first and only single-handed cross-cutting system.



The highly graduated scale permits very precise angle setting.



The fixed and adjustable stops on the underside of the rail allow the system to be used for angle cuts from +50° to -60°.



The KSS 80 Ec / 370 can be detached quickly and easily from the system rail for use as a portable circular saw with all the benefits of the K 85.

Accessories / Tools

Image	Description	Ref. No.
	Guide rail	
	F 80 0.8 m long	204380
	F 110 1.1 m long	204381
	F 160 1.6 m long	204365
	F 210 2.1 m long	204382
	F 310 3.1 m long	204383
	Connecting piece F-VS for joining two guide rails	204363
	Angle fence F-WA	205357
	Suction clamping system Aeroxfix F-AF 1 suction clamping system with 1.3 m rail, adapters for above and under- neath rail, flexible hose	204770
	Flexible hose FXS 1000MM up to 3.2 m long	205276
	Guide pocket TZ-FST1600 for guide rails up to 1.6 m	095257
	Guide pocket set: 2 X F 160 + F-VS + 2 X F-SZ 180 MM + TZ-FST1600	209591
	Guide pocket set: F 80 + F 160 + F-WA + F-VS + 2 X F-SZ 180MM + TZ-FST1600	209592
	End cap F-EK 2 pieces	205400
	Non-slip profile F-HP 6.8M 6.8 m long	204376
	Splinter guard F-SS 3.4M 3.4 m long	204375
	Screw clamp F-SZ 180MM for fixing guide rail to workpiece, 2 pieces	207770

Image	Description	Ref. No.
	Guide track L max. cutting length 370 mm	208171
	Parallel guide fence	205323
	Roller edge guide K 85-UA	205166
	L-MAX	095170
	TCT saw blade 237 x 1.8/2.5 x 30 mm , AT, 12 teeth for rip cuts in wood	092590
	TCT saw blade 237 x 1.8/2.5 x 30 mm , AT, 24 teeth for rip cuts and cross-cutting in wood	092591
	TCT saw blade 237 x 1.8/2.5 x 30 mm , AT, 56 teeth for cross-cutting in wood	092592

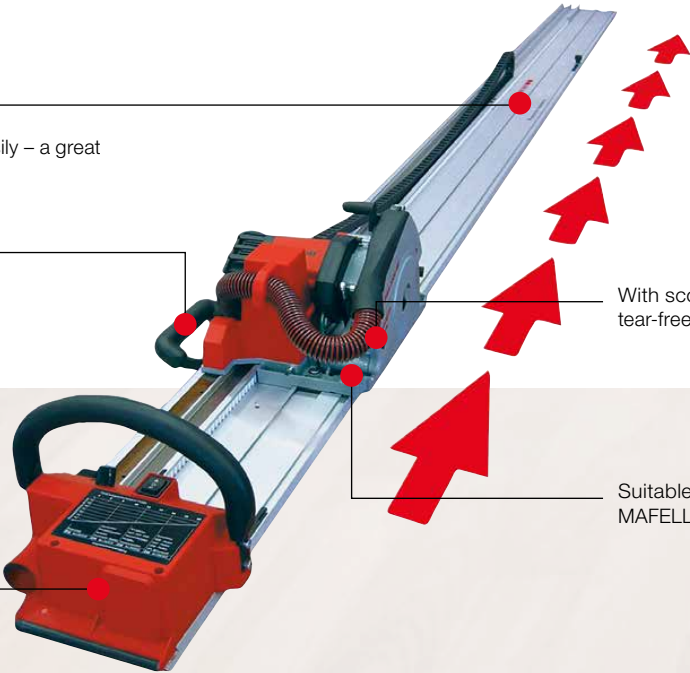
Portable Panel Saw System

PSS 3100 SE

The guide rail can be separated quickly and easily – a great aid to transportation.

Considerable price and handling advantages compared to stationary panel saws.

Follow-on fence for panel formats over 3100 mm (122 1/16 in.).



With scoring function - for perfect tear-free cuts.

Suitable for plunge cuts with the MAFELL-FLIPPKEIL.

Product features

- **Very little dust generation**
- **Portable panel saw system**
- **Suitable for cement-bonded panels**

Application area

- Machining and cutting to size of board materials (e.g. timber frame construction)
- Compatible materials include cement and gypsum fiberboard, plastics, OSB, façade boards, melamine resin panels (Trespa)

Product description

The PSS 3100 SE from MAFELL is the world's first self-driven, rail-guided and mobile panel saw.

Unique design features ensure that hardly any dust escapes during operation. The PSS 3100 SE disposes of an innovative full-size shroud for the saw blade. In conjunction with the integrated suction channel and the S 50 M, it eliminates practically all of the dust particles that occur.

With MAFELL's newly developed diamond saw blade, the PSS 3100 SE is well equipped for use with mineral containing materials including cement fiber panels.

Full-wave electronics with speed adjustment and smooth starting improve safety and allow the speed to be adjusted for various materials, including plastics.

The electronics also ensure constant speed under load and protect the machine against overloading.

Technical data

Cutting depth	0 - 45 mm
Cutting length	3100 mm
Feed rate speed	0.07 – 0.34 m/s
Nominal no-load speed	2600 – 5200 1/min
Nominal input	1490 W
Weight	18.3 kg
Universal motor	230 V/ 50 Hz

PSS 3100 SE

Delivery specification

Portable Panel Saw System PSS 3100 SE	916201
---------------------------------------	--------

Delivery scope includes

1 TCT saw blade 160 x 1.2/1.8 x 20 mm , AT, 24 teeth for universal use in wood	092533
1 Allen key 5 mm	093278
1 Mains cable 4 m	087594

PG A
Price list page 5





Due to the saw feed motor and convenient one-man operation panels can be cut easily and fast.



Setting wheel for speed adjustment for various materials.



The perfect system for all panels from e.f. particle boards up to cement fiber panels.



In conjunction with the integrated suction channel and the S 50 M, it eliminates practically all of the dust particles that occur.

Accessories / Tools

Image	Description	Ref. No.
	Cross fence 1250 mm (2 pieces required)	203353
	Guide rail extension 1600 for cutting length of 1600 mm	203752
	Guide rail extension 2600 for cutting length of 2600 mm	203751
	TCT saw blade 160 x 1.2/1.8 x 20 mm, AT, 16 teeth for fine cuts in wood	092539
	TCT saw blade 160 x 1.2/1.8 x 20 mm, AT, 24 teeth for universal use in wood	092533
	TCT saw blade 160 x 1.2/1.8 x 20 mm, AT, 32 teeth for rip cuts in wood	092552
	TCT saw blade 160 x 1.2/1.8 x 20 mm, FT/TT, 56 teeth for fine cuts in wood	092553

Image	Description	Ref. No.
	TCT saw blade 160 x 1.2/1.8 x 20 mm, FT/TT, 48 teeth for melamine resin panels (Trespa)	092569
	DIA saw blade-set 160 x 2.4/3.0 x 20 mm, 4 teeth, for cement-bonded materials, including riving knife	203640
	Saw blade Dia 160 x 2.4/3.0 x 20 mm, 4 flat/trapezoidal teeth for cement-bonded materials	092474

Plunge-Cut Saw

MT 55 cc

Facility for extremely fine adjustment of the cutting depth setting, e.g. when working with a resharpened blade or with Fermacell.

The MT 55 cc is equipped with a new CUprex-Compact motor for significantly elevated speeds and ample power in reserve.

The cutting depth can be set with millimeter precision. With or without a rail – simply turn the pointer to show the exact cutting depth.

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

The closed saw blade cover and the slide bar at the saw-cut ensure a very low dust formation.



Product features

- Including scoring function, high speed and fine adjustment for greater precision
- Compatible with other track systems
- With the world's fastest and most innovative blade change
- More power thanks to the high-performance
- CUprex compact motor

Application area

- Cross-cutting and rip cuts
- Bevel cuts -1 to +48°
- Plunge cuts
- Compatible materials include solid wood, cement fiberboard, melamine resin panels (Trespa), OSB, gypsum fiberboard, plastics, façade boards and various board materials

Product description

The idea of developing a new plunge-cut saw is not new in itself. The novel aspect of this development, however, was the origination of a unique precision product from a set of especially designed machine components.

The MT 55 cc is a jack of all trades. It can execute plunge, parting, bevel and angled cuts with supreme precision and without any tearing.

The scoring function is quickly activated in a single movement. The MT 55 cc then cuts visible edges as cleanly as a stationary machine, even if the splinter guard is worn.

Continuously variable speed for a variety of materials and sawblades. The cutting depth range has now been extended to 57 mm (2 1/4 in.). Thanks to the innovative tilting system, the options afforded for bevel cuts are practically unlimited as well.

Technical data

Cutting depth	0 – 57 mm
Cutting depth at 45°	0 – 40.5 mm
Tilt range	-1 – 48°
Nominal no-load speed	3600 – 6250 1/min
Nominal input	1400 W
Weight	4.5 kg
Universal motor	230 V / 50 Hz

MT 55 cc

Delivery specification

Plunge-Cut Saw MT 55 cc MaxiMAX in the T-MAX	917603
Plunge-Cut Saw MT 55 cc MidiMAX in the T-MAX	917602

Delivery scope includes

1 TCT sawblade	092584
162 x 1.2/1.8 x 20 mm, AT, 48 teeth for universal use with board materials	
1 Position indicator MT-PA (MaxiMAX)	205398
1 Parallel guide fence (MaxiMAX)	203214
1 Allen key 5 mm	093034
1 Mains cable 4 m	087323

PG A

Price list page 6





The saw is easy to use on other track systems as well.



MAFELL offers the fastest blade change worldwide. Simply press release button and lift lever. Housing opens and allows you to change the blade in a matter of seconds, without any risk of damaging the teeth.



With or without rail – simply turn the pointer to show the exact cutting depth.



The MT 55 cc comes into its own, for example, when executing high-precision plunge cuts in kitchen worktops.

Accessories / Tools

Image	Description	Ref. No.
	Guide rail	
	F 80 0.8 m long	204380
	F 110 1.1 m long	204381
	F 160 1.6 m long	204365
	F 210 2.1 m long	204382
	F 310 3.1 m long	204383
	Connecting piece F-VS for joining two guide rails	204363
	Angle fence F-WA	205357
	Suction clamping system Aerofix F-AF 1 suction clamping system with 1.3 m rail, adapters for above and under-rail, flexible hose	204770
	Flexible hose FXS 1000MM up to 3.2 m long	205276
	Guide pocket TZ-FST1600 for guide rails up to 1.6 m	095257
	Guide pocket set: 2 X F 160 + F-VS + 2 X F-SZ 180 MM + TZ-FST1600	209591
	Guide pocket set: F 80 + F 160 + F-WA + F-VS + 2 X F-SZ 180MM + TZ-FST1600	209592
	End cap F-EK 2 pieces	205400
	Non-slip profile F-HP 6.8M 6.8 m long	204376
	Splinter guard F-SS 3.4M 3.4 m long	204375
	Screw clamp F-SZ 180MM for fixing guide rail to workpiece, 2 pieces	207770
	Position indicator MT-PA	205398

Image	Description	Ref. No.
	Guide fence F-RS	202867
	Parallel guide fence with wind screws	203214
	Roller edge guide K 85-UA	205166
	TCT sawblade 162 x 1.2/1.8 x 20 mm, AT, 48 teeth, for universal use with board materials	092584
	TCT sawblade 160 x 1.2/1.8 x 20 mm, AT, 24 teeth for universal use in wood	092533
	TCT sawblade 160 x 1.2/1.8 x 20 mm, AT, 16 teeth, for rip cuts in wood	092539
	TCT sawblade 160 x 1.2/1.8 x 20 mm, AT, 32 teeth, for fine cuts in wood	092552
	TCT sawblade 160 x 1.8/2.0 x 20 mm, FT/TT, 56 teeth, for fine cuts in wood	092553
	TCT saw blade 160 x 1.2/1.8 x 20 mm, FT/TT, 48 teeth, for melamine resin panels (Trespa)	092569
	Saw blade Dia 160 x 2.4/3.0 x 20 mm, 4 flat/trapezoidal teeth for cement-bonded materials	092474
	Dust bag	206921

Plunge-Cut Saw

MT 55 18M bl

Facility for extremely fine adjustment of the cutting depth setting, e.g. when working with a resharpened blade or with Fermacell.

The MT 55 cc is equipped with a new CUprex-Compact motor for significantly elevated speeds and ample power in reserve.

The cutting depth can be set with millimeter precision. With or without a rail – simply turn the pointer to show the exact cutting depth.

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

The closed saw blade cover and the slide bar at the saw-cut ensure a very low dust formation.

Product features

- Including scoring function, high speed and fine adjustment for greater precision
- Compatible with other track systems
- With the world's fastest and most innovative blade change
- More power thanks to the high-performance
- CUprex compact motor

Application area

- Cross-cutting and rip cuts
- Bevel cuts -1 to +48°
- Plunge cuts
- Compatible materials include solid wood, cement fiberboard, melamine resin panels (Trespa), OSB, gypsum fiberboard, plastics, façade boards and various board materials

Product description

The idea of developing a new plunge-cut saw is not new in itself. The novel aspect of this development, however, was the origination of a unique precision product from a set of especially designed machine components.

The MT 55 18M bl is a jack of all trades. It can execute plunge, parting, bevel and angled cuts with supreme precision and without any tearing.

The scoring function is quickly activated in a single movement. The MT 55 18M bl then cuts visible edges as cleanly as a stationary machine, even if the splinter guard is worn.

