



Catalog

2025

Pictograms



Suction

Hose connector for dust/chip removal by suction as standard.



Oscillating stroke

Oscillating stroke jig saw with four different actions.



FLIPPKEIL

This portable circular saw allows exact plunge cuts with the riving knife installed.



Clockwise/counterclockwise

Optional clockwise or counterclockwise rotation.



Guide system

Guide tracks and rails are available for this machine in various lengths.



Friction clutch

Friction clutch for sawblade enhances safety in extreme conditions.



High stock removal

High stock removal rate achieved by powerful motor and latest technology.



Fast tool change

Tool changes within seconds with supplied assembly tool or without any tools at all, see operating instructions for more information.



Variable depth

Exact adjustment of cutting depth



Safety brake

Tool is automatically brought to a standstill when the machine is switched off.



Quick-fit paper

Quick-fit sanding paper is firmly held by Velcro-type fastening.



Variable speed

Choice of strokes/speed according to material.



MAX + case

Machine supplied as standard in sturdy plastic or metal carrying case.



Full wave electronics

Smooth start, constant speed under load, and overload protection ensure fast working and a long service life.

PG = Product group

Sawblades – tooth grinds



FZ

Flat top grind



WZ

Alternate top bevel



HZ

Hollow grind



TR

Trapezoidal grind



WZ/FZ

Alternate top bevel / Flat top grind



FZ/TR

Flat top grind / Trapezoidal grind



WZ/FA

Alternate top bevel with bevel



FZFA/FZFA

Flat top grind with bevel alternately



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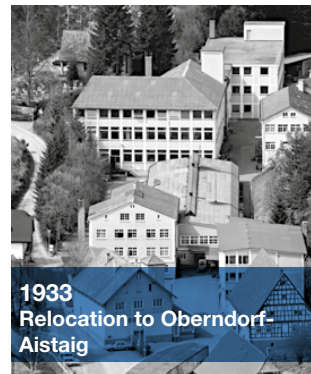
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The MAFELL success story framed by milestones in wood.





1960
Introduction of magnesium
die castings



1980
Launch of ERIKA, the
world's first pull-push saw



1990
Relocation to Oberndorf-
Lindenhof



2001
DD40 Market launch



2011
IF Design Award for the P1cc



2017
Market launch of the insula-
tion saw DSS 300 cc.

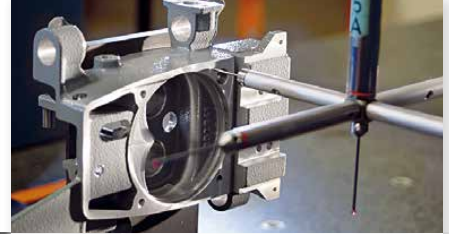
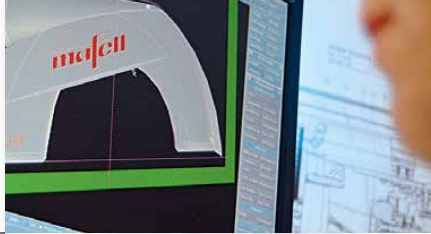


2018
Market launch of the
DuoDowel DDF 40



2019
Market launch of the Zero
joint edge bander HIT-M

Quality made in Germany.



MAFELL's only production facility is in Oberndorf am Neckar. This commitment to quality made in Germany is further illustrated by a vertical range of manufacturing that covers as much as 85% of its output, and by the company's own toolmaking operation.

From injection moldings to high-performance motors, from design to assembly, and from toolmaking to quality assurance: MAFELL quality is founded on the deployment of our key skills in an exemplary, process-overarching and high-tech manufacturing operation in Oberndorf. This approach enables us to respond quickly to emerging needs.

Use of the highest-grade materials ensure that the strict demands made on machinery and supplies are met:

- Components, made not of regular plastic, but fiber glass-reinforced polyamide, are virtually indestructible
- The magnesium die castings we produce are 30% lighter than aluminium
- A significantly higher copper content results in motors with outstanding torque

Highly innovative technology, premium quality materials and absolute precision – these attributes collectively make MAFELL an outstanding company.

Typical MAFELL.



Machines for generations.

MAFELL machines reveal their true value in the everyday working environment. They are the product of a unique manufacturing process and embody the celebrated MAFELL quality that lasts for generations. Our products have always been inimitable, offering high-torque, high-speed motors, sturdy design,

supreme precision and outstanding durability at a fair price.

MAFELL stands for uncompromising quality in the manufacture of machines for the wood-working trade. Our close affinity with the trade is reflected in our consistent ability to

originate innovative solutions in response to specific challenges.

Built by professionals for professionals.



MAFELL

Sawing

Drilling

Sanding

Planing

Mortising

Dust
Extraction

Special

Generation of motors: CUprex.

Putting sheer power and high torque on the map: CUprex – the high-torque motor generation with performance optimized digital electronics is setting new standards of pure power.

Sheer power

With its generation of CUprex motors, MAFELL offers unique performance based on maximum output, the most modern technology and optimum user-friendliness.

Safety

The control technology permits enhanced control and greater userfriendliness. Most CUprex machines are equipped with smooth starting, no-load speed reduction, constant speed under load and overload protection.



Improved control technology

The CUprex control technology ensures a constant speed – especially under high loads.

Enhanced armature geometry

The larger armature diameter makes for noticeably higher torque.

Superior winding

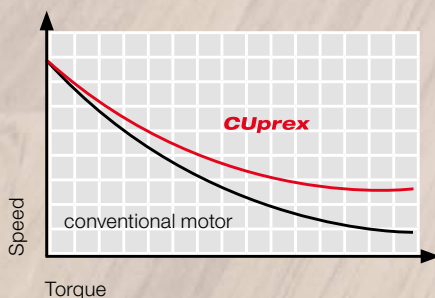
The larger armature diameter of the copper wire significantly reduces the stray power. The power potential is tangibly increased.

Variable digital electronic

Improved control: the speed can be varied continuously according to the material and type of application.

Superior winding

The CUprex motors are more compact, shorter and lighter than conventional series motors thanks to their superior design. As a result, the CUprex machines fit neatly in your hand and facilitate fatigue-free working.



The MAFELL training center.



MAFELL training courses

With a view to providing customers with more than simple technical assistance, MAFELL offers its employees effective training courses in modern foreign languages, telephone management and customer relationship management, among many other subjects. Further training is essential if we are to remain our customers' partner of choice on the issues that extend beyond engineering and technology.



MAFELL translates theory into practice.

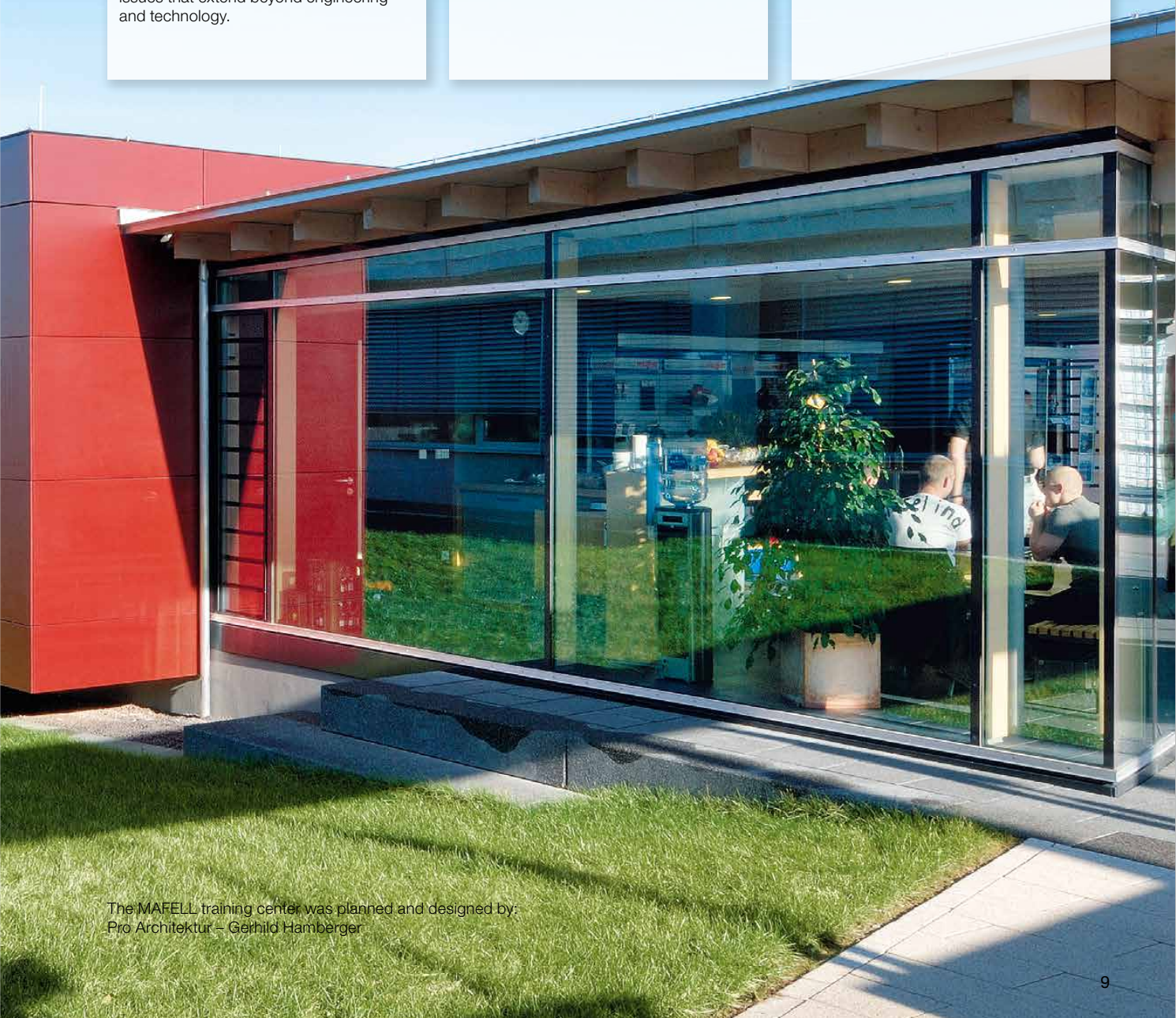
In our training center, we provide application and technical training courses for the MAFELL specialty dealers. All the MAFELL machines, in every product group, are examined and explained in active sessions.



MAFELL product training

Our technical seminars convey well-founded, expert knowledge to all the participants. Our skilled instructors impart both valuable facts and practical hints.

Further information on our product training courses is available by phone on +49 7423/812-229.



The MAFELL training center was planned and designed by:
Pro Architektur – Gerhild Hamberger

MAFELL

Sawing

Drilling

Sanding

Planing

Mortising

Dust
Extraction

Special

MAFELL value-added offers.

True to the slogan „creating excellence“, MAFELL offers a compelling range of products and services. These include our attractive value-added offers.

Three-year guarantee



With immediate effect MAFELL is giving more to its customers. Besides innovation, first-class quality and decades of experience, it is now offering a three-year guarantee* with every machine. MAFELL is thus granting customers a bigger share in the confidence enjoyed by its products.

*Machines purchased from November 2005 are covered by a three-year guarantee upon registration. The guarantee runs from the purchase date and is subject to the conditions set forth below.

Notwithstanding the statutory warranty rights, MAFELL grants business customers a 12-month (private customers: 24-month) guarantee from the date of purchase of the machine according to the following provisions: the guarantee exclusively covers faults arising from material, manufacturing and assembly defects.

Wearing parts, tools and battery packs are not covered.

How it works:

Simply fill in the guarantee card and send it direct to MAFELL or your authorized dealer within four weeks of purchase.

Or you can use the convenient and quick option of registering the machine on the internet under www.mafell-garantie.de. After registering, MAFELL will send you a guarantee certificate for the relevant machine. To make a claim under the guarantee, you must hand over the machine together with the certificate and the original receipt showing the purchase date.

The MAFELL World.

The MAFELL World presents our brand values on dealers' premises and draws attention to our premium credentials.



Dealership with MAFELL World frontage

MAFELL

Sawing

Drilling

Sanding

Planing

Mortising

Dust
Extraction

Special



Fan-Shop
fanshop.mafell.de

**You are convinced of the quality of mafell tools and are a real fan?
Then browse through our fan shop now and show your colours with
sweaters, T-shirts, jackets, vests and much more.**

Men and women T-Shirt

Uncompromisingly classic: our favourite piece of clothing in its most modern appearance. An absolute basic piece for every situation in life, and made of certified organic cotton.



Men and women Sweatshirt

You've got to have it! Thanks to the high French Terry quality the sweatshirt is very comfortable to wear. An absolute basic part for every situation and in addition made of certified organic cotton in combination with breathable polyester.





Men and women Workwear Fleece Jacket

The high-quality knitted fleece is softly brushed on the inside, but the outside is finished in a smooth knit-melange look. The jacket is very comfortable, easy to care for and stretchy, it keeps its shape perfectly thanks to the elastic cuffs.



Men and women Hybrid Vest

Knitted vest in a stylish material mix. Front and back part as well as hood are in quilted check design. In addition, the hood has an internal width adjustment. The full-length backed zipper prevents clothing from getting trapped underneath.



Men and women Ultralight down jacket

The soft, wind and water-repellent material with a slight sheen is especially cuddly, a comfortable cut with elastic cuffs provides special comfort, double quilting seams for stability. A sporty hood keeps out wind and light rain.

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.



Special

Dust
Extraction

Mortising

Planing

Sanding

Drilling

Sawing

MAFELL

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.

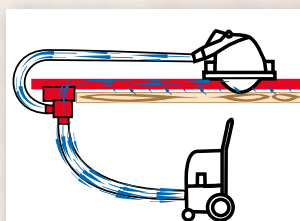
Aerofix F-AF 1

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

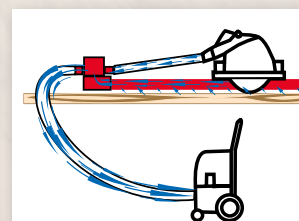


Suction fixing for cutting panels, doors etc... The suction force for fixing the F-AFU 130 to the 1.3 m guide rail is applied from underneath by way of the dual adapter.



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.

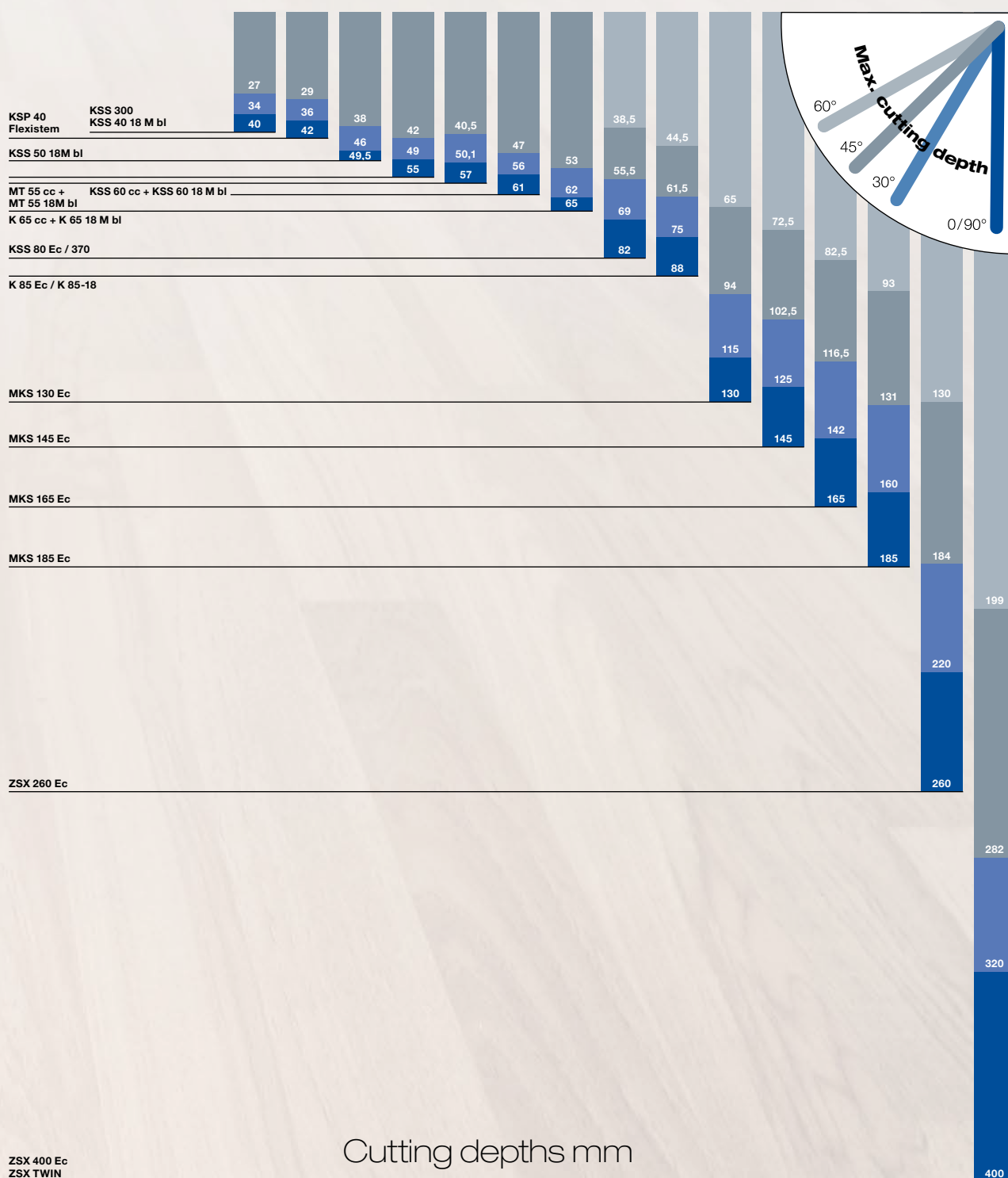


- As soon as there is a forward movement of the machine, the FLIPPKEIL automatically snaps into the saw cut.
- This ensures maximum user safety when sawing.
- Disassembly and reassembly of the riving knife, which is still necessary with most of other circular saws on the market to be able to carry out 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
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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 saw-blades. 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

[illegible]

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.

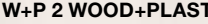
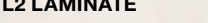
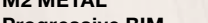
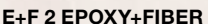
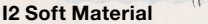


The twin-layer CUnex W1 blade has a wedge-shaped cross section that facilitates freehand sawing while offering the greatest possible sawblade stability.



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

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 smart stop and adjustable fence with large scale increments for exact angle settings facilitate very precise and consistent miter cuts.

The pivot point of the KSS 300 is on the side, on the bottom edge of the rail. This has the advantage of requiring only a single tracing pointer for all angles – with or without the rail.

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

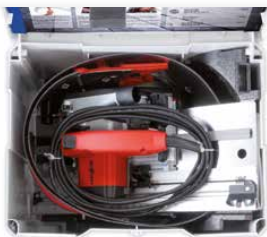
Cross-Cutting System KSS 40 MaxiMAX in the T-MAX	916702
Cross-Cutting System KSS 40 MidiMAX in the T-MAX	916701

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

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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.).

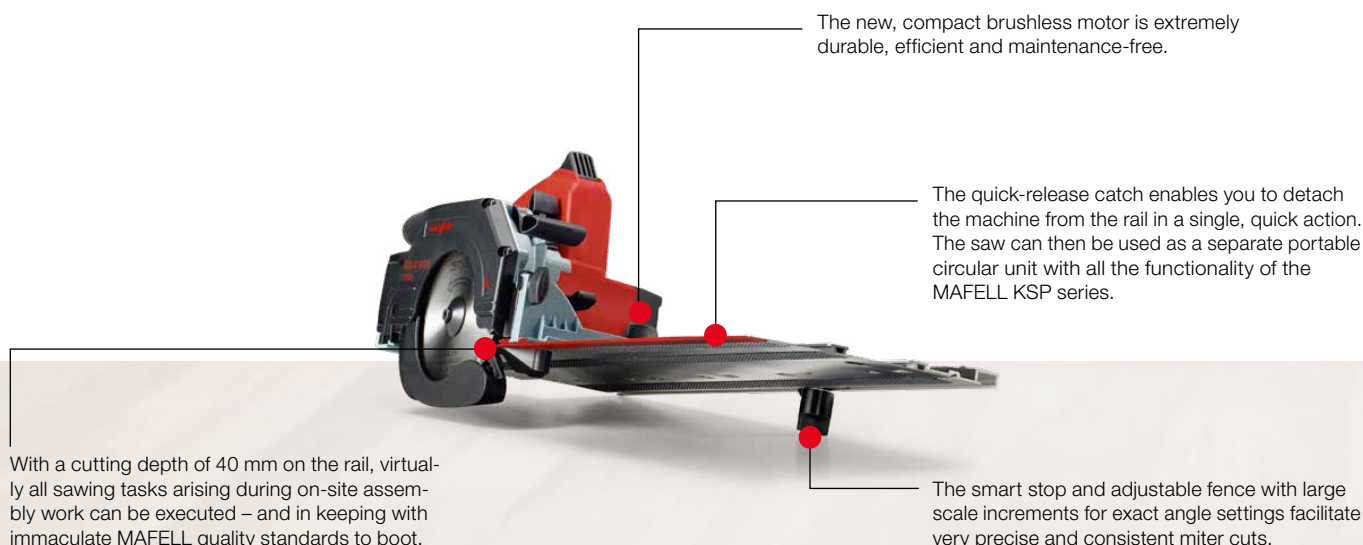
Accessories / Tools

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



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

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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



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

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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 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
	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

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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, 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 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	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	2700 – 4700 1/min
Nominal input	1800 W
Weight with guide rail	6,1 kg
Universal motor	230 V / 50 Hz

KSS 60 cc

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

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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 underneath 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
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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 underneath 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
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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

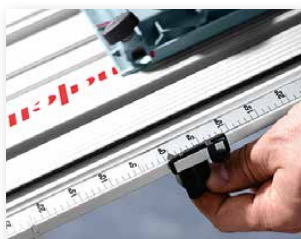
PG A

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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

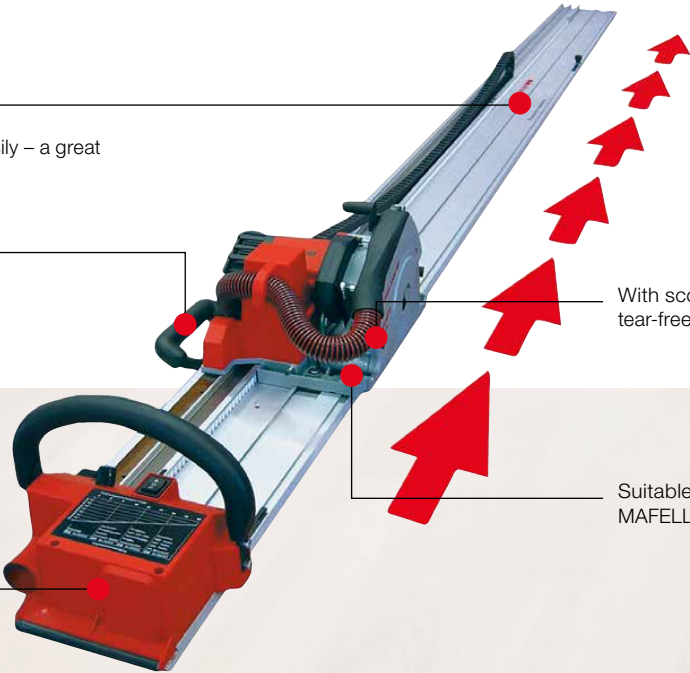
Portable Panel Saw System

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
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Delivery scope includes

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

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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

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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

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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.



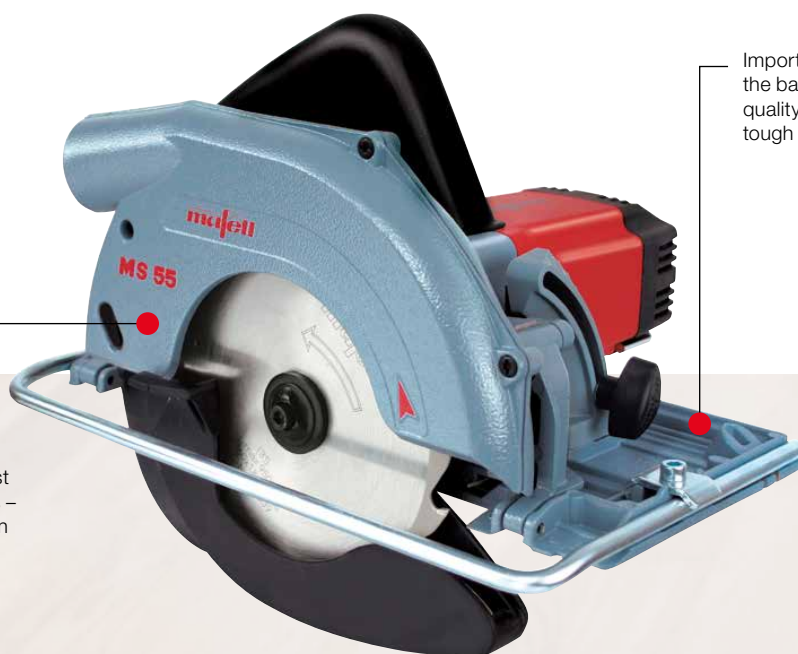
The MT 55 cc comes into its own, for example, when executing high-precision plunge cuts in kitchen worktops.

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 ce- ment-bonded materials	092474

MS 55



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.

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

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
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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-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	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
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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
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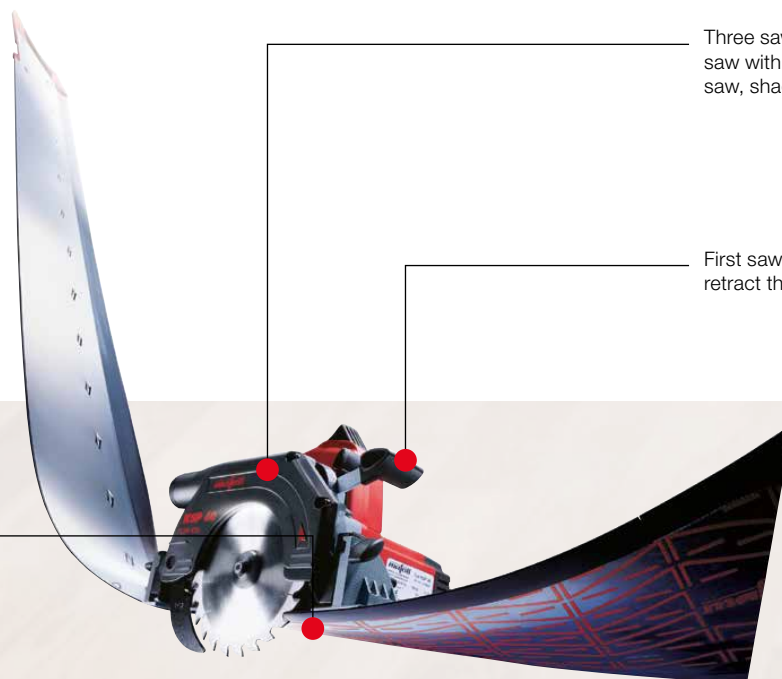
Accessories / Tools

Image	Description	Ref. No.	Image	Description	Ref. No.
	Guide rail			Parallel Guide Fence with wing screw	201451
	F 80 0.8 m long	204380			
	F 110 1.1 m long	204381		Mushroom-shaped handle as additional machine guide, with fixing screw	201451
	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		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			
	Guide pocket set: 2 X F 160 + F-VS + 2 X F-SZ 180 MM + TZ-FST1600	209591		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: F 80 + F 160 + F-WA + F-VS + 2 X F-SZ 180MM + TZ-FST1600	209592		Saw blade KSB-WU 160 GT 160 x 1,2/1,8 x 20 mm, Z 28, WZ/FZ, For universal use	092602
	End cap F-EK 2 pieces	205400		Saw blade KSB-AL160 160 x 1,2/1,8 x 20 mm, Z 48, 2FZFA,	092605
	Non-slip profile F-HP 6,8M 6.8 m long	204376		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
	Splinter guard F-SS 3,4M 3.4 m long	204375		Saw blade KSB-AM160 160 x 1,6/2,2 x 20 mm, Z 4, FZ, Cement and gypsum-bonded chipboard and fibreboard	092608
	Screw clamp F-SZ 180MM for fixing guide rail to workpiece, 2 pieces	207770		Saw blade KSB-CS160 160 x 1,2/1,4 x 20 mm, Z 32, WZ/ FA, For universal use	092610
	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
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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

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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

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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

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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

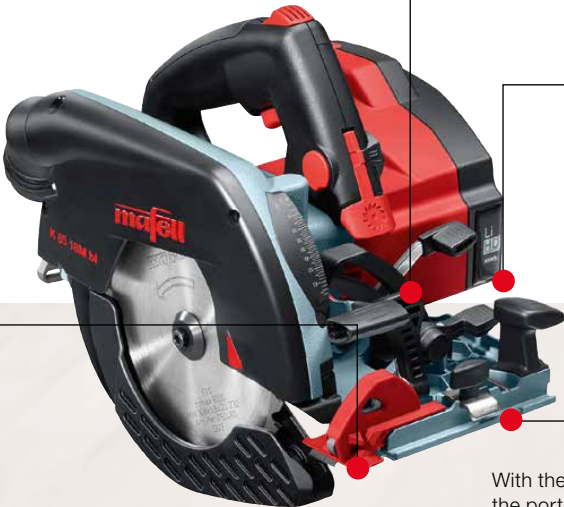
Image	Description	Ref. No.
	Guide rail F 80 , 0.8 m long	204380
	F 110 , 1.1 m long	204381
	F 160 , 1.6 m long	204365
	F 210 , 2.1 m long	204382
	F 310 , 3.1 m long	204383
	Connecting piece F-VS for joining two guide rails	204363
	Angle fence F-WA	205357
	Suction clamping system Aerofix F-AF 1 suction 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





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

Image	Description	Ref. No.
	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
	Splinter guard F-SS 3,4M 3.4 m long	204375
	Non-slip profile F-HP 6,8M 6.8 m long	204376
	Parallel guide fence K55-PA with wing screws	206825
	Roller edge guide MF-UA	206073
	TCT saw blade 185 x 1.2/1.8 x 20 mm, 16 teeth, AT, Battery ideal, for ripping in wood	092494
	TCT saw blade 185 x 1.2/1.8 x 20 mm, 32 teeth, AT, Battery ideal, for cross-cut- ting wood	092493
	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

K 85 Ec

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

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

1 TCT saw blade	092590
237 x 1.8/2.5 x 30 mm AT, 12 teeth, for rip cuts in wood	
1 Parallel guide fence (only 91C601)	205323
1 Hose connector	205290
1 Allen key 5 mm	093034
1 Mains cable 4 m	087888



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
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Delivery scope includes

1 TCT saw blade	092590
237 x 1.8/2.5 x 30 mm AT, 12 teeth, for rip cuts in wood	
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



Ergonomic, ideally positioned handles offer supreme operating ease and allow the work to be performed efficiently in every situation.