Continuously variable speed for a variety of materials and sawblades. The cutting depth range has now been extended to 57 mm (2 1/4 in.). Thanks to the innovative tilting system, the options afforded for bevel cuts are practically unlimited as well.

Technical data

Cutting depth	0 – 57 mm
Cutting depth at 45°	0 – 40.5 mm
Tilt range	-1 – 48°
Nominal no-load speed	3600 – 6250 1/min
Nominal input	1400 W
Weight	4.5 kg
Universal motor	230 V / 50 Hz

MT 55 18M bl

Delivery specification

Plunge-Cut Saw MT 55 18M bl - PURE in the T-MAX	91E002
Plunge-Cut Saw MT 55 18M bl in the T-MAX	91E001

Delivery scope includes

1 TCT sawblade	092584
162 x 1.2/1.8 x 20 mm, AT, 48 teeth for universal use with board materials	
2 Battery PowerTank 18 M 99 LiHD (only 91E001)	094503
18 V, 99 Wh, LiHD	
1 Battery-PowerStation APS M (only 91E001)	094492
1 Position indicator MT-PA (only 91E001)	205398
1 Parallel guide fence (only 91E001)	203214
1 Allen key 5 mm	093034
1 Dust bag	206921

PG A

Price list page 6





The high-performance 18 V lithium-ion battery is processorcontrolled and monitors all the relevant parameters, such as charge and temperature.



MAFELL offers the fastest blade change worldwide. Simply press release button and lift lever. Housing opens and allows you to change the blade in a matter of seconds, without any risk of damaging the teeth.



With or without rail – simply turn the pointer to show the exact cutting depth.



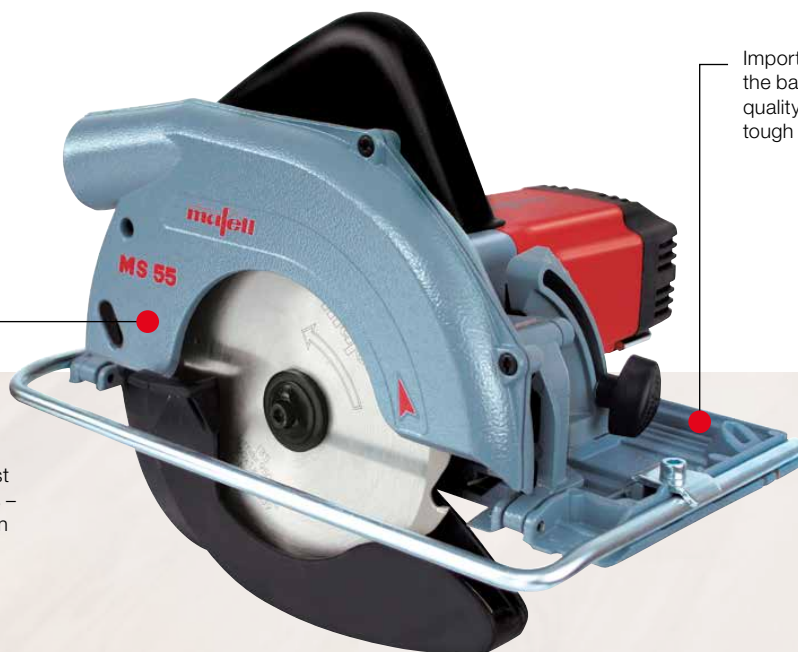
The MT 55 cc comes into its own, for example, when executing high-precision plunge cuts in kitchen worktops.

Accessories / Tools

Image	Description	Ref. No.
	Guide rail	
	F 80 0.8 m long	204380
	F 110 1.1 m long	204381
	F 160 1.6 m long	204365
	F 210 2.1 m long	204382
	F 310 3.1 m long	204383
	Connecting piece F-VS for joining two guide rails	204363
	Angle fence F-WA	205357
	Suction clamping system Aerofix F-AF 1 suction clamping system with 1.3 m rail, adapters for above and under-rail, flexible hose	204770
	Flexible hose FXS 1000MM up to 3.2 m long	205276
	Guide pocket TZ-FST1600 for guide rails up to 1.6 m	095257
	Guide pocket set: 2 X F 160 + F-VS + 2 X F-SZ 180 MM + TZ-FST1600	209591
	Guide pocket set: F 80 + F 160 + F-WA + F-VS + 2 X F-SZ 180MM + TZ-FST1600	209592
	End cap F-EK 2 pieces	205400
	Non-slip profile F-HP 6.8M 6.8 m long	204376
	Splinter guard F-SS 3.4M 3.4 m long	204375
	Screw clamp F-SZ 180MM for fixing guide rail to workpiece, 2 pieces	207770
	Position indicator MT-PA	205398

Image	Description	Ref. No.
	Guide fence F-RS	202867
	Parallel guide fence with wind screws	203214
	Battery PowerTank	
	18 M 99 LiHD , 18 V, 99 Wh	094503
	18 M 144 LiHD , 18 V, 144 Wh	094498
	Battery PowerStation APS M 18 V	094492
	Battery PowerStation APS M+ Quick Charger 18 V	094509
	TCT sawblade 162 x 1.2/1.8 x 20 mm, AT, 48 teeth, for universal use with board materials	092584
	TCT sawblade 160 x 1.2/1.8 x 20 mm, AT, 24 teeth for universal use in wood	092533
	TCT sawblade 160 x 1.2/1.8 x 20 mm, AT, 16 teeth, for rip cuts in wood	092539
	TCT sawblade 160 x 1.2/1.8 x 20 mm, AT, 32 teeth, for fine cuts in wood	092552
	TCT sawblade 160 x 1.8/2.0 x 20 mm, FT/TT, 56 teeth, for fine cuts in wood	092553
	TCT saw blade 160 x 1.2/1.8 x 20 mm, FT/TT, 48 teeth, for melamine resin panels (Trespa)	092569
	Saw blade Dia 160 x 2.4/3.0 x 20 mm, 4 flat/trapezoidal teeth for cement-bonded materials	092474

MS 55



Important machine parts such as the base plate are made of high quality diecast magnesium - for tough use on the construction site.

One of the strongest, most robust portable circular saws in this class – due to its high torque, no operation is too difficult for the MS 55.

Product features

- **Extremely rugged, but very light**
- **Reliable**
- **Bevel cuts up to 45°**

Application area

- Cross and rip cuts in extreme conditions
- Bevel cuts up to 45°
- General building/roof construction works
- Compatible materials include solid wood, timber, planks and boards

Product description

The saw for “tough everyday use” - the MS 55 from MAFELL. Developed for cutting under the toughest of conditions.

Some of the standard features:

- Rugged and indestructible, yet weighs only 3.3 kg
- Like all our portable circular saws, the MS 55 also uses our guide rail system.
- Exact and easy to handle.

Technical data

Cutting depth	10 – 55 mm
Cutting depth at 45°	12 – 42 mm
Tilt range	0 – 45°
Nominal no-load speed	4400 1/min
Nominal input	1100 W
Weight	3.3 kg
Universal motor	230 V / 50 Hz

MS 55

Delivery specification

Portable Circular Saw MS 55	915701
------------------------------------	---------------

Delivery scope includes

1 TCT saw blade	092539
160 x 1.2/1.8 x 20 mm , AT, 16 teeth for rip cuts in wood	
1 Allen key 5 mm	093034
1 Guide bow	203208
1 Mains cable 4 m	087323





Always "on track" with the MS 55 and the MAFELL guide rail system.



The angle can be set exactly and fixed on the scale between 0° and 45°



Instead of the double support, the MAFELL parallel guide fence can be used. This is available as an optional accessory.



The stable solid material bar serves as an additional support and as protection for the user and the machine.

Accessories / Tools

Image	Description	Ref. No.
	Guide rail	
	F 80 0.8 m long	204380
	F 110 1.1 m long	204381
	F 160 1.6 m long	204365
	F 210 2.1 m long	204382
	F 310 3.1 m long	204383
	Connecting piece F-VS for joining two guide rails	204363
	Angle fence F-WA	205357
	Suction clamping system Aerofix F-AF 1 suction clamping system with 1.3 m rail, adapters for above and under-nail, flexible hose	204770
	Flexible hose FXS 1000MM up to 3.2 m long	205276
	Guide pocket TZ-FST1600 for guide rails up to 1.6 m	095257
	Guide pocket set: 2 X F 160 + F-VS + 2 X F-SZ 180 MM + TZ-FST1600	209591
	Guide pocket set: F 80 + F 160 + F-WA + F-VS + 2 X F-SZ 180MM + TZ-FST1600	209592
	End cap F-EK 2 pieces	205400
	Non-slip profile F-HP 6,8M 6.8 m long	204376
	Splinter guard F-SS 3,4M 3.4 m long	204375
	Screw clamp F-SZ 180MM for fixing guide rail to workpiece, 2 pieces	207770

Image	Description	Ref. No.
	Parallel guide fence with wing screws	203214
	Mushroom-shaped handle as additional machine guide, with fixing screw	201451
	TCT saw blade 160 x 1.2/1.8 x 20 mm, AT, 16 teeth, for rip cuts in wood	092539
	TCT saw blade 160 x 1.2/1.8 x 20 mm , AT, 24 teeth, for universal use in wood	092533
	TCT saw blade 160 x 1.2/1.8 x 20 mm , AT, 32 teeth, for fine cuts in wood	092552

Portable Circular Saw

MS 55-18

Dank dem CAS-Akku-System steht einem flexiblen Einsatz anderer Systempartner nichts im Weg.



Wichtige Maschinenteile wie z. B. die Grundplatte sind aus hochwertigem Magnesium-Druckguss - für den harten Einsatz am Bau.

Wie alle unsere Handkreissägen nutzt auch die MS 55-18 unser Führungsschienensystem.

Product features

- **Extremely rugged, but very light**
- **High power reserves**
- **Portable 18 V Li-ion technology**

Application area

- Cross and rip cuts in extreme conditions
- Bevel cuts up to 45°
- General building/roof construction works with portable power supply
- Compatible materials include solid wood, timber, planks and boards

Product description

The MAFELL cordless portable circular saw MS 55-18 offers the functions of MAFELL's familiar mains-operated variants and customary MAFELL quality - as regards not only stability and performance, but also precision.

The saw is compatible with the MAFELL special accessories for the corresponding mainspowered models (e.g. saw blades).

Technical data

Cutting depth	10 - 55 mm
Cutting depth at 45°	12 - 42 mm
Tilt range	0 - 45 °
Nominal No. of strokes – no load	2450 - 5450 1/min
Weight	3,1 kg
Nominal voltage	18 V

Variant

Cordless Portable Circular Saw MS 55-18 PURE	91E909
---	---------------

Delivery specification

1 TCT saw blade Construction Site	092610
160 x 1,2/1,4 x 20mm, Z 32, WZFA	
1 Allen key 5 mm	093034
1 Guide bow	203208

PG A
Price list page 7



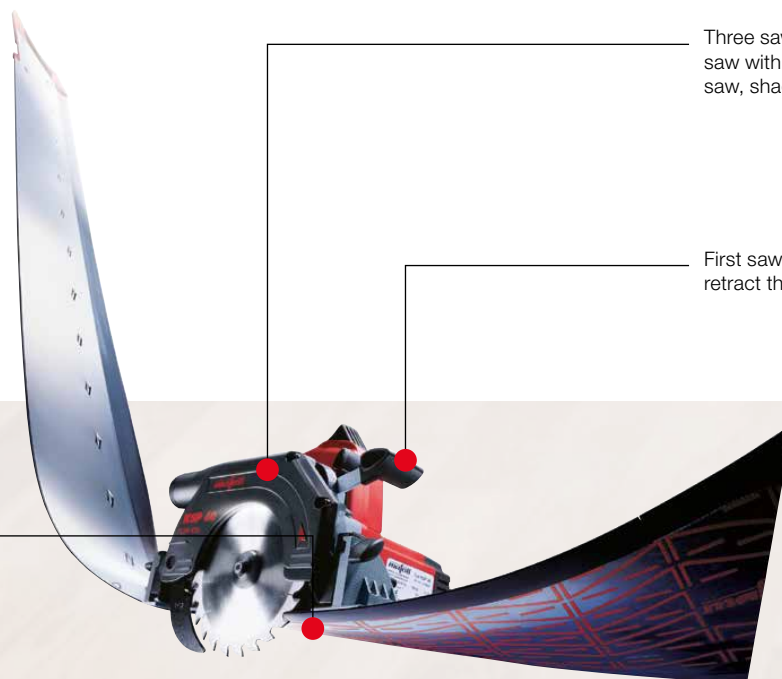
Accessories / Tools

Image	Description	Ref. No.	Image	Description	Ref. No.
	Guide rail F 80 0.8 m long F 110 1.1 m long F 160 1.6 m long F 210 2.1 m long F 310 3.1 m long	204380 204381 204365 204382 204383		Parallel Guide Fence with wing screw	201451
	Connecting piece F-VS for joining two guide rails	204363		Mushroom-shaped handle as additional machine guide, with fixing screw	201451
	Angle fence F-WA	205357		TCT saw blade 160 x 1,2/1,8 x 20 mm, AT, 16 teeth, for rip cuts in wood	092539
	Suction clamping system Aeroxfix F-AF 1 suction clamping system with 1.3 m rail, adapters for above and under- neath rail, flexible hose	204770		TCT saw blade 160 x 1,2/1,8 x 20 mm, Z 24, WZ, For universal use	092533
	Flexible hose FXS 1000MM up to 3.2 m long	205276		TCT saw blade 160 x 1,2/1,8 x 20 mm, Z 32, WZ, For fine cuts	092552
	Guide pocket TZ-FST1600 for guide rails up to 1.6 m	095257		Saw blade KSB-WL 160 GT 160 x 1,2/1,8 x 20 mm, Z 15, WZ/ FZ, For longitudinal cuts, Solid wood panels, laminated wood panel	092601
	Guide pocket set: 2 X F 160 + F-VS + 2 X F-SZ 180 MM + TZ-FST1600	209591		Saw blade KSB-WU 160 GT 160 x 1,2/1,8 x 20 mm, Z 28, WZ/FZ, For universal use	092602
	Guide pocket set: F 80 + F 160 + F-WA + F-VS + 2 X F-SZ 180MM + TZ-FST1600	209592		Saw blade KSB-AL160 160 x 1,2/1,8 x 20 mm, Z 48, 2FZFA,	092605
	End cap F-EK 2 pieces	205400		Saw blade KSB-L160 160 x 1,2/1,8 x 20 mm, Z 46, WZ/FA, For Trespa, HPL lamina- tes and laminates	092606
	Non-slip profile F-HP 6,8M 6.8 m long	204376		Saw blade KSB-AM160 160 x 1,6/2,2 x 20 mm, Z 4, FZ, Cement and gypsum-bonded chipboard and fibreboard	092608
	Splinter guard F-SS 3,4M 3.4 m long	204375		Saw blade KSB-CS160 160 x 1,2/1,4 x 20 mm, Z 32, WZ/ FA, For universal use	092610
	Screw clamp F-SZ 180MM for fixing guide rail to workpiece, 2 pieces	207770			
	Guide fence	202867		Battery power sets can be found on page 43.	