Continuously variable speed control for individual requirements and applications.

The desired cutting depth is easily set with a control wheel and highly legible scale. The nuisance of double-checking dimensions is a thing of the past.

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
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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.

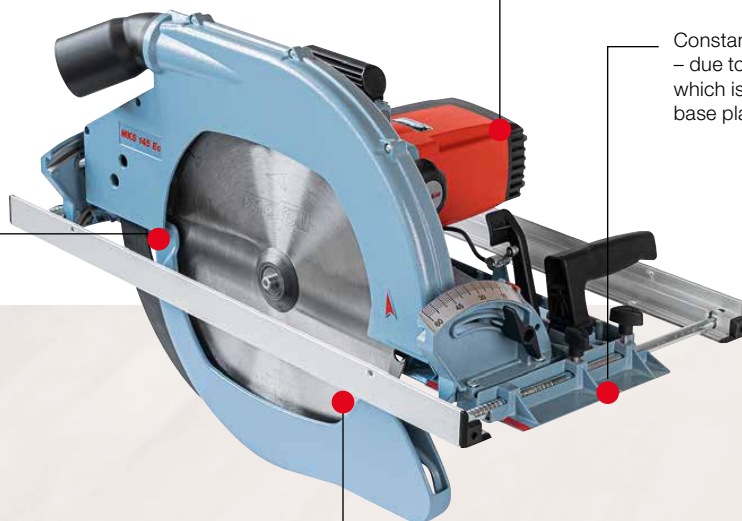
Accessories / Tools

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
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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
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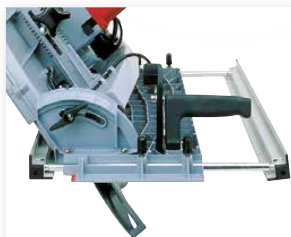
Delivery scope includes

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

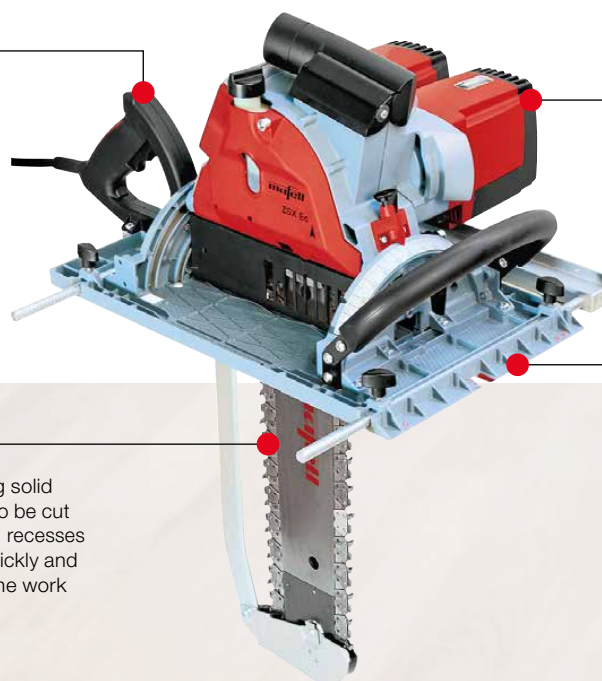
Image	Description	Ref. No.
	Guide rail	
	F 80 , 0.8 m long	204380
	F 110 , 1.1 m long	204381
	F 160 , 1.6 m long	204365
	F 210 , 2.1 m long	204382
	F 310 , 3.1 m long	204383
	Connecting piece F-VS for joining two guide rails	204363
	Angle fence F-WA	205357
	Guide pocket TZ-FST1600 for guide rails up 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
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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

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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

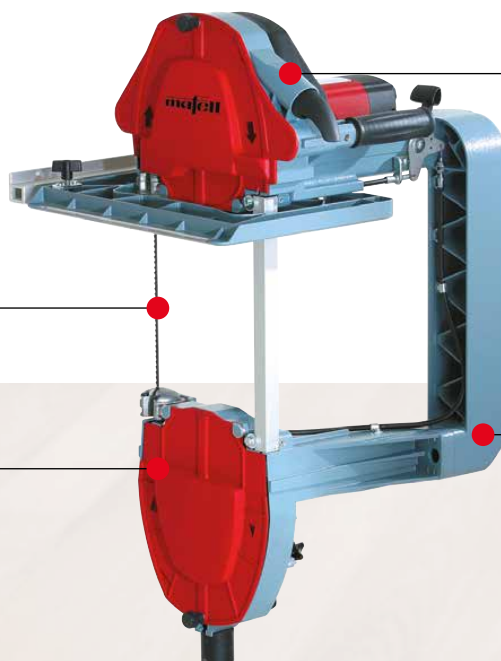
Image	Description	Ref. No.
	Guide rail	
	F 80 , 0.8 m long	204380
	F 110 , 1.1 m long	204381
	F 160 , 1.6 m long	204365
	F 210 , 2.1 m long	204382
	F 310 , 3.1 m long	204383
	Connecting piece F-VS for joining two guide rails	204363
	Angle fence F-WA	205357
	Guide pocket TZ-FST1600 for guide rails up 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
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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

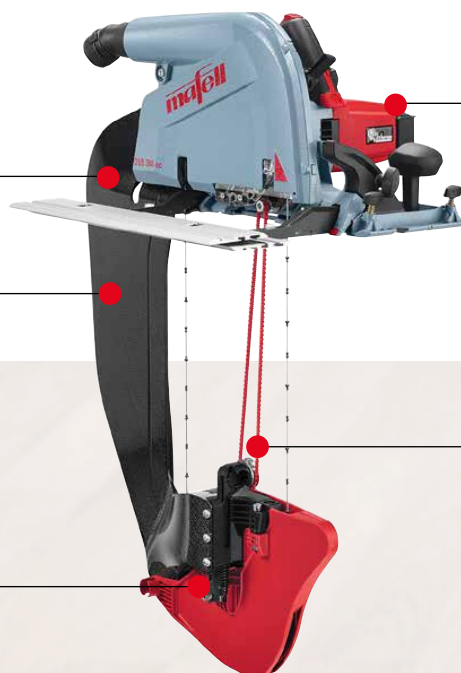
Image	Description	Ref. No.
	Guide rail length 3 m (2 pieces with connecting piece)	037037
	Guide rail length 3 m (one piece)	200672
	Guide rail extension 2600 length 1.5 m	036553
	Adapter (pair) for parallel guide fence	037195
	Trolley	202110
	Band saw blades, 10 pieces 6 mm (1/4 in.) wide, 6 teeth per 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
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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			

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
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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





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
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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.



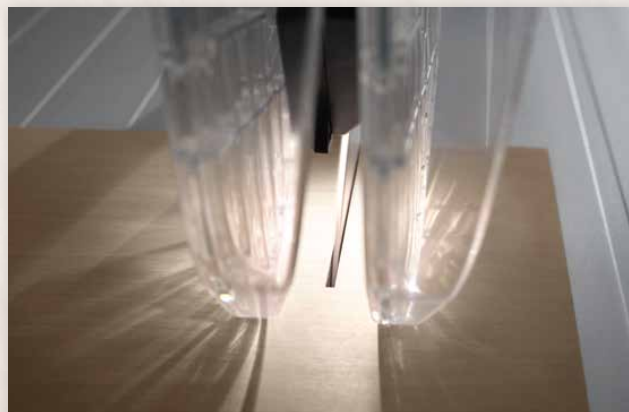
Assembling and disassembling the ERIKA are simple one-man jobs. You can unfold the built-in fold-away support within seconds and without tools. - The 'Quickstand'.



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
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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.

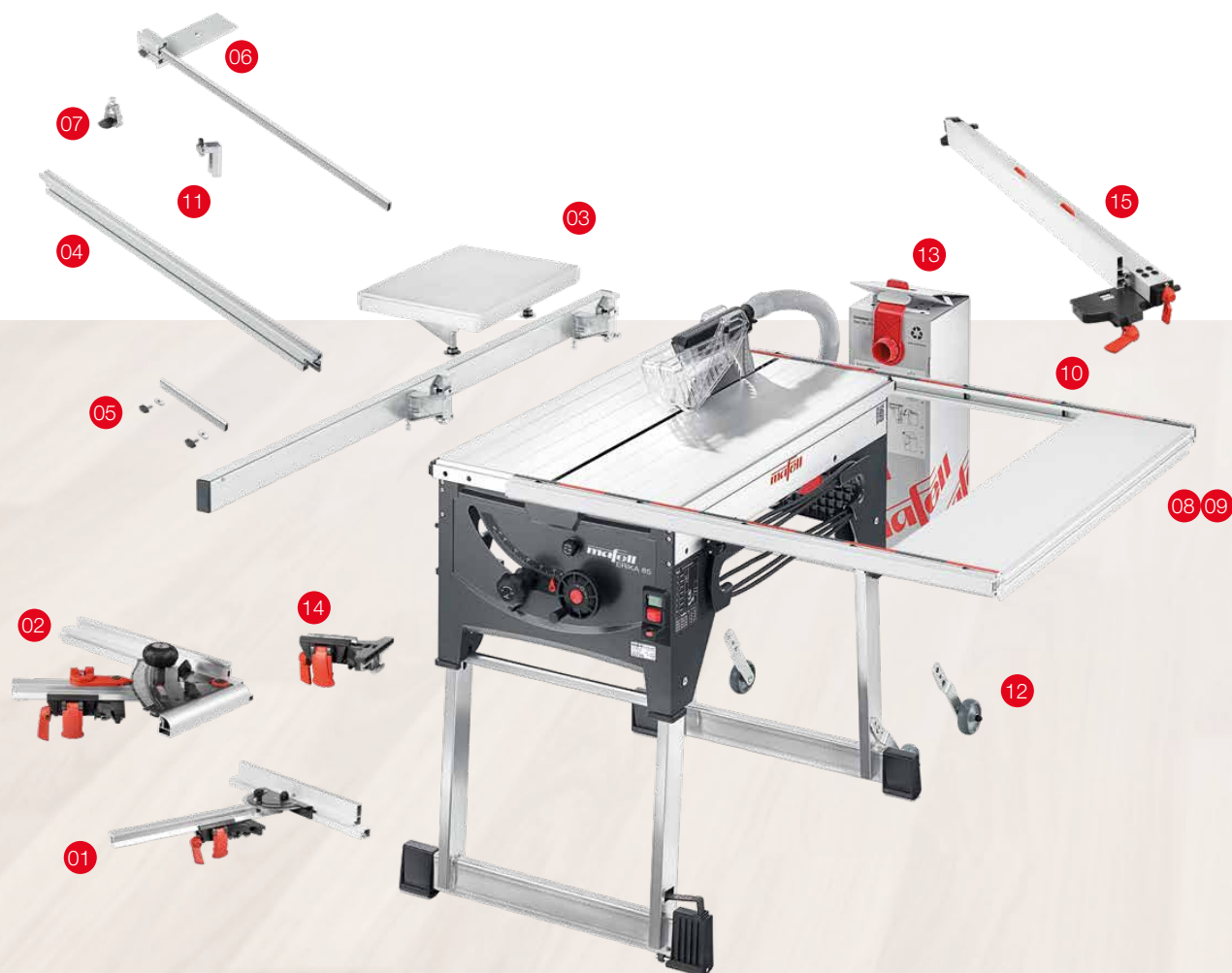


The multi-purpose guide fence allows two miter cuts without changing...



... 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
 	Multi-purpose guide fence MFA with angle locking	207910
 	Sliding table maximum cutting length 905 mm	038563
 	Fence guide extension 1000 mm long incl. drop stop	203396
 	Connecting piece (for connecting two fence guide extensions)	038393

Image	Description	Ref. No.
 	Telescopic rod with sheet metal support, 960 mm	038309
 	Clamping piece	038294
Table extension		
  	Extension and router table ERIKA 70 ERIKA 85 (each requires 2 support/mounting rails)	208438 208439
 	Supporting rail 1000 mm long	038686

Accessories / Tools

General optional accessories

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

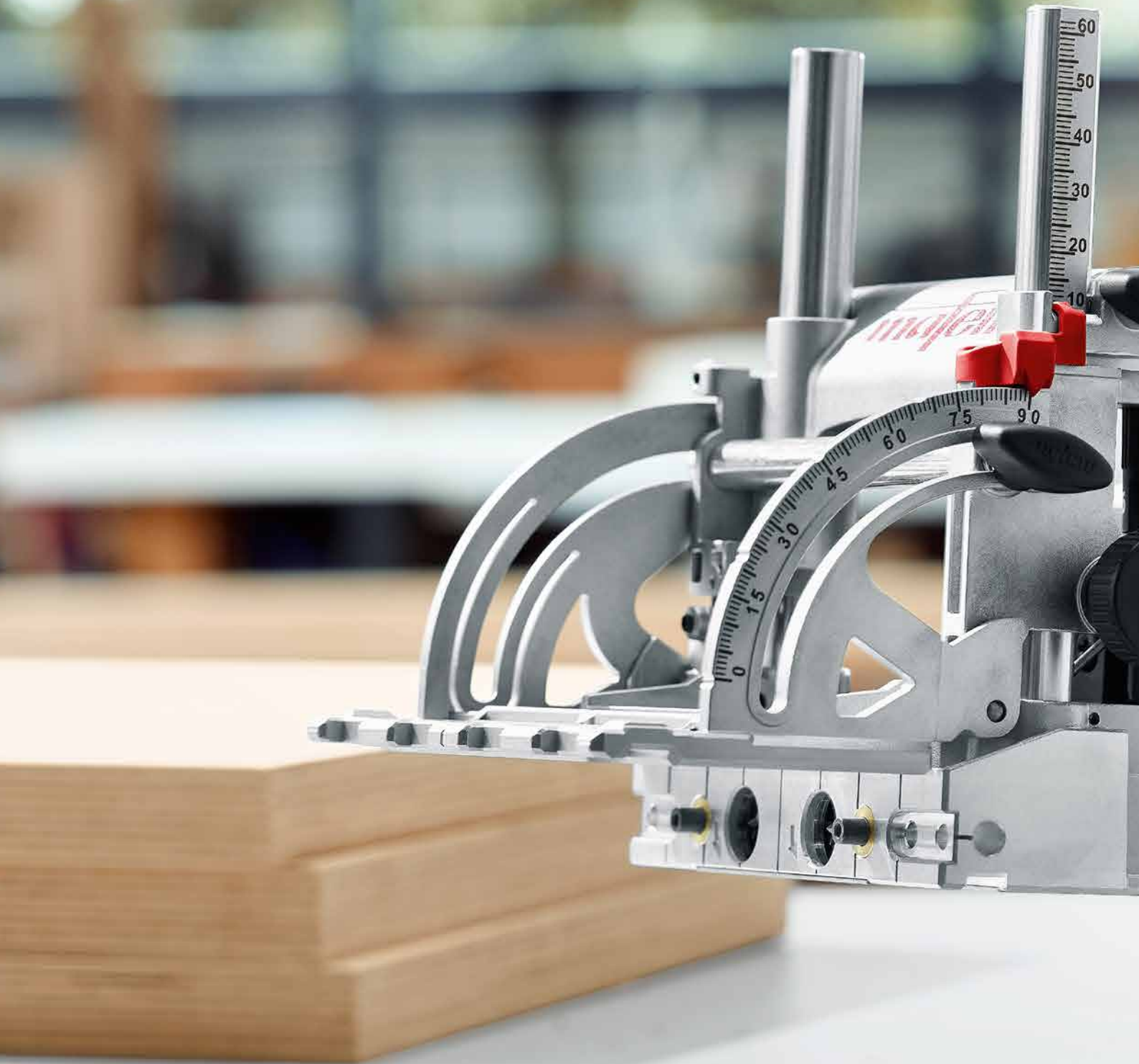
Saw blades ERIKA 70

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

Drilling



Precision joints these days are a matter of selecting the right system. MAFELL's proven duo-dowel principle offers unlimited versatility when it comes to inserting wooden dowels fast. As a very user-friendly, portable machine that uses economical standard dowels, the duo-doweler offers maximum precision, fast and efficient working and absolute torsional strength.



MAFELL

Sawing

Drilling

Sanding

Planing

Mortising

Dust
Extraction

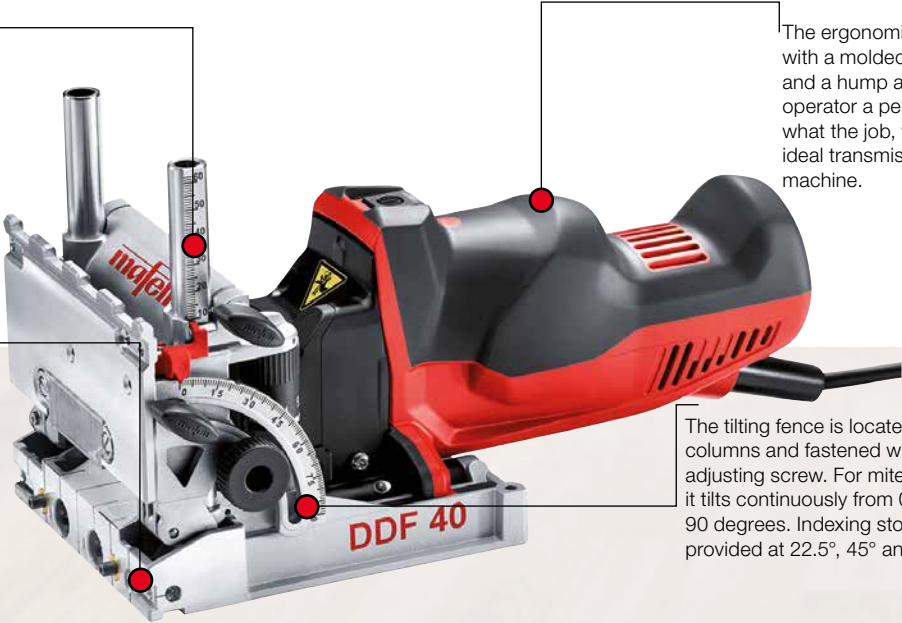
Special

DuoDowel

DDF 40

The rotary knob and scale allow the tilting fence to be accurately repositioned up to a height of 62mm (2 7/16 in.) . Regularly occurring dimensions can be preset by way of the turret.

Two spring-loaded pins in the baseplate enable the user to drill holes at a fixed distance of 15,5mm (5/8 in.) from the edge of the work; repetitive drilling without any measuring or marking is simple.



The ergonomic motor housing, with a molded grip at the front and a hump at the rear, gives the operator a perfect hold no matter what the job, while ensuring the ideal transmission of force to the machine.

The tilting fence is located on two columns and fastened with a single adjusting screw. For miter joints, it tilts continuously from 0 through 90 degrees. Indexing stops are provided at 22.5°, 45° and 67.5°.

Product features

- New ergonomic design for easy handling
- Patented alignment system
- Slimline machine with a flat baseplate

Application area

- All types of joints from 3 - 12 mm (1/8 in. - 1/2 in.)
- Rows of holes
- Drilling for fittings/hardware
- Ideal for carcass and staircase construction in the workshop and on site
- Compatible materials include solid wood and board materials

Product description

The DuoDoweler DDF 40 introduces greater ease and efficiency to the task of drilling accurate dowel holes. Its hallmarks are a broad range of applications, a new ergonomic design for easy handling, and absolutely aligned, stable joints.

Whether in the workshop or on site, no other hand-held power tool can produce such high-quality joints.

When producing corner joints, partitions or rows of holes, the DDF 40 offers not only the precision of a stationary machine, but also the cost savings associated with standard wooden dowels.

In addition, the technique of using dowels in pairs already achieves outstanding stability at the dry assembly stage.

Technical data

Drilling depth	0 – 40 mm
Drill spacing	32 mm
Chuck diameter Ø	8 mm
Tool diameter max.	12,2 mm
Tool diameter min.	3 mm
Tilt range	0 – 90 °
Tool no-load speed	8000 rpm
Nominal power input	900 W (1.2 hp)
Hose connector outside dia.	29 mm
Universal motor	230 V~, 50 Hz
Weight	2,8 kg (6,2 lbs.)
Dimensions (W x L x H)	145 x 300 x 164 mm

DDF 40

Delivery specification

DuoDowel DDF 40 MaxiMAX in T-MAX	918602
DuoDowel DDF 40 MidiMAX in T-MAX	918601

Delivery scope includes

1 Auxiliary rest ZA	
1 Set of additional stops ZAG	
1 Pose connector	
1 Position indicator PAZ	
1 Allen key with handle	093282
1 Glue bottle 250 ml	095059
2 Anti-slip mats	095063
1 Mains cable 4 m	077015

MidiMAX:	
2 Dowel drill bit HW Ø 8 mm	090097
1 pack of wooden dowels 8 x 30 mm, 200 pieces	

MaxiMAX:	
2 Dowel drill bit HW Ø 8 mm	090097
2 Dowel drill bit HW Ø 6 mm	090096
1 Pack of wooden dowels, 8 x 30 mm, 200 pieces	
1 Pack of wooden dowels, 6 x 30 mm, 350 pieces	
1 Dowel nozzle Ø 8 mm	095060
1 Side fence set SA 320	206490
1 Stop pin insert for battens LA	206491

PG A
Price list page 16





The DDF 40 is a slimline machine with a flat baseplate. It produces practical dowel joints with the ease of handling associated with conventional jointers.



The patented alignment system with spring-loaded stop pins in the baseplate has simply been adapted for the new side fence set SA 320.



While other jointing systems always call for additional tooling, the DDF 40 also enables users to produce rows of holes, and holes for hardware, with a spacing of 32 mm.



The proven technique of using dowels in pairs rules out the risk of any twisting movement between the two pieces once they are joined. It also holds the pieces in alignment.

Accessories / Tools

Image	Description	Ref. No.
	Dowel drill bits HW	
	Ø 3 mm	090083
	Ø 5 mm	090089
	Ø 6 mm	090096
	Ø 6,1 mm	090120
	Ø 8 mm	090097
	Ø 8,1 mm	090122
	Ø 8,2 mm	090123
	Ø 10 mm	090098
	Ø 10,1 mm	090124
	Ø 10,2 mm	090125
	Ø 12 mm	090099
	Ø 12,2 mm	090127
	Anti-slip mats 2 pieces, (265 x 175 mm)	095063
	Side fence set SA 320 With edge guide. For machining at a large distance from the edge, in the range 105 – 320 mm	206490
	Stop pin insert for battens LA Stop pin insert for battens LA For drilling narrow battens in the range 14 – 48 mm	206491

Duo-Dowel System

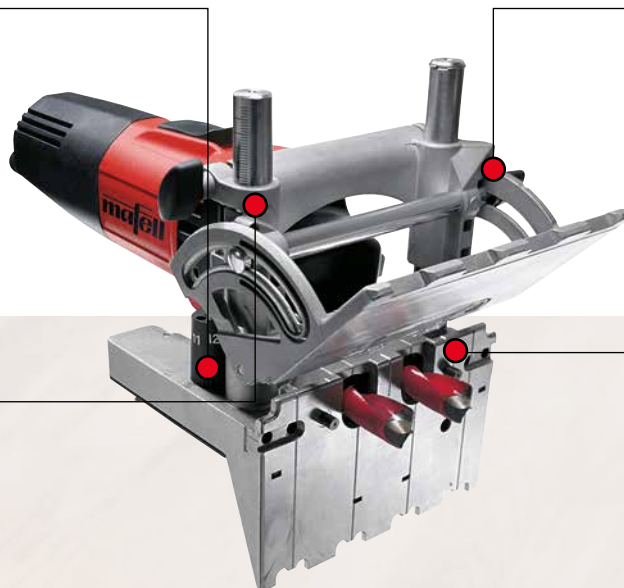
DD40 P

A clear scale for adjusting the material thickness and a turret with six stops enable you to reset the DD40 for a variety of thicknesses in a very short time.

The tilting fence is located and fastened on both sides.

Continuously variable settings for drilling depth, material thickness and joint angle.

Stop system for fast and precise positioning. Retractable stop pins and auxiliary stops facilitate drilling near the edge – without the need for marking.



Product features

- **Easy to use**
- **Additional stop pins**
- **Powerful with 1000 W**

Application area

- All types of joints from 5 - 16 mm (3/16 in. - 5/8 in.)
- Rows of holes
- Drilling for fittings/hardware
- Ideal for carcass and staircase construction in the workshop and on site
- Compatible materials include solid wood and board materials

Product description

The Duo-Dowel Joiner DD40 is the only portable dowel machine on the market. This MAFELL product is unparalleled worldwide.

Thanks to the use of conventional wooden dowels combined with the precise Duo-Dowel Joiner DD40, MAFELL has triggered a revolution in portable joining. Furthermore, the Duo-Dowel System DD40 is faster, more precise and less expensive than any other on the market.

The work is fastened exactly by the dowels, so that clamping is much simpler and quicker, or it can be omitted altogether.

MAFELL's DD40 System is an inclusive product package, comprising the PowerMAX machine in a T-MAX case, wooden dowels, a glue bottle, 2 anti-slip mats and drill bits as standard.

Technical data

Drill depth	0 – 40 mm
Drill spacing	32 mm
Chuck Ø	8 mm
Tool Ø max.	16 mm
Tool Ø min.	5 mm
Tilt range	0 – 90 °
Nominal no-load speed	13500 1/min
Nominal input	1000 W
Extraction connection diameter	35 mm
Weight	2.9 kg

DD40 P

Delivery specification

DuoDowel System DD40 P PowerMAX in the T-MAX	916010
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Delivery scope includes

2 Anti-slip mats, wrapped	095063
1 Bottle for glue 250 ml (without glue)	095059
1 Allen key with handle	093282
1 Auxiliary stops (assortment)	203473
1 Glue nozzle Ø 8 mm	095060
1 Mains cable 4 m	077015
2 Dowel drill bits HW, Ø 8, 10, 12 mm	
1 Pack of wooden dowels, 10 x 40 mm, 100 pieces	
1 Pack of wooden dowels, 12 x 60 mm, 40 pieces	
1 Pack of wooden dowels, 8 x 30 mm, 200 pieces	

PG A

Price list page 16





Fast and accurate:
Edge-to-edge and miter
corner joints.



For use in staircase construc-
tion, in the workshop and on
site.



Quick and economical:
Making carcasses with the
DD40 and dowel template.



Thanks to the auxiliary stops,
the edge spacing can be
decreased or increased
quickly and accurately.

MAFELL

Sawing

Drilling

Sanding

Planing

Mortising

Dust
Extraction

Special

Accessories / Tools

Image	Description	Ref. No.
	Dowel drill bits HW	
	Ø 5 mm	090089
	Ø 6 mm	090096
	Ø 6.1 mm	090120
	Ø 8 mm	090097
	Ø 8.1 mm	090122
	Ø 8.2 mm	090123
	Ø 10 mm	090098
	Ø 10.1 mm	090124
	Ø 10.2 mm	090125
	Ø 12 mm	090099
	Ø 12.2 mm	090127
	Ø 14 mm	090128
	Ø 15 mm	090129
	Ø 16 mm	090085
	Ø 16.2 mm	090130
	Anti-slip mats	095063
	2 pieces, (265 x 175 mm)	
	Dowel drilling template	203980
	with quick acting clamping device 800 mm	
	Dowel drilling template extension	203434
	1600 mm	
	Clamping device	203690
	retrofit kit for dowel template 203057	
	Screw clamp	093281
	for fixing guide rail to workpiece	
	Screw clamp	093280
	with stop	

Cordless Drill Driver

A 12

All the drill drivers have an ideal center of gravity for fatigue-free working – irrespective of the selected attachment or power pack.