KSP 40 Flexistem



Eumacop
Innovation Prize
2003



Three saws in one: portable circular saw with pivoting guard, plunge-cut saw, shadow gap saw.

First saw in its class with a lever to retract the pivoting guard.

Pivot point alongside rail. Only one marking pointer irrespective of angle and with or without rail.

Product features

- **Mobile with Flexi-Guide**
- **Shadow gaps with a gap width of 13 mm (1/2 in.) and above**
- **Plunge-Cut System with FLIPPKEIL**
- **Compact package in space-saving MAFELL-MAX**

Application area

- Rip cuts and cross-cutting
- Bevel cuts up to 45°
- Plunge cuts
- Shadow gaps from 13 mm (1/2 in.)
- Compatible materials include board materials, doors, worktops, lathing, cladding and internal finishing and renovation materials

Product description

The KSP 40 Flexistem is a unique portable sawing system comprising a 40-series circular saw and a compact guide rail in a practical carrying case. The benefits to joiners, carpenters and interior decorators are self-evident:

This box of tricks contains everything you need when working on site, for cutting panels to size, sawing shadow gaps, and shortening doors. The relevant sawing system is quickly assembled whatever the job. In conjunction with the innovative Flexi-Guide, the compact and rugged KSP 40 Portable Circular Saw provides an ideal solution for practically every type of cut. Supplied together with a practical carrying case, it's an unbeatable combination.

Technical data

Cutting depth off rail	0 – 42 mm
Cutting depth on rail at 45°	0 – 29 mm
Cutting depth on rail	0 – 40 mm
Tilt range	0 – 45°
Flexi-Guide effective length	1400 mm
Nominal no-load speed	8400 1/min
Nominal input	900 W
Weight	2.2 kg
Universal motor	230 V / 50 Hz

KSP 40

Delivery specification

KSP 40 Flexistem in T-MAX	915801
----------------------------------	---------------

Delivery scope includes

1 Flexi-Guide FX 140	204372
1.4 m with splinter guard	
1 TCT saw blade	092558
120 x 1.2/1.8 x 20 mm, AT, 24 teeth	
for universal use in wood	
1 Parallel guide fence	203180
2 Clamping claws	203773
1 Hose connector	203782
1 Mains cable 4 m	087323

PG A
Price list page 7





No problem: shadow gaps with a gap width of 13 mm (1/2 in.) and above.



World first: the special steel guide rail can be rolled up to save space.










A handy machine combined with a guide rail ensure high precision, as shown when cutting doors to length.



Everything you need for the KSP 40 Flexistem is immediately to hand in the practical MAFELL-MAX carrying case.

Accessories / Tools

Image	Description	Ref. No.
	Flexi-Guide rail FX 140 1.4 m with splinter guard	204372
	Screw clamp for fixing guide rail to workpiece	093281
	TCT saw blade 120 x 1.2/1.8 x 20 mm, AT, 24 teeth, for universal use in wood	092558
	TCT saw blade 120 x 1.2/1.8 x 20 mm, AT, 40 teeth, for fine cuts in wood	092559
	TCT saw blade 120 x 1.2/1.8 x 20 mm, AT, 12 teeth, for rip cuts in wood	092560
	Dust bag	206921
	Guide track S max. cutting length 292 mm	208169

Portable Circular Saw

K 55 cc

Healthy working environment – due to a clean workplace and a clear view of the saw blade thanks to optimal dust extraction with the MAFELL Dust Extractors.

Bright LEDs illuminate a large working area.

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

With the groove in the base plate, the portable circular saw can be used as a cross-cutting system. The guide device is required for this.



Product features

- Cutting depth up to 58 mm (2 5/16 in.)
- Rail for guided sawing
- With new tilting system of 45° for more cutting depth
- Lightweight

Application area

- Cross-cutting and rip cuts
- Bevel cuts up to 45°
- Plunge cuts
- Compatible materials include solid wood, boards, planks and various board materials

Product description

With the compact and ultra-performing K 55 cc, you can achieve superb quality cuts at depths of up to 58 millimeters – and this from a portable circular saw with the best power-to-weight ratio in its class.

It is no longer necessary to unscrew the riving knife – the FLIPPKEIL offers you optimum user-friendliness and safety when plunge cutting.

Sheer power and high torque take on a whole new meaning with the new high-output CUPrex motor. It offers performance-optimized digital electronics and newly developed control technology.

Technical data

Cutting depth at 0°
Cutting depth at 45°
Tilt range
Nominal no-load speed
Nominal input
Extraction connection diameter
Weight
Universal motor

K 55 cc

0 – 58 mm
0 – 48 mm
0 – 45°
5700 1/min
1300 W
35 mm
4.1 kg
230 V/50 Hz

Delivery specification

Portable Circular Saw K 55 cc	918001
Portable Circular Saw K 55 cc in the T-MAX	918002

Delivery scope includes

1 TCT saw blade 168 x 1.2/1.8 x 20 mm , Z 24, AT, for universal use in wood	092478
1 Allen key 5 mm	093034
1 Mains cable 4 m	087323

PG A
Price list page 7





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.



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



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

Accessories / Tools

Image	Description	Ref. No.
	Guide rail	
	F 80 , 0.8 m long	204380
	F 110 , 1.1 m long	204381
	F 160 , 1.6 m long	204365
	F 210 , 2.1 m long	204382
	F 310 , 3.1 m long	204383
	Connecting piece F-VS for joining two guide rails	204363
	Angle fence F-WA	205357
	Suction clamping system Aeroxfix F-AF 1 suction clamping system with 1.3 m rail, adapters for above and under-neath rail, flexible hose	204770
	Flexible hose FXS 1000MM up to 3.2 m long	205276
	Guide pocket TZ-FST1600 for guide rails up to 1.6 m	095257
	Guide pocket set: 2 X F 160 + F-VS + 2 X F-SZ 180 MM + TZ-FST1600	209591
	Guide pocket set: F 80 + F 160 + F-WA + F-VS + 2 X F-SZ 180MM + TZ-FST1600	209592
	End cap F-EK 2 pieces	205400
	Guide track M max. cutting length 400 mm	208170
	Guide track ML max. cutting length 770 mm	204378
	Non-slip profile F-HP 6.8M 6.8 m long	204376
	Splinter guard F-SS 3.4M 3.4 m long	204375

Image	Description	Ref. No.
	Screw clamp F-SZ 180MM for fixing guide rail to workpiece, 2 pieces	205399
	Parallel guide fence K55-PA with wing screws	206825
	Roller edge guide MF-UA	206073
	TCT saw blade 168 x 1.2/1.8 x 20 mm 16 teeth, AT, for rip cuts in wood	092476
	TCT saw blade 168 x 1.2/1.8 x 20 mm 24 teeth, AT, for universal use in wood	092478
	TCT saw blade 168 x 1.2/1.8 x 20 mm 32 teeth , AT, for fine cuts in wood	092480
	TCT saw blade 168 x 1.2/1.8 x 20 mm 56 teeth, AT, for cross-cutting wood	092482
	Dust bag	206921

Cordless Portable Circular Saw

K 55 18M bl

Healthy working environment – due to a clean workplace and a clear view of the saw blade thanks to optimal dust extraction with the MAFELL Dust Extractors.



Bright LEDs illuminate a large working area.

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

With the groove in the base plate, the portable circular saw can be used as a cross-cutting system. The guide device is required for this.

Product features

- Cutting depth up to 58 mm (2 5/16 in.)
- Portable 18 V LiHD CAS-technology
- With new tilting system of 45° for more cutting depth

Application area

- Cross-cutting and rip cuts
- Bevel cuts up to 45°
- Plunge cuts
- Compatible materials include solid wood, boards, planks and various board materials

Product description

With the compact and ultra-performing K 55, you can achieve superb quality cuts at depths of up to 58 millimeters – and this from a portable circular saw with the best power-to-weight ratio in its class.

It is no longer necessary to unscrew the riving knife – the FLIPPKEIL offers you optimum user-friendliness and safety when plunge cutting.

Sheer power and high torque take on a whole new meaning with the new high-output CUprex motor. It offers performance-optimized digital electronics and newly developed control technology. Its speed is continuously variable according to the nature of the material and application.

Technical data

Cutting depth at 0°
Cutting depth at 45°
Tilt range
Nominal no-load speed
Nominal input
Extraction connection diameter
Weight
Battery

0 – 58 mm
0 – 48 mm
0 – 45°
5700 1/min
1300 W
35 mm
4.3 kg
18 V, 99 Wh, LiHD

K 55 18M bl

Delivery specification

Cordless Portable Circular Saw K 55 18M bl PURE in the T-MAX 91D602
Cordless Portable Circular Saw K 55 18M bl in the T-MAX 91D601

Delivery scope includes

1 TCT saw blade	092478
168 x 1.2/1.8 x 20 mm , Z 24, AT, for universal use in wood	
2 Battery-PowerTank 18 M 99 (91D601)	094503
18 V, 99 Wh, LiHD	
1 Battery-PowerStation APS M (91D601)	094492
1 Allen key 5 mm	093034
1 Dust bag	206921

PG A
Price list page 8





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.



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



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



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

Accessories / Tools

Image	Description	Ref. No.
	Guide rail	
	F 80 , 0.8 m long	204380
	F 110 , 1.1 m long	204381
	F 160 , 1.6 m long	204365
	F 210 , 2.1 m long	204382
	F 310 , 3.1 m long	204383
	Connecting piece F-VS for joining two guide rails	204363
	Angle fence F-WA	205357
	Guide pocket TZ-FST1600 for guide rails up to 1.6 m	095257
	Guide pocket set: 2 X F 160 + F-VS + 2 X F-SZ 180 MM + TZ-FST1600	209591
	Guide pocket set: F 80 + F 160 + F-WA + F-VS + 2 X F-SZ 180MM + TZ-FST1600	209592
	End cap F-EK 2 pieces	205400
	Guide track M max. cutting length 400 mm	208170
	Guide track ML max. cutting length 770 mm	204378
	Screw clamp F-SZ 180MM for fixing guide rail to workpiece, 2 pieces	207770
	Battery PowerTank	
	18 M 99 LiHD , 18 V, 99 Wh	094503
	18 M 144 LiHD , 18 V, 144 Wh	094498
	18 M 144 LiHDX , 18 V, 144 Wh	094520
	Battery PowerStation APS M 18 V	094492
	Battery PowerStation APS M+ Quick Charger 18 V	094509
	Battery PowerStation APS 18M+ Quick Charger 18 V	094439

Image	Description	Ref. No.
	Non-slip profile F-HP 6.8M 6.8 m long	204376
	Splinter guard F-SS 3.4M 3.4 m long	204375
	Parallel guide fence K55-PA with wing screws	206825
	Roller edge guide MF-UA	206073
	TCT saw blade 168 x 1.2/1.8 x 20 mm, 16 teeth, AT, for rip cuts in wood	092476
	TCT saw blade 168 x 1.2/1.8 x 20 mm 24 teeth, AT, for universal use in wood	092478
	TCT saw blade 168 x 1.2/1.8 x 20 mm 32 teeth, AT, for fine cuts in wood	092480
	TCT saw blade 168 x 1.2/1.8 x 20 mm 56 teeth, AT, for cross-cutting wood	092482
	Dust bag	206921
	Power-Set 2 2x 18 M 99 LiHD + APS M	209599
	Power-Set 3 2x 18 M 144 LiHD + APS M+	209598
	Power-Set 4 2x 18 M 144 LiHDX + APS M+	209598

Portable Circular Saw

K 65 cc

Thanks to the unique tilting system, a cutting depth of 53 mm is always available in the angle range from 0° to 45°.



The K 65 cc's cutting depth can be preset and locked in the range from 8 to 67 mm.

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

With the groove in the base plate, the portable circular saw can be used as a cross-cutting system. The guide device is required for this.

Product features

- **Plunge Cut System with FLIPPKEIL**
- **With new tilting system of 45° for more cutting depth**
- **Constant cut display**
- **With CUprex, the high-performance motor**

Application area

- Cross-cutting and rip cuts
- Bevel / compound miter cuts up to 45°
- Birdsmouth cuts
- Plunge cuts
- Chamfers and grooves
- Compatible materials include solid wood, board materials, insulating materials, doors, worktops and internal finishing and renovation materials

Product description

With the compact and ultra-performing K 65 cc, you can achieve superb quality cuts at depths of up to 67 millimeters – 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 model.

It is no longer necessary to unscrew the riving knife – the FLIPPKEIL offers you optimum user-friendliness and safety when plunge cutting.

Sheer power and high torque take on a whole new meaning with the new high-output CUprex motor. It offers performance-optimized digital electronics and newly developed control technology. Its speed is continuously variable according to the nature of the material and application.

Technical data

Cutting depth	0 – 67 mm
Cutting depth at 45°	0 – 53 mm
Tilt range	0 – 45°
Nominal no-load speed	2700 – 4700 1/min
Nominal input	1800 W
Extraction connection diameter	35 mm
Weight	4.7 kg
Universal motor	230 V / 50 Hz

K 65 cc

Delivery specification

Portable Circular Saw K 65 cc	91B001
Portable Circular Saw K 65 cc in the T-MAX	91B002

Delivery scope includes

1 TCT saw blade	092487
185 x 1.4/2.4 x 20 mm, 24 teeth, AT, for universal use in wood	
1 Parallel guide fence	
1 Allen key 5 mm	093034
1 Mains cable 4 m	087323





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.



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



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

Accessories / Tools

Image	Description	Ref. No.
	Guide rail	
	F 80 , 0.8 m long	204380
	F 110 , 1.1 m long	204381
	F 160 , 1.6 m long	204365
	F 210 , 2.1 m long	204382
	F 310 , 3.1 m long	204383
	Connecting piece F-VS for joining two guide rails	204363
	Angle fence F-WA	205357
	Suction clamping system Aerofix F-AF 1 suction clamping system with 1.3 m rail, adapters for above and under-neath rail, flexible hose	204770
	Flexible hose FXS 1000MM up to 3.2 m long	205276
	Guide pocket TZ-FST1600 for guide rails up to 1.6 m	095257
	Guide pocket set: 2 X F 160 + F-VS + 2 X F-SZ 180 MM + TZ-FST1600	209591
	Guide pocket set: F 80 + F 160 + F-WA + F-VS + 2 X F-SZ 180MM + TZ-FST1600	209592
	Guide track M max. cutting length 400 mm	208170
	Guide track ML max. cutting length 770 mm	204378
	End cap F-EK 2 pieces	205400
	Non-slip profile F-HP 6,8M 6.8 m long	204376
	Splinter guard F-SS 3,4M 3.4 m long	204375

Image	Description	Ref. No.
	Screw clamp F-SZ 180MM for fixing guide rail to workpiece, 2 pieces	205399
	Parallel guide fence K55-PA with wing screws	206825
	Roller edge guide MF-UA	206073
	TCT saw blade 185 x 1.4/2.4 x 20 mm 16 teeth, AT, for ripping in wood	092485
	TCT saw blade 185 x 1.4/2.4 x 20 mm 24 teeth, AT, for universal use with wood	092487
	TCT saw blade 185 x 1.4/2.4 x 20 mm 32 teeth, AT, for fine sawing in wood	092489
	TCT saw blade 185 x 1.4/2.4 x 20 mm 56 teeth, AT, for cross-cutting wood	092491
	Dust bag	206921

Cordless Portable Circular Saw

K 65 18 M bl

Thanks to the unique tilting system, a cutting depth of 53 mm is always available in the angle range from 0° to 45°.



The K 65 cc's cutting depth can be preset and locked in the range from 8 to 67 mm.

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

With the groove in the base plate, the portable circular saw can be used as a cross-cutting system. The guide device is required for this.

Product features

- **Plunge Cut System with FLIPPKEIL**
- **With new tilting system of 45° for more cutting depth**
- **Constant cut display**
- **Portable 18 V LiHD CAS-technology**

Application area

- Cross-cutting and rip cuts
- Bevel / compound miter cuts up to 45°
- Birdsmouth cuts
- Plunge cuts
- Chamfers and grooves
- Compatible materials include solid wood, board materials, insulating materials, doors, worktops and internal finishing and renovation materials

Product description

With the compact and ultra-performing K 65 18 M bl, you can achieve superb quality cuts at depths of up to 67 millimeters – 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 model.

It is no longer necessary to unscrew the riving knife – the FLIPPKEIL offers you optimum user-friendliness and safety when plunge cutting.

Sheer power and high torque take on a whole new meaning with the new high-output CUprex motor. It offers performance-optimized digital electronics and newly developed control technology. Its speed is continuously variable according to the nature of the material and application.

Technical data

Cutting depth	0 – 67 mm
Cutting depth at 45°	0 – 53 mm
Tilt range	0 – 45°
Nominal no-load speed	4450 1/min
Nominal input	1800 W
Extraction connection diameter	35 mm
Weight	4.7 kg
Battery	18 V, 99 Wh, LiHD

K 65 18 M bl

Delivery specification

Portable Circular Saw K 65 18 M bl PURE in the T-MAX	91D802
Portable Circular Saw K 65 18 M bl in the T-MAX	91D801

Delivery scope includes

1 TCT saw blade	092493
185 x 1.4/2.4 x 20 mm, 16 teeth, AT, Battery Ideal for universal use in wood	
2 Battery-PowerTank 18 M 99 (only 91D801)	094503
18 V, 99 Wh, LiHD	
1 Battery-PowerStation APS M (only 91D801)	094492
1 Parallel guide fence	
1 Allen key 5 mm	093034
1 Dust bag	206921

PG A
Price list page 8





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.



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



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



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

Accessories / Tools

Image	Description	Ref. No.	Image	Description	Ref. No.
	Guide rail			Battery PowerStation APS M	094492
	F 80 , 0.8 m long	204380		18 V	
	F 110 , 1.1 m long	204381		Battery PowerStation APS M+	094509
	F 160 , 1.6 m long	204365		Quick Charger 18 V	
	F 210 , 2.1 m long	204382		Battery PowerStation APS	094439
	F 310 , 3.1 m long	204383		18M+ Quick Charger 18 V	
	Connecting piece F-VS	204363		Splinter guard F-SS 3,4M	204375
	for joining two guide rails			3.4 m long	
	Angle fence F-WA	205357		Non-slip profile F-HP 6,8M	204376
				6.8 m long	
	Guide pocket TZ-FST1600	095257		Parallel guide fence K55-PA	206825
	for guide rails up to 1.6 m			with wing screws	
	Guide pocket set:	209591		Roller edge guide MF-UA	206073
	2 X F 160 + F-VS + 2 X F-SZ 180 MM + TZ-FST1600				
	Guide pocket set:	209592		TCT saw blade	092494
	F 80 + F 160 + F-WA + F-VS + 2 X F-SZ 180MM + TZ-FST1600			185 x 1.2/1.8 x 20 mm, 16 teeth, AT, Battery ideal, for ripping in wood	
	End cap F-EK	205400		TCT saw blade	092493
	2 pieces			185 x 1.2/1.8 x 20 mm, 32 teeth, AT, Battery ideal, for cross-cutting wood	
	Guide track M	208170		Dust bag	206921
	max. cutting length 400 mm				
	Guide track ML	204378		Power-Set 2	209599
	max. cutting length 770 mm			2x 18 M 99 LiHD + APS M	
	Screw clamp F-SZ 180MM	207770		Power-Set 3	209598
	for fixing guide rail to workpiece, 2 pieces			2x 18 M 144 LiHD + APS M+	
	Battery PowerTank			Power-Set 4	209598
	18 M 99 LiHD , 18 V, 99 Wh	094503		2x 18 M 144 LiHDX + APS M+	
	18 M 144 LiHD , 18 V, 144 Wh	094498			
	18 M 144 LiHDX , 18 V, 144 Wh	094520			

K 85 Ec





Thanks to the unique tilting system, the sawblade always cuts directly along the rubber lip, irrespective of the angle setting.



Working close to the edge is facilitated by the K 85-UA roller edge guide. Use the scale marked on the arm to set the spacing.



By retracting blade alongside the second handle, offering up the machine is easy and safe, especially when executing bevel cuts.



The sawblade and pivoting guard can be locked with a single action. This practical solution engages the starting lockout at the same time.

Accessories / Tools

Image	Description	Ref. No.
	Guide rail	
	F 80 , 0.8 m long	204380
	F 110 , 1.1 m long	204381
	F 160 , 1.6 m long	204365
	F 210 , 2.1 m long	204382
	F 310 , 3.1 m long	204383
	Connecting piece F-VS for joining two guide rails	204363
	Angle fence F-WA	205357
	Suction clamping system Aeroxfix F-AF 1 suction clamping system with 1.3 m rail, adapters for above and under-rail, flexible hose	204770
	Flexible hose FXS 1000MM up to 3.2 m long	205276
	Guide pocket TZ-FST1600 for guide rails up to 1.6 m	095257
	Guide pocket set: 2 X F 160 + F-VS + 2 X F-SZ 180 MM + TZ-FST1600	209591
	Guide pocket set: F 80 + F 160 + F-WA + F-VS + 2 X F-SZ 180MM + TZ-FST1600	209592
	Guide track L max. cutting length 370 mm	204378
	End cap F-EK 2 pieces	205400
	Non-slip profile F-HP 6,8M 6.8 m long	204376
	Splinter guard F-SS 3,4M 3.4 m long	204375

Image	Description	Ref. No.
	Screw clamp F-SZ 180MM for fixing guide rail to workpiece, 2 pieces	207770
	Parallel guide fence K 85-PA	205323
	Roller edge guide K 85-UA	205166
	TCT saw blade 237 x 1.8/2.5 x 30 mm , AT, 12 teeth, for rip cuts in wood	092590
	TCT saw blade 237 x 1.8/2.5 x 30 mm , AT, 24 teeth, for rip cuts and cross-cutting	092591
	TCT saw blade 237 x 1.8/2.5 x 30 mm AT, 56 teeth, for cross-cutting in wood	092592
	L-MAX with insert	095170

Cordless Portable Circular Saw

K 85-18



Product features

- With CUPrex, the high-performance motor
- With new tilting system of 60° for more cutting depth
- Unique, precise height adjustment
- Constant cut display
- Portable 18 V CAS-LiHD technology

Application area

- Cross-cutting and rip cuts
- Bevel/compound miter cuts up to 60°
- Birdsmouth cuts
- Plunge cuts
- Chamfers and grooves
- Compatible materials include solid wood, board materials, insulating materials, doors, worktops and internal finishing and renovation materials

Product description

The K85 / K85-18 saws are perfectly equipped to meet the future challenges of the woodworking trades. Not only in view of their exemplary material and build qualities, but also thanks to their well-conceived userfriendliness and compatible dual-battery technology.

With the MAFELL ErgoBalanceConcept, our portable circular saws are optimized for all types of work. This not only enables precise work, but also optimum ergonomic guidance. This effectively prevents fatigue.

Sheer power and high torque take on a whole new meaning with the high-output CUPrex motor. It offers performance-optimized digital electronics and newly developed control technology. Its speed is continuously variable according to the nature of the material and application.

It is no longer necessary to unscrew the riving knife – the FLIPPKEIL offers you optimum user-friendliness and safety when plunge cutting.

Technical data

	K 85-18
Cutting depth	0 - 88 mm
Cutting depth at 45°	0 - 61,5 mm
Cutting depth at 60°	0 – 44,5 mm
Cutting depth on rail	0 - 82 mm
Tilt range	0 – 60 °
Nominal No. of strokes – no load	2.800 -5.200 1/min
Nominal voltage	2 x 18 V
Battery	18 V, 99 Wh, LiHD
Weight (including battery)	8,1 kg

Delivery specification

Portable Circular Saw K 85-18 PURE in L-MAX	91E302
---	--------

Delivery scope includes

1 TCT saw blade 237 x 1.8/2.5 x 30 mm AT, 12 teeth, for rip cuts in wood	092590
1 Parallel guide fence K 85-PA	205323
1 Allen key 5 mm	093034





An ideal application for guide L is cutting structural timber to length, with a max. cutting depth of 82 mm and a max. cross-cutting length of 370 mm.



Rip cuts with a guide rail or parallel fence and an ample cutting depth. The two high-performance 18 V batteries of the K 85-18 combine to deliver a sustained output of 36 V.



With 2 CAS batteries for exceptional power, independence and thanks to the CAS battery system, nothing stands in the way of flexible use of other system partners.



With the MAFELL ErgoBalanceConcept, our portable circular saws are optimized for all types of work. This not only enables precise work, but also optimum ergonomic guidance.