Bits and push-fit accessories are inserted directly in the 1/4" drive.

The trigger allows fine adjustment for intricate work.

Thanks to magnetic bit holders, the desired bit is always to hand. Deep sockets avoid accidental losses.

As a result of its outstanding built quality, and the oval shaped handle, the A 12 sits in the hand perfectly.

Product features

- **Extreme Power**
- **Ergo-Balance Principle**
- **Extremely short shape**
- **Excellent power-to-weight ratio**

Application area

- Drilling
- Driving
- Fitting and assembly

Product description

Use of the best materials and first-rate workmanship provide ergonomics and light weight. Hence, the easy to handle multi-talent is the perfect choice for all kinds of interior work.

Tool-free quick-release system for speed and efficiency when alternating between drilling and driving.

The upgraded PowerTanks for our cordless tools feature advanced processor-controlled battery technology. A key advantage lies in continuous monitoring of all the relevant parameters of the individual battery cells, including temperature and charge.

Technical data

Chuck opening	10 mm
Max. drilling diameter in wood / steel	25 / 10 mm
Torque soft / hard	18 / 45 Nm
Nominal no-load speed 1st setting	0 - 510 1/min
Nominal no-load speed 2nd setting	0 - 1.960 1/min
Weight (including battery)	1,0 kg
Voltage rating	12 V
Torque settings	20 + 1
Vibration (measured in metal/reinforced concrete)	<2,5 m/s/-
Noise level dB(A)	72 dB(A)
Sound power level (LwA)	83 dB(A)

Delivery specification

Cordless Drill Driver A 12 in the T-MAX

91D001

Delivery scope includes

- 1 **Quick-release chuck A-SBF 10**
- 1 **Quick-release angle head A-SWV 10**
- 1 **Battery PowerTank 12 M 43**
- 1 **Battery PowerStation APS 10 M**
- 1 **Belt clip**

PG A

Price list page 16





MAFELL ErgoBalance design makes all the difference when working long days or reaching



Maximized use of soft components delivers outstanding grip and safety without burdening the user.



The 20 torque settings are easy to select with the locking collar.



Bright LED lamps with an after-glow effect illuminate a large, and shadow-free working area.

MAFELL

Sawing

Drilling

Sanding

Planing

Mortising

Dust
Extraction

Special

Accessories / Tools

Image	Description	Ref. No.
	Quick-release chuck A-SBF 10 10 mm	209338
	Quick-release bit holder A-SBH	206766
	Quick-release angle head A-SWV 10 up to 100 Nm	206773
	Quick-release eccentric chuck attachment A-SEV	209339
	Battery PowerTank 12 M 43 12 V, 43 Wh (4,0 Ah LiHD)	094508
	Battery PowerTank M	094492
	Battery PowerStation APS M +	094509
	Power-Set 2 2x 18 M 99 LiHD + APS M	209599
	Power-Set 3 2x 18 M 144 LiHD + APS M+	209598

A 18 / ASB 18



Product features

- **Extreme Power**
- **Ergo-Balance Principle**
- **Impulse function**
- **Brushless motor**
- **Pressure-sensitive trigger**

Application area

- Drilling
- Driving
- Percussion drilling (ASB 18I)
- Ideal for construction sites

Product description

To overcome the toughest challenges, we have given the new-generation A 18 and ASB 18 an especially rugged specification and extra power.

Its impact drill function makes the ASB 18 a genuine all-rounder.

The upgraded PowerTanks for our cordless tools feature advanced processor-controlled battery technology. A key advantage lies in continuous monitoring of all the relevant parameters of the individual battery cells, including temperature and charge.

Technical data

	A 18	ASB 18
Clamping collar diameter	43 mm	43 mm
Chuck opening	13 mm	13 mm
Max. drilling diameter in wood / steel	68 / 13 mm	50 / 13 mm
Torque soft / hard	65 / 130 Nm	65 / 130 Nm
Impulse torque (soft)	65 Nm	65 Nm
Nominal no-load speed 1st setting	0 - 560 1/min	0 - 560 1/min
Nominal no-load speed 2nd setting	0 - 1.960 1/min	0 - 1.960 1/min
Weight (including battery)	1.8 kg	1.8 kg
Voltage rating	18 V	18 V
Impact rate	–	38.000 1/min
Torque settings	11	11
Vibration (measured in metal/reinforced concrete)	<2.5 m/s/-	< 2.5 m/s / 15.5 m/s
Noise level dB(A)	72 dB(A)	92 dB(A)
Sound power level (LwA)	88 dB(A)	103 dB(A)

Delivery specification

Cordless Drill Driver A 18 - PURE in the T-MAX	91C802
Cordless Drill Driver A 18 in the T-MAX	91C801
Cordless Impact Drill Driver ASB 18 - PURE in the T-MAX	91C902
Cordless Impact Drill Driver ASB 18 in the T-MAX	91C901

Delivery scope includes

	PURE	T-MAX
1 Quick-release chuck A-SBF 13	x	x
1 Quick-release bit holder A-SBH	x	x
1 Belt clip	x	x
1 Auxiliary handle	x	x
1 Battery PowerTank 18 M 72 LiHD		x
1 Battery PowerTank 18 M 99 LiHD		x
1 Battery PowerStation APS M		x





Two spirit levels clearly indicate the 90° angle when driving screws and drilling – horizontally and vertically.



With more power than before, the 18 V machines make light work of drilling even 68 mm holes in wood.



The electronic anti-kickback function provides extra safety by actively shutting down the motor and protecting the wrist against sudden twisting.



Powerful impact drill functionality delivers excellent results when drilling holes in masonry.

Accessories / Tools

Image	Description	Ref. No.
	Quick-release chuck A-SBF 13 13 mm	206772
	Quick-release bit holder A-SBH	206766
	Angle head A-WV 18 up to 100 Nm	094459
	Torque head A-DMV x3 3:1 ratio	094450
	Battery PowerTank	
	8 M 72 LiHD (18 V, 72 Wh, 4,0 Ah)	094500
	18 M 99 LiHD (18 V, 99 Wh, 5,5 Ah)	094503
	18 M 144 LiHD (18 V, 144 Wh, 8 Ah)	094498
	Battery PowerStation APS M 18 V	094492
	Battery PowerStation APS M+ High-speed charger, 18 V	094509
	Lewis auger bit with hexagonal shank total length 320 mm Ø 6 mm Ø 7 mm Ø 8 mm Ø 9 mm Ø 10 mm Ø 12 mm Ø 14 mm Ø 16 mm Ø 18 mm Ø 20 mm Ø 22 mm Ø 24 mm Ø 26 mm Ø 28 mm Ø 30 mm	090279 090280 090263 090264 090265 090266 090267 090268 090269 090270 090271 090272 090273 090274 090275
	Lewis auger bit with hexagonal shank total length 460 mm Ø 8 mm Ø 10 mm	090251 090252

Image	Description	Ref. No.
	Ø 12 mm Ø 14 mm Ø 16 mm Ø 18 mm Ø 20 mm Ø 22 mm Ø 24 mm Ø 26 mm Ø 28 mm Ø 30 mm	090253 090254 090255 090256 090257 090258 090259 090260 090261 090262
	Lewis auger bit with hexagonal shank total length 650 mm Ø 10 mm Ø 12 mm Ø 14 mm Ø 16 mm Ø 18 mm Ø 20 mm Ø 22 mm Ø 24 mm Ø 26 mm Ø 28 mm Ø 30 mm	090240 090241 090242 090243 090244 090245 090246 090247 090248 090249 090250
	Case with auger bits 650 5 pieces Lewis auger bits Ø 12, 14, 16, 18, 20 mm	093292
	Case with auger bits 460 6 pieces Lewis auger bits Ø 8, 10, 12, 14, 16, 18 mm	093291
	Case with auger bits 320 6 pieces Lewis auger bits Ø 8, 10, 12, 14, 16, 18 mm	093290
	Drilling station BST 320 BST 460 BST 460 S BST 650 S	961210 961211 961215 961216

All auger bits shown here are guaranteed against breakage of the lead screw. Subject to the general guarantee conditions.

BST 320/ BST 460

The tensile force exerted by the polyethylene cable can be individually adjusted, for example, in order to reduce the feed pressure when working horizontally. Once the hole has been drilled, the machine automatically returns to the starting position.



The 80 mm high drill guide comprises six vertically located rollers with an iris-like adjusting mechanism. They enclose the bit without any backlash and thus provide perfect guidance. This arrangement prevents the bit from drifting.

Product features

- **Intelligent drill guide**
- **For series drilling with drilling templates**
- **Single column**
- **With stop system thanks to parallel fence (see special accessories)**

Application area

- Precision and series drilling
- Compatible materials include solid wood and laminated beams

Product description

MAFELL's drilling station not only offers supreme precision, compared with conventional drill jigs, but is also comprehensively revolutionizing drilling operations in solid wood. Its clever design, based on a rugged and lightweight aluminium column, cannot fail to impress.

The single column offers significant benefits: better view of the mark and drill tip, more space for bit changes, and the jamming that can occur during drilling is a thing of the past.

MAFELL is further demonstrating its ability to originate professional solutions, down to the last detail, and its understanding of practical needs. The continuously adjustable drill guide, with six locating elements, enables the drilling station to achieve unprecedented accuracy. As you would expect from MAFELL, the new drilling station is built exclusively from very high-quality materials, so that a long service life is assured.

Technical data

	BST 320	BST 460
Max. tool diameter at 0°	130 mm	130 mm
Max. drill length	320 mm	460 mm
Max. drilling depth	160 mm	300 mm
Drill guide clamping range	8 – 30 mm	8 – 30 mm
Collar diameter	43 mm	43 mm
Weight	4.5 kg	4.8 kg

Delivery specification

Drilling Station BST 320	961210
Drilling Station BST 460	961211





The tensile force exerted by the polyethylene cable can be individually adjusted.



For series drilling and hole patterns, the insertion plate can be replaced by a copying insert. Ideal when working with drilling templates.



Notches to facilitate marking enable you to position the drill with great accuracy.



The parallel fence, typically used for end grain drilling, is an ideal accessory to the face edge stop for series production purposes.

Accessories / Tools

Image	Description	Ref. No.
	Parallel guide fence with face edge stop	204407
	Drilling machine retainer Ø 57 mm	204476
	Copying insert 24.8 / 18 mm	204290
	Special drill bit Ø 25 mm, total length 320 mm, for creating individual drilling templates	090276
	Lewis auger bit with hexagonal shank for BST 460, BST 320 total length 320 mm Ø 6 mm Ø 7 mm Ø 8 mm Ø 9 mm Ø 10 mm Ø 12 mm Ø 14 mm Ø 16 mm Ø 18 mm Ø 20 mm Ø 22 mm Ø 24 mm Ø 26 mm Ø 28 mm Ø 30 mm	090279 090280 090263 090264 090265 090266 090267 090268 090269 090270 090271 090272 090273 090274 090275

Image	Description	Ref. No.
	Lewis auger bit with hexagonal shank for BST 460 total length 460 mm Ø 8 mm Ø 10 mm Ø 12 mm Ø 14 mm Ø 16 mm Ø 18 mm Ø 20 mm Ø 22 mm Ø 24 mm Ø 26 mm Ø 28 mm Ø 30 mm	090251 090252 090253 090254 090255 090256 090257 090258 090259 090260 090261 090262
	Case with auger bits 460 6 pieces Lewis auger bits Ø 8, 10, 12, 14, 16, 18 mm	093291
	Case with auger bits 320 6 pieces Lewis auger bits Ø 8, 10, 12, 14, 16, 18 mm	093290
All auger bits shown here are guaranteed against breakage of the lead screw. Subject to the general guarantee conditions.		

Drilling station

BST 460 S / BST 650 S

The tensile force exerted by the polyethylene cable can be individually adjusted, for example, in order to reduce the feed pressure when working horizontally. Once the hole has been drilled, the machine automatically returns to the starting position.

The S models can be precisely set to $\pm 45^\circ$ in either direction with the aid of a scale; and locked at 0° . The drill tip – at base plate height – always serves as the pivot axis.

The 80 mm high drill guide comprises six vertically located rollers with an iris-like adjusting mechanism. They enclose the bit without any backlash and thus provide perfect guidance. This arrangement prevents the bit from drifting.



Product features

- Tilts through 45° in either direction
- Intelligent drill guide
- For series drilling with drilling templates
- Single column
- With stop system thanks to parallel fence (see special accessories)
- Drill tip is pivot point

Application area

- Precision and series drilling
- Angle drilling
- Compatible materials include solid wood and laminated beams

Product description

MAFELL's drilling station not only offers supreme precision, compared with conventional drill jigs, but is also comprehensively revolutionizing drilling operations in solid wood. Its clever design, based on a rugged and light-weight aluminium column, cannot fail to impress.

The single column offers significant benefits: better view of the mark and drill tip, more space for bit changes, and the jamming that can occur during drilling is a thing of the past.

MAFELL is further demonstrating its ability to originate professional solutions, down to the last detail, and its understanding of practical needs. The continuously adjustable drill guide, with six locating elements, enables the drilling station to achieve unprecedented accuracy. As you would expect from MAFELL, the new drilling station is built exclusively from very high-quality materials, so that a long service life is assured.

Technical data

	BST 460 S	BST 650 S
Max. tool diameter at 0°	130 mm	130 mm
Max. tool diameter at 45°	100 mm	100 mm
Max. drill length	460 mm	650 mm
Max. drill depth	265 mm	455 mm
Drill guide clamping range	8 – 30 mm	8 – 30 mm
Tilting adjustment, both sides	45°	45°
Collar diameter	43 mm	43 mm
Weight	5.0 kg	5.4 kg

Delivery specification

Drilling Station BST 460 S	961215
Drilling Station BST 650 S	961216

PG A
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The S models can be precisely set to $\pm 45^\circ$.



For series drilling and hole patterns, the insertion plate can be replaced by a copying insert. Ideal when working with drilling templates.



Notches to facilitate marking enable you to position the drill with great accuracy. Even when working at an angle, the drill tip always serves as the pivot axis.



The parallel fence, typically used for end grain drilling, is an ideal accessory to the face edge stop for series production purposes.

Accessories / Tools

Image	Description	Ref. No.	Image	Description	Ref. No.
	Parallel guide fence with face edge stop	204407		Lewis auger bit with hexagonal shank for BST 650 S total length 650 mm	
				Ø 10 mm	
				Ø 12 mm	090240
				Ø 14 mm	090241
				Ø 16 mm	090242
				Ø 18 mm	090243
				Ø 20 mm	090244
				Ø 22 mm	090245
				Ø 24 mm	090246
				Ø 26 mm	090247
				Ø 28 mm	090248
				Ø 30 mm	090249
					090250
	Drilling machine retainer Ø 57 mm	204476			
	Copying insert 24.8 / 18 mm	204290			
	Special drill bit Ø 25 mm, total length 320 mm, for creating individual drilling templates	090276		Case with auger bits 650 5 pieces Lewis auger bits Ø 12, 14, 16, 18, 20 mm	093292
	Lewis auger bit with hexagonal shank for BST 650 S, BST 460 S, BST 460, BST 320 total length 320 mm			Case with auger bits 460 6 pieces Lewis auger bits Ø 8, 10, 12, 14, 16, 18 mm	093291
	Ø 6 mm	090279		Case with auger bits 320 6 pieces Lewis auger bits Ø 8, 10, 12, 14, 16, 18 mm	093290
	Ø 7 mm	090280			
	Ø 8 mm	090263			
	Ø 9 mm	090264			
	Ø 10 mm	090265			
	Ø 12 mm	090266			
	Ø 14 mm	090267			
	Ø 16 mm	090268			
	Ø 18 mm	090269			
	Ø 20 mm	090270			
	Ø 22 mm	090271			
	Ø 24 mm	090272			
	Ø 26 mm	090273			
	Ø 28 mm	090274			
	Ø 30 mm	090275			
	Lewis auger bit with hexagonal shank for BST 650 S, BST 460 S total length 460 mm				
	Ø 8 mm	090251			
	Ø 10 mm	090252			
	Ø 12 mm	090253			
	Ø 14 mm	090254			
	Ø 16 mm	090255			
	Ø 18 mm	090256			
	Ø 20 mm	090257			
	Ø 22 mm	090258			
	Ø 24 mm	090259			
	Ø 26 mm	090260			
	Ø 28 mm	090261			
	Ø 30 mm	090262			

Sanding



All the sanders built by MAFELL are equipped with powerful motors. Thanks to the company's expertise and unwavering commitment to satisfying professional users' needs, the MAFELL sanders are indispensable tools.



MAFELL

Sawing

Drilling

Sanding

Planing

Mortising

Dust
Extraction

Special

Orbital sander

UVA 115 E

The UFB-1 is made of an extremely tear-resistant, anti-static PP non-woven material. The filter's high air throughput reduces the residual dust to as little as 3%.

Clean all-round. Side channels in the sanding pad make dust extraction even more effective. This arrangement complements the extraction that takes place underneath the sanding plate.

Absorbers isolate the main parts of the machine that are held by hand, so that vibration generated by the sander is not transmitted to the user. This protects the user against a health hazard and makes working with the machine more pleasant.



Product features

- With vibration absorber
- High built-in extraction efficiency
- With Delta sanding function
- In T-MAX case

Application area

- Coarse and fine sanding
- Sanding between coats
- Flat surfaces
- Compatible materials include solid wood and paint

Product description

For sanding plastic or painted surfaces, the speed can be electronically adjusted and locked. This option avoids excessive heat and sticking of the sanding paper.

The armature of the MAFELL motor is new. Together with the new sanding pad mounting, it was designed specifically for the needs of the UVA 115 E. This orbital sander is also very effectively sealed against dust, which contributes to its long service life.

Soft grip surfaces prevent the user's hand from slipping. Besides improving safety, they take the fatigue out of working with the UVA 115 E.

The machine is connected to a dust extraction system by way of a standard 35 mm connector.

Technical data

Sanding disk area	115 x 230 mm
Sanding stroke	2.6 mm
Nominal No. of strokes – no load	2000 – 12000 1/min
Nominal power input	450 W
Extraction connection diameter	35 mm
Weight	2.7 kg
Vibration	< 2.5 m/s ²
Universal motor	230 V/50 Hz

UVA 115 E

Delivery specification

Orbital sander UVA 115 E in T-MAX	917401
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Delivery scope includes

- 1 Universal filter bag UFB-1
- 1 Sanding pad Delta 105 for quick-fit sanding paper
- 1 Set of Abranet® abrasive mesh strips:
 - 1 x P 60/P 80/P 100/P 120/P 150/P 180/P 240/P 320
 - 1 Sheet of abrasive mesh Abranet® Delta 105, P 120
 - 1 Interface pad UVA-SA 10 (10 x holes), 115 x 230 mm
 - 1 Interface pad UVA-SA Delta 105
- 1 Allen Key 5 mm
- 1 Mains cable 4 m

087323

PG A
Price list page 19





In corners, on edges and wherever access is restricted – but detail and precision are essential – the Delta sanding pad effortlessly ensures perfect results.



Very fine surfaces or high removal rates – in combination with the appropriate Abranet® abrasive mesh, the UVA is extremely versatile.



Sanding paper easy to change. The T-MAX case accommodates the UVA 115 E upside-down in a fixed position to facilitate changing.



The mechanical clamp for sanding paper supplied on rolls fixes the paper exactly so that it cannot sag.

Accessories / Tools

Image	Description	Ref. No.
	Abranet®* abrasive mesh hook and loop, 115 x 230 mm with interface pad in every pack	
	HD P 60, 20 sheets	093410
	P 80, 35 sheets	093411
	P 100, 40 sheets	093412
	P 120, 40 sheets	093413
	P 150, 40 sheets	093414
	P 180, 40 sheets	093415
	P 240, 40 sheets	093416
	P 320, 40 sheets	093417
	Interface pad UVA-SA 10 (10 x perforated) 115 x 230 mm	093420
	Abranet®* abrasive mesh Set Delta 105 3 x P 80 / 3 x P 120 / 3 x P 180	093418
	Interface pad UVA-SA D Delta 105	093421
	Universal filter bags UFB-1 5 bags	205570

* Abranet® abrasive mesh is setting new technical standards as it facilitates practically dust-free sanding. With around 16,000 holes, the sanding sheet ensures highly efficient dust extraction. The sheet therefore has an extended service life, and the work environment is kept clean. In addition, the health benefits of a dust-free working conditions are not to be overlooked.

Orbital Disk Sander

EVA 150 E

Absorbers isolate the main parts of the machine that are held by hand, so that vibration generated by the sander is not transmitted to the user. This protects the user against a health hazard and makes working with the machine more pleasant.

Thanks to the ergonomic auxiliary handle, the user can accurately guide the EVA 150 E with both hands, no matter what the sanding task. The handle can be detached when it is not required.

Adjustable edge protection effectively avoids damage to both the workpiece and the sanding pad of the EVA 150 E.

In combination with the multi-perforated sanding pad, powerful self-extraction creates a low-dust and safe working environment. As a consequence, the abrasive disc is less prone to clogging, disc life is prolonged, and work outcomes are improved.

Product features

- Integrated vibration absorbers
- Highly effective built-in extraction
- Supplied in T-MAX case

Application area

- Coarse sanding
- Sanding between coats
- Fine sanding
- Curved surfaces
- Compatible materials include boards, solid wood, paint, drywall adhesive, veneered surfaces

Product description

The EVA 150 E is the random orbital sander of choice for a high removal rate, a clean working environment, and outstanding work outcomes. An excellent finish is produced on all types of wood and board, as well as paint and other coatings, drywall adhesive and similar fillers.

It offers a 20 percent higher speed than conventional random orbital sanders, which appreciably increases the removal rate. As a result, given the same quality of surface, you can perform the work up to 20 percent quicker and ultimately save costs.

The new random orbital sander from MAFELL is also ideal for continuous operation. With a vibration emission value of less than 2.5 m/s², the EVA 150 E can be operated more or less without interruption. Soft grip surfaces ensure good control of the sander in every working position and give the machine a satisfying and secure "feel".

Technical data

	EVA 150 E/3	EVA 150 E/5
Sanding disk size	Ø 150 mm	Ø 150 mm
Sanding stroke	3 mm	5 mm
Nominal No. of strokes – no load	6000 – 12000 1/min	6000 – 12000 1/min
Nominal power input	350 W	350 W
Extraction connection diameter	35 mm	35 mm
Weight	2.1 kg	2.1 kg
Vibration	< 2.5 m/s ²	< 2.5 m/s ²
Universal motor	230 V/50 Hz	230 V/50 Hz

Delivery specification

Orbital Disk Sander EVA 150 E/3 in T-MAX	917701
Orbital Disk Sander EVA 150 E/5 in T-MAX	917710

Delivery scope includes

- 1 Universal filter bag UFB-1
- 1 Set of Abranet® abrasive mesh discs::
1 x HD P 60 / P 80 / P 100 / P 120 / P 150 / P 180 / P 240 / P 320
- 1 Soft sanding pad
- 1 EVA-SA interface pad
- 1 Auxiliary handle
- 1 Edge guard
- 1 Allen Key 5 mm
- 1 Mains cable 4 m

087323

PG A
Price list page 19





For coarse sanding, the EVA 150 E/5 is the ideal choice. The 5 mm stroke and a speed of 12,000 rpm represent the perfect combination for this kind of work.



For fine sanding and when sanding between coats, a stroke of 3 mm makes the EVA 150 E/3 particularly adept.



The compensating soft interface pad enables you to produce an outstanding finish on concave and convex surfaces. The foamed material smooths out any unevenness and ensures consistent sanding outcomes.



Abranet® abrasive mesh is setting new standards. Around 24,000 perforations in the sanding disc facilitate extremely efficient dust extraction. Among the other benefits are a prolonged disc service life.

Accessories / Tools

Image	Description	Ref. No.	Image	Description	Ref. No.
	Abranet® abrasive mesh HD P 60 hook and loop, Ø 150 mm, with interface pad in every pack 20 pieces	093447		Sanding pad EVA-ST-H hard	093455
	Abranet® abrasive mesh hook and loop, Ø 150 mm with interface pad in every pack P 80, 35 sheets P 100, 40 sheets P 120, 40 sheets P 150, 40 sheets P 180, 40 sheets P 240, 40 sheets P 320, 40 sheets	093448 093449 093450 093451 093452 093453 093454		Sanding pad EVA-ST-S soft	093457
	Interface pad EVA-SA Ø 150 mm	093446		Universal filter bags UFB-1 5 bags	205570
	Soft interface pad SAL-1 hook and loop, for curved surfaces	093459	* Abranet® abrasive mesh is setting new technical standards as it facilitates practically dust-free sanding. With around 16,000 holes, the sanding sheet ensures highly efficient dust extraction. The sheet therefore has an extended service life, and the work environment is kept clean. In addition, the health benefits of a dust-free working conditions are not to be overlooked.		

Planing



When planing edges or rebating doors during assembly work or in the workshop, professionals need machines on which they can depend. High-quality results are expected every time, especially when working on site. MAFELL has developed its planers to satisfy precisely these aspirations.



MAFELL

Sawing

Drilling

Sanding

Planing

Mortising

Dust
Extraction

Special

Electric Hand Planer

MHU 82



Product features

- **Powerful motor**
- **Built-in extraction**
- **Available with fold-away support**

Application area

- Planing and rebating
- Cutting width up to 82 mm
- Compatible materials include solid wood

Product description

The Electric Hand Planer for professionals! At 12000 rpm, this model gives your workpiece an impressively clean surface.

The performance data of the MHU 82 are something to be proud of: 82 mm (3 1/4 in.) planing width, 22 mm (7/8 in.) rebate depth and planing depth of up to 3 mm (1/8 in.).

Also with the MHU 82: The 800 watt (1.1 hp) high-powered motor was developed, and is produced and assembled at MAFELL, to give the planer the right pulling power.

With the MHU 82-SET you can even carry out stationary work!

Technical data

Planing width	82 mm
Planing depth	0 – 3 mm
Rebate depth	22 mm
Cutter head diameter	59.5 mm
Nominal no-load speed	12000 1/min
Nominal input	800 W
Extraction connection diameter	35 mm
Weight	3.4 kg
Universal motor	230 V/50 Hz

MHU 82

Delivery specification

Electric Hand Planer MHU 82	912701
Electric Hand Planer MHU 82 in the T-MAX	912710

Delivery scope includes

1 Hose connector inner Ø 38 mm	033679
1 Reversible knife 1 pair, TCT	091696
1 Single-end spanner 8 mm	093258
1 Mains cable 4 m	087323



Accessories / Tools

Image	Description	Ref. No.
	Reversible knives 1 pair, HL	091696
	Reversible knives 3 pairs, HL	091697
	Fence with straight angle attached, 90° fixed	036858
	Dust bag	033707
	Hose connector inner Ø 38 mm (1 1/2 in.)	033679

Carpenter's Beam Planers

ZH 205 Ec / ZH 245 Ec

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

Practical lightweight, ergonomic handle ensures exemplary handling.

With guide rollers - for maximum utilisation of the planing width.

Disposable reversible knife system means no more time-consuming planing knife adjustment.



Product features

- With CUPrex, the high-performance motor
- Unrivalled power development
- Excellent chip ejection
- Practical handle arrangement

Application area

- Cutting width up to 208 mm (ZH 205 Ec)
- Cutting width up to 248 mm (ZH 245 Ec)
- Compatible materials include solid wood

Product description

This one really eats its way through! With unique, stepless planing depth from 0 to 4 mm (0 - 3/16 in.).

The new chip ejector with excellent chip removal via enhanced air flow and new air duct makes blockages due to wet chips a thing of the past!

With its lightweight design, the solid cast construction weighs only 13.2 kg (29.5 lbs) and 12.5 kg (27.6 lbs) respectively.

The MAFELL light current motor offers ample reserves, offering a whole new planing experience.

As with most MAFELL machines, the intelligent control electronics keep watch in the background. For smooth start-up and constant speed under load, speed reduction to protect the machine without load, and overload protection.

Technical data

	ZH 205 Ec	ZH 245 Ec
Planing width	208 mm	248 mm
Planing depth	0 – 4 mm	0 – 4 mm
Cutter head diameter	74 mm	74 mm
Nominal no-load speed	8500 1/min	8500 1/min
Nominal input	2300 W	2500 W
Weight	12.5 kg	13.4 kg
Universal motor	230 V/50 Hz	230 V/50 Hz

Delivery specification

Carpenter's Beam Planer ZH 205 Ec	925201
Carpenter's Beam Planer ZH 245 Ec	925101

Delivery scope includes

- 1 Reversible knives**
1 pair, HL for the ZH 205 Ec
- 1 Wendemesser**
1 pair, HL for the ZH 245 Ec
- 1 Single-end spanner 8 mm**
- 1 Mains cable 4 m**

PG B
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With guide rollers - for maximum utilisation of the planing width.