Accessories / Tools

Image	Description	Ref. No.	Image	Description	Ref. No.
	Guide rail F 80 , 0.8 m long F 110 , 1.1 m long F 160 , 1.6 m long F 210 , 2.1 m long F 310 , 3.1 m long	204380 204381 204365 204382 204383		Screw clamp F-SZ 180MM for fixing guide rail to workpiece, 2 pieces	207770
	Connecting piece F-VS for joining two guide rails	204363		Parallel guide fence K 85-PA	205323
	Angle fence F-WA	205357		Roller edge guide K 85-UA	205166
	Suction clamping system Aeroxfix F-AF 1 suction clamping system with 1.3 m rail, adapters for above and under- neath rail, flexible hose	204770		TCT saw blade 237 x 1.8/2.5 x 30 mm , AT, 12 teeth, for rip cuts in wood	092590
	Flexible hose FXS 1000MM up to 3.2 m long	205276		237 x 1.8/2.5 x 30 mm , AT, 24 teeth, for rip cuts and cross- cutting	092591
	Guide pocket TZ-FST1600 for guide rails up to 1.6 m	095257		237 x 1.8/2.5 x 30 mm, AT, 56 teeth, for cross-cutting in wood	092592
	Guide pocket set: 2 X F 160 + F-VS + 2 X F-SZ 180 MM + TZ-FST1600	209591		L-MAX with insert	095170
	Guide pocket set: F 80 + F 160 + F-WA + F-VS + 2 X F-SZ 180MM + TZ-FST1600	209592		Dust bag	206921
	Guide track L max. cutting length 370 mm	204378		Battery PowerTank 18 M 99 LiHD , 18 V, 99 Wh 18 M 144 LiHD , 18 V, 144 Wh 18 M 144 LiHDX , 18 V, 144 Wh	094503 094498 094520
	End cap F-EK 2 pieces	205400		Battery PowerStation APS M 18 V	094492
	Non-slip profile F-HP 6,8M 6.8 m long	204376		Battery PowerStation APS M+ Quick Charger 18 V	094509
	Splinter guard F-SS 3,4M 3.4 m long	204375		Battery PowerStation APS 18M+ Quick Charger 18 V	094439
				Power-Set 2 2x 18 M 99 LiHD + APS M	209599
				Power-Set 3 2x 18 M 144 LiHD + APS M+	209598

Portable Circular Carpentry Saw

MKS 130 Ec



Product features

- With CUPrex, the high-performance motor
- With new tilting system of 60° for more cutting depth
- Unique, precise height adjustment
- Constant cut display

Application area

- Cross-cutting and rip cuts
- Bevel cuts up to 60°
- General joining work, birdsmouth cuts
- Compatible materials include solid wood, laminated beams, insulating materials, composite boards

Product description

Sheer power and high torque take on a whole new meaning with the high-output CUPrex motor. It offers performance-optimized digital electronics and newly developed control technology. Its speed is continuously variable according to the nature of the material and application.

The saw's handling and behavior are refined by smooth starting, constant speeds under load, speed reduction and overload protection.

The exemplary design of the MKS 130 Ec embraces extremely rugged and high-quality materials, including the lightweight magnesium die-cast housing and impact-resistant, fiber glass-reinforced plastic components. Most of the surfaces that are conventionally exposed to dust or chips have been eliminated.

The MKS 130 Ec satisfies all the requirements that arise in traditional and modern carpentry: cross and rip cuts in wood or insulating materials are easily executed thanks to the availability of appropriate accessories.

Nothing is left to chance as far as safety is concerned: the MKS 130 Ec features a motor brake and a self-closing saw guard. Among the other safety features, the on/off switch has an integrated starting lockout button.

Technical data

Cutting depth	50 – 130 mm
Cutting depth at 45°	37 – 94 mm
Cutting depth at 60°	25 – 65 mm
Tilt range	0 – 60°
Nominal no-load speed	1000 – 2000 1/min
Nominal input	2500 W
Extraction connection diameter	58 mm
Weight	12 kg
Universal motor	230 V/ 50 Hz

MKS 130 Ec

Delivery specification

Portable Circular Carpentry Saw MKS 130 Ec	925401
--	--------

Delivery scope includes

1 TCT saw blade	092571
330 x 2.2/3.2 x 30 mm AT, 24 teeth, for universal use in wood	
1 Parallel guide fence	203853
1 Allen key 6 mm	093081
1 Mains cable 10 m	087612





To enhance precision, the MKS 130 Ec can be used together with a guide rail.



With a tilting range of 60°, the MKS 130 Ec is ideal for compound miter cuts. Even at this angle, the maximum cutting depth remains an impressive 65 mm (2 9/16 in.).



The parallel fence, together with the ample reserve power of the new, high-performance CUprex motor, are further guarantors of precise guidance and clean cuts.



In combination with the S 50 M dust extractor and guide rail, the MKS 130 Ec makes certain of clean and exact cuts, even in problematic insulating materials.

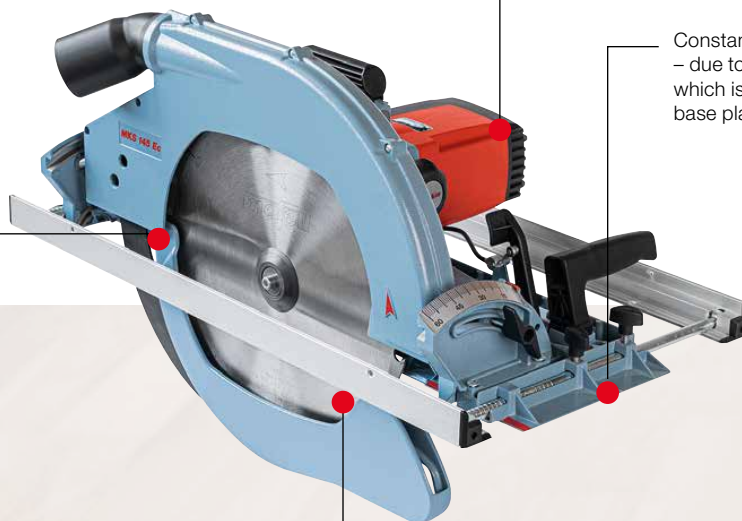
Accessories / Tools

Image	Description	Ref. No.	Image	Description	Ref. No.
	Guide rail F 80, 0.8 m long F 110, 1.1 m long F 160, 1.6 m long F 210, 2.1 m long F 310, 3.1 m long	204380 204381 204365 204382 204383		Adapters (pair) for parallel guide fence	037195
	Connecting piece F-VS for joining two guide rails	204363		TCT saw blade 330 x 2.2/3.2 x 30 mm AT, 24 teeth, for universal use in wood	092571
	Angle fence F-WA	205357		TCT saw blade 330 x 2.2/3.6 x 30 mm AT, 40 teeth, for fine cut in wood	092572
	Guide pocket TZ-FST1600 for guide rails up to 1.6 m	095257		TCT saw blade 330 x 2.2/2.6 x 30 mm AT/FT, 54 teeth, for sandwich boards with metal insert or metal top layers	092579
	Guide pocket set: 2 X F 160 + F-VS + 2 X F-SZ 180 MM + TZ-FST1600	209591			
	Guide pocket set: F 80 + F 160 + F-WA + F-VS + 2 X F-SZ 180MM + TZ-FST1600	209592			
	End cap F-EK 2 pieces	205400			
	Non-slip profile F-HP 6,8M 6.8 m long	204376			
	Splinter guard F-SS 3,4M 3.4 m long	204375			
	Screw clamp F-SZ 180MM for fixing guide rail to workpiece, 2 pieces	207770			
	Guide rail length 3 m (2 pieces with connecting piece)	037037			
	Guide rail length 3 m (one piece)	200672			
	Guide rail extension 2600 length 1.5 m	036553			

Portable Circular Carpentry Saw

MKS 145 Ec / MKS 165 Ec

Continuously variable speed control for individual requirements and applications.



Constant cut display for 0 - 60° – due to exact centre of rotation, which is on the underside of the base plate.

Lower saw guard with remote control – for easy release of the saw blade, e.g. when positioning at sharp angles.

With tool brake – for optimum operator safety and work processes.

Product features

- With CUprex, the new high-performance motor
- Large cutting depths
- Maximum stability with minimum weight
- Tool brake

Application area

- Cross-cutting and rip cuts
- Bevel cuts up to 60°
- General joining work
- Compatible materials include solid wood, laminated beams, insulating materials

Product description

Carpenter's portable circular saws with extraordinary weight/performance ratio. Only possible due to the use of ultra-modern die-cast magnesium alloys.

Tilt through 60° makes the portable circular saws a universal partner.

An easy-to-read scale on the cutting depth adjustment makes work easier and saves tiresome re-measurement.

The saw's handling and behavior are refined by smooth starting, constant speeds under load, speed reduction and overload protection.

The easy-to-use stop system of the MKS and the adjustable hose connector make your work much easier.

Technical data

	MKS 145 Ec	MKS 165 Ec
Cutting depth	65 – 145 mm	85 – 165 mm
Cutting depth at 45°	46 – 102.5 mm	60 – 116.5 mm
Cutting depth at 60°	32 – 72.5 mm	42 – 82.5 mm
Tilt range	0 – 60°	0 – 60°
Nominal no-load speed	1900 – 2300 1/min	1500 – 1800 1/min
Nominal input	2600 W	2800 W
Extraction connection diameter	58 mm	58 mm
Weight	13.8 kg	15.3 kg
Universal motor	230 V/50 Hz	230 V/50 Hz

Delivery specification

Portable Circular Carpentry Saw MKS 145 Ec	924701
Portable Circular Carpentry Saw MKS 165 Ec	924501

Delivery scope includes

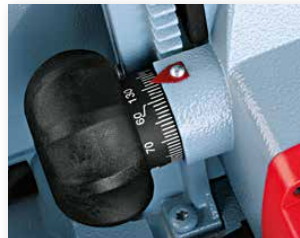
1 TCT saw blade 370 x 2.2/4.2 x 30 mm AT, 26 teeth, for universal use in wood (MKS 145 Ec)	092526
1 TCT saw blade 410 x 2.5/4.2 x 30 mm AT, 28 teeth, for universal use in wood (MKS 165 Ec)	092525
1 Allen key 6 mm	093081
1 Parallel guide fence	
1 Mains cable 10 m	087612

PG B
Price list page 9





Top results, as shown here with the MKS 165 Ec, can only be achieved with original MAFELL tools.



The cutting depth can be adjusted easily via a precise handwheel.



The constant cut display.



The tilt range of 0° – 60° enables extreme bevel cuts.

Accessories / Tools

Image	Description	Ref. No.
	Guide rail	
	F 80 , 0.8 m long	204380
	F 110 , 1.1 m long	204381
	F 160 , 1.6 m long	204365
	F 210 , 2.1 m long	204382
	F 310 , 3.1 m long	204383
	Connecting piece F-VS for joining two guide rails	204363
	Angle fence F-WA	205357
	Guide pocket TZ-FST1600 for guide rails up to 1.6 m	095257
	Guide pocket set: 2 X F 160 + F-VS + 2 X F-SZ 180 MM + TZ-FST1600	209591
	Guide pocket set: F 80 + F 160 + F-WA + F-VS + 2 X F-SZ 180MM + TZ-FST1600	209592
	End cap F-EK 2 pieces	205400
	Non-slip profile F-HP 6.8M 6.8 m long	204376
	Splinter guard F-SS 3.4M 3.4 m long	204375
	Screw clamp F-SZ 180MM for fixing guide rail to workpiece, 2 pieces	207770
	Guide rail length 3 m (2 pieces with connecting piece)	037037
	Guide rail length 3 m (one piece)	200672
	Guide rail extension 2600 length 1,5 m	036553

Image	Description	Ref. No.
	Adapters (pair) for parallel guide fence	037195
	TCT saw blade 370 x 2.2/4.2 x 30 mm AT, 18 teeth, for rip cut in wood (MKS 145 Ec)	092524
	TCT saw blade 370 x 2.2/4.2 x 30 mm AT, 26 teeth, for universal use in wood (MKS 145 Ec)	092526
	TCT saw blade 410 x 2.5/4.2 x 30 mm AT, 20 teeth, for rip cuts in wood (MKS 165 Ec)	092522
	TCT saw blade 410 x 2.5/4.2 x 30 mm AT, 28 teeth, for universal use in wood (MKS 165 Ec)	092525

Portable Circular Carpentry Saw

MKS 185 Ec

High quality standard means lower machine costs and longer service life.

Unique ratio between maximum stability and minimum weight.

With CUprex, the high-performance motor

Constant cut display for 0 - 60° – due to exact centre of rotation, which is on the underside of the base plate.

Product features

- With CUprex, the high-performance motor
- Maximum cutting depths
- Maximum stability with minimum weight
- Tilttable to 60°

Application area

- Cross-cutting and rip cuts
- Bevel cuts up to 60°
- General joining work
- Compatible materials include solid wood, laminated beams, insulating materials, composite boards

Product description

In a class of its own: heavy-duty 3000 Watt (3.8 hp) motor for extreme 185 mm cutting performance!

The saw's handling and behavior are refined by smooth starting, constant speeds under load, speed reduction and overload protection.

The easy-to-use stop system, the low noise emission and the remote-controlled retractable knife guard make your work much easier.

The very smooth-running height adjustment with its clearly legible scale and an effective brake also ensure perfect cutting results and optimum operator safety.

Technical data

Cutting depth	105 – 185 mm
Cutting depth at 45°	74 – 131 mm
Cutting depth at 60°	53 – 93 mm
Tilt range	0 – 60°
Nominal no-load speed	1400 – 1700 1/min
Nominal input	3000 W
Extraction connection diameter	58 mm
Weight	16.1 kg
Universal motor	230 V/50 Hz

MKS 185 Ec

Delivery specification

Portable Circular Carpentry Saw MKS 185 Ec	924801
--	--------

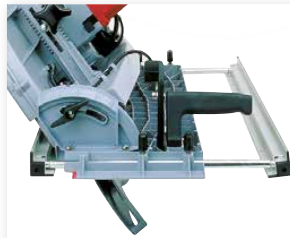
Delivery scope includes

1 TCT saw blade	092536
450 x 2.5/4.2 x 30 mm AT, 20 teeth, for universal use in wood	
1 Allen key 6 mm	093081
1 Parallel guide fence	
1 Mains cable 10 m	087612

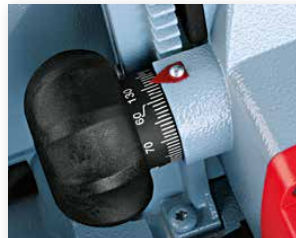




To enhance precision, the MKS 185 Ec can be used together with a guide rail.