The immense chip volume is blown out with the aid of an enhanced air-flow with new rotating air duct.



Supreme power for chip removal from 0 to 4 mm (0 - 3/16 in.).



The tool for replacing knives is mounted directly on the machine.

Accessories / Tools

Image	Description	Ref. No.
	ZH 205 Ec:	
	Reversible knives 1 pair, HL	091897
	Reversible knives 3 pairs, HL	091898
	Clamping device 1 piece, for 091897, 091898	203325
	Knife support 1 pair, for 091897, 091898	091797

Image	Description	Ref. No.
	ZH 245 Ec:	
	Reversible knives 1 pair, HL	091895
	Reversible knives 3 pairs, HL	091896
	Clamping device 1 piece, for 091895, 091896	203319
	Knife support 1 pair, for 091895, 091896	091796



Carpenter's Beam Planers

ZH 320 Ec

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

Practical lightweight, ergonomic handle ensures exemplary handling.

With guide rollers - for maximum utilisation of the planing width.

Disposable reversible knife system means no more time-consuming planing knife adjustment.



Product features

- With CUPrex, the high-performance motor
- Excellent chip ejection
- Practical handle arrangement

Application area

- Cutting width up to 320 mm (12 5/8 in.)
- Compatible materials include solid wood

Product description

The new chip ejector with excellent chip removal via enhanced air flow and new air duct makes blockages due to wet chips a thing of the past!

Thanks to the development of the 2700 watt (3.6 hp) motor, it is now possible to achieve a 320 mm (12 5/8 in.) planing width with a light current motor.

Due to the consistent lightweight design, the solid cast construction weighs only 14 kg (30.9 lbs).

As with most MAFELL machines, the intelligent control electronics keep watch in the background. For smooth start-up and constant speed under load, speed reduction to protect the machine without load and overload protection.

After switching off, the highly efficient tool brake stops the cutter head in seconds. Just a detail, but important for your continued safety after planing.

Technical data

Planing width	320 mm
Planing depth	0 – 3 mm
Cutter head diameter	74 mm
Nominal no-load speed	8500 1/min
Nominal input	2700 W
Weight	14 kg
Universal motor	230 V / 50 Hz

ZH 320 Ec

Delivery specification

Carpenter's Beam Planer ZH 320 Ec	924401
-----------------------------------	--------

Delivery scope includes

1 Reversible knives	091791
1 pair, HL	
1 Single-end spanner 8 mm	093258
1 Mains cable 4 m	087378

PG B

Price list page 20





With guide rollers - for maximum utilisation of the planing width.



New chip ejector with extractor connection for 75/80 mm (2 15/16 / 3 1/8 in.) extraction hose.



Energy-saving work due to ergonomic handle design.



The immense chip volume is blown out with the aid of an enhanced air-flow with new rotating air duct.

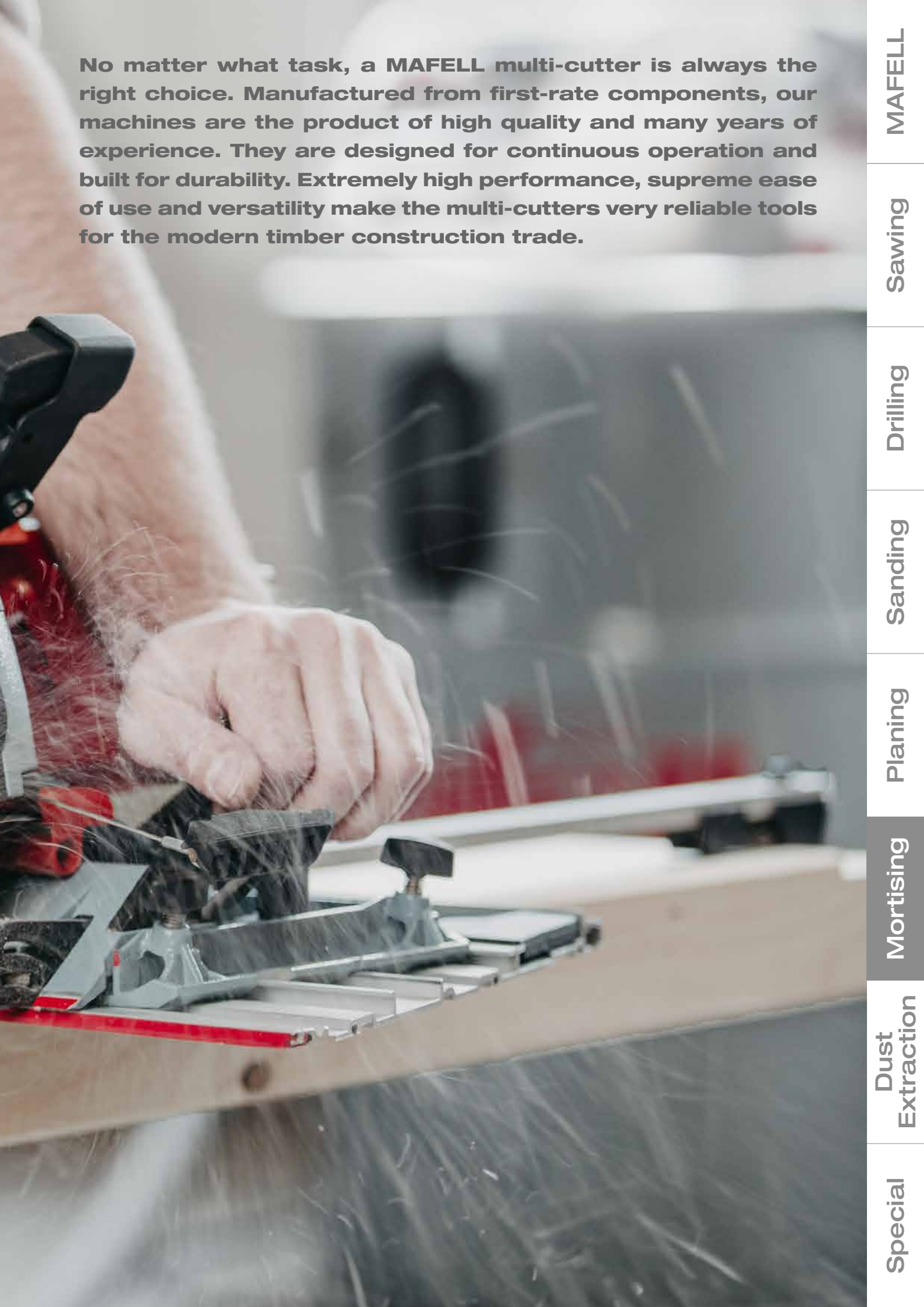
Accessories / Tools

Image	Description	Ref. No.
	Reversible knives 1 pair, HL	091791
	Reversible knives 3 pairs, HL	091889
	Clamping device 1 piece, for 091791, 091889	202295
	Knife support 1 pair, for 091791, 091889	091790



Mortising





No matter what task, a MAFELL multi-cutter is always the right choice. Manufactured from first-rate components, our machines are the product of high quality and many years of experience. They are designed for continuous operation and built for durability. Extremely high performance, supreme ease of use and versatility make the multi-cutters very reliable tools for the modern timber construction trade.

MAFELL

Sawing

Drilling

Sanding

Planing

Mortising

Dust
Extraction

Special

Hand Router

LO 55

It could hardly be easier or quicker: to insert a different router bit, simply release the locking lever, exchange the bit and park the lever.

The hose connector is integrated in the baseplate. This arrangement reliably captures chips as they are produced.



The cutting depth is permanently fixed. Pressing the Permafix button releases the lock for easy adjustment.

No matter what the light conditions, the wide array of LEDs illuminates the working area perfectly.

The parallel fence and inserts are locked with the two wing screws in the baseplate.

Product features

- Tool-less bit changes
- With Permafix for convenient cutting depth adjustment
- With Deboost function for speed reduction
- With revolving depth stop

Application area

- Routing grooves using the parallel fence
- Recesses
- Chamfering
- Rows of holes
- Routing rebates
- Compatible materials include solid wood and board materials

Product description

Want to know what a whole new world of versatility looks like? Then cast a glance at the LO 55. In view of its exemplary operation, it's the ideal partner for every task both in the workshop and on site. Discover the broad application scope for yourself and unleash your creativity.

Our Ergo-Balance principle focuses on you, the user. As a machine, the LO 55 is perfectly balanced; vibrations and their transmission are simply avoided.

Graduated turrets with height fixing for recurring machining depths. For dovetail joints, the cutting depth can be additionally fixed.

Use of the router adapter LO-FA and guide rail F-LR allows you to drill rows of holes with reliability and precision. For rapid progress, simply deactivate the Permafix lock.

Technical data

Cutting depth	0 – 55 mm
Chuck Ø	8 mm
Nominal no-load speed	10000 – 24000 1/min
Nominal input	1100 W
Extraction connection diameter	29 mm
Weight	3,1 kg
Universal motor	230 V / 50 Hz

LO 55

Delivery specification

Hand Router LO 55 in the MAX3

91A901

Delivery scope includes

- 1 Parallel guide fence with fine adjustment
- 1 Chip deflector
- 1 Copying ring 20 mm
- 1 Copying ring 30 mm
- 1 Copying ring 40 mm
- 1 Copying ring adapter
- 1 Extraction hose adapter
- 1 Extraction hose adapter for rail F
- 1 Mains cable 4 m

PG A
Price list page 22





Completely new and exclusive to MAFELL: the innovative bit change routine gets you ready to work in a matter of seconds. Release the locking lever, change the bit, park the lever – job done. Without any tools!



The Deboost function for reducing the speed ensures rapid and neat progress when machining end grain.



Fast and precise progress facilitated by tool-less bit changes and fine adjustments done on the parallel fence.



MAFELL IPC is the name of the new digital electronic system. It supports restart and overload protection, as well as constant speed under load. Color LEDs provide information about the functions and operating states.

Accessories / Tools

Image	Description	Ref. No.	Image	Description	Ref. No.
	Reduction sleeve Ø 8 mm / Ø 6 mm Ø 8 mm / Ø 1/4"	207946 207947		Non-slip profile F-HP 6,8M 6,8 m long	204376
	Copying ring Ø 17 mm Ø 24 mm	209851 209850		Splinter guard F-SS 3,4M 3,4 m long	204375
	Adapter for hand router LO-FA 2 guide rods 1 height adjuster incl. 2 locking screws 1 parallel fence with 2 cheeks 2 Kick back stop 1 cover for guide rail groove	207200		Lever clamp F-SZ 180MM 2 pieces, for fixing rail to work piece	207770
	Guide rail LR F 80-LR , 0,8 m long F 160-LR , 1,6 m long	207600 207601		Router bit set LO-FS8 6T 1 FF-45°, 45° x D31 x NL9.5 x S8 1 AF-R4.8, R4.8 x D22.2 x NL13.2 x S8 1 AF-R2, R2 x D16.7 x NL12.7 x S8 1 BF-D12.7, D12.7 x NL25.7 x S8 1 NF-D10, D10 x NL25.4 x S8 1 NF-D16 Z2+1, D16 x NL45 x S8	090283
	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			
	Connecting piece F-VS for joining two guide tracks	204363			
	Angle fence F-WA	205357			
	Guide pocket F 160 for guide rails up to 1.6 m	204626			
	Guide pocket set: 2 x F 160 + F-VS + 2 x F-SZ 180MM + 1 guide pocket	204805			
	Guide pocket set: F 80 + F 160 + F-WA + F-VS + 2 x F-SZ 180MM + guide pocket	204749			
	End caps F-EK 2 pieces	205400			

Hand Router

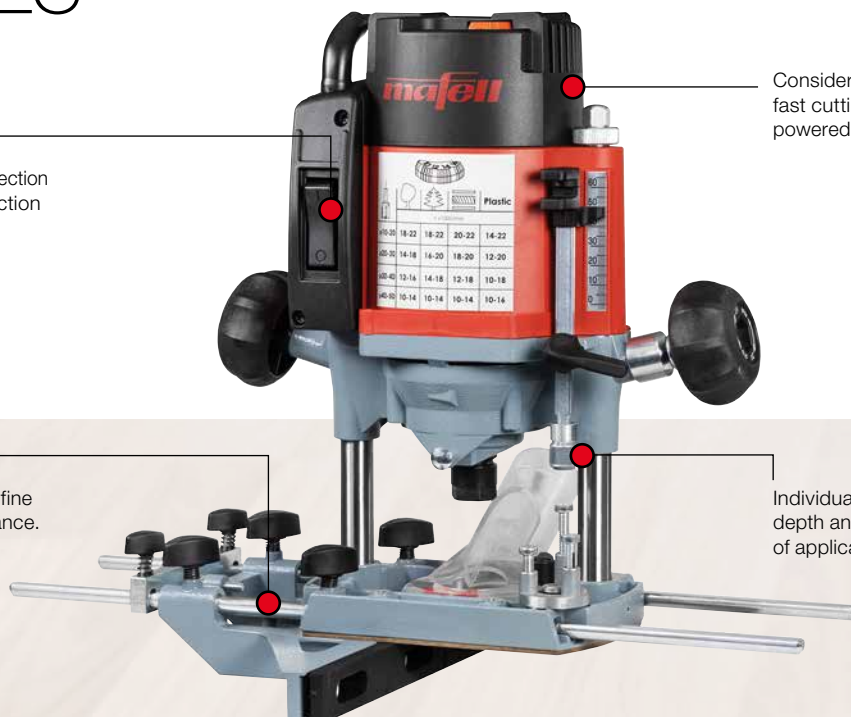
LO 65 Ec

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

Considerable time-saving – due to fast cutting with the CUprex high-powered 2600 watt (3.0 hp) motor.

Twin-guide parallel fence with fine adjustment – for precise guidance.

Individual setting of speed, cutting depth and guide – for a wide variety of applications.



Product features

- With CUprex, the high-performance motor
- 65 mm (2 9/16 in.) cutting depth
- With revolving depth stop

Application area

- Profiling and cutting grooves
- Cutting for fittings/hardware
- Dovetail joints (Lignatool, Arunda)
- For routing stair housings
- Compatible materials include solid wood and board materials

Product description

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.

The coordinated, optimised components enable the machine to be used for filigree work requiring absolute precision. The fine adjustment of the cutting depth can be fixed exactly, making refinishing an exception.

The groove in the base plate permits flush trimming of edge bands without any additional attachments.

To replace the cutter quickly and easily, simply turn the LO 65 Ec upside down. A standard spindle locking mechanism is fitted as a matter of course.

Technical data

Cutting depth	0 – 65 mm
Chuck Ø	1/2" / 6 – 12 mm
Nominal no-load speed	10000 – 22000 1/min
Nominal input	2600 W
Extraction connection diameter	35 mm
Weight	6.9 kg
Universal motor	230 V / 50 Hz

LO 65 Ec

Delivery specification

Hand Router LO 65 Ec MaxiMAX in the T-MAX	91C701
Hand Router LO 65 Ec MidiMAX in the T-MAX	91C702

Delivery scope includes

1 Parallel guide fence with fine adjustment (MaxiMAX)	204310
1 Template guide Ø 30 mm	038971
1 Collet (MaxiMAX) 8 mm	093256
1 Adapter with internal shaft M 12 x 1	201575
1 Chip collector	204325
1 Revolving depth control turret (MaxiMAX)	
1 Single-end spanner 22 mm	093012
1 Mains cable 4 m	087885

PG A

Price list page 22





The LO 65 Ec in daily use.



Adjusting the cutting depth by means of three-position revolving depth control turret.



The output of the digital electronic CUprex motor is continuously variable to suit a wide range of materials and cutter diameters.



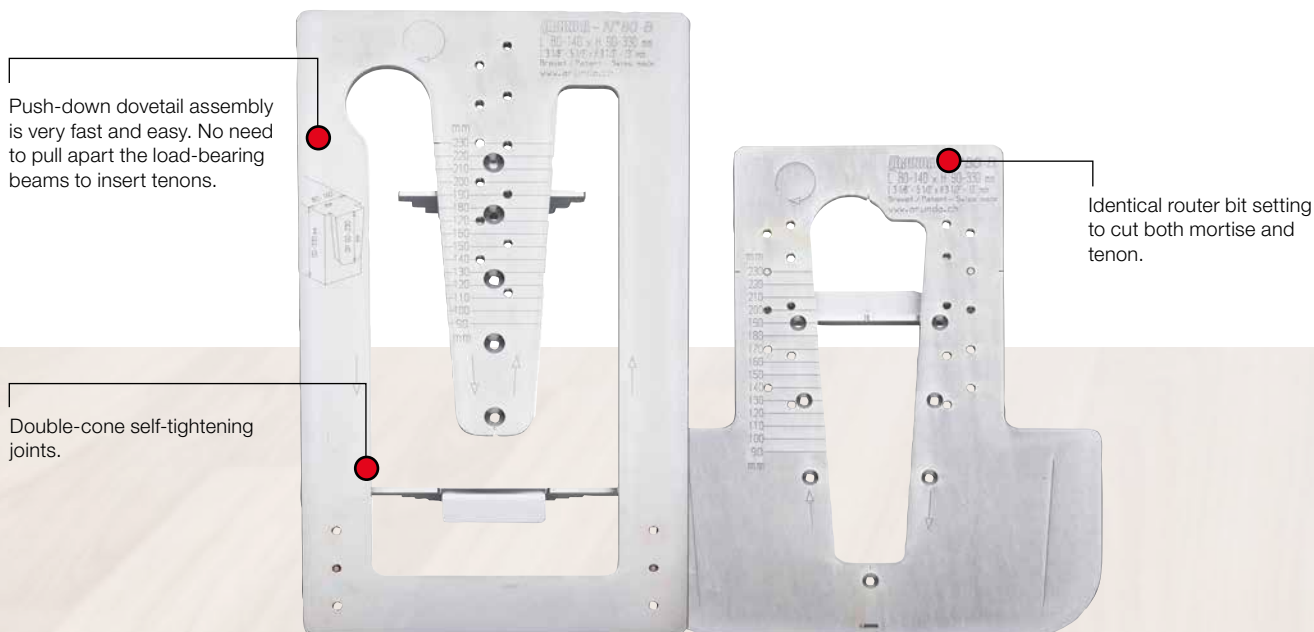
The Mafell adapter for hand router LO-FA can be used as a milling pocket stop, guide rail adapter, rip fence or compass.

Accessories / Tools

Image	Description	Ref. No.
	Template guide	
	Ø 27 mm	038988
	Ø 30 mm	038971
	Ø 40 mm	038989
	Collet	
	6 mm	093257
	8 mm	093256
	10 mm	093255
	12 mm	093254
	1/2"	093276
	1/4"	093279
	Adapter for router bit with internal shaft M 10	039363
	Adapter for router bit with internal shaft M 12 x 1	201575
	Adapter for hand router LO-FA	207200
	2 guide rods	
	1 height adjuster incl. 2 locking screws	
	1 parallel fence with 2 cheeks	
	2 Kick back stop	
	1 cover for guide rail groove	
	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
	End caps F-EK 2 pieces	205400
	Connecting piece F-VS for joining two guide tracks	204363
	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.
	Kick back stop	202867
	Lever clamp F-SZ 180MM	207770
	2 pieces, for fixing rail to work piece	

Arunda class B



Product features

- Class B with fixed 90° fences
- Up to 2'100 kg
- Timber widths from 40 to 300 mm

Application area

- dovetailed wood-to-wood joints
- Perpendicular joints on floor joists or rafter (roof system).
- Just as easy to use in the work-shop as on the job site.

Product description

Arunda® is a system for manually making dovetailed wood-to-wood joints to assemble timber frame structures.

All you need is a pair of Arunda® jigs (one for the tenon and the other for the mortise), a powerful Mafell router LO 65 Ec equipped with the special Arunda® cutter and some accessories.

There are several models available but only one size will be selected to fit your most commonly used timber widths. Keep in mind: The bigger the joint, the greater and better its resistance!

Technical data

Tenon on timber width (Nr. 160)

Timber height (Nr. 160)

Timber section (Nr. 160)

Tenon on timber width (Nr. 120)

Timber height (Nr. 120)

Timber section (Nr. 120)

Tenon on timber width (Nr. 80)

Timber height (Nr. 80)

Timber section (Nr. 80)

Tenon on timber width (Nr. 60-1)

Timber height (Nr. 60-1)

Timber section (Nr. 60-1)

Tenon on timber width (Nr. 50)

Timber height (Nr. 50)

Timber section (Nr. 50)

Arunda

150 – 300 mm

90 – 400 mm

150x90 – 300x400 mm

120 – 200 mm

90 – 380 mm

120x90 – 200x380 mm

80 – 140 mm

90 – 330 mm

80x90 – 140x330 mm

60 – 120 mm

max. 600 mm

max. 120x600 mm

40(45) – 100 mm

90 – 330 mm

40x90 – 100x330 mm

Delivery specification

Miling templates Arunda 50B Maxi	91A701
Miling templates Arunda 50B Midi	91A711
Miling templates Arunda 80B Maxi	91A702
Miling templates Arunda 80B Midi	91A712
Miling templates Arunda 120B Maxi	91A703
Miling templates Arunda 120B Midi	91A713
Miling templates Arunda 160B Maxi	91A704
Miling templates Arunda 160B Midi	91A714
Miling templates Arunda 60-1B Maxi	91A705
Miling templates Arunda 60-1B Midi	91A715

Delivery scope includes

	Midi	Maxi
1 Pair of jigs	x	x
1 Burr milling cutter		x
1 Guide ring		x
1 Expensions plate		x
1 Positioning gauge		x
2 Pairs of blades		x
1 Wooden box	x	x



Dovetailed joints on floor joists or rafter (roof system)



Perpendicular joints on floor joists or rafter (roof system).



Speed. 8 to 18 mortise/tenon joints per hour.



The Arunda system is delivered in a practical wooden box.

MAFELL

Sawing

Drilling

Sanding

Planing

Mortising

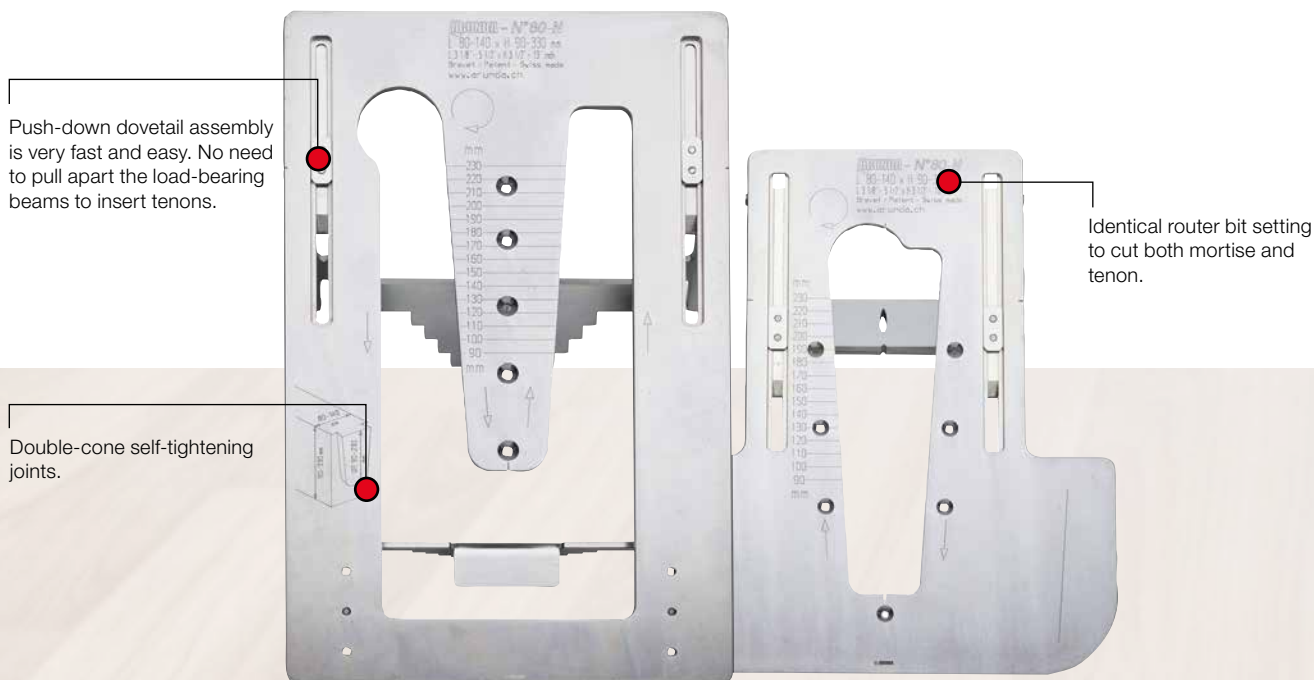
Dust Extraction

Special

Accessories / Tools

Image	Description	Ref. No.
	Adapter for router bit M12x1	208279
	Arunda dovetail bit Standard - 26 with reversible blades and screw driver	091430
	Arunda blade Standard-26 reversible carbide blade HM 5 pairs, skin-wrapped	091431
	Guide ring Standard - 26 for LO 65 Ec + 2 screws	093781
	Expansion plate with screws Ø 240, for jigs 50B, 50N, 80B, 80N, GTD Ø 280, for jigs 120B, 120N Ø 290, for jigs 60-1B, 160B	093782 093783 093784
	Positioning gauge Standard 26 Trio	093785
	ARUNDA fast lever clamp 40x14 cm	093786
	Adjustable female fence 50B 80B 120B 160B 50N 80N 120N	093774 093775 093776 093777 093778 093779 093780

Arunda class N



Product features

- Class “N” with tilting fences(+50°/90°/-50°)
- Up to 2'100 kg
- Timber widths from 40 to 300 mm

Application area

- dovetailed wood-to-wood joints
- Perpendicular or angled joints on floor joists or rafter (roof system).
- Just as easy to use in the work-shop as on the job site.

Product description

Arunda® is a system for manually making dovetailed wood-to-wood joints to assemble timber frame structures.

All you need is a pair of Arunda® jigs (one for the tenon and the other for the mortise), a powerful Mafell router LO 65 Ec equipped with the special Arunda® cutter and some accessories.

There are several models available but only one size will be selected to fit your most commonly used timber widths. Keep in mind: The bigger the joint, the greater and better its resistance!

Technical data

Tenon on timber width (Nr. 120)
Timber height (Nr. 120)
Timber section (Nr. 120)

Tenon on timber width (Nr. 80)
Timber height (Nr. 80)
Timber section (Nr. 80)

Tenon on timber width (Nr. 50)
Timber height (Nr. 50)
Timber section (Nr. 50)

Arunda

120 – 200 mm
90 – 380 mm
120x90 – 200x380 mm

80 – 140 mm
90 – 330 mm
80x90 – 140x330 mm

40(45) – 100 mm
90 – 330 mm
40x90 – 100x330 mm

Delivery specification

Miling templates Arunda 50N Maxi	91A706
Miling templates Arunda 50N Midi	91A716
Miling templates Arunda 80N Maxi	91A707
Miling templates Arunda 80N Midi	91A717
Miling templates Arunda 120N Maxi	91A708
Miling templates Arunda 120N Midi	91A718

Delivery scope includes

	Midi	Maxi
1 Pair of jigs	x	x
1 Burr milling cutter		x
1 Guide ring		x
1 Expansions plate		x
1 Positioning gauge		x
2 Pairs of blades		x
1 Wooden box	x	x



Dovetailed joints on floor joists or rafter (roof system)



Perpendicular or angled joints on floor joists or rafter (roof system).



Speed. 8 to 18 mortise/tenon joints per hour.



The Arunda system is delivered in a practical wooden box.

MAFELL

Sawing

Drilling

Sanding

Planing

Mortising

Dust Extraction

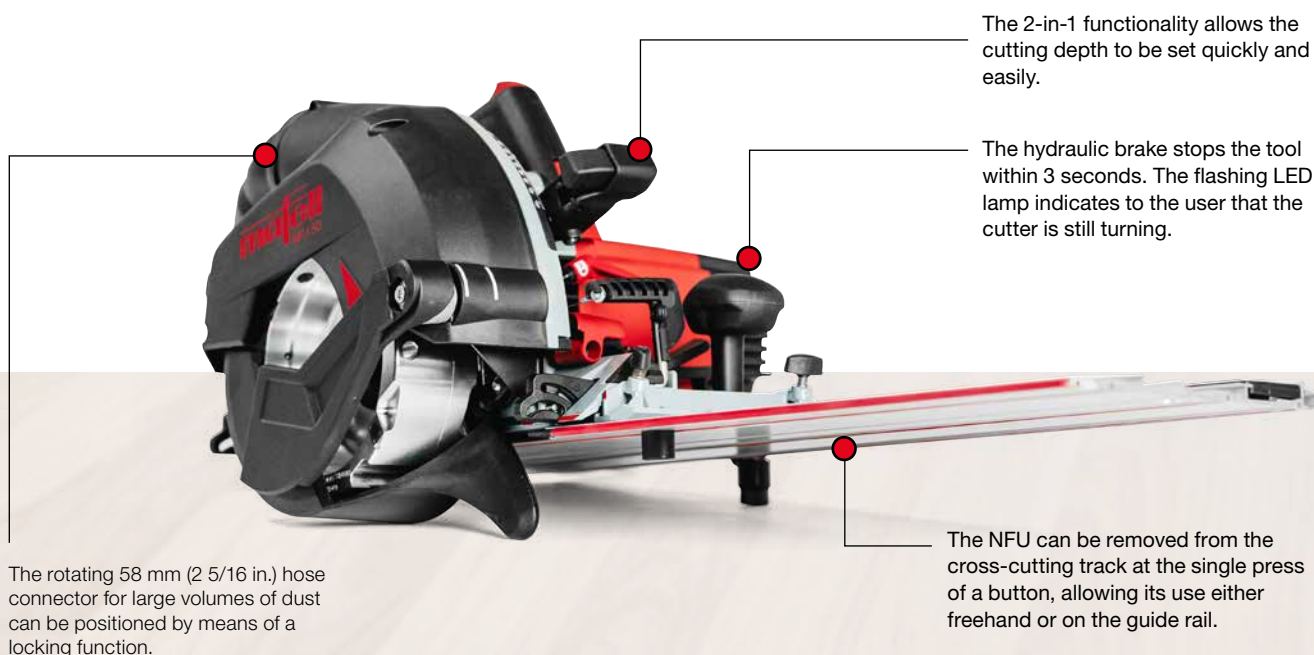
Special

Accessories / Tools

Image	Description	Ref. No.
	Adapter for router bit M12x1	208279
	Arunda dovetail bit Standard - 26 with reversible blades and screw driver	091430
	Arunda blade Standard-26 reversible carbide blade HM 5 pairs, skin-wrapped	091431
	Guide ring Standard - 26 for LO 65 Ec + 2 screws	093781
	Expansion plate with screws Ø 240, for jigs 50B, 50N, 80B, 80N, GTD Ø 280, for jigs 120B, 120N Ø 290, for jigs 60-1B, 160B	093782 093783 093784
	Positioning gauge Standard 26 Trio	093785
	ARUNDA fast lever clamp 40x14 cm	093786
	Adjustable female fence 50B 80B 120B 160B 50N 80N 120N	093774 093775 093776 093777 093778 093779 093780

Groove cutting machine

NFU 50



Product features

- With CUprex, the high-performance motor
- Special machine for grooves
- Compatible with guide rail system F

Application area

- Lengthwise and crosswise grooves
- Frieze blocks (with guide)
- Panels in half-timbered buildings, false floors
- Birdsmouth joints up to 45°
- Tenon
- Compatible materials include solid wood and board materials

Product description

The Groove cutting machine NFU 50 offers flexibility of use and is an all-rounder capable of executing an enormous range of timber construction tasks. An extensive range of accessories opens up further possibilities for day-to-day work.

The design of the NFU 50 is characterized by the use of extremely rugged, high-quality and precision-made parts, including the lightweight magnesium die-cast housing and impact-resistant, fiber glass-reinforced plastic components. It also features clever technical details to help you meet the rigors of the job.

Technical data

Nominal voltage	230 V
Nominal power input	2300 W
Cutting depth at 0° with guide track	0 - 44 mm
Cutting depth at 0° without guide track	0 - 50 mm
Tilting range	0 - 45°
No-load-Speed	5900 1/min
Weight with guide track	9,4 kg
Dimensions (W x L x H) with guide L	370 x 810 x 280 mm
Cutting length with guide L	370 mm

NFU 50

Delivery specification

Groove cutting machine NFU 50	918701
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Delivery scope includes

1 cutter head Ø 163 x 60 mm	091901
1 position indicator NFU-PA	207467
1 side fence SA 625	207183
1 parallel fence	207468
1 guide track L max. milling length 370 mm	208171
2 repeat fence	206026
1 allen key SW 6	207496
1 screwdriver Torx T15	093274
1 main cable 10 m	





The NFU 50's sheer strength and outstanding motive power permits cuts 60 mm wide and 50 mm deep.



Grooves measuring 22 mm to 40 mm can be produced using the expanding groove cutter available as an optional accessory.



The NFU 50 can also be used as a skew notch and tenon cutter.



Individual tenons can be executed effortlessly with the NFU 50 and Guide track L.

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		Pair of adapters for parallel fence	037195
	Connecting piece F-VS for joining two guide tracks	204363		Parallel fence K 85-PA	205323
	Angle fence F-WA	205357		Roller edge guide K 85-UA	205166
	Bag for guide rail F 160 for guide rail up to 1.6 m	204626		Universal guide (Schifterschiene)	202069
	Bag for guide rail-Set: 2 x F 160 + F-VS + 2 x F-SZ 180 MM + Bag for guide rail	204805		Machine holder S200-MH	207164
	Bag for guide rail-Set: F 80 + F 160 + F-WA + F-VS + 2 x F-SZ 180 MM + Bag for guide rail	204749		Extraction hose 5 m Ø 49mm with hose connector 58mm , Ø 66mm bayonet catch, static dissipative	093730
	End caps F-EK 2 pieces	205400		Side fence SA 625	207183
	Non-slip profile F-HP 6,8M 6,8 m long	204376		Cutter head Ø 163 x 60 mm	091901
	Splinter guard F-SS 3,4M 3,4 m long	204375		Reversible knife 14 x 14 x 2 mm (12 required)	201927
	Lever clamp F-SZ 180MM 2 pieces, for fixing rail to work piece	207770		Expanding groove cutter Ø 163 x 22 – 40 mm	091899
	Guide rail 3 m long (2 parts + connecting piece)	037037		Guide track L max. milling length 370 mm	208171
	Guide rail 3 m long (one part)	200672			
	Guide rail extension 1,5 m long	036553			

Multi-Cutter

MF 26 cc

Turn the adjusting screw to set the cutting depth on the sliding scale with an accuracy of 1/10 mm.

The guard opens with a single action. When it is opened, the starting lockout and sawblade lock engage automatically.

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

Enhanced precision assured – The glider slides on the surface of the workpiece and thus prevents tilting. It helps to hold the MF 26 cc securely in position when it is mounted on the guide rail as well. When bending and folding aluminum composite panels and wallboard in particular, the glider ensures exact cutting depth accuracy.



Product features

- With CUPrex, the high-performance motor
- 26 mm (1 in.) cutting depth
- Compatible with guide rail system F
- Hinged guard facilitates fast tool changes

Application area

- Lengthwise and crosswise grooves
- V-grooves
- For routing wallboard prior to folding, bending techniques
- Routing and folding techniques with aluminum composite panels, sawing
- Compatible materials: solid wood, MDF, drywall, aluminum composite panels

Product description

The design of the MF 26 cc is characterized by the use of extremely rugged, high-quality and precision-made parts, including the lightweight magnesium die-cast housing and impact-resistant, fiber glass-reinforced plastic components.

The MF 26 cc multi-router can also be used with a saw blade up to 26 mm on the guide rail.

Whether sawing, routing or cutting grooves, genuine precision is best achieved with the aid of the guide rail system F.

Continuously variable speed up to 6250 rpm. For shaping, sawing and slotting an abundance of different materials.

Technical data

Cutting depth	0 – 26 mm
Nominal no-load speed	3600 – 6250 1/min
Nominal input	1400 W
Extraction connection diameter	35 mm
Weight	4.9 kg (GF-MAX)/5.0 kg (AF-MAX)
Universal-motor	230 V/50 Hz

MF 26 cc

Delivery specification

Multi-Cutter MF 26 cc GF-MAX in the T-MAX	917802
Multi-Cutter MF 26 cc AF-MAX in the T-MAX	917801

Delivery scope includes

1 Parallel guide fence	206038
1 Mains cable 4 m	087323

GF-MAX:

1 TCT saw blade	092558
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120 x 1.2/1.8 x 20 mm, AT, 24 teeth
for universal use in wood

1 Wallboard cutter MF-GF 90/15	206590
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for 90° V-grooves up to 15 mm deep
(incl. 2 position indicators)

AF-MAX:

1 TCT saw blade	092559
------------------------	---------------

120 x 1.2/1.8 x 20 mm, FT/TT, 40 teeth
for fine cuts in wood

1 Aluminum composite cutter MF-AF 90	206076
---	---------------

for 90° V-grooves up to 8 mm deep
(incl. 2 position indicators and 1 chip deflector)

PG A
Price list page 23





Equipped with the MF-VN 25, the multicutter can produce grooves for risers or service ducts efficiently and quickly.



The MF-AF 90 can be used for routing and folding techniques, as applied in facade construction and with sign boards.



Three slots can be cut in one pass with the MF-SE 3. This quick and simple bending technique is applied to produce curved elements.



The MF-GF 90/15 cuts 90° V-grooves with very little dust; by gluing the cut faces, sturdy corner paneling is produced in just a few steps.

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		Expanding groove cutter MF-VN 25 Cutting width 15.4 – 25 mm	206074
	Connecting piece F-VS for joining two guide rails	204363		Reversible TCT knife (4 pieces required)	206064
	Angle fence F-WA	205357		Chamfer knives (4 pieces required)	201930
	Guide pocket F 160 for guide rails up to 1.6 m	204626		Wallboard cutter MF-GF 45 for 45° V-grooves up to 15 mm deep (incl. 2 position indicators)	205562
	Guide pocket set: 2 x F 160 + F-VS + 2 x F-SZ 180MM + 1 guide pocket	204805		Chamfer knives (6 pieces required)	201930
	Guide pocket set: F 80 + F 160 + F-WA + F-VS + 2 x F-SZ 180MM + guide pocket	204749		Wallboard cutter MF-GF 90/15 for 90° V-grooves up to 15 mm deep (incl. 2 position indicators)	206590
	End cap F-EK 2 pieces	205400		Reversible TCT knife (2 pieces required)	206067
	Non-slip profile F-HP 6.8M 6.8 m long	204376		Chamfer knives (4 pieces required)	201930
	Splinter guard F-SS 3.4M 3.4 m long	204375		Aluminum composite cutter up to 8 mm deep	
	Screw clamp F-SZ 180MM for fixing guide rail to workpiece, 2 pieces	207770		MF-AF 90° (for 90° V-grooves)	206076
	Suction hose LW 35 4 m long, anti-static, for use when machining solid wood	093717		MF-AF 135° (for 135° V-grooves)	206600
	Kick back stop F-RS	202867		*(incl. 2 position indicators and 1 chip deflector)	
	Roller edge guide MF-UA	206073		Slotting head MF-SE 3 for cutting 3 slots up to 26 mm on guide rail F	206072
				TCT sawblade 120 x 1.2/1.8 x 20 mm, AT, 12 teeth, for rip cuts in wood	092558
				TCT sawblade 120 x 1.2/1.8 x 20 mm, AT, 24 teeth, for universal use in wood	092560
				TCT sawblade 120 x 1.2/1.8 x 20 mm, TT, 40 teeth, for laminates	092578
				TCT sawblade 120 x 1.2/1.8 x 20 mm, FT/TT, 40 teeth, for fine cuts in wood	092559

* Guide track M and ML see page 123.

Multi-Cutter

MF 26 cc / 400

Turn the adjusting screw to set the cutting depth on the sliding scale with an accuracy of 1/10 mm.

The guard opens with a single action. When it is opened, the starting lockout and sawblade lock engage automatically.

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

The MF 26 cc / 400 is permanently attached to guide 400, so that the multi-cutter and the rail form an integral unit.

Product features

- With guide track 400
- One machine – five applications
- Compatible with guide rail system F
- Hinged guard facilitates fast tool changes

Application area

- Lengthwise and crosswise grooves
- V-grooves
- For routing wallboard prior to folding, bending techniques
- Routing and folding techniques with aluminum composite panels, sawing
- Compatible materials: solid wood, MDF, drywall, aluminum composite panels

Product description

The design of the MF 26 cc is characterized by the use of extremely rugged, high-quality and precision-made parts, including the lightweight magnesium die-cast housing and impact-resistant, fiber glass-reinforced plastic components.

The MF 26 cc multi-router can also be used with a saw blade up to 26 mm on the guide rail.

Whether sawing, routing or cutting grooves, genuine precision is best achieved with the aid of the guide rail system F.

Continuously variable speed up to 6250 rpm. For shaping, sawing and slotting an abundance of different materials.

Technical data

MF 26 cc/400

Cutting depth	0 – 26 mm
Nominal no-load speed	3600 – 6250 1/min
Nominal input	1400 W
Extraction connection diameter	35 mm
Weight	6.3 kg
Universal motor	230 V/50 Hz

Delivery specification

Multi-Cutter MF 26 cc / 400 in carrying case	917804
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Delivery scope includes

1 TCT saw blade	092558
120 x 1.2/1.8 x 20 mm, AT, 24 teeth, for universal use in wood	
1 Expanding groove cutter MF-VN 25	206074
Cutting width 15.4 - 25 mm	
1 Parallel guide fence	206038
1 Guide track M	208170
max. milling length 400 mm	
1 Mains cable 4 m	087323





When cutting crosswise grooves, typically for risers or shelves, use of the guide 400 is recommended.



Stops are provided on the underside of the rail for adjusting the angle according to the scale.



Once the machining operation has been performed, a spring automatically returns the multicutter to the starting position.



Service ducts can be cut in soft fiberboard quickly and without any dust with the MF-VN 25 expanding groove cutter.

Accessories / Tools

Image	Description	Ref. No.	Image	Description	Ref. No.	
	Guide rail			Expanding groove cutter MF-VN 25	206074	
	F 80, 0.8 m long	204380		Cutting width 15,4 – 25 mm		
	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		Chamfer knives (4 pieces required)	201930	
	Angle fence F-WA	205357		Wallboard cutter MF-GF 45 for 45° V-grooves up to 15 mm deep (incl. 2 position indicators)	205562	
	Guide pocket F 160 for guide rails up to 1.6 m	204626		Chamfer knives (6 pieces required)	201930	
	Guide pocket set: 2 x F 160 + F-VS + 2 x F-SZ 180MM + 1 guide pocket	204805				
	Guide pocket set: F 80 + F 160 + F-WA + F-VS + 2 x F-SZ 180MM + guide pocket	204749				
	End cap F-EK 2 pieces	205400		Wallboard cutter MF-GF 90/15 for 90° V-grooves up to 15 mm deep (incl. 2 position indicators)	206590	
	Non-slip profile F-HP 6.8M 6.8 m long	204376		Reversible TCT knife (2 pieces required)	206067	
	Splinter guard F-SS 3.4M 3.4 m long	204375		Chamfer knives (4 pieces required)	201930	
	Screw clamp F-SZ 180MM for fixing guide rail to workpiece, 2 pieces	207770		Aluminum composite cutter up to 8 mm deep		
				MF-AF 90° (for 90° V-grooves)	206076	
				MF-AF 135° (for 135° V-grooves)	206600	
				*(incl. 2 position indicators and 1 chip deflector)		
	Suction hose LW 35 4 m long, anti-static, for use when machining solid wood	093717		Slotting head MF-SE 3 for cutting 3 slots up to 26 mm on guide rail F	206072	
	Kick back stop F-RS	202867		TCT sawblade 120 x 1.2/1.8 x 20 m, AT, 12 teeth, for rip cuts in wood	092558	
	Roller edge guide MF-UA	206073		TCT sawblade 120 x 1.2/1.8 x 20 mm, AT, 24 teeth, for universal use in wood	092560	
	Guide track M max. milling length 400 mm	208170		TCT sawblade 120 x 1.2/1.8 x 20 mm, TT, 40 teeth, for laminates	092578	
	Guide track ML max. milling length 770 mm	204378		TCT sawblade 120 x 1.2/1.8 x 20 mm, FT/TT, 40 teeth, for fine cuts in wood	092559	

Door Lock Mortiser

SKS 130

Two clear guide systems – for doors with and without upstand.

Two special mortising chains in opposite directions – for tear-free work and optimum chip flow.



Handy, ergonomic, compact construction – for on-site work on mounted doors.

Product features

- Clean, quick, tear-free cuts
- For use on the construction site

Application area

- Cutting mortises for lock cases (installation of safety locks)
- Compatible materials include doors made of wood and wood-based materials, solid wood

Product description

The SKS 130 – the world’s first portable special machine for mortising door locks.

The security needs of many house and apartment owners have increased considerably, so that more and more security locks are being fitted.

At 1600 watts (2.1 hp), the SKS 130 cuts door locks of all sizes – completely tear-free!

The SKS 130 is clamped onto a large surface of the door. Due to the Pertinax/rubber surface of the clamping device, the door surface remains protected, whether mounted on site or in the workshop.

Technical data

Mortising depth	145 (130) mm
Mortising width	14, 16, 18 mm
Mortising length	78 mm
Stroke/working travel	175 mm
Nominal no-load speed	5770 1/min
Nominal input	1600 W
Extraction connection diameter	35 mm
Weight	10.6 kg
Universal motor	230 V / 50 Hz

SKS 130

Delivery specification

Door Lock Mortiser SKS 130 in carrying case with 14 mm chain set	915502
Door Lock Mortiser SKS 130 in carrying case with 16 mm chain set	915501
Door Lock Mortiser SKS 130 in carrying case with 18 mm chain set	915503

Delivery scope includes

2 Chain bars	091000
2 Mortising chains	
2 Sprockets	091002
1 Allen key 5 mm	093278
1 Mains cable 4 m	087323





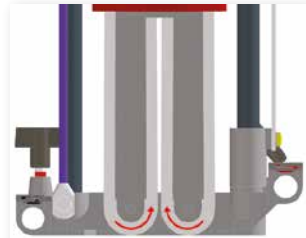
The chain bars are maintenance-free and do not need to be re-greased.



Mortising lengths of 78 mm (3 1/16 in.) and mortising widths of 16 mm (5/8 in.) are possible with one cut. Wider and longer slots can also be made to the exact millimeter by following up with the SKS 130.



No longer a problem: quick, precise lock mortising is now possible on a mounted door.



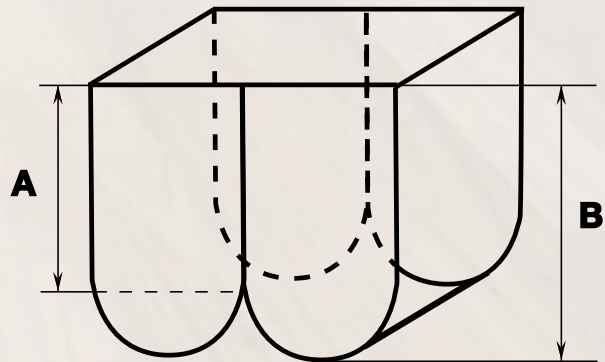
Two special mortising chains in opposite directions ensure tear-free work and optimum chip flow.

Accessories / Tools

Image	Description	Ref. No.
	Chain bar 14 – 18 mm	091000
	Sprocket 14 – 18 mm	091002
	Mortising chain 14 x 38 x 150 mm 16 x 38 x 150 mm 18 x 38 x 150 mm	091003 091001 091004
	Replacement chain links and rivets 14 mm 16 mm 18 mm	091005 091006 091007

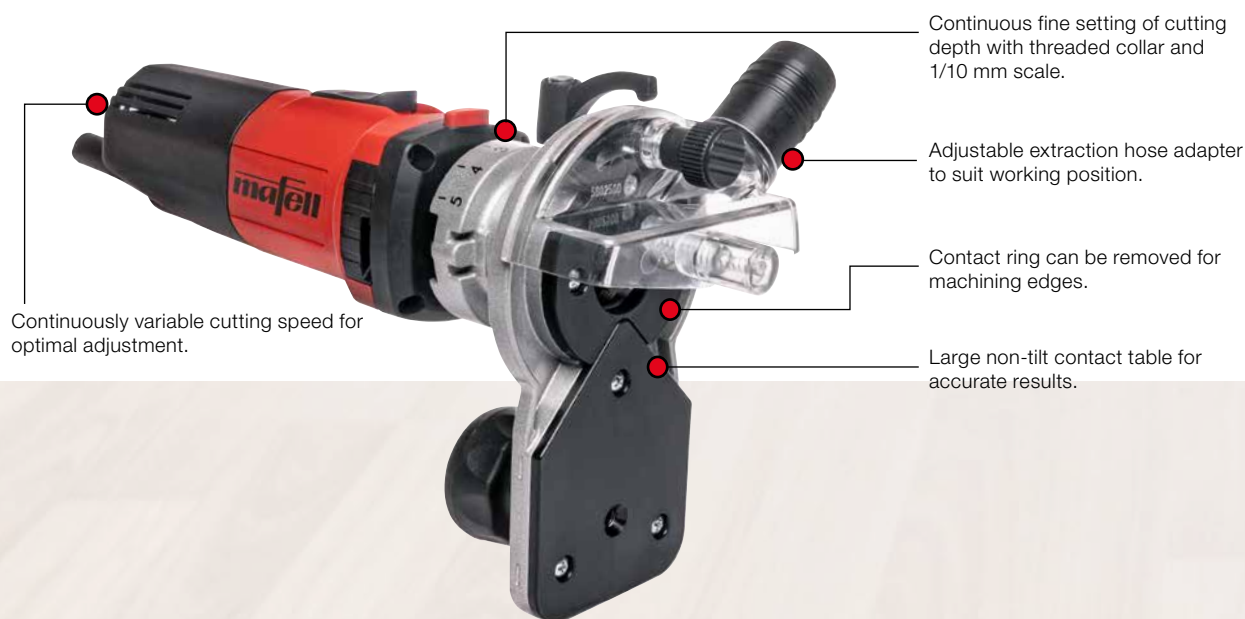
Mortising depths

Mortising depth A: 130 mm
Mortising depth B: 145 mm



Edge router

KF 1000



Continuously variable cutting speed for optimal adjustment.

Continuous fine setting of cutting depth with threaded collar and 1/10 mm scale.

Adjustable extraction hose adapter to suit working position.

Contact ring can be removed for machining edges.

Large non-tilt contact table for accurate results.

Product features

- **Extremely quiet operation: noise level only 71 dB (A)**
- **Spindle lock for simple cutter changes**
- **Made in Germany**

Areas of application

- Ideally suited for finishing flush and profiled edges
- For solid wood, plastics and veneer

Product description

Digital electronics support smooth starting, constant speed under load, no-load speed reduction and overload protection.

The labyrinth seal permanently protects the spindle and bearing from even the smallest particles, dust and chips.

Technical data

Universal motor	230 V / 50 Hz
Nominal power consumption	1000 W
Clamping collar	43 mm
Collet chuck	8 mm
Dimensions L x H x W	103 x 226 x 328 mm
Nominal idling speed	4.000 – 25.000 1/min
Weight	2,1 kg
Sound pressure level db (A)	71 dB

Ausführungen

Edge router KF 1000	91C501
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Lieferumfang

1 Union nut	093729
1 Collet chuck OZ 8 mm	093734
1 Support plate for 43 mm clamping collar	
1 Extraction hose adapter	
1 Spanner 17 mm	
1 Mains cable 4 m	





Large contact table allows steady machining, even of beveled edges.



Plug-in fence serves as reliable guide when machining corners.



With sensitive materials, a friction ring brake prevents ugly machining marks.



Even solid wood edges can be machined with commercially available cutters.

Accessories / Tools

Image	Description	Ref. No.
	Surface cutter Ø 19 mm	090282
	Set of Collets OZ, 8 6 mm contains collet and collet nut	093826
	Set of Collets OZ, 8 8 mm contains collet and collet nut	093825

Surface Shaver

PF 80

The spindle lock is easily accessible by way of a top-mounted pushbutton.



Product features

- **Powerful**
- **Rugged**
- **Precise**

Application area

- Planing plugs and pellets used to repair knotholes and cracks
- Smooth planing
- For wood and epoxy resin

Product description

The surface shaver PF 80 developed by MAFELL bears the quality seal of a product made in Germany. Thanks to outstanding quality and well-conceived details, you can depend on the MAFELL surface shaver.

The speed can be infinitely adjusted to any application. In addition, the digital electronics are equipped with soft start, constant speed under load, idle speed reduction and overload protection.

Technical data

Cutting diameter	80 mm
Nominal power input	1,050 W
Universal motor	230 V / 50 Hz
Nominal speed – no load	4,200 – 10,000 rpm
Dimensions L x W x H	160 x 350 x 155 mm
Noise level	84 dB (A)
Operating height (finger guard)	8 mm
Weight	3.1 kg

Delivery specification

Surface shaver PF 80 in T-MAX case

91D401

Delivery scope includes

1 hose connector
1 cable 4 m



The chain bars are maintenance-free and do not need to be re-greased.



Mortising lengths of 78 mm (3 1/16 in.) and mortising widths of 16 mm (5/8 in.) are possible with one cut. Wider and longer slots can also be made to the exact millimeter by following up with the SKS 130.



No longer a problem: quick, precise lock mortising is now possible on a mounted door.



Two special mortising chains in opposite directions ensure tear-free work and optimum chip flow.

Accessories / Tools

Image	Description	Ref. No.
	Reversible TCT knives	034907

Mortising depths

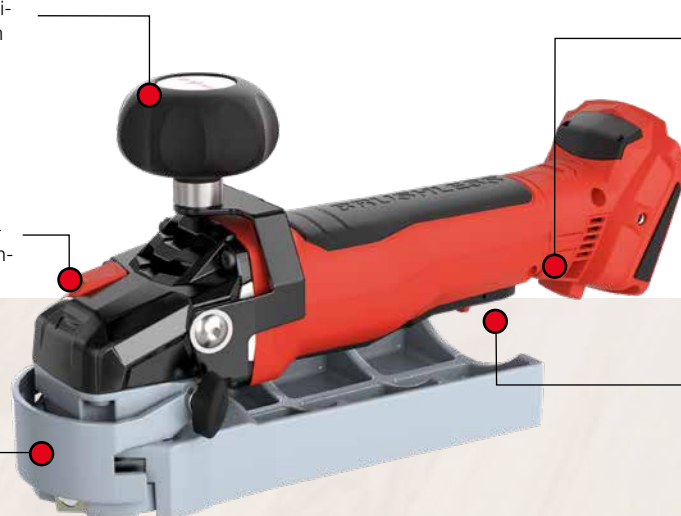
Cordless surface shaver

PF 80-18

The handle position enables intuitive handling and ensures optimum power transmission to the base plate.

The spindle lock is easily accessible by way of a top-mounted push-button.

The protective bonnet can be folded upwards without tools for flush milling.



The battery pack can be rotated in 90° increments for optimum ergonomics in any working position.

Ergonomically integrated - the paddle switch with dead man's function for safe handling.

Product features

- **Folding protective bonnet for flush milling**
- **Fast braking system for high user safety**
- **Portable CAS 18 V Li-Ion technology**
- **Optimum balance for clean and even work**

Application area

- Planing plugs and pellets used to repair knotholes and cracks
- Smoothing and flattening in restoration work and staircase construction
- For solid wood, hard wood and epoxy resin

Product description

The surface shaver PF 80-18 developed by MAFELL bears the quality seal of a product made in Germany. Thanks to outstanding quality and well-conceived details, you can depend on the MAFELL surface shaver.

The latest generation brushless motor is service-free and highly efficient.

The motor is equipped with a fast braking system for maximum user safety.

The electronic circuitry ensures great ease of use. It features smooth starting, a safety cutout in case the cutter gets stuck, and restart protection to

Technical data

Tool diameter	80 mm (3 1/8 in.)
Nominal No. of strokes – no load	10.000 1/min
Dimensions W x L x H	160 x 316 x 162 mm (6 5/16x12 7/16x6 3/8 in.)
Noise level	81 dB (A)
Weight without battery	2,8 kg (6,2 lbs)

Delivery specification

Cordless surface shaver PF 80-18 PURE in MAX3 **9M2102**

Delivery scope includes

- 1 Hose connector**
- 1 Pin spanner A35 DIN3116**
- 1 Screw driver T20**

Accessories / Tools

Mortising depths

Image	Description	Ref. No.
	Reversible TCT knives	034907
	Battery-PowerTank 18 M 72 LIHDX LI-ION (118V, 72 WH (LIHDX))	094523
	18 M 99 LIHD LI-ION (18V, 99 WH (LIHD))	094503
	18 M 144 LIHD LI-ION (18V, 144 WH (LIHD))	094498
	Battery-PowerTank 18 M 72 LIHD LI-ION, 18V, 72 WH (LIHD)	094500
	Battery-PowerTank 18 M 144 LIHDX LI-ION, 18V, 144 WH (LIHDX)	094520
	Battery-PowerStation APS M 18 V	094492
	Akku-PowerStation APS M+ Schnell-Ladegerät	094509
	Power-Set 1 2X 18 M 72 LIHD + APS M	209596
	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 2 X 18 M 144 LIHDX + APS M+	212615

Cordless gutter bracket router

RF 34-18



The battery pack can be rotated in 90° increments for optimum ergonomics in any working position.

Ergonomically integrated - the paddle switch with dead man's function for safe handling.

The cutting depth is variably adjustable from 6 - 10 mm and can be set precisely using a scale.

The chip ejector is firmly aligned to the rear for a clear view of the machining surface.