With a tilting range of 60°, the MKS 185 Ec is ideal for compound miter cuts. Even at this angle, the maximum cutting depth remains an impressive 65 mm (2 9/16 in.).



The parallel fence, together with the ample reserve power of the new, high-performance CUprex motor, are further and clean cuts.



The tilt range of 0° – 60° enables extreme bevel cuts.

Accessories / Tools

Image	Description	Ref. No.
	Guide rail	
	F 80 , 0.8 m long	204380
	F 110 , 1.1 m long	204381
	F 160 , 1.6 m long	204365
	F 210 , 2.1 m long	204382
	F 310 , 3.1 m long	204383
	Connecting piece F-VS for joining two guide rails	204363
	Angle fence F-WA	205357
	Guide pocket TZ-FST1600 for guide rails up to 1.6 m	095257
	Guide pocket set: 2 X F 160 + F-VS + 2 X F-SZ 180 MM + TZ-FST1600	209591
	Guide pocket set: F 80 + F 160 + F-WA + F-VS + 2 X F-SZ 180MM + TZ-FST1600	209592
	End cap F-EK 2 pieces	205400
	Non-slip profile F-HP 6,8M 6.8 m long	204376
	Splinter guard F-SS 3,4M 3.4 m long	204375
	Screw clamp F-SZ 180MM for fixing guide rail to workpiece, 2 pieces	207770
	Guide rail length 3 m (2 pieces with connecting piece)	037037
	Guide rail length 3 m (one piece)	200672
	Guide rail extension 2600 length 1.5 m	036553

Image	Description	Ref. No.
	Adapters (pair) for parallel guide fence	037195
	TCT saw blade 450 x 2.5/3.8 x 30 mm AT, 12 teeth, for rip cut in wood	092537
	TCT saw blade 450 x 2.5/4.2 x 30 mm AT, 20 teeth, for universal use in wood	092536
	TCT saw blade 450 x 2.5/4.5 x 30 mm AT, 34 teeth, for fine cuts in wood	092538
	TCT saw blade Sandwich 450 x 2.5/3.4 x 30 mm AT/FT, 86 teeth, for sandwich boards with metal insert or metal top layers	092534

ZSX Ec

3000 W CUprex motor, optimized digital electronics and newly developed control technology.

Excellent handling and optimum convenience – thanks to light weight and a built-in start-up lock.

Twin-guide tilt adjustment – for precise angle cuts.

The universal guide support for very precise individual machining operations such as notch and purlin cuts is available as an optional accessory.

Excellent cutting results – thanks to MAFELL special saw chain.



Product features

- With CUprex, the high-performance motor
- Up to 60 °C tilt range on both sides
- Constant cut display

Application area

- Cross-cutting and rip cuts
- Bevel cuts up to 60°
- General joining work
- Compound miter cuts up to 60°
- Compatible materials include solid wood, laminated beams, insulating materials

Product description

MAFELL's unique chain guide system ensures consistent accurate cuts.

The ZSX Ec can be tilted on both sides to 60°. The ability to precisely set a wide range of working angles in opposing directions offers maximum convenience.

The motor's cooling air blows the permanent pointer clean and ensures clear visibility of the mark.

The generously dimensioned and adjustable chip ejector performs extremely efficiently.

Automatic chain lubrication with adjustable speed to eliminate oil spillage on timber.

Like all our portable circular carpentry saws, the ZSX Ec also uses our guide rail system.

Equally adapted for operation by either right-handed or left-handed users. The ergonomically designed handle and switch arrangement always applies the feed pressure at right angles to the support.

Technical data

	ZSX Ec/260	ZSX Ec/400
Cutting depth	260 mm	400 mm
Cutting depth at 45°	184 mm	282 mm
Cutting depth at 60°	130 mm	199 mm
Tilt in both directions	-60 – +60°	-60 – +60°
Nominal no-load speed	3000 – 3600 1/min	3000 – 3600 1/min
Nominal input	3000 W	3000 W
Weight	13.3 kg	14.1 kg
Universal-motor	230 V/50 Hz	230 V/50 Hz

Delivery specification

Carpenter's Chain Saws ZSX Ec/260 HM	925501
Carpenter's Chain Saws ZSX Ec/400 HM	925502
Carpenter's Chain Saws ZSX Ec/400 Q	925503

Delivery scope includes

2 Carbide-tipped fine-cut saw chains HM 260 for ZSX Ec / 260 HM	006968
2 Carbide-tipped fine-cut saw chains HM 400 for ZSX Ec / 400 HM	006972
2 Saw chain 3/8" 400 P for ZSX Ec / 400 Q	006974
1 Parallel guide fence	204591
1 Combination screw driver 6 mm	093272
1 Mains cable 10 m	087612





Superior cut quality with the ZSX Ec.



Highly legible scale. Standard tilt angles can be set quickly and simply by means of the locking function.



Ideal application e.g. for rafter cuts. The universal guide support as an optional accessory.



The ideally positioned soft grip handles ensure maximum user comfort. The on/off switch and starting lockout are integrated in the rear handle.

Accessories / Tools

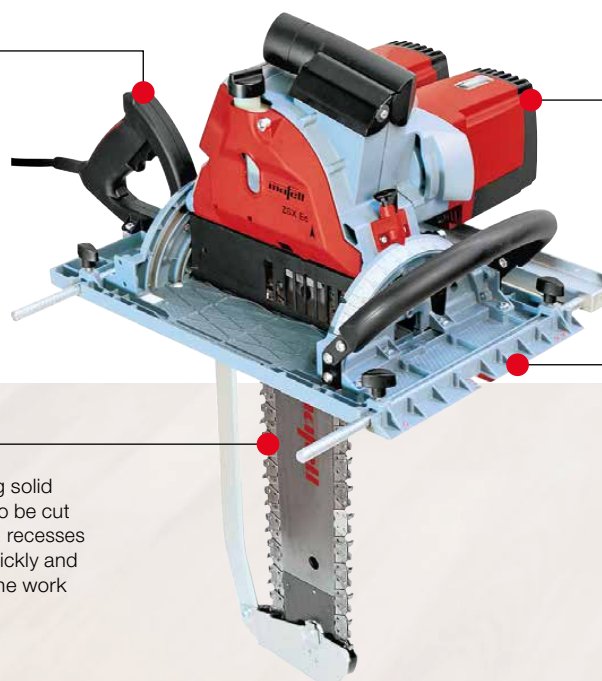
Image	Description	Ref. No.
	Guide rail	
	F 80 , 0.8 m long	204380
	F 110 , 1.1 m long	204381
	F 160 , 1.6 m long	204365
	F 210 , 2.1 m long	204382
	F 310 , 3.1 m long	204383
	Connecting piece F-VS for joining two guide rails	204363
	Angle fence F-WA	205357
	Guide pocket TZ-FST1600 for guide rails up to 1.6 m	095257
	Guide pocket set: 2 X F 160 + F-VS + 2 X F-SZ 180 MM + TZ-FST1600	209591
	Guide pocket set: F 80 + F 160 + F-WA + F-VS + 2 X F-SZ 180MM + TZ-FST1600	209592
	End cap F-EK 2 pieces	205400
	Non-slip profile F-HP 6.8M 6.8 m long	204376
	Splinter guard F-SS 3.4M 3.4 m long	204375
	Screw clamp F-SZ 180MM for fixing guide rail to workpiece, 2 pieces	207770
	Glider For height adjustment when working with a guide rail	206047
	Extraction hose adapter ZSX-AA	207900

Image	Description	Ref. No.
	Guide rail length 3 m (2 pieces with connecting piece)	037037
	Guide rail length 3 m (one piece)	200672
	Guide rail extension 2600 length 1.5 m	036553
	Adapters (pair) for parallel guide fence	037195
	Carpide-tipped fine cut saw chains HM 260 for ZSX Ec / 260 HM	006968
	Carpide-tipped fine cut saw chains HM 400 for ZSX Ec / 400 HM	006972
	Replacement chain HM left	091008
	right	091009
	Saw chain 3/8" 400 P for rip cuts and cross-cutting	006974
	Chain bars 260 HM for 006968	204581
	Chain bars 400 HM for 006972	204582
	Chain bars 400 3/8" for 006974	204583
	Riving knife 260 for 006968	204586
	Riving knife 400 for 006972, 006974	204587
	Sprocket HM for 006968, 006972	204584
	Sprocket 3/8" for 006974	204585
	Universal guide support (compound miter rail)	202069
	Trolley	202110
		202116

Carpenter's Chain Saws

ZSX-TWIN Ec

Despite tremendous nominal output of 6000 Watt, the single-phase ZSX-TWIN Ec weighs just 24,2 kg (53.4 lbs). The low weight-to-power ratio allows the saw to cut as deep as 400 mm (15 3/4 in.).



At the core of the MAFELL ZSX-TWIN Ec are the two 3000-Watt single-phase motors. They run at the same time on two 230 V phases of the three-phase electric power system.

In timber construction and when fitting solid timber walls, corners frequently need to be cut out. Thanks to the vertical cutting edge, recesses and half-lap joints can be produced quickly and exactly. The arduous task of turning the work simply does not arise.

The ZSX pivots from -15° to 60° exactly according to the scale.

Product features

- Equipped with two CUprex motors
- Tilts in both directions

Application area

- Rip cuts and cross-cutting
- Recesses
- Compatible materials include solid wood and laminated beams

Product description

The new ZSX-TWIN Ec carpenter's chain saw is a highly practical tool for large timbers.

By developing a machine with two motors, capable of producing very complex and otherwise laborious work easily and for a perfect fit, MAFELL has taken the chain saw to a new level.

With a nominal output of 3000 Watt, just one CUprex motor already tests the performance limits of the conventional 230 V power supply. Two CUprex motors running at the same time would bring a regular fused domestic power system to its knees. By dividing the load between two circuits, the twin-motor ZSX gets all the power it needs. A three-phase electric power system offers the ideal solution because the phases have separate fuses, so that the supply is not overloaded.

Technical data

Cutting depth	400 mm
Cutting depth at 15°	386 mm
Cutting depth at 30°	346 mm
Cutting depth at 45°	282 mm
Cutting depth at 60°	199 mm
Tilt in both directions	-15° – +60°
Cutting width	6.8 mm
Nominal no-load speed	3600 1/min
Nominal input	2 x 3000 W
Weight	24.2 kg
Universal motor	230 V/50 Hz

ZSX-TWIN Ec

Delivery specification

Carpenter's Chain Saw ZSX-TWIN Ec	961601
-----------------------------------	--------

Delivery scope includes

1 Carbide-tipped ripping chain TWIN HM 400	006977
1 Carbide-tipped fine-cut saw HM 400	006972
1 Trolley ZSX-TWIN Ec	205940
1 Glider for use with guide rail	205934
1 Parallel guide fence	204591
1 Combination screw driver 6 mm	093272
1 Open-ended spanner 13 mm	093008
1 Mains cable 10 m	087612

PG S
Price list page 10





Especially precise, guided cuts are easy to execute because the ZSX-TWIN Ec is compatible with the existing MAFELL guide rail system F.



Perfect height adjustment. The Pertinax glider allows a compensating adjustment to be made for the thickness of the guide rail.



Since a large volume of chips can be produced at cutting depths of up to 400 mm (15 3/4 in.), the ZSX-TWIN Ec can also be used in conjunction with an extraction system.



In addition to the extensive special accessories that are already available for the ZSX 400 / HM, a specially developed carbide-tipped ripping chain delivers perfect results.