Product features

- Variable cutting depth
- Portable CAS 18 V Li-Ion technology
- Most robust design

Application area

- For flush mounting of gutter brackets
- Solid timber, KVH structural timber

Product description

Cordless router for quickly and accurately cutting grooves to accommodate gutter brackets. Facilitates flush mounting of concealed brackets.

The latest generation brushless motor is service-free and highly efficient.

The motor is equipped with a fast braking system for maximum user safety.

The electronic circuitry ensures great ease of use. It features smooth starting, a safety cutout in case the cutter gets stuck, and restart protection to prevent unintentional starting after a battery change.

Technical data

Cutting width	34 mm (1 5/16 in.)
Cutting depth	6 - 10 mm (1/4 - 3/8 in.)
Dimensions W x L x H	150 x 350 x 180 mm (5 7/8x13 3/4x7 1/16 in.)
Noise level	81 dB (A)
Tool Ø	100 mm (3 15/16 in.)
Weight without battery	3,2 kg (7,1 lbs)

SKS 130

Delivery specification

Cordless gutter bracket router RF 34-18 PURE in MAX3 9M2202

Delivery scope includes

1 Screw driver SW4

Accessories / Tools

Mortising depths

Image	Description	Ref. No.
	VReversible TCT knives 21 X 21 X 5,5, pcs.	212682
	Battery-PowerTank 18 M 72 LIHDX LI-ION (118V, 72 WH (LIHDX))	094523
	18 M 99 LIHD LI-ION (18V, 99 WH (LIHD))	094503
	18 M 144 LIHD LI-ION (18V, 144 WH (LIHD))	094498
	Battery-PowerTank 18 M 72 LIHD LI-ION, 18V, 72 WH (LIHD)	094500
	Battery-PowerTank 18 M 144 LIHDX LI-ION, 18V, 144 WH (LIHDX)	094520
	Battery-PowerStation APS M 18 V	094492
	Battery-PowerStation APS M+ Schnell-Ladegerät	094509
	Power-Set 1 2X 18 M 72 LIHD + APS M	209596
	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 2 X 18 M 144 LIHDX + APS M+	212615

Milling motor

FM 800 / FM 1000



Product features

- **Extremely quiet**
- **Spindle lock**
- **Made in Germany**
- **LED indication for overload**

Application area

- Model making, mould making, advertising technology, engraving, jewellery, electronics, stonemasonry
- Ideally suited for portal milling machines, cutting tables, grinding devices and flexible shafts
- For wood, metal, plastics, foam, polystyrene, stone

Product description

With the FM 800 / FM 1000 MAFELL has developed another milling motor "Made in Germany". The high quality standard and well thought-out details make the MAFELL milling motor the best partner in its performance class.

The speed can be infinitely adjusted to any application. In addition, the digital electronics are equipped with soft start, constant speed under load, idle speed reduction and overload protection.

The labyrinth seal of FM 800 / FM 1000 permanently protects the spindle and bearing from even the smallest particles, dust and chips.

Technical data

FM 800 FM 1000

Nominal power consumption	800 W	1.000 W
Universal motor	230 V / 50 Hz	230 V / 50 Hz
Nominal idling speed	7.000 – 25.000 1/min	4.000 – 25.000 1/min
Clamping collar / collet chuck	43 mm / 6 mm	43 mm / 8 mm
Dimensions (L x W x H)	254 x 79 x 73 mm	254 x 79 x 73 mm
Sound pressure level	74 dB (A)	74 dB (A)
Weight	1,60 kg	1,65 kg

Delivery specification

Milling motor FM 800	9M0010
Milling motor FM 1000	9M0001

Delivery scope includes

FM 800
1 Collet chuck OZ 6 mm
1 Union nut OZ
1 Open-ended spanner
1 Mains cable 1 m

FM 1000
1 Collet chuck OZ 8 mm
1 Union nut OZ
1 Open-ended spanner
1 Mains cable 4 m





The spindle can be locked at the push of a button for easy and convenient tool change.



Highest concentricity due to the filigree coordination of all components and the fact that armature and spindle are manufactured and balanced from one piece.



The labyrinth seal of permanently protects the spindle and bearing from even the smallest particles, dust and chips.



The speed can be infinitely adjusted to any application. In addition, the digital electronics are equipped with soft start, constant speed under load, idle speed reduction and overload protection.

Accessories / Tools

Image	Description	Ref. No.
	Union nut OZ 8	093818
	Collet OZ 8 Ø 2 mm	093819
	Collet OZ 8 Ø 3 mm	093812
	Collet OZ 8 Ø 4mm	093813
	Collet OZ 8 Ø 5mm (3/16 IN.)	093820

Milling motor

FM 1000 PV



Product features

- **Extremely quiet**
- **Spindle lock**
- **External portal interface**
- **Made in Germany**
- **LED indication for overload**

Application area

- Model making, mould making, advertising technology, engraving, jewellery, electronics, stonemasonry
- Ideally suited for portal milling machines, cutting tables, grinding devices and flexible shafts
- For wood, metal, plastics, foam, polystyrene, stone

Product description

With the FM 1000 PV, MAFELL has developed another milling motor "Made in Germany". The high quality standard and well thought-out details make the MAFELL milling motor the best partner in its performance class.

The speed can be infinitely adjusted to any application. In addition, the digital electronics are equipped with soft start, constant speed under load, idle speed reduction and overload protection.

The labyrinth seal of FM 1000 PV permanently protects the spindle and bearing from even the smallest particles, dust and chips.

Technical data

Nominal power consumption	1.000 W
Universal motor	230 V / 50 Hz
Nominal idling speed	4.000 – 25.000 1/min
Portal connection	M8 / 4-pol.
Power supply in PV operation	8 - 56 V
Portal control	0 - 10 V
Clamping collar / collet chuck	43 mm / 8 mm
Dimensions (L x W x H)	254 x 79 x 73 mm
Sound pressure level	74 dB (A)
Weight	1,65 kg

Delivery specification

Milling motor FM 1000 PV

9M0201

Delivery scope includes

- 1 Collet chuck OZ 8 mm (0,31 in.)
- 1 Union nut OZ
- 1 Open-ended spanner
- 1 Mains cable 0,75 + 4 m

PG A
Price list page 24-25





The speed can be infinitely adjusted to any application. In addition, the digital electronics are equipped with soft start, constant speed under load, idle speed reduction and overload protection.



Highest concentricity from due to delicate adjustment of all components, such as the double-bearing spindle for absorbing axial forces and the innovative, tool-free quick-clamping device.



Duo-In: The speed can be continuously adjusted to any application, either manually or via the portal interface. Additional LED status display.



The Rapidfix cable enables a quick and easy connection in the portal.

Accessories / Tools

Image	Description	Ref. No.
	Union nut OZ	093818
	Collets OZ 8 Ø 2 mm	093819
	Collets OZ 8 Ø 3 mm	093812
	Collets OZ 8 Ø 4 mm	093813
	Collets OZ 8 Ø 5 mm (3/16 IN.)	093820
	Collets OZ 8 Ø 6 mm	093814
	Collets OZ 8 Ø 8 mm	093815
	Collets OZ 8 Ø 10 mm (3/8 IN.)	093822
	Collets OZ 8 Ø 3,175 mm (1/8")	093810
	Collets OZ 8 Ø 6,35 mm (1/4")	093811
	Set of collets OZ 8 3 mm	093816
	Set of collets OZ 8 3,175 mm (1/8 ")	093817
	PV control cable M8/4-pol 5m	208311

Milling motor

FM 1000 PV-WS



The sound pressure level of the FM 1000 PV-WS is only 74 db (A) and the device is thus.



The MAFELL milling motors are manufactured under the strictest quality controls in the German town of Oberndorf a. N. Before delivery, each milling motor is "run in" in a test cabin. This increases the tool life and the service life.



Highest concentricity due to delicate adjustment of all components, such as the double-bearing spindle for absorbing axial forces and the innovative, tool-free quick-clamping device.



The "patent-pending" tool-less quick-clamping device enables convenient and fast insertion of different milling cutters.

Product features

- **Extremely quiet**
- **Tool-less quick-clamping device**
- **External portal interface**
- **Made in Germany**
- **LED indication for overload**

Application area

- Model making, mould making, advertising technology, engraving, jewellery, electronics, stonemasonry
- Ideally suited for portal milling machines, cutting tables, grinding devices and flexible shafts
- For wood, metal, plastics, foam, polystyrene, stone

Product description

With the FM 1000 PV-WS, MAFELL has developed another milling motor "Made in Germany". The high quality standard and well thought-out details make the MAFELL milling motor the best partner in its performance class.

The speed can be infinitely adjusted to any application.

In addition, the digital electronics are equipped with soft start, constant speed under load, idle speed reduction and overload protection.

Technical data

Nominal power consumption
Universal motor
Nominal idling speed
Portal connection
Power supply in PV operation
Portal control
Portal mounting (drill holes)
Dimensions (L x W x H)
Tool holder
Sound pressure level db (A)
Weight

FM 1000 PV-WS

1,000 W
230 V / 50 Hz
4,000 – 25,000 rpm
M8 / 4-pol.
8 - 56 V
0 - 10 V
6 x M6
280 x 92 x 85 mm
8 mm
74
2.8 kg

Delivery specification

Milling motor FM 1000 PV-WS

9M0301

Delivery scope includes

1 Mains cable 0,75 + 4 m

PG A

Price list page 24-25





The speed can be infinitely adjusted to any application. In addition, the digital electronics are equipped with soft start, constant speed under load, idle speed reduction and overload protection.



Highest concentricity due to delicate adjustment of all components, such as the double-bearing spindle for absorbing axial forces and the innovative, tool-free quick-clamping device.



Duo-In: The speed can be continuously adjusted to any application, either manually or via the portal interface. Additional LED status display.



The Rapidfix cable enables a quick and easy connection in the portal.

Accessories / Tools

Image	Description	Ref. No.
	Adapter sleeve (ground) 1/8 INCH.	207944
	Adapter sleeve (ground) 1/8" (1/8 INCH)	207945
	Adapter sleeve (ground) 4 mm	207949
	Adapter sleeve (ground) 6 mm	207946
	Collet chuck adapter OZ incl. Union nut OZ* n[max] = 16.000 1/min	207947
	Collet chuck adapter ER 16 incl. Union nut ER 16 n[max] = 16.000 1/min	207943
	Collet chuck adapter ER 16 incl. union nut OZ, N[max] = 16.000 1/min	208109
	Collet chuck adapter OZ 8 incl. union nut OZ, N[max] = 16.000 1/min	208962
	Portal control PV M8 / 4-pol, 5 m	208311

Milling motor

FM 1000 PV-WS



The sound pressure level of the FM 1000 PV-WS is only 74 db (A) and the device is thus.



The MAFELL milling motors are manufactured under the strictest quality controls in the German town of Oberndorf a. N. Before delivery, each milling motor is "run in" in a test cabin. This increases the tool life and the service life.



Highest concentricity due to delicate adjustment of all components, such as the double-bearing spindle for absorbing axial forces and the innovative, tool-free quick-clamping device.



The "patent-pending" tool-less quick-clamping device enables convenient and fast insertion of different milling cutters.

Product features

- **Extremely quiet**
- **Tool-less quick-clamping device**
- **External portal interface**
- **Made in Germany**
- **LED indication for overload**

Application area

- Model making, mould making, advertising technology, engraving, jewellery, electronics, stonemasonry
- Ideally suited for portal milling machines, cutting tables, grinding devices and flexible shafts
- For wood, metal, plastics, foam, polystyrene, stone

Product description

With the FM 1000 PV-WS, MAFELL has developed another milling motor "Made in Germany". The high quality standard and well thought-out details make the MAFELL milling motor the best partner in its performance class.

The speed can be infinitely adjusted to any application.

In addition, the digital electronics are equipped with soft start, constant speed under load, idle speed reduction and overload protection.

Technical data

Nominal power consumption	1,000 W
Universal motor	230 V / 50 Hz
Nominal idling speed	4,000 – 25,000 rpm
Portal connection	M8 / 4-pol.
Power supply in PV operation	8 - 56 V
Portal control	0 - 10 V
Portal mounting (drill holes)	6 x M6
Dimensions (L x W x H)	280 x 92 x 85 mm
Tool holder	8 mm
Sound pressure level db (A)	74
Weight	2.8 kg

Delivery specification

Milling motor FM 1000 PV-WS	9M0301
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Delivery scope includes

1 Mains cable 0,75 + 4 m

PG A

Price list page 24-25





The speed can be infinitely adjusted to any application. In addition, the digital electronics are equipped with soft start, constant speed under load, idle speed reduction and overload protection.



Highest concentricity due to delicate adjustment of all components, such as the double-bearing spindle for absorbing axial forces and the innovative, tool-free quick-clamping device.



Duo-In: The speed can be continuously adjusted to any application, either manually or via the portal interface. Additional LED status display.



The Rapidfix cable enables a quick and easy connection in the portal.

Accessories / Tools

Image	Description	Ref. No.
	Adapter sleeve (ground) 3 mm	207944
	Adapter sleeve (ground) 1/8" (3,175 mm)	207945
	Adapter sleeve (ground) 1/8" (3,175 mm)	207947
	Adapter sleeve (ground) 4 mm	207949
	Adapter sleeve (ground) 6 mm	207946
	Collet chucknadapter OZ incl. Union nut ER 16 n[max] = 16.000 1/min	207943
	Collet chucknadapter ER incl. Union nut OZ, N[max] = 16.000 1/min	208109
	Collet chucknadapter OZ 8 incl. Union nut OZ, N[max] = 16.000 1/min	208962
	Portal control PV M8 / 4-pol, 5 m	208311

Milling motor

FM 1000 PV-ER



The sound pressure level of the FM 1000 PV-ER is only 74 db (A) and the device is thus.



The MAFELL milling motors are manufactured under the strictest quality controls in the German town of Oberndorf a. N. Before delivery, each milling motor is "run in" in a test cabin. This increases the tool life and the service life.



Highest concentricity due to the filigree coordination of all components and the fact that armature and spindle are manufactured and balanced from one piece.

Product features

- **Extremely quiet**
- **Spindle lock**
- **External portal interface**
- **Made in Germany**
- **LED indication for overload**

Application area

- Model making, mould making, advertising technology, engraving, jewellery, electronics, stonemasonry
- Ideally suited for portal milling machines, cutting tables, grinding devices and flexible shafts
- For wood, metal, plastics, foam, polystyrene, stone

Product description

With the FM 1000 PV-ER, MAFELL has developed another milling motor "Made in Germany". The high quality standard and well thought-out details make the MAFELL milling motor the best partner in its performance class.

The speed can be infinitely adjusted to any application. In addition, the digital electronics are equipped with soft start, constant speed under load, idle speed reduction and overload protection.

The labyrinth seal of FM 1000 PV-ER permanently protects the spindle and bearing from even the smallest particles, dust and chips.

Technical data

Nominal power consumption	1.000 W
Universal motor	230 V / 50 Hz
Nominal idling speed	4.000 – 25.000 1/min
Portal connection	M8 / 4-pol.
Power supply in PV operation	8 - 56 V
Portal control	0 - 10 V
Clamping collar / collet chuck	43 mm / 8 mm
Dimensions (L x W x H)	254 x 79 x 73 mm
Sound pressure level	74 dB (A)
Weight	1,65 kg

Delivery specification

Milling motor FM 1000 PV-ER

9M0401

Delivery scope includes

- 1 Collet chuck ER 16, 8 mm (0,31 in.)
- 1 Clamping key ER 16M
- 1 Mains cable 0,75 + 4 m

PG A
Price list page 24-25





The speed can be infinitely adjusted to any application. In addition, the digital electronics are equipped with soft start, constant speed under load, idle speed reduction and overload protection.



Highest concentricity from due to delicate adjustment of all components, such as the double-bearing spindle for absorbing axial forces and the innovative, tool-free quick-clamping device.



Duo-In: The speed can be continuously adjusted to any application, either manually or via the portal interface. Additional LED status display.



The Rapidfix cable enables a quick and easy connection in the portal.

Accessories / Tools

Image	Description	Ref. No.
	Union nut ER 16M	093758
	Collet chuck ER 16, 3 mm	093753
	Collet chuck ER 16, 4 mm	093754
	Collet chuck ER 16, 6 mm	093755
	Collet chuck ER 16, 8 mm	093756
	Collet chuck ER 16, 3.175 mm (1/8")	093757
	PV control cable M8/4-pol 5m	208311

Grooving Machine

KFU 1000 E

With level compensation –
for constant cutting depth.



With three rollers – to prevent
tipping on uneven floors.

Product features

- Cutting blade lock
- Powerful motor
- Large chip bag

Application area

- Cutting grooves
- Compatible materials include resilient floor coverings

Product description

Grooving machines are used when laying resilient floor coverings. The shape and depth of the welding rod depend on the experience of the installer and the flooring manufacturer's recommendations. Such applications in particular call for special machines that can meet these individualized requirements.

The unique feature of the KFU 1000 E is the built-in cutting blade lock for fast tool changes.

Low weight of 3.8 kg (10.8 lbs) and a 10 m (32.8 ft) mains cable make the KFU 1000 E easy to handle and offer a large operating radius. The powerful 900 watt (1.2 hp) single-phase motor allows a speed of 8000 – 1500 rpm and an accordingly clean cutting result.

With the stepless electronic controls, you can use the machine for all types of material. Simply set the right speed and off you go!

Smallest possible wall clearance: only 11.5 mm (7/16 in.).

If you prefer to work upright, we offer an exclusive additional handle as an optional accessory.

Technical data

Cutting depth	0 – 4.5 mm
Cutter Ø	120 mm
Nominal no-load speed	8000 – 15000 1/min
Nominal input	900 W
Weight	3.8 kg
Universal motor	230 V/50 Hz

KFU 1000 E

Delivery specification

Grooving Machine KFU 1000 E in carrying case	951101
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Delivery scope includes

1 Groove-cutting blade	091794
TCT, elliptical, 120 x 3.6 x 20 mm, 12 teeth	
1 Allen key 4 mm	093074
1 Mains cable 10 m	087604

PG E
Price list page 25



Steplessly adjustable cutting depth from 0 – 4.5 mm (0 - 3/16 in.) for all floor covering thicknesses. Exact adjustment of cutting depth. No accidental maladjustment of cutting depth due to automatic clamping device.

Absolutely even cutting depth, even on uneven floors due to level compensation. The floor covering surface immediately in front of the cutting blade is scanned and the cutting depth automatically corrected.

Exact grooves due to accurate guidance of the whole machine via three ball-bearing rollers. No tipping of the machine even on uneven floors.

Fully covered cutting blade for high safety standard. Efficient extraction prevents chips from hindering the rollers.

Accessories / Tools

Image	Description	Ref. No.
	Groove-cutting blade elliptical, TCT, 120 x 3.6 x 20 mm, 12 teeth	091794
	Groove-cutting blade elliptical, TCT, 120 x 4.2 x 20 mm, 12 teeth	091795
	Guide roller R 1,5	202274
	Hand grooving tool semicircular, with 5 replacement knives	091460
	Replacement blades semi-circular, for hand grooving tool	091467
	Additional handle, long	202545

Carpenter's Skew Notch, Lap-Joint and Tenon Cutting Machine

ZK 115 Ec

Special machine – for all notching and facing tasks.

Fast, precise adjustment – no test cutting necessary – considerable time-saving.

All-round protective cover – for optimum user protection.



Product features

- With CUPrex, the high-performance motor
- Low weight of 21.1 kg (46.1 lbs)
- Stable height adjustment

Application area

- Birdsmouth cuts and lap joints
- Compatible materials include solid wood and glue-laminated timber

Product description

The ZK 115 Ec – a persuasive and powerful tool offering ease of use, a tool brake and electronics with:

- Smooth starting
- Constant speed under load
- Overload protection
- No-load speed reduction to protect machine
- Reduced noise emissions

The entirely newly developed 150 x 115 mm (5 7/8 x 4 1/2 in.) cutter head of the ZK 115 Ec, with 13 reversible carbide tips (9 for final, 4 for rough cutting), facilitates very high cutting rates, optimum chip removal and an extended service life.

Simply score the notch and vertical cut, set the cut indicator, notch depth and angle – and mortising can begin. It couldn't be quicker or easier!

The guide rails available as optional accessories can be used with all other MAFELL carpentry machines.

Technical data

Depth of lap-joint	0 – 70 mm
Tilt range	0 – 60°
Nominal no-load speed	4050 1/min
Nominal input	3000 W
Weight (with standard cutter head)	21.1 kg
Universal motor	230 V/50 Hz

ZK 115 Ec

Delivery specification

Carpenter's Skew Notch, Lap-Joint and Tenon Cutting Machine ZK 115 Ec	925001
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Delivery scope includes

1 Skew notch cutter head cpl., Ø 150 x 115 mm	203657
1 Parallel guide fence	203683
1 Allen key	093164
1 Screw driver Torx T 15	093274
1 Mains cable 10 m	087612

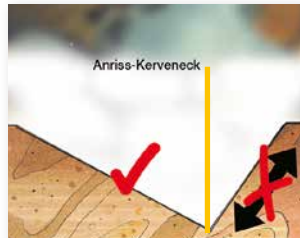
PG B

Price list page 25





The ZK 115 Ec with the guide rail.



Unsurpassed precision – approved right-angled height adjustment. Distance of noches always constant irrespective of wood tolerances.



Just position the machine on the skew notch edge of reference.



New cutter head with reversible carbide tips for extreme machining rates and optimum chip removal.

Accessories / Tools

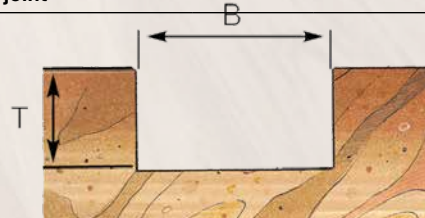
Image	Description	Ref. No.
	Guide rail length 3 m (2 pieces with connecting piece)	037037
	Guide rail length 3 m (one piece)	200672
	Guide rail extension 2600 length 1.5 m	036553
	Adapter (pair) for parallel guide fence	037195
	Skew notch cutter head complete, Ø 150 x 115 mm	203657
	Reversible TCT knives (13 pieces required)	201927
	Lap-joint cutter head complete, Ø 236 x 50 mm	203659
	Reversible TCT knives (16 pieces required)	201927
	Lap-joint cutter head complete, Ø 190 x 81 mm	091417
	Reversible TCT knives (6 pieces required)	034907
	Reversible knife 80 mm (3 pieces required)	035090
	Lap-joint cutter head complete, Ø 150 x 60 mm	091415
	Reversible TCT knives (6 pieces required)	034907
	Reversible knives 60 mm (3 pieces required)	035089

A: Skew notch



Ref. No.	203657				
Cutter head	150 x 115 mm				
„α“ (°)	0°	15°	30°	45°	60°
Depth „T“ (mm)	27	29.7	57.5	77.9	75
Width „B“ (mm)	115				
„X“ (mm)	115 115 110 86,5				
„Y“ (mm)	30.8 66.4 110 150				

B: Lap joint

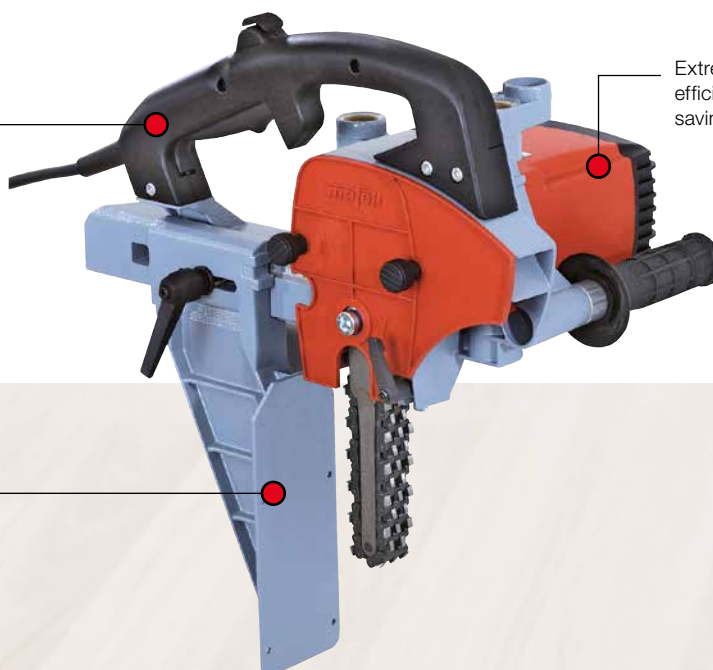


Ref. No.	203659	091417	091415
Lap joint cutter head (mm)	236 x 50	190 x 81	150 x 60
„α“ (°)	0	0	0
Depth „T“ (mm)	70	47	27
Width „B“ (mm)	50	81	60

Chain Mortiser

LS 103 Ec

Ergonomic handle and switch arrangement – for safe, efficient, energy-saving work.



Extremely powerful motor – for high efficiency and considerable time-saving.

Low machine weight – ideal for use on construction site.

Product features

- With CUPrex, the high-performance motor
- Extremely lightweight and safe
- Fast chain replacement
- Ergonomic machine construction

Application area

- For cutting mortises
- Compatible materials include solid wood and glue-laminated timber

Product description

Unique lightweight at only 8.7 kg (19.2 lbs.). Chain mortising without the drag.

The long guide plate has a large adjusting range and permits work on large timber workpieces.

The tensioning system of the LS 103 Ec allows fast chain replacement. Even retightening of the chain without removing the chain guard is quick and easy.

Optional accessories include the guide support stand for the LS 103 Ec, ideal for precise framing work, particularly indispensable for chain sets of 150 mm (5 7/8 in.)

With the LS 103 Ec and the appropriate slot mortising attachment SG 230, SG 400 or SG 500, you can execute slots of up to 500 mm (19 11/16 in.). This is not possible with any other machine on the market!

Technical data

Mortising depth
Nominal no-load speed
Nominal input
Weight
Universal motor

LS 103 Ec

100/150 mm
4050 1/min
2500 W
8.7 kg
230 V/50 Hz

Delivery specification

Chain Mortiser 103/40 Ec	924201
complete with chain set, 28 x 40 x 100 mm	
Chain Mortiser LS 103/35 Ec	924202
complete with chain set, 28 x 35 x 100 mm	
Chain Mortiser LS 103/40 Ec	924203
complete with chain set, 28 x 40 x 150 mm	
Chain Mortiser LS 103/35 Ec	924204
complete with chain set, 28 x 35 x 150 mm	

Delivery scope includes

1 Stop plate	200954
1 Allen key 4 mm	093074
1 Allen key 8 mm	093070
1 Mains cable 10 m	087612

Additional information:

Please note: use of the Chain Mortiser LS 103 Ec with 150 mm set requires use of the guide support stand FG 150. Ref. No. 200980.





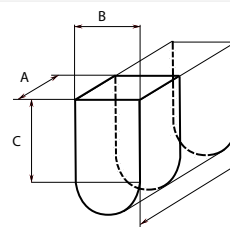
Tenon cuts of various sizes up to 100 mm (3 15/16 in.) with the LS 103 Ec.



The LS 103 Ec being operated horizontally.



The LS 103 Ec with the guide support stand FG 150 for mortising depths of up to 150 mm (5 7/8 in.).



Dimensions of mortising chains example: 28 x 40 x 100 mm; chain width: 28 mm (1 1/8 in.); hole width: 40 mm (1 9/16 in.); mortising depth: 100 mm (3 15/16 in.)

Accessories / Tools

Image	Description	Ref. No.
	Guide support stand FG 150 for mortising depth to 140 mm	200980
	Chain bar 28 x 40 x 100 mm	091010
	Chain bar 28 x 40 x 150 mm	091011
	Chain bar 28 x 35 x 100 mm	091012
	Chain bar 28 x 35 x 150 mm	091013
	Mortising chain pitch 22.6, 28 x 35 x 100 mm	091230
	Mortising chain pitch 22.6, 28 x 40 x 150 mm	091234
	Sprocket pitch 22.6, 4 teeth, for set 28 x 35/40 x 100 mm/150 mm	091683

Image	Description	Ref. No.
	Replacement chain links + rivets 1 bag, for 28 mm chain width, large pitch	091279

Slot Mortising Attachment

SG 230

Mortising width from 6 - 21 mm (1/4 - 13/16 in.) – for various applications.

Low overall weight – for excellent handling even in difficult working positions.

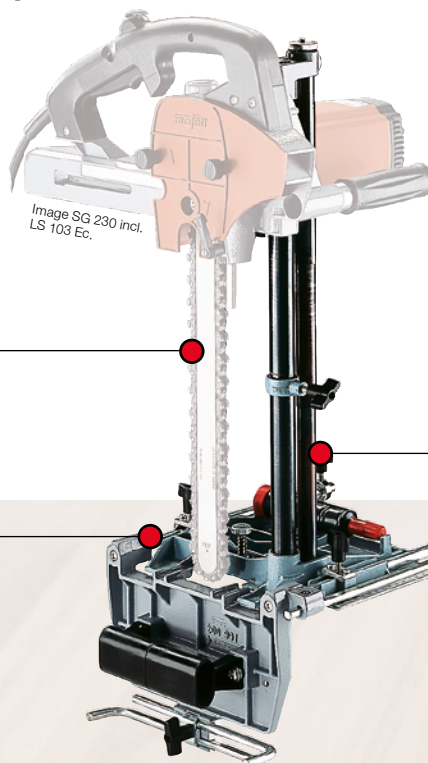


Image SG 230 incl. LS 103 Ec.

Product features

- Perfect size slots
- Extremely low total weight

Application area

- Cutting slots for beam joints and connectors
- Compatible materials include solid wood, trusses and laminated beams

Product description

The SG 230 is one of three options for the Chain Mortiser LS 103 Ec for cutting slots in beams and glulam.

Channels for supply lines, slots in posts or for concealed beam joints: with the SG 230 you can cut slots in any timber up to a depth of 285 mm (11 1/4 in.). With working depths up to 230 mm, a spring-loaded mechanism assists the return to the starting position.

With a weight of just 16.7 kg (36.8 lbs), you can even cut slots in fitted beams.

With this combination, the coordination of slot mortising attachment and chain mortiser enables you to make 100 % perfect size slots from beginning to end.

Technical data

Mortising depth	230/285 mm
Mortising width in one cut	6 – 21 mm
Mortising length in one cut	50 mm
Weight	7.7 kg

Delivery specification

Slot Mortising Attachment SG 230	200990
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Delivery scope includes

1 Grease gun	076158
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Additional information:

The Chain Mortiser LS 103 Ec is not part of the delivery specification.

Slot mortising attachments are supplied as standard without a chain set. Please choose the set that meets your needs from our range.

The slot mortising attachments can only be supplied together with a chain set.





Universal use for supporting legs, integrated transition pieces and gusset plates.



Mortising direction with the SG 230 - vertical and horizontal.

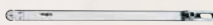
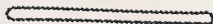


The clamp is continuously adjustable for series production purposes.



Clearly legible scales facilitate precise adjustment.

Accessories / Tools

Image	Description	Ref. No.
	Chain bar for mortising width	
	6 – 7 mm	091383
	8 – 9 mm	091381
	10 – 11 mm	091382
	12 – 17 mm	091384
	18 – 21 mm	091385
	Chain (43 sets of links) for mortising width	
	6 mm	091377
	7 mm	091378
	8 mm	091379
	9 mm	091375
	10 mm	091347
	11 mm	091376
	12 mm	091348
	13 mm	091349
	14 mm	091350
	15 mm	091351
	16 mm	091352
	17 mm	091353
	18 mm	091354
	19 mm	091355
	20 mm	091356
	21 mm	091357
	Sprocket for mortising width	
	6 – 7 mm	091686
	8 – 9 mm	091687
	10 – 11 mm	091688
	12 – 17 mm	091689
	18 – 21 mm	091690
	Set of links 5 pieces packed	
	for 091377	091393
	for 091378	091394
	for 091379	091395
	for 091375	091391
	for 091347	091366
	for 091376	091392
	for 091348	091367
	for 091349	091368
	for 091350	091369
	for 091351	091335
	for 091352	091336
	for 091353	091337
	for 091354	091338
	for 091355	091339
	for 091356	091340
	for 091357	091332
	1 set = 5 replacement chain links + rivets	

Slot Mortising Attachment

SG 400



Product features

- Perfect size slots
- Tilt range 45°

Application area

- Compatible materials include solid wood and laminated beams

Product description

Together with the LS 103 Ec Chain Mortiser, the SG 400 is the ideal attachment, e.g. for preparing large glulam workpieces for the insertion of connection pieces.

The impressive mortising depth of up to 400 mm (15 3/4 in.) is ensured by the exact coordination of the slot attachment with the basic machine.

The exact special chain guide and the cutting depth stop guarantee that the measurement is adhered to from the beginning to the end of the cut.

The complete unit can of course be tilted up to 45°.

Technical data

Mortising depth	300/400 mm
Mortising width in one cut (with 300 mm set)	6 – 17 mm
Mortising width in one cut (with 400 mm set)	10 – 17 mm
Mortising length in one cut	50 mm
Weight	24.8 kg

Delivery specification

Slot Mortising Attachment SG 400	201000
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Delivery scope includes

1 Grease gun	076158
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Additional information:

The Chain Mortiser LS 103 Ec is not part of the delivery specification.

Slot mortising attachments are supplied as standard without a chain set. Please choose the set that meets your needs from our range.

The slot mortising attachments can only be supplied together with a chain set.



The cutting depth can be set exactly.



The vertical edge spacing is set exactly by way of a scale.



The slot mortiser can be tilted through 45° in either direction.



High-precision cuts for high quality gusset plate connections in woodwork engineering.

MAFELL

Sawing

Drilling

Sanding

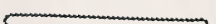
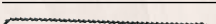
Planing

Mortising

Dust
Extraction

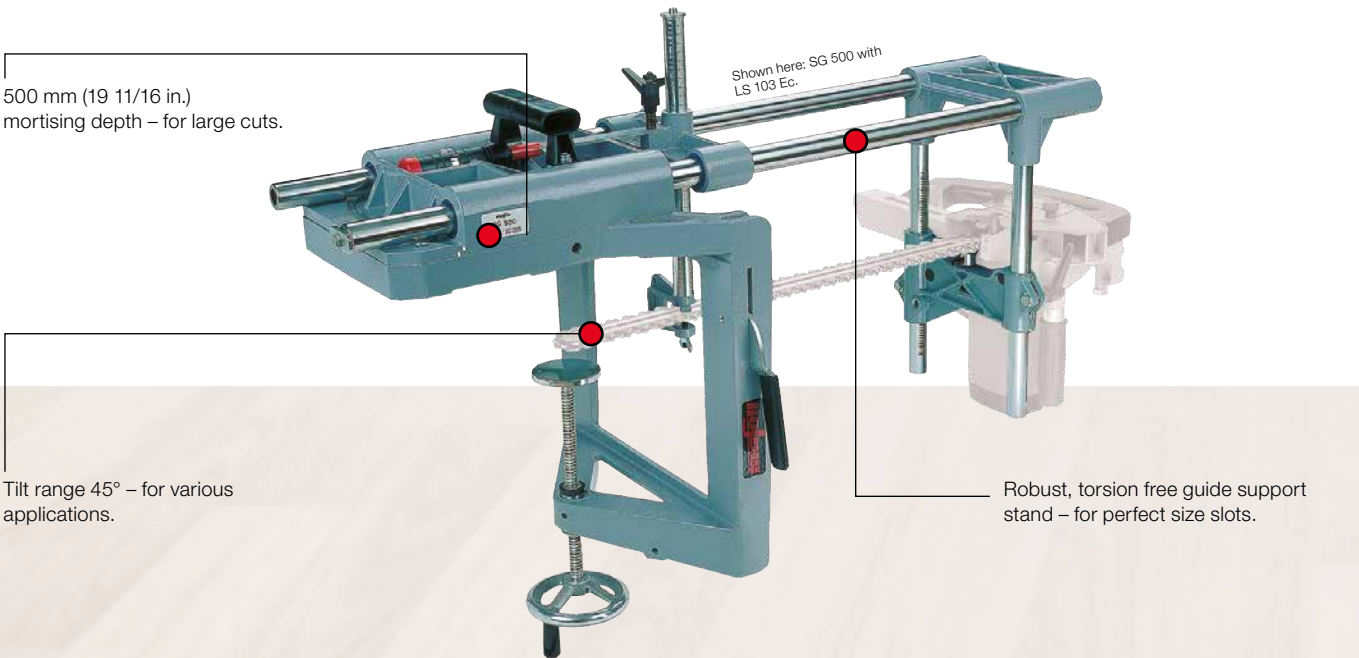
Special

Accessories / Tools

Image	Description	Ref. No.	Image	Description	Ref. No.
	Clamping device Maximum clamping width 300 mm (illustration shows clamping device fitted on SG 400)	039602		Sprocket for chain sets with 300 / 400 mm mortising depth	
				Sprocket for mortising width	
				6 – 7 mm	091686
				8 – 9 mm	091687
				10 – 11 mm	091688
				12 – 17 mm	091689
				Double links for mortising chains, see SG 230	
	Chain sets for 300 mm mortising depth				
	Chain bar for mortising width				
	6 – 7 mm	091606			
	8 – 9 mm	091607			
	10 – 11 mm	091608			
	12 – 17 mm	091609			
	Chain (50 sets of links) for mortising width				
	6 mm	091614			
	7 mm	091616			
	8 mm	091617			
	9 mm	091619			
	10 mm	091621			
	11 mm	091623			
	12 mm	091624			
	13 mm	091626			
	14 mm	091627			
	15 mm	091628			
	16 mm	091629			
	17 mm	091631			
	Chain sets for 400 mm mortising depth				
	Chain bar for mortising width				
	10 – 11 mm	091613			
	12 – 17 mm	091611			
	Chain (50 sets of links) for mortising width				
	10 mm	091632			
	11 mm	091633			
	12 mm	091634			
	13 mm	091636			
	14 mm	091637			
	15 mm	091638			
	16 mm	091639			
	17 mm	091641			

Slot Mortising Attachment

SG 500



Product features

- 500 mm (19 11/16 in.) mortising depth
- Perfect size slots
- Tilt range 45°

Application area

- Compatible materials include solid wood and laminated beams

Product description

Here you can really go in-depth! With 500 mm (19 11/16 in.) mortising depth and 50 mm (1 15/16 in.) mortising width with each individual cut.

The guide angle can be tilted up to 45 degrees on either side.

It is supplied with 3 guide pieces (3, 5 and 7 mm (1/8, 3/16 and 1/4 in.)) which can be attached to the front end of the guide rail.

Wider slots can thus be achieved by making a second cut. The inserted guide piece ensures that the chain does not err into the first cut.

See the table on the next page for more details.

Technical data

Mortising depth	500 mm
Mortising width in one cut	10 – 17 mm
Mortising length in one cut	50 mm
Weight	31.4 kg

SG 500

Delivery specification

Slot Mortising Attachment SG 500	201005
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Delivery scope includes

3 Guide pieces 3, 5, 7 mm	
1 Clamping device	039602
maximum clamping width 300 mm	
1 Grease gun	076158

Additional information:

The Chain Mortiser LS 103 Ec is not part of the delivery specification.

Slot mortising attachments are supplied as standard without a chain set. Please choose the set that meets your needs from our range.

The slot mortising attachments can only be supplied together with a chain set.





Guide piece in use.



For cuts at an angle to the edge of the timber: tilt range up to 45° in both directions.

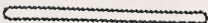


The vertical edge spacing is set exactly by way of a scale.



The slot mortiser can be tilted through 45° in either direction.

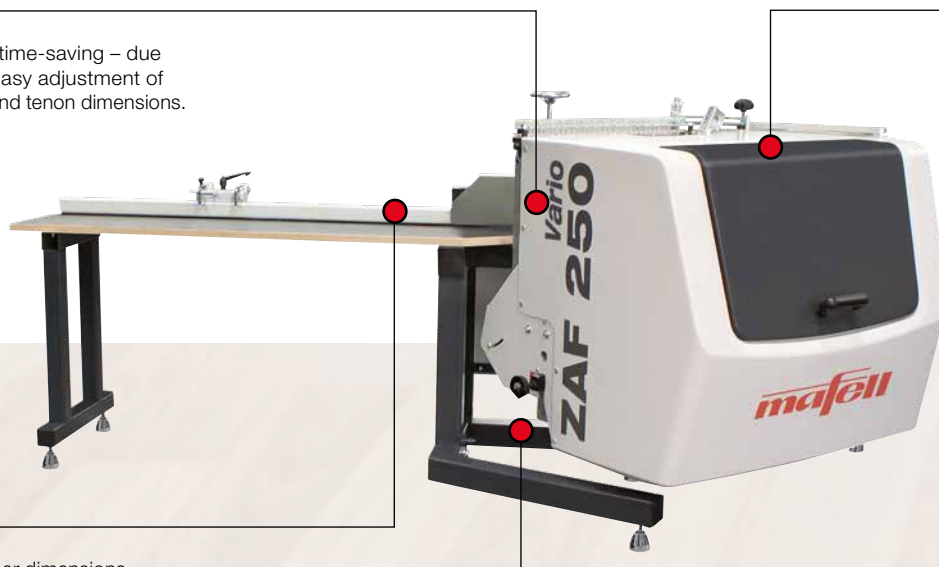
Accessories / Tools

Image	Description	Ref. No.	Image	Description	Ref. No.
	Chain bar for mortising width			Sprocket for mortising width	
	10 mm	091642		10 – 11 mm	091688
	11 mm	091643		12 – 17 mm	091689
	12 mm	091644			
	13 mm	091646			
	14 mm	091647			
	15 mm	091648			
	16 mm	091649			
	17 mm	091659			
	Chain for mortising width			Guide piece	
	10 mm	091651		3 mm	202815
	11 mm	091652		5 mm	202816
	12 mm	091653		7 mm	202817
	13 mm	091654		8 mm	202818
	14 mm	091655		9 mm	202819
	15 mm	091656		10 mm	202820
	16 mm	091657		12 mm	202821
	17 mm	091658		13 mm	202822
				14 mm	202823
				Double links for mortising chains, see SG 230	

slot size	chain bar 10 x 50 x 500 mm + guide piece	chain bar 11 x 50 x 500 mm + guide piece	chain bar 12 x 50 x 500 mm + guide piece	chain bar 13 x 50 x 500 mm + guide piece	chain bar 14 x 50 x 500 mm + guide piece	chain bar 15 x 50 x 500 mm + guide piece	chain bar 16 x 50 x 500 mm + guide piece	chain bar 17 x 50 x 500 mm + guide piece
12 mm	3 mm							
12.5 mm		3 mm						
14 mm	5 mm							
14.5 mm		5 mm	3 mm					
15 mm				3 mm				
15.5 mm					3 mm			
16 mm	7 mm					3 mm		
16.5 mm		7 mm	5 mm				3 mm	
17 mm	8 mm			5 mm				
17.5 mm		8 mm			5 mm			
18 mm	9 mm					5 mm		
18.5 mm		9 mm	7 mm				5 mm	
19 mm	10 mm			7 mm				5 mm
19.5 mm		10 mm	8 mm		7 mm			
20 mm				8 mm		7 mm		
20.5 mm			9 mm		8 mm		7 mm	
21 mm				9 mm		8 mm		7 mm
21.5 mm			10 mm		9 mm		8 mm	
22 mm				10 mm		9 mm		8 mm
22.5 mm					10 mm		9 mm	
23 mm						10 mm		9 mm
23.5 mm			12 mm				10 mm	
24 mm				12 mm				10 mm
24.5 mm					12 mm			
25 mm				13 mm		12 mm		
25.5 mm					13 mm		12 mm	
26 mm						13 mm		12 mm
26.5 mm					14 mm		13 mm	
27 mm						14 mm		13 mm
27.5 mm							14 mm	
28 mm								14 mm

ZAF 250 Vario

Considerable time-saving – due to quick and easy adjustment of length, angle and tenon dimensions.



Minimum space requirement – thanks to the swiveling cutter head, the timber always remains in the same position.

Maximum timber dimensions
500 x 250 mm (19 11/16 x 9 13/16 in.) at 0° and
220 x 250 mm (8 11/16 x 9 13/16 in.) at 60°.

No chip waste – fully extractable.

Product features

- Tilt range of cutting unit up to 60°
- Laser positioning
- Special cutting tool

Application area

- Cutting tenons and laps up to 60°
- Compatible materials include solid wood and laminated beams

Product description

The ZAF 250 Vario executes the full range of tenons quickly, accurately, efficiently and precisely.

For straight or angled tenons, corner or ridge half-lap joints, you can always count on the ZAF 250 Vario Tenoner.

To ensure exact length measurements, the stop is adjusted on a scale.

Developed specifically for the ZAF 250 Vario, the cutting tool can be rapidly adapted for different tenon lengths and half-lap joints.

The ZAF 250 Vario has precision setting options and a clearly laid-out control panel. Precise positioning of the timber is facilitated by a new built-in laser. The result is cuts which are accurate to the nearest millimeter (inch) in all types of timber!

After setting the desired tenon geometry, the cutter head automatically executes the required shape – including angled, haunched and chamfered cuts. Chip waste is extractable as a matter of course.

For hardwood applications the ZAF 250 Vario has an adjustable feed rate. Chip waste is extractable as a matter of course.

Technical data

Maximum timber sizes (B x H) right angle	500 x 250 mm
Maximum timber sizes (B x H) 60°	220 x 250 mm
Length of support (with scale for adjusting length stop)	3000 mm
Feed rate speed	0.9 – 2.2 m/min
Place requirement	1.5 x 4 m
Nominal no-load speed	6670 1/min
Nominal input	6000 W
Weight	ca. 392.1 kg
Three-phase AC motor	400 V / 50 Hz

ZAF 250 Vario

Delivery specification

Tenoner ZAF 250 Vario	991201
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Delivery scope includes

1 Cutter head	202105
complete with reversible knives	
1 Support table	205025





The 3 m (9.8 ft) long support profile with mm scale and length stop allows precise positioning of the workpieces.



Laser technology allows positioning of the workpiece after marking.



Clear, transparent layout – the controls of the ZAF 250 Vario for automatic or manual operation.

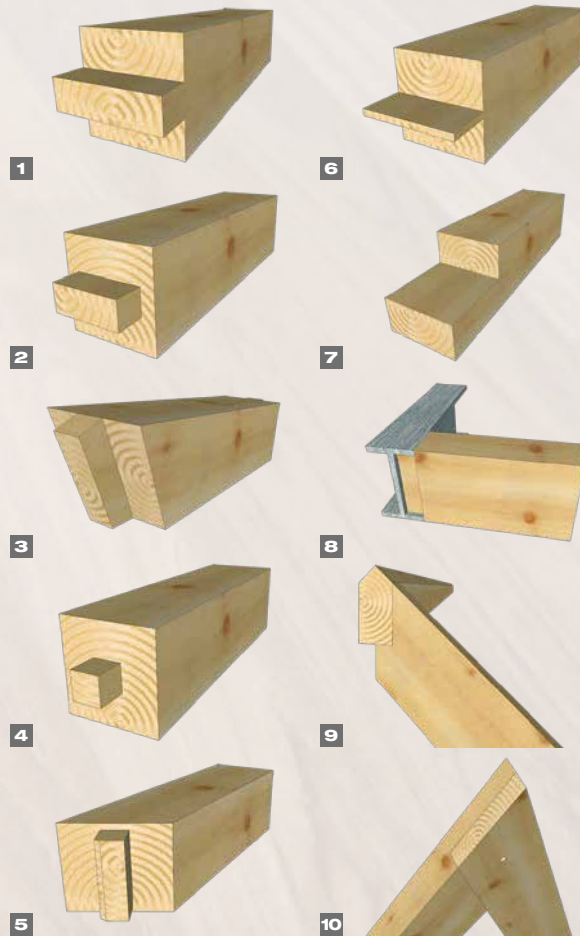


Straight and angled tenons are executed in a single work cycle as the control permits machining on 4 sides. This also allows all-round chamfering of the tenons.

Accessories / Tools

Image	Description	Ref. No.
	Extractor set	202320
	Reversible knives TCT 14 x 14 x 2 mm 18 pieces required	201927
	Chamfer knife (4 pieces required)	201930

Machining examples



1 Tenon
straight, horizontal

2 Tenon
shouldered

3 Tenon
with mitered shoulders

4 Tenon variant
straight

5 Tenon
vertical, angled

6 Tenon variant
extra thin

7 Corner half lap joint

8 Steel beam joint

9 Triangular notch
in rafter for ridgeboard

10 Ridge half lap joint

Dust Extraction



The desire to deliver perfect results calls for a clean working environment. Dust extractors made by MAFELL provide the very best solution. Whether drilling holes, inserting dry lining boxes or sanding down paint, these innovative extractors will save you appreciable time both on site and in the workshop. They create not only a clear workplace, but one that is healthier too.

MAFELL

Sawing

Drilling

Sanding

Planing

Mortising

Dust
Extraction

Edge

S 25 M



Product features

- **Type approval for dust class M**
- **Automatic filter cleaning by vibration**
- **Anti-static equipment included in delivery specification**

Application area

- For wet and dry pick-up
- For picking up waste
- Compatible materials include dust, chips, liquids

Product description

The newly revised S 25 M (lighter, more efficient and functional) combines excellent extraction quality with high user convenience.

All the appliances are equipped with microprocessor-controlled electronics for safe and efficient operation. The features include smooth starting, which eases the load on both the appliance and the power circuit, and automatic running-on to ensure that the hose is emptied when the extractor is switched off. In addition, the speed control allows the suction force to be adjusted according to the extent of contamination and the hose diameter.

The S 25 M is tested for compliance with dust class M and, in view of their substantial dust retention capacity (99,9%), suitable for use as standard industrial and commercial vacuum cleaners. A long service life is ensured by the high-performance motor fan with bypass cooling. Ideal for wet and dry suction cleaning.

Thanks to the automatic on/off switch, the MAFELL dust extractors can be used for extracting the dust created by all other makes of power tool as well. All the MAFELL models are also suitable for picking up liquids.

Technical data

Bin capacity	25 l
Bin water capacity	20 l
Hose connector	Ø 66/58 mm
Low air pressure	280 mbar
Dimensions (B x L x H)	500 x 405 x 565 mm
Volume flow rate	270 m³/h
Nominal input	1200 – max. 1400 W
Weight without MAX-holder	12.2 kg
Weight with MAX-holder	13.4 kg
Universal motor	230 V/50 Hz

S 25 M

Delivery specification

Dust Extractor S 25 M	91C301
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Delivery scope includes

1 Extraction hose 4 m	093684
Ø 27 mm with soft cone 35 mm, torsion joint, Ø 66 mm bayonet, anti-static	
1 Fold filter cassette	093674
1 pair, polyester (8600 cm²)	
1 MAX-holder	
1 Non-woven filter bag	
21 l useful capacity	
1 Mains cable 8 m	176030



Once secured to the appliance, the T-MAX can serve as a bench for small work-pieces.



The particularly effective filter system with automatic filter dedusting has been specifically adapted to the work with power tools.



New rotary vane at the outlet connection which will also allow the use of PE disposal bags in the future.



New additional function: Easier and safer hose winding due to integrated cable hook with plug locking device at the adapter plate.

Accessories / Tools

Image	Description	Ref. No.
	Extraction hose 4 m Ø 27 mm with soft cone 35 mm, torsion joint Ø 66 mm bayonet, anti-static	093684
	Extraction hose 5 m Ø 35 mm with soft cone 35 mm, torsion joint Ø 66 mm bayonet, anti-static	093681
	Extraction hose 5 m Ø 49 mm with cone 58 mm, torsion joint Ø 66 mm bayonet, anti-static	093730
	Hand-held extraction set D 35 2 tubes 1 floor nozzle 1 handle 1 hose D 35, 2.5 m	093718
	T-MAX Size 4	095204
	Fold filter cassette 1 pair, polyester (8600 cm ²)	093674
	Non-woven filter bag V-FB 25/35 5 pieces, capacity: 21 liters	093719
	PE dust bag FB 35 5 pieces, capacity: 21 liters	093721
	Reducing socket 58/35 mm	203602

Extraction hoses (recommended sizes)

Which hose diameter is suitable for which machine?

Machine type	27 mm	35 mm	49 mm
P1 cc	•		
KSS 300	•		
KSS 40 18 M bl	•		
KSS 50 cc	•		
KSS 50 18M bl	•		
KSS 60 cc	•		
KSS 60 18M bl	•		
KSS 80 Ec / 370	•		
PSS 3100 SE		•	
MT 55 cc	•		
MT 55 18M bl	•		
MS 55 / MS 55-18	•		
KSP 40 Flexistem	•		
K 55 cc	•		
K 55 18M bl	•		
K 65 cc	•		
K 65 18M bl	•		
K 85 Ec / K 85-18	•		
MKS 130 Ec			•
MKS 145 / 165 Ec			•
MKS 185 Ec			•
Z 5 Ec	•		
DSS 300 cc		•	
ERIKA 60	• ¹⁾	• ¹⁾	•
ERIKA 70	• ²⁾	• ²⁾	•
ERIKA 85	• ²⁾	• ²⁾	•
DD40	•		
UVA 115 E	•		
EVA 150 E	•		
MHU 82	•	•	
LO 65 Ec	•		•
NFU 32			•
NFU 50			• ⁴⁾
MF 26 cc	•	• ³⁾	
SKS 130	•		

¹⁾ Reducing socket required

²⁾ Unless a reducing socket is fitted, extraction can take place only from a chip channel at the bottom.

³⁾ Extraction hose inside diameter LW 35

⁴⁾ Extraction hose 5m (Ref. No. 093730)

Dust Extractors

S 25 L



When used for wet suction cleaning, the appliance cuts out automatically when its maximum capacity is reached.

Conveniently located on the front of the appliance are the on/off switch, the switch for automatic vibration and pulse filter cleaning/ vibration, the speed control for adjusting the suction force, and the volume flow indicator.

Quick-release fastener with additional locking device.

Product features

- **Type approval for dust class L**
- **Automatic filter cleaning by vibration**
- **Anti-static equipment included in delivery specification**

Application area

- For wet and dry pick-up
- For picking up waste
- Compatible materials include dust, chips, liquids

Product description

The newly revised S 25 L (lighter and more efficient) combines excellent extraction quality with high user convenience.

All the appliances are equipped with microprocessor-controlled electronics for safe and efficient operation. The features include smooth starting, which eases the load on both the appliance and the power circuit, and automatic running-on to ensure that the hose is emptied when the extractor is switched off. In addition, the speed control allows the suction force to be adjusted according to the extent of contamination and the hose diameter.

The S 25 L model is tested for compliance with dust class L and, in view of its substantial dust retention capacity (99 %), is suitable for use as a standard industrial and commercial vacuum cleaner. A long service life is ensured by the high-performance motor fan with bypass cooling. Ideal for wet and dry suction cleaning.

Thanks to the automatic on/off switch, the MAFELL dust extractors can be used for extracting the dust created by all other makes of power tool as well. All the MAFELL models are also suitable for picking up liquids.

Technical data

Bin capacity	25 l
Bin water capacity	20 l
Hose connector	Ø 66/58 mm
Low air pressure	280 mbar
Dimensions (B x L x H)	425 x 380 x 570 mm
Volume flow rate	270 m³/h
Nominal input	1200 – max. 1400 W
Weight	12.2 kg
Universal motor	230 V/ 50 Hz

S 25 L

Delivery specification

Dust Extractor S 25 L	91C201
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Delivery scope includes

1 Extraction hose 4 m	093684
Ø 27 mm with soft cone 35 mm, torsion joint, Ø 66 mm bayonet, anti-static	
1 Fold filter cassette	093674
1 pair, polyester (8600 cm²)	
1 Non-woven filter bag	
21 l useful capacity	
1 Mains cable 8 m	078207



The particularly effective filter system with automatic filter dedusting has been specifically adapted to the work with power tools.



New rotary vane at the outlet connection which will also allow the use of PE disposal bags in the future.



The hose is antistatic. The user is thus protected against electrostatic discharges (electric shock), and dust residue is less likely to cling to the hose.

Accessories / Tools

Image	Description	Ref. No.
	Extraction hose 4 m Ø 27 mm with soft cone 35 mm, torsion joint Ø 66 mm bayonet, anti-static	093684
	Extraction hose 5 m Ø 35 mm with soft cone 35 mm, torsion joint Ø 66 mm bayonet, anti-static	093681
	Extraction hose 5 m Ø 49 mm with cone 58 mm, torsion joint Ø 66 mm bayonet, anti-static	093730
	Hand-held extraction set D 35 2 tubes 1 floor nozzle 1 handle 1 hose D 35, 2.5 m	093718
	Fold filter cassette 1 pair, polyester (8600 cm ²)	093674
	Non-woven filter bag 5 pieces, capacity: 21 liters	093719
	PE dust bag 5 pieces, capacity: 21 liters	093721
	Reducing socket 58/35 mm	203602

Extraction hoses (recommended sizes)

Which hose diameter is suitable for which machine?

Machine type	27 mm	35 mm	49 mm
P1 cc	•		
KSS 300	•		
KSS 40 18 M bl	•		
KSS 50 cc	•		
KSS 50 18M bl	•		
KSS 60 cc	•		
KSS 60 18M bl	•		
KSS 80 Ec / 370	•		
PSS 3100 SE		•	
MT 55 cc	•		
MT 55 18M bl	•		
MS 55 / MS 55-18	•		
KSP 40 Flexistem	•		
K 55 cc	•		
K 55 18M bl	•		
K 65 cc	•		
K 65 18M bl	•		
K 85 Ec / K 85-18	•		
MKS 130 Ec			•
MKS 145 / 165 Ec			•
MKS 185 Ec			•
Z 5 Ec	•		
DSS 300 cc		•	
ERIKA 60	• ¹⁾	• ¹⁾	•
ERIKA 70	• ²⁾	• ²⁾	•
ERIKA 85	• ²⁾	• ²⁾	•
DD40	•		
UVA 115 E	•		
EVA 150 E	•		
MHU 82	•	•	
LO 65 Ec	•		•
NFU 32			•
NFU 50			• ⁴⁾
MF 26 cc	•	• ³⁾	
SKS 130	•		

¹⁾ Reducing socket required

²⁾ Unless a reducing socket is fitted, extraction can take place only from a chip channel at the bottom.