Accessories / Tools

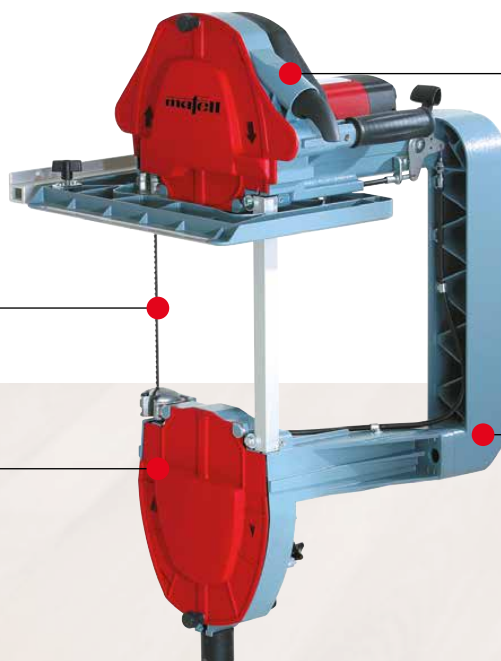
Image	Description	Ref. No.
	Guide rail	
	F 80 , 0.8 m long	204380
	F 110 , 1.1 m long	204381
	F 160 , 1.6 m long	204365
	F 210 , 2.1 m long	204382
	F 310 , 3.1 m long	204383
	Connecting piece F-VS for joining two guide rails	204363
	Angle fence F-WA	205357
	Guide pocket TZ-FST1600 for guide rails up to 1.6 m	095257
	Guide pocket set: 2 X F 160 + F-VS + 2 X F-SZ 180 MM + TZ-FST1600	209591
	Guide pocket set: F 80 + F 160 + F-WA + F-VS + 2 X F-SZ 180MM + TZ-FST1600	209592
	End cap F-EK 2 pieces	205400
	Non-slip profile F-HP 6.8M 6.8 m long	204376
	Splinter guard F-SS 3.4M 3.4 m long	204375
	Screw clamp F-SZ 180MM for fixing guide rail to workpiece, 2 pieces	207770
	Glider For height adjustment when working with a guide rail	206047

Image	Description	Ref. No.
	Guide rail length 3 m (2 pieces with connecting piece)	037037
	Guide rail length 3 m (one piece)	200672
	Guide rail extension 2600 length 1.5 m	036553
	Adapters (pair) for parallel guide fence	037195
	Carbide-tipped longitudinal-cut chain TWIN HM 400	006977
	Carbide-tipped fine cut saw chains HM 400	006972
	Carbide-tipped fine cut saw chains HM 260	006968
	Replacement chain HM left	091008
	right	091009
	Saw chain 3/8" 400 P for rip cuts and cross-cutting	006974
	Chain bars 260 HM for 006968	204581
	Chain bars 400 HM for 006972, 006977	204582
	Chain bars 400 3/8" for 006974	204583
	Riving knife 260 for 006968	204586
	Riving knife 400 for 006972, 006974, 006977	204587
	Sprocket HM for 006968, 006972, 006977	204584
	Sprocket 3/8" for 006974	204585
	Universal guide support (compound miter rail)	202069

Portable Band Saw

Z 5 Ec

The back-toothed blade facilitates retraction from the cut, which is especially easy if the blade is locked by the mechanical brake.



With voltage loss switch for protection against uncontrolled reconnection after a power interruption.

With a spring-mounted and tensioned idler wheel, changing blades is an easy and quick procedure.

The unique tilting blade guide allows right-angle cuts to be made up to 90 mm (3 9/16 in.) deep without the opposite side of the blade touching the wood, e.g. when cutting lapped joints.

Product features

- With CUPrex, the high-performance motor
- Variable digital electronics
- Combined brake/off switch
- Ball-bearing blade guide
- 30° tilting blade side

Application area

- Rip cuts and cross-cutting
- Curving and profiling
- Birdsmouth cuts and lap joints
- Compound miter cuts and angled birdsmouths (two-man operation)
- Compatible materials include solid wood and laminated beams

Product description

The Z 5 Ec portable bandsaw is the innovative successor to the legendary Z 3. Owing to a new, high-output motor and magnesium die-cast components, its persuasive benefits includes reduced weight (13.6 kg / 30.2 lbs), enhanced performance, higher torque and excellent handling.

Exclusive with ball bearing saw band guidance for excellent band running and thus for optimum cutting. Maximum 8 mm (5/16 in.) saw bands for optimum flexibility when curving and profiling purlins and rafters.

The Z 5 Ec offers an impressive cutting depth of 305 mm (12 in.). The precision that typifies MAFELL portable bandsaw enables the Z 5 Ec to execute extremely clean and perfectly square cuts.

The cooling air of the high-performance motor is utilized to blow away dust from the mark. As a consequence, chips are kept well away from your head and you maintain a clear view of the mark at all times.

Technical data

Cutting depth	305 mm
Tilt range, one blade side	0 – 30°
Nominal no-load speed	650 – 1550 1/min
Nominal input	2250 W
Extraction connection diameter	35 mm
Weight	13.6 kg
Universal motor	230 V/50 Hz

Z 5 Ec

Delivery specification

Portable Band Saw Z 5 Ec	925301
--------------------------	--------

Delivery scope includes

1 Band saw blade	
8 mm (5/16 in.) wide, 4 teeth per inch, with front and rear cutting teeth	
1 Band saw blade	
8 mm (5/16 in.) wide, 4 teeth per inch	
1 Band saw blade	
6 mm (1/4 in.) wide, 4 teeth per inch	
1 Handle for two-man operation	203824
1 Parallel guide fence	039386
1 Mains cable 10 m	087863





MAFELL benefits: its versatility make the Z 5 Ec ideal machine – especially when renovating old buildings.



The efficient blower ensures a clear view of the mark.










Thanks to high torque, solid wood and cutting depths up to 305 mm (12 in.) are not a problem for the Z 5 Ec.



The mechanical safety brake is engaged by the combined brake/off switch and, like the built-in voltage drop circuit, further enhances safety.

Accessories / Tools

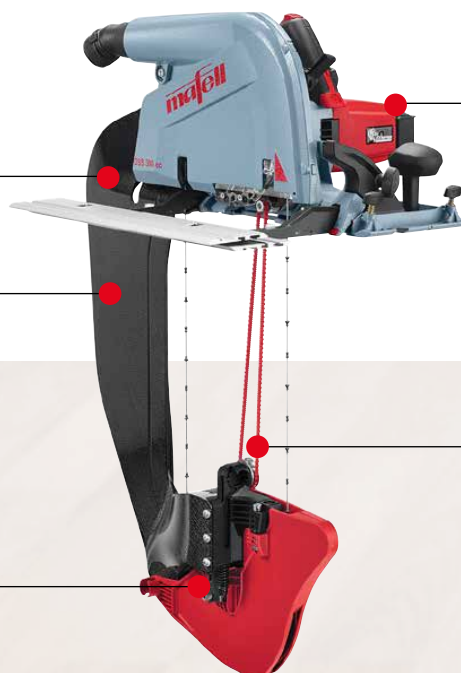
Image	Description	Ref. No.
	Guide rail length 3 m (2 pieces with connecting piece)	037037
	Guide rail length 3 m (one piece)	200672
	Guide rail extension 2600 length 1.5 m	036553
	Adapter (pair) for parallel guide fence	037195
	Trolley	202110
	Band saw blades, 10 pieces 6 mm (1/4 in.) wide, 6 teeth per inch, for curved cuts	092333
	Band saw blades, 10 pieces 6 mm (1/4 in.) wide, 4 teeth per inch, for curved cuts	092335
	Band saw blades, 10 pieces 8 mm (5/16 in.) wide, 4 teeth per inch, for mainly straight cuts	092336
	Band saw blades, 10 pieces 8 mm (5/16 in.) wide, 4 teeth per inch, with front and rear cutting teeth for easy reversing	092337

DSS 300 cc

2-Dimensional tilting - The DSS 300 cc can cut at tilt angles up to 60°. In addition, the cutting wire and riving knife can be tilted back up to 45°.

The carbon guide fin achieves extreme rigidity and, thanks to reduced weight, delivers the required cutting precision.

Automatic wire tensioning ensures consistency and supreme cutting quality.



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

The double-sided toothed belts convey chips and dust away from the kerf and improve both extractor performance and cutting precision.

Product features

- With cutting wire for 360° cuts
- With CUprex, the high-performance motor
- 2-Dimensional tilting

Application area

- Rip cuts and cross-cutting
- Bevel cuts
- Compatible materials include wood fiber insulation board (pressure-resistant, flexible), PUR rigid foam (without underlay), Styropor EPS, Styrodur XPS

Product description

The MAFELL DSS 300 cc is a unique wire saw for cutting pressure-resistant and flexible wood fiber insulating materials. Precision cutting for a perfect fit improves building insulation, eliminates thermal bridges and thus prevents structural damage. The DSS 300 cc is instrumental in ensuring that insulation work is performed with the utmost efficiency.

Technical data

Cutting depth	306 mm
Cutting depth at 45°	206.5 mm
Cutting depth at 60°	142 mm
Cutting width	6 mm
Tilting range	60°
Tilting range to rear	45°
Nominal speed – no load	4.700 1/min
Nominal power input	1.800 W
Extraction connector diameter	35 mm
Weight	8.25 kg
Universal motor	230 V/50 Hz

DSS 300 cc

Delivery specification

Insulation saw DSS 300cc in carrying case	919601
---	--------

Delivery scope includes

- 2 Cutting wire, 6 mm wide
- 1 Double-sided toothed belt
- 1 Auxiliary rest/glider
- 1 Mains cable 4 m
- 2 Cable cover K-Fix
- 1 Carrying case





Whether you're cutting longways, crossways or at an angle, the plug-in supporting system for pressure-resistant and flexible insulating materials can be configured to suit any situation.



Perfect interaction of all system components and innovative details, including the cutting wire, carbon guide fin and chip sweepers, achieve a high-precision cut.



For exact bevel cuts, the DSS 300 cc can be continuously pivoted through 60° referencing the scale. To make the cut, use an auxiliary rest on or alongside the guide track.



Flexible materials, as used to insulate the space between studs for example, can be cut quickly and accurately with the DSS 300 cc as well.

Accessories / Tools

Image	Description	Ref. No.	Image	Description	Ref. No.
	Guide rail F 80, 0.8 m long F 110, 1.1 m long F 160, 1.6 m long F 210, 2.1 m long F 310, 3.1 m long	204380 204381 204365 204382 204383		Machine holder S200-MH	207164
	Connecting piece F-VS for joining two guide rails	204363		Track clamp F-FIX 2 pieces	206760
	Angle fence F-WA	205357		Cable cover K-FIX 2 pieces	206369
	Guide pocket TZ-FST1600 for guide rails up to 1.6 m	095257		Parallel guide fence K 85-PA	205323
	Guide pocket set: 2 X F 160 + F-VS + 2 X F-SZ 180 MM + TZ-FST1600	209591		Roller edge guide K 85-UA	205166
	Guide pocket set: F 80 + F 160 + F-WA + F-VS + 2 X F-SZ 180MM + TZ-FST1600	209592		Guide unit ST-FE 200 incl. guide track, mounting bracket and auxiliary rest	207277
	End cap F-EK 2 pieces	205400		Workbench ST 1700 Vario Dimensions (length x width) 1.724 x 753 mm	91A601
	Non-slip profile F-HP 6.8M 6.8 m long	204376		Chip bag S 200 2 pieces	093791
	Splinter guard F-SS 3.4M 3.4 m long	204375		High-capacity extractor S 200 1x incl. extractor mounting, hose guard and 2x chip bag S 200	206869
	Screw clamp F-SZ 180MM for fixing guide rail to workpiece, 2 pieces	207770		the S 35 extraction unit is also required. (Page. 156)	
	Cutting wire DSS-SR 1x Cutting wire DSS-SR 1x Pulley guard 2x Sweeper	206370			
	Double-sided toothed belt 1 piece	206371			

Pull-Push Saw

ERIKA 60

For hidden cuts – the riving knife can be lowered with no effort.



New type of suction channel revolutionises extraction – for less dust when working.

Maximum cutting height of 61 mm (2 3/8 in.) – with a material thickness of 12 mm (1/2 in.), a cutting length of 215 mm (8 7/16 in.) is achieved.

With voltage loss switch for protection against uncontrolled reconnection after a power interruption.

Product features

- For portable use
- Ultra-light 22,2 kg (48,9 lbs)
- Precise cuts

Application area

- Cross and rip cuts
- Circular saw bench functionality
- Bevel cuts up to 47°
- Compatible materials include solid wood, board materials, parquet and laminate flooring, aluminum profiles and plastics

Product description

With optimum air flow in the suction channel, chips can be more easily removed by your dust extractor.

At 22,2 kg (48,9 lbs), the ultra-lightweight is convenient for use on any floor. Whether in the cellar or in the attic – the ERIKA 60 can be carried quickly and effortlessly from one workplace to another.

Operation of the ERIKA 60 is simple in its design concept. Clearly designed operating elements are all arranged logically on the front of the machine. Over 30 years of experience have gone into every detail. Stability where it's needed – on the table! Especially when cutting, the craftsman exerts pressure on the workpiece and thus also on the benchtop.

Attention ERIKA-users: All accessories of the previous models ERIKA 55 and ERIKA 60 can continue to be used on the new ERIKA 60.

Technical data

Cutting height	2 – 61 mm
Cutting height at 45°	2 – 39 mm
Tilt range	–2 – +47°
Cutting length	215 mm
Table top dimensions	412 x 544 mm
Working height without stand	300 mm
Working height with stand	847 mm
Nominal no-load speed	5500 1/min
Nominal input	1300 W
Weight	22,2 kg
Universal motor	230 V/50 Hz

Delivery specification

Pull-Push Saw ERIKA 60	972101
-------------------------------	---------------

Delivery scope includes











1 TCT saw blade	092550
190 x 1.2/2.0 x 30 mm, AT, 36 teeth, for universal use in wood	
1 Universal guide fence	207914
with guide fence extension	
1 Allen key 5 mm	093034
1 Extraction hose with 2 connectors	093639
1 Push stick	034901
1 Mains cable 4 m	097765

PG T
Price list page 11





Accessories / Tools

Image	Description	Ref. No.	Image	Description	Ref. No.
	Fold-away support	203153		TCT saw blade 190 x 1.2/2.0 x 30 mm, AT, 36 teeth, for universal use	092550
	Sliding table	201320		TCT saw blade 180 x 1.2/1.8 x 30 mm AT, 30 teeth, for universal use	092511
	Fence guide extension with telescopic rod and drop stop	201331		TCT saw blade 180 x 1.2/2.0 x 30 mm AT, 56 teeth, beveled, for laminates	092527
	Router adapter kit	203130			
	Supporting rail 650 mm long 840 mm long	201309 201310			
	Universal guide fence with guide fence extension	207914			
	Clamping fence support	207548			

Pull-Push Saw

ERIKA 70

New type of suction channel revolutionises extraction – for less dust while working.



Lightest pull-push saw in its class – for quick and easy transportation.

Adjustable speed – for individual processing of wood, plastics or aluminum profiles.

With voltage loss switch for protection against uncontrolled reconnection after a power interruption.

Product features

- With CUPrex, the high-performance motor
- Ultra-light 32 kg (70.5 lbs)
- Built-in /Quickstand\
- Comprehensive range of optional accessories

Application area

- Cross and rip cuts
- Circular saw bench functionality
- Bevel cuts up to 48°
- Compatible materials include solid wood, board materials, parquet and laminate flooring, aluminum profiles and plastics

Product description

As the world's first pull-push saw, the ERIKA has become the epitome of mobile sawing since its introduction. After almost 40 years of experience, the current generation is now endowed with everything that users expect from a modern pull-push saw.

The built-in /Quickstand\ sets the ERIKA on 4 stable aluminium legs within seconds. Protective rubber stoppers on the feet also prevent slipping or knocking.

The unique suction channel concentrates the sawdust and extracts it to the rear. Thanks to this new development, your dust extractor is used even more effectively. The result: clean work on a clean construction site! Operation of the ERIKA leaves no questions unanswered. Clearly designed operating elements are all logically arranged on the front of the machine!

Thanks to the E-control electronic system and the corresponding MAFELL original saw blade, it is possible to process other materials in addition to wood, such as plastics or aluminium profiles.

Further advantages of the ERIKA 70: Extremely stable table profile, tilt range from -3° to 48° and lowerable riving knife, and max. pull length over 340 mm.

Technical data

Cutting height	1 – 72 mm
Cutting height at 45°	1 – 49 mm
Tilt range	-3 – +48°
Cutting length	330 mm
Table top dimensions	525 x 818 mm
Working height without stand	415 mm
Working height with stand	891 mm
Nominal no-load speed	2.050 - 4.300 1/min
Nominal input	2.250 W
Extraction connection diameter	58 mm
Weight	37,2 kg
Universal motor	230 V/50 Hz

Delivery specification

Pull-Push Saw ERIKA 70	972101
-------------------------------	---------------

Delivery scope includes

1 TCT saw blade	092460
225 x 1.8/2.5 x 30 mm, AT, 32 teeth, for universal use in wood	
1 Universal guide fence	207912
with fence extensions	
1 Push stick	034901
1 Allen key 6 mm	093081
1 Extract set with 2 connectors	093639
1 Fold-away support /Quickstand\	
1 Mains cable 4 m	087847

PG T
Price list page 11





Precise and tear-free – this describes the cuts of ERIKA .



The ERIKA has a circumferential dovetail profile to which fences and optional accessories can be attached in a convenient and sturdy manner.



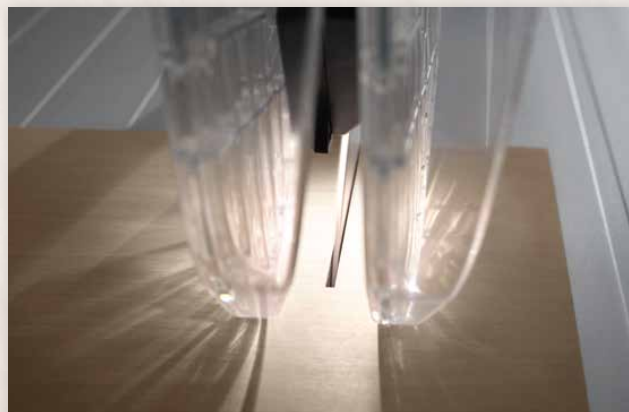
Assembling and disassembling the ERIKA are simple one-man jobs. You can unfold the built-in fold-away support within seconds and without tools. - The /Quickstand\.



Unevenness of the surface can be levelled out with the level control simply by pressing down with the foot.



The infinitely variable speed adjustment for individual requirements and applications is ideally placed on the front panel. This allows the speed to be conveniently adjusted to different materials and applications.



The sensor-controlled working light provides the best view of the cut. The partially transparent protective hood completely covers the saw blade and thus provides for greater safety.

ERIKA 85

New type of suction channel revolutionises extraction – for less dust when working.

Adjustable speed – for individual processing of wood, plastics or aluminium profiles.



Lightest pull-push saw in its class – for quick and easy transportation.

With voltage loss switch for protection against uncontrolled reconnection after a power interruption.

Product features

- With CUPrex, the high-performance motor
- Ultra-light 34.5 kg (76.1 lbs)
- Built-in /Quickstand\
- Inclusive multi-purpose guide fence MFA
- Cutting height up to 85 mm (3 3/8 in.)

Application area

- Cross and rip cuts
- Circular saw bench functionality
- Bevel cuts up to 48°
- Compatible materials include solid wood, board materials, parquet and laminate flooring, aluminum profiles and plastics

Product description

If the ERIKA 70 cannot handle the required cutting height, there is always its "big sister" – the ERIKA 85, ideal for large workpieces with a cutting height of up to 85 mm (3 3/8 in.).

The built-in /Quickstand\ sets the ERIKA on 4 stable aluminium legs within seconds. Protective rubber stoppers on the feet also prevent slipping or knocking.

The unique suction channel concentrates the sawdust and extracts it to the rear. Thanks to this new development, your dust extractor is used even more effectively. The result: clean work on a clean construction site! Operation of the ERIKA leaves no questions unanswered. Clearly designed operating elements are all logically arranged on the front of the machine!

Thanks to the E-control electronic system and the corresponding MAFELL original saw blade, it is possible to process other materials in addition to wood, such as plastics or aluminium profiles.

Further advantages of the ERIKA 85: Extremely stable table profile, tilt range from -3° to 48° and lowerable riving knife, and max. pull length over 430 mm.

Technical data

Cutting height	-1 – 85 mm
Cutting height at 45°	-1 – 59 mm
Tilt range	-3 – 48 °
Cutting length	430 mm
Table top dimensions	525 x 915 mm
Working height without stand	415 mm
Working height with stand	891 mm
Nominal no-load speed	2,050 – 4,300 1/min
Nominal input	2,500 W
Extraction connection diameter	58 mm
Weight	40 kg
Universal motor	230 V/50 Hz

Delivery specification

Pull-Push Saw ERIKA 85	971901
-------------------------------	---------------

Delivery scope includes

1 TCT saw blade	092465
250 x 1.8/2.8 x 30 mm, AT, 40 teeth, for universal use	
1 Extension kit with wheels	202889
1 Multi-purpose guide fence MFA	207910
with angle locking	
1 Clamping piece	038294
1 Push stick	034901
1 Allen key 6 mm	093081
1 Extraction set with 2 connectors	093670
1 Fold-away support /Quickstand\	
1 Mains cable 4 m	

PG T

Price list page 11





Thanks to the great cutting height and cutting length, the ERIKA is ideally suited even for cutting solid timber and for carpentry applications.



The sensor-controlled working light provides the best view of the cut. The partially transparent protective hood completely covers the saw blade and thus provides for greater safety.



Assembling and disassembling the ERIKA are simple one-man jobs. You can unfold the built-in fold-away support within seconds and without tools. - The /Quickstand\.



Unevenness of the surface can be levelled out with the level control simply by pressing down with the foot.

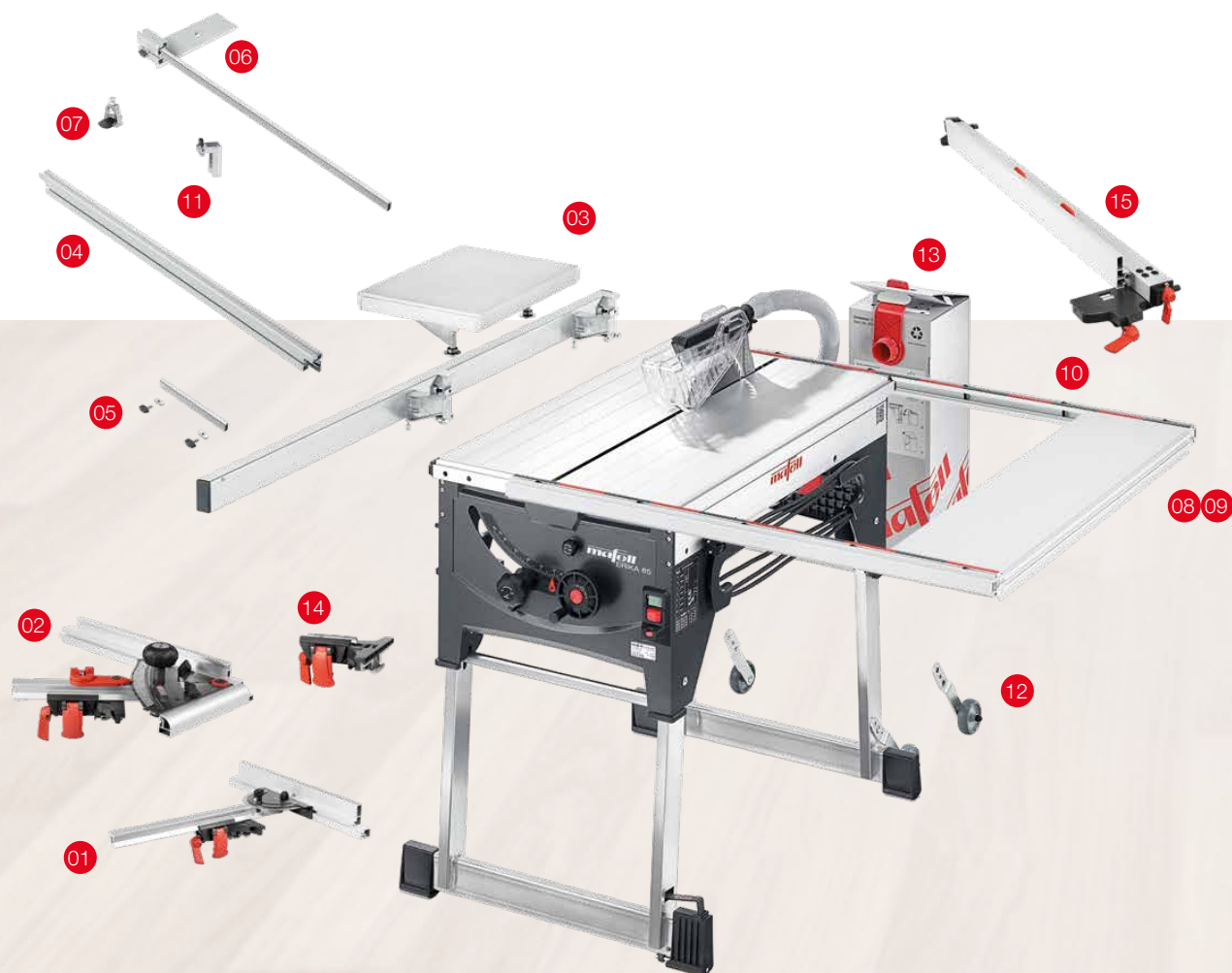


The multi-purpose guide fence allows two miter cuts without changing...










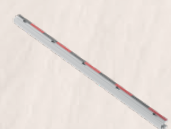


... or adjusting the fence. The result: perfect 90° joints.

ERIKA 70/ERIKA 85



Accessories / Tools




Sliding table			Image	Description	Ref. No.
	Universal guide fence with fence extension	207912		Telescopic rod with sheet metal support, 960 mm	038309
	Multi-purpose guide fence MFA with angle locking	207910		Clamping piece	038294
	Sliding table maximum cutting length 905 mm	038563	Table extension		
	Fence guide extension 1000 mm long incl. drop stop	203396		Extension and router table ERIKA 70	208438
	Connecting piece (for connecting two fence guide extensions)	038393		ERIKA 85 (each requires 2 support/mounting rails)	208439
				Supporting rail 1000 mm long	038686

Accessories / Tools


General optional accessories

Image	Description	Ref. No.
01 	Universal guide fence with fence extension	207912
02 	Multi-purpose guide fence MFA with angle locking	207910
15 	Parallel guide fence	207506
11 	Drop stop	038306
07 	Connecting piece	038294
12 	Extension kit with wheels	202889
13 	Chip collecting system Cleanbox Starter-Set	203402
	Chip collecting system Cleanbox 5 pieces	203575
14 	Soporte de barras	207507
	Dust Extractor S 35 M	91C401

Saw blades ERIKA 70

Image	Description	Ref. No.
	TCT saw blade 225 x 1,8/2,5 x 30 mm, 32 teeth, AT, for universal use (ERIKA 70)	092460
	TCT saw blade 225 x 1,8/2,5 x 30 mm, 48 teeth, AT, for fine cuts (ERIKA 70)	092462
	TCT saw blade 225 x 1,8/2,5 x 30 mm, 68 teeth, FT/TT, for plastic and aluminium profiles (ERIKA 70)	092464

Saw blades ERIKA 85

	TCT saw blade 250 x 1,8/2,8 x 30 mm, 24 teeth, AT, for rip cuts (ERIKA 85)	092472
	TCT saw blade 250 x 1,8/2,8 x 30 mm, 40 teeth, AT, for universal use (ERIKA 85)	092465
	TCT saw blade 250 x 1,8/2,8 x 30 mm, 60 teeth, AT, for fine cuts (ERIKA 85)	092466
	TCT saw blade 250 x 1,8/2,8 x 30 mm, 68 teeth, FT/TT, for plastic and aluminium profiles (ERIKA 85)	092467