³⁾ Extraction hose inside diameter LW 35

⁴⁾ Extraction hose 5m (Ref. No. 093730)

Dust Extractors

S 35 M



New premium adapter plate (MAX holder) as holding fixture for any systainer generation and L-BOXX.

Uninterrupted operation for long periods of continuous duty. Owing to the very latest filter cleaning technology, consistently high suction performance is maintained even during the automatic main filter cleaning cycle.

The control panel on the front gives easy access to the dials for selecting the desired suction mode and hose diameter.

Clogging of the filter has been reduced even further by a special coating. Thanks to the extremely effective cleaning technology, moreover, even large quantities of fine dust are easily and reliably removed.

Product Features

- **Rated for dust class M**
- **Permanent Clean technology for uninterrupted continuous duty**
- **iPulse sensor technology monitors extent of filter contamination**
- **Anti-static properties included**

Application area

- For wet and dry pick-up
- For picking up waste
- Compatible materials include dust, chips, liquids

Product description

The newly revised S 35 M (lighter, more efficient and functional) combines excellent extraction quality with high user convenience. Thanks to Permanent Clean functionality, a nano-coated main filter and intelligent iPulse sensor technology, all types of dust in dust class M are permanently and reliably removed.

The extent of filter contamination is monitored by special sensor technology. As a consequence, cleaning takes place only when the filter is actually contaminated, and not at fixed intervals or when the hose is blocked or kinked.

Thanks to the automatic on/off switch, the MAFELL dust extractors can be used for extracting the dust created by all other makes of power tool as well. All the MAFELL models are also suitable for picking up liquids.

Technical data

Bin capacity	35 l
Bin water capacity	22 l
Hose connector	Ø 66/58 mm
Low air pressure	280 mbar
Dimensions (B x L x H)	500 x 405 x 570 mm
Volume flow rate	270 m³/h
Nominal input	1200 – max. 1400 W
Weight without MAX-holder	15.6 kg
Weight with MAX-holder	16.8 kg
Universal motor	230 V/50 Hz

Delivery specification

Dust Extractor S 35 M	91C401
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Delivery scope includes

1 Extraction hose 4 m Ø 27 mm with soft cone 35 mm, torsion joint, Ø 66 mm bayonet, anti-static	093684
1 Fold filter cassette 1 pair, polyester nano-coated (6000 cm²)	093720
1 MAX-holder	
1 PE dust bag FB 35	
1 Mains cable 8 m	176030



New rotary vane at the outlet connection which will also allow the use of PE disposal bags in the future.



New additional function: Easier and safer hose winding due to integrated cable hook with plug locking device at the adapter plate.



The hose is antistatic. The user is thus protected against electrostatic discharges (electric shock), and dust residue is less likely to cling to the hose.



Accessories / Tools

Image	Description	Ref. No.
	Extraction hose 4 m Ø 27 mm with soft cone 35 mm, torsion joint Ø 66 mm bayonet, anti-static	093684
	Extraction hose 5 m Ø 35 mm with soft cone 35 mm, torsion joint Ø 66 mm bayonet, anti-static	093681
	Extraction hose 5 m Ø 49 mm with cone 58 mm, torsion joint Ø 66 mm bayonet, anti-static	093730
	Hand-held extraction set D 35 2 tubes 1 floor nozzle 1 handle 1 hose D 35, 2.5 m	093718
	Fold filter cassette 1 pair, polyester (8600 cm ²)	093674
	Fold filter cassette 1 pair, polyester nano-coated (6000 cm ²)	093720
	Non-woven filter bag 5 pieces, capacity: 21 liters	093719
	PE dust bag 5 pieces, capacity: 21 liters	093721
	Reducing socket 58/35 mm	203602
	Machine holder S200-MH	207164
	Chip bag S 200 2 pieces	093791
	High-capacity extractor S 200 1x incl. extractor mounting, hose guard and 2x chip bag S 200	206869

Extraction hoses (recommended sizes)

Which hose diameter is suitable for which machine?

Machine type	27 mm	35 mm	49 mm
P1 cc	•		
KSS 300	•		
KSS 40 18 M bl	•		
KSS 50 cc	•		
KSS 50 18M bl	•		
KSS 60 cc	•		
KSS 60 18M bl	•		
KSS 80 Ec / 370	•		
PSS 3100 SE		•	
MT 55 cc	•		
MT 55 18M bl	•		
MS 55 / MS 55-18	•		
KSP 40 Flexistem	•		
K 55 cc	•		
K 55 18M bl	•		
K 65 cc	•		
K 65 18M bl	•		
K 85 Ec / K 85-18	•		
MKS 130 Ec			•
MKS 145 / 165 Ec			•
MKS 185 Ec			•
Z 5 Ec	•		
DSS 300 cc		•	
ERIKA 60	• ¹⁾	• ¹⁾	•
ERIKA 70	• ²⁾	• ²⁾	•
ERIKA 85	• ²⁾	• ²⁾	•
DD40	•		
UVA 115 E	•		
EVA 150 E	•		
MHU 82	•	•	
LO 65 Ec	•		•
NFU 32			•
NFU 50			• ⁴⁾
MF 26 cc	•	• ³⁾	
SKS 130	•		

¹⁾ Reducing socket required

²⁾ Unless a reducing socket is fitted, extraction can take place only from a chip channel at the bottom.

³⁾ Extraction hose inside diameter LW 35

⁴⁾ Extraction hose 5m (Ref. No. 093730)

Special



By maintaining your natural posture according to scientific principles, the BionicBack functions as a brace to be worn when performing bending and lifting tasks. It offers assistance and reduces physical strain. The innovative device has been designed specifically to support the wearer's movements.



Special

Dust
Extraction

Mortising

Planing

Sanding

Drilling

Sawing

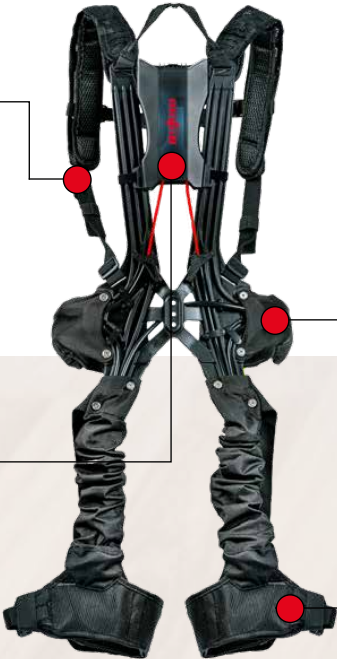
MAFELL

Exo-Stabilizer

BionicBack BB-1

Enables the wearer to put on the Bionic-Back easily without any assistance. The shoulder strap can be adjusted quickly to any length. Perfect wearing comfort with short adjustment time.

The perfect balance between stiffness and flexibility. Mirroring the biology of the spinal column, the Mafell BionicBack merges high tech with modern materials.



Adjustable dosage of support for perfect adaptation to static or dynamic work tasks.

Detachable pads promote good hygiene practices and allow the brace to be shared and regularly machine-washed. There's no reason not to wear the brace even when working up a sweat.

Product features

- Support when lifting
- Enhanced efficiency
- Unrestricted movement
- Fit for work and play

Product description

By maintaining your natural posture according to scientific principles, the BionicBack functions as a brace to be worn when performing bending and lifting tasks. It offers assistance and reduces physical strain. The innovative device has been designed specifically to support the wearer's movements.

Wearing the BionicBack reduces fatigue in your back and leg muscles right from the start, so that you and your team can conserve enough energy to enjoy the leisure time that follows a hard day's work.

The physical stresses that occur while bending and lifting are reduced by 30 percent. Tipping the scales at just 1.2 kg, the brace is extremely comfortable to wear. Because it is modeled on the human skeleton, the wearer retains maximum freedom of movement.

Putting people first – user-friendliness was the top priority during development of the BionicBack. Intuitive adjustment, low weight and a durable construction produce a feel-good factor right from the start.

Technical data

Weight	1,2 kg
Clothes size	S - XXL

BB-1

Delivery specification

Exo-Stabilizer BionicBack BB-1	095262
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Delivery scope includes

3 Extension straps	
1 Toolbag TZ-WT30	095261



24% less exertion and 86% less fatigue. In your profession, heavy lifting is unavoidable. The BionicBack brace distributes the forces acting on your body as efficiently as possible. By easing the load on your muscles and joints, it reduces physical strain.



Back pain is a major cause of absence from work. Wearing the BionicBack enhances physical performance: serving as an exoskeleton, it improves your strength and endurance, and shortens the time it takes to perform tasks.



Coupled with ergonomic design, lightweight flexible materials provide support in a controlled way. And the perfect fit makes the brace comfortable to wear and offers the greatest possible freedom of movement.

Accessories / Tools

Image	Description	Ref. No.
	Set of replacement pads BB-PWS 2 shoulder pads 1 hip pad 2 leg pads	095269

HIT-M 65

For bevelled plate edges, the support plate can be swivelled up to 50°.

Automatic edge feed with edge detection as stop function.



A clear arrangement of the control elements makes working with the device simple and intuitive.

Connection socket for optionally available foot switch

Product features

- Permanent zero joint
- Bevelled edges are possible
- No glue change required
- No set-up time

Application area

- Optimally suited for larger moulded parts, for example, and for use on the construction site.
- For panel materials with edge heights of up to 65 mm

Product description

The HIT-M is the first and only mobile device for creating an optical zero joint. With the hot air injection technique, all customary zero joint edges with applied functional layer can be processed - without the use of additional adhesive.

The HIT-M can be flexibly used and is ideal for intricate components. Especially with free-forms or tight radii it shows its great strengths.

Perfectly straight, bevelled, curved and round panel materials as well as moulded parts can be processed. Inclined cut surfaces of up to 55° can be easily achieved.

The working temperature is reached a few seconds after switching on the unit. With the HIT-M there is no need for time-consuming colour changes or cleaning of glue pans.

Technical data

Nominal voltage	230 V
Nominal power input	3050 W
Edge height	10 – 65 mm
Tilt range	0 – 50°
Edge thickness	0,4 – 3,0 mm
Min. inside radius	22 mm
Heating time	30 s
Temperature	max. 520° C
Infinitely variable feed rate	1 – 5,5 m/min
Weight	10,8 kg
Dimensions (L x W x H)	220 x 160 x 360 mm
Connection compressed air	6 – 10 bar

Delivery specification

HIT-M 65 in MAFELL-MAX	9K0001
HIT-M 65 SA in MAFELL-MAX	9K0002
HIT-M 65 SA in T-MAX	9K0005

Delivery scope includes

	HIT-M 65	HIT-M 65 SA
1 swivelling driven roller		x
1 Tanos systainer size 5	x	x
1 swivelling support plate	x	x
1 cleaning brush	x	x
2 locking bolts (short and long)	x	
1 hexagon socket 3 mm	x	x
1 hexagon socket 4 mm	x	x
1 hexagon socket 5 mm	x	x
1 hexagon socket 6 mm	x	x
1 connection package 5 m (voltage/compressed air)	x	x





All commercially available edges from 0.4 - 3 mm with pre-coated or post-coated functional layer can be processed with the HIT-M.



For bevelled plate edges, the support plate can be swivelled up to 50°.



Especially due to the driven pressure roller of the SA-model, extreme inner radii as from 10 mm can be effortlessly implemented.



A clear arrangement of the control elements makes working with the device simple and intuitive.

MAFELL

Sawing

Drilling

Sanding

Planing

Mortising

Dust
Extraction

Special

Accessories / Tools

Image	Description	Ref. No.
	Machining table BAT+ Machining table BAT	9K0101 9K0102
	All information about the BAT on the next sites	
	Foot switch momentary/latching	208469
	Hold-down device with roller for guiding workpieces on the BAT	208470
	Vacuum plate D160 for machining table BAT	208471
	Vacuum plate for machining table BAT	
	200 x 55 mm	208472
	255 x 55 mm	208473
	370 x 80 mm	208474
	Table extension for machining table BAT each 600 x 490 mm	208475
	Plastic ball casters 10 Pieces, for machining table BAT	208477
	Strip magazine holder for machining table BAT	208479
	Shims for machining table BAT 0.8mm, set	208476
	Strip magazine for machining table BAT	208956

Zero joint edge bander

HIT-M 103 SA

For bevelled plate edges, the support plate can be swivelled up to 50°.

Automatic edge feed with edge detection as stop function.

A clear arrangement of the control elements makes working with the device simple and intuitive.

Connection socket for optionally available foot switch



Product features

- **Permanent zero joint**
- **Bevelled edges are possible**
- **For large edge heights**
- **No glue change required**
- **No set-up time**

Application area

- Optimally suited for larger moulded parts, for example, and for use on the construction site.
- For panel materials with edge heights of up to 103 mm

Product description

The HIT-M is the first and only mobile device for creating an optical zero joint. With the hot air injection technique, all customary zero joint edges with applied functional layer can be processed - without the use of additional adhesive.

The HIT-M can be flexibly used and is ideal for intricate components. Especially with free-forms or tight radii it shows its great strengths.

Perfectly straight, bevelled, curved and round panel materials as well as moulded parts can be processed. Inclined cut surfaces of up to 55° can be easily achieved.

The working temperature is reached a few seconds after switching on the unit. With the HIT-M there is no need for time-consuming colour changes or cleaning of glue pans.

Technical data

Nominal voltage	230 V
Nominal power input	3050 W
Edge height	10 – 103 mm
Tilt range	0 – 50°
Edge thickness	0,4 – 3,0 mm
Min. inside radius	10 mm
Heating time	30 s
Temperature	max. 520° C
Infinitely variable feed rate	1 – 5,5 m/min
Weight	10,9 kg
Dimensions (L x W x H)	220 x 160 x 400 mm
Connection compressed air	6 – 10 bar

HIT-M

Delivery specification

HIT-M 103 SA

9K0004

Delivery scope includes

- 1 swivelling support plate**
- 1 cleaning brush**
- 2 locking bolts** (short and long)
- 1 hexagon socket 3 mm**
- 1 hexagon socket 4 mm**
- 1 hexagon socket 5 mm**
- 1 hexagon socket 6 mm**
- 1 connection package 5 m** (voltage/compressed air)

PG K
Price list page 27



All commercially available edges from 0.4 - 3 mm with pre-coated or post-coated functional layer can be processed with the HIT-M.



For bevelled plate edges, the support plate can be swivelled up to 50°.



Especially due to the driven pressure roller of the SA-model, extreme inner radii as from 10 mm can be effortlessly implemented.



A clear arrangement of the control elements makes working with the device simple and intuitive.

MAFELL

Sawing

Drilling

Sanding

Planing

Mortising

Dust
Extraction

Special

Accessories / Tools

Image	Description	Ref. No.
	Machining table BAT+ Machining table BAT	9K0101 9K0102
	All information about the BAT on the next sites	
	Foot switch momentary/latching	208469
	Hold-down device with roller for guiding workpieces on the BAT	208470
	Vacuum plate D160 for machining table BAT	208471
	Vacuum plate for machining table BAT	
	200 x 55 mm	208472
	255 x 55 mm	208473
	370 x 80 mm	208474
	Table extension for machining table BAT each 600 x 490 mm	208475
	Plastic ball casters 10 Pieces, for machining table BAT	208477
	Strip magazine holder for machining table BAT	208479
	Shims for machining table BAT 0.8mm, set	208476
	Strip magazine for machining table BAT	208956

Machining table

BAT

Ball bearing casters can be inserted or offset individually. Ideal for variable positioning.



All angle settings from 0 - 55° are freely adjustable.

For easy transport and mobility in the workshop.

Product features

- **Ball bearing casters for variable positioning of the workpiece**
- **Angle table freely adjustable from 0 - 55°**
- **Swivelling vacuum plate for safe post-processing**

Application area

- Semi-stationary system in use with zero-joint edge bander HIT-M

Product description

When used in conjunction with the BAT machining table, the mobile zero-joint edge bander turns into a semi-stationary system. Due to the perfect workpiece support with adjustable ball casters, almost any edge banding situation is possible.

Perfectly straight, bevelled, curved and round panel materials as well as moulded parts can be processed. Inclined cut surfaces of up to 55° can be easily achieved.

The associated 360° ball casters provide variable positioning for moulded parts and closed contours. The angle table enables a pneumatic angle adjustment for applying edges to inclined cut surfaces with an inclination of up to 55° on smaller workpieces. Pneumatic unlocking and damping of the angle adjustment facilitate handling.

Technical data

Overall dimensions (L x W x H)	790 x 663 x 1000 mm
Dimensions table top	780 x 490 mm
Working height	1000 mm
Tilt range	0 – 55°
Connection voltage	230 V / 16A
Connection compressed air	6 - 10 bar
Weight	55,8 kg

Delivery specification

BAT+	9K0101
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Delivery scope includes

- 42 ball casters**
- 1 connection package 4 m**
voltage/compressed air
- 1 angle table, pneumatically adjustable**
- 1 vacuum system Vacuum plate**
round Ø160 mm



In order to enhance the contact of the plate on the ball casters of the BAT machining table, it is optionally possible to set the hold-down device to the exact plate height.



The BAT significantly simplifies the approaching of beveled edges. All angle settings from 0 - 55° are freely adjustable. Commonly used angle settings can be locked.

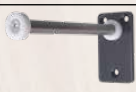


Individual and intricate free-form parts can be excellently produced with the HIT-M 65 SA incl. driven transport roller and the BAT machining table.



The workpiece can be fixed with the vacuum plate to ensure safe finishing of the edge. When it is not used, it is switched off by a touch valve.

Accessories / Tools

Image	Description	Ref. No.
	Foot switch momentary/latching	208469
	Hold-down device with roller for guiding workpieces on the BAT	208470
	Vacuum plate D160 for machining table BAT	208471
	Vacuum plate for machining table BAT	
	200 x 55 mm	208472
	255 x 55 mm	208473
	370 x 80 mm	208474
	Table extension for machining table BAT each 600 x 490 mm	208475
	Plastic ball casters 10 Pieces, for machining table BAT	208477
	Strip magazine holder for machining table BAT	208479
	Strip magazine for machining table BAT	208956

Cordless angle grinder

WS 125-18

Removable dust filter to protect the motor from coarse particles.

M-Quick system for tool-free disc changes at the touch of a button.

The motor is equipped with a fast braking system for maximum user safety.

The battery pack can be rotated in 90° increments for optimum ergonomics in any working position.

Ergonomically integrated - the paddle switch with dead man's function for safe handling.



Product features

- **Fast brake system**
- **Tool-free disc change**
- **Portable CAS 18 V Li-Ion technology**

Application area

- Cutting, grinding, roughing
- Depending on disc properties for universal use

Product description

The latest generation brushless motor is service-free and highly efficient.

The electronic circuitry ensures great ease of use. It features smooth starting, a safety cutout in case the cutter gets stuck, and restart protection to prevent unintentional starting after a battery change.

Technical data

Tool Ø	125 mm
Nominal No. of strokes – no load	10.000 1/min
Dimensions (W x L x H)	230 x 340 x 120 mm
Sound pressure level dB(A)	81
Vibration (sanding the surface)	8 m/s ²
Vibration (sanding with sanding disc)	2,5 m/s ²
Weight	1,9 kg
Nominal voltage	18 V

WS 125-18

Delivery specification

WS 125-18 PURE in MAX3

91F102

Delivery scope includes

- 1 Cutting disc D125 x 1.0 x 22.23 mm for steel and stainless steel**
- 1 Protective cover CLIP**
- 1 Quick flange**

Accessories / Tools

Abbildung	Bezeichnung	Best. Nr.
Battery-PowerTank		
	18 M 72 LiHD	094500
	Li-Ion, 18V, 72 Wh (LiHD)	
	18 M 72 LiHDX	094523
	Li-Ion, 18V, 72 Wh (LiHDX)	
	18 M 99 LiHD	094503
	Li-Ion, 18V, 99 Wh (LiHD)	
	18 M 144 LiHD	094498
	Li-Ion, 18V, 144 Wh (LiHD)	
	18 M 144 LiHDX	094520
	Li-Ion, 18V, 144 Wh (LiHDX)	
	Battery PowerStation	094492
	APS M 18 V	
	Battery PowerStation	094509
	APS M+	
Quick Charger 18 V		
	Power-Set 1	209596
	2X 18 M 72 LiHD + APS M	
	Power-Set 2	209599
	2x 18 M 99 LiHD + APS M	
	Power-Set 3	209598
	2x 18 M 144 LiHD + APS M+	
	Power-Set 4	212615
	2 X 18 M 144 LiHDX + APS M+	

Terms of business

1. General

These terms and conditions apply to all orders placed in commercial dealings with entrepreneurs (Unternehmer as per § 14 German Civil Code (BGB)). Individual contractual agreements take precedence. The Customer's terms of purchase are hereby expressly rejected.

2. Offers

2.1 Our offers and cost estimates are non-binding and do not take effect until the order has been confirmed by us in writing.

2.2 Documents/records etc. relating to an order, such as pictures, drawings, details of weights and dimensions, only apply as approximations unless they are expressly described as binding. We reserve title and copyright to cost estimates, drawings and other documents/records etc.; these may not be made accessible to third parties.

3. Delivery

3.1 Consignments delivered must be as specified in our written confirmation of order. Accessories to be included in a delivery are noted in our sales documentation and/or offers. The right to deviate from such specifications due to model changes is reserved.

3.2 Goods which we are not obliged to take back may only be returned with our express consent. Such returns must in all cases be delivered to us free of cost, and EUR 20.00 will be charged for processing and storage. The Customer remains entitled to prove that the cost was less. We will not accept any returns of electrical/electronic components.

3.3 Goods supplied by us may only be exported, directly or indirectly, with our written permission. Any infringement of this term will entitle us to claim damages.

4. Delivery times

4.1 All delivery periods mentioned in our offers and/or order confirmations are non-binding and begin to run on the dispatch of the order confirmation, but not before the Customer has supplied the documents/records etc. and approvals/permits etc. required from it or before the receipt of any agreed deposit. Claims for damages due to non-binding delivery periods being exceeded are excluded. This does not apply if we confirm in text form a binding delivery date defined in terms of a calendar date.

4.2 If a failure to adhere to a non-binding delivery time or a binding delivery date is due to force majeure, e.g. general mobilisation, war, rioting or similar events, e.g. strikes, lockouts, etc., delivery times/dates will be extended appropriately.

5. Passing of risk

5.1 The risk passes to the Customer on dispatch by us, even if part deliveries are made or if we have undertaken to supply other items/services, e.g. transport costs or delivery.

5.2 If dispatch is delayed due to circumstances for which the Customer is responsible, the risk will pass to the Customer on the day when goods are ready for dispatch.

5.3 Part deliveries are permissible.

6. Prices and payments

6.1 Our prices in force on the day of delivery apply, plus statutory VAT.

6.2 A minimum charge of EUR 10.00 plus VAT will apply to deliveries of small numbers of units and/or of low value which do not represent part deliveries. It is therefore recommended that orders should be placed for goods which at least exceed this value.

6.3 Prices are ex-works/sales depot. If any other prices are to apply, they must be notified separately and/or expressly agreed.

6.4 If a period of grace is allowed for payments to be made or if they are made later than agreed, we are entitled to charge interest at 4.0% above the current ECB refinancing rate during the intervening period, without any formal notice of default being required. The Customer retains the right to prove that damages were less than this.

6.5 We reserve the right to require payment on delivery.

7. Terms of payment

7.1 Unless otherwise denominated, our invoices are payable net in EUR within 30 days of the invoice date. Repair invoices are payable net, immediately. The payment deadline will be deemed to have been met if the money becomes available to us at one of our banks before it expires.

7.2 Bills of exchange and cheques are only accepted conditionally as payment; the Customer must bear the costs of discounting and collection. Payment by draft must be agreed in advance. In the case of payment by cheque/draft, the agreed reservation of title applies until the bill is redeemed.

7.3 If the Customer's financial circumstances deteriorate substantially, all outstanding claims will become payable immediately.

8. Reservation of title

8.1 We reserve title to all goods supplied until all of our existing and future claims arising out of the business relationship have been settled in full, whatever their legal basis. If the value of all of our security rights exceeds the amount of all the claims secured by more than 20%, we will on demand by the Customer release a corresponding proportion of the security rights, to be selected by us at our reasonable discretion.

8.2 The Customer may only sell/dispose of reserved goods in the normal course of business and then likewise subject to reservation of title. This right will cease to apply if the Customer stops payments. The Customer hereby assigns to us with immediate effect all claims and associated subsidiary rights accruing to it as a result of such disposal/ resale. These assigned claims are to serve as security for all claims pursuant to Subsection 8.1. The Customer is entitled to collect the claims assigned, as long as we do not withdraw this authorisation. The Customer is not entitled to dispose of claims in any other way, e.g. by assignment. The authorisation to collect will cease to apply, even without any express revocation, if the Customer stops payments. If the authorisation to collect is revoked or otherwise ceases to apply, we are entitled to collect receivables ourselves. The Customer undertakes to supply us with all information required for the collection of the claims assigned. It also undertakes to supply us with documents publicly certified at its own expense confirming the assignment of the claims.

8.3 Any pledging or assignment as security of goods supplied is prohibited. In the event of seizure by a third party, the supplier must be informed immediately.

8.4 In the event of a culpable breach of a substantial contractual obligation by the Customer, in particular in the event of late payment, we are entitled to take back goods following the issue of a formal warning; the Customer must hand over the goods. Neither the taking back of goods nor the enforcement of reservation of title nor the seizure of reserved goods by us represent a withdrawal from the contract, unless we have expressly declared such withdrawal.

9. Offsetting

9.1 The Customer is only entitled to offset claims of its own against our claims to payment if the former are undisputed or legally final and binding. It may only exercise liens and withholding rights to the extent that the claims on which they are based are undisputed or legally final and binding.

9.2 We are entitled to offset claims of our own against the Customer's claims.

10. Warranty and liability for defects or absences of guaranteed features in items supplied.

10.1 We reserve the right to repair or replace defective deliveries. The limitation period for claims based on defects in deliveries of movable items and/or works (excluding construction works) is 12 months from the statutory limitation period's commencement date (passing of risk).

10.2 In the event of a complaint, the Customer is only entitled to withhold a corresponding amount of payment if we expressly acknowledge the justification for the complaint or if there can be no doubt of its justification.

10.3 We must be allowed reasonable time and opportunity to rectify defects. If this is refused, we are to that extent relieved of our warranty obligations.

10.4 If we allow a reasonable deadline set for us to pass without rectifying the defect concerned, the Customer is entitled to rescind the contract or to require a reduction in the price.

10.5 The warranty does not cover normal wear and tear or damage suffered after the passing of risk as a result of incorrect or negligent handling, excessively hard use, unsuitable operating materials, exceptional external influences which are not envisaged by the contract or non-reproducible software errors. If the Customer or a third party carry out modifications or inappropriate repair work, no warranty will apply either to these or to their resulting consequences.

10.6 A new warranty period of 12 months applies to repairs, replacements or substitute services, to remain in force at least until the expiry of the original warranty period for the item concerned. For items which cannot be usefully operated due to the interruption, this period is extended by the duration of the interruption caused by the repair, replacement or substitute service.

10.7 Should it become apparent whilst rectifying a supposed defect that the problem concerned is not covered by our warranty, the Customer must bear the costs incurred.

10.8 We are under no obligation to rectify defects if the Customer does not meet its payment obligations.

10.9 The periods referred to in Subsections 10.1 and 10.5 do not apply where the legal provisions of § 638 German Civil Code (BGB) prescribe longer periods.

10.10 Any other warranty claims by the Customer against us or our vicarious agents are excluded; Section 11. However, this is without prejudice to any other liabilities.

11. Other liabilities

Claims for damages by the Customer, whatever their legal basis, based in particular on positive infringements of claims, on breaches of obligations applicable to contract negotiations or on tort, are hereby excluded. This does not apply to liability pursuant to the German Product Liability Act based on premeditation or gross negligence, based on the absence of guaranteed features, based on injury to life, limb or health or based on a breach of a substantial contractual obligation, i.e. a contractual obligation of which a breach jeopardises the achievement of the contract's purpose. Damages for breaches of substantial contractual obligations are, however, limited to foreseeable damages typical of the type of contract concerned, unless there has been premeditation or gross negligence. The above provisions do not imply any reversal of the burden of proof to the disadvantage of the Customer.

12. Our cancellation rights

12.1 If the Customer fails to make payments due within the framework of its business relationship with us on time, or if we become aware of a substantial deterioration of its financial circumstances (in particular compulsory enforcement measures against the Customer or the stopping of payments), we are entitled to require security to be provided before executing the contract. If the Customer fails to satisfy such a requirement, we are entitled to withdraw from the contract and charge the costs we have incurred.

12.2 We are also entitled to withdraw from the contract, subject to reasonable notice, if unforeseeable events within the meaning of Subsection 4.1 affect us or any of our own suppliers and/or it turns out later that it is impossible to execute the contract.

12.3 The Customer is not entitled to claim damages on the basis of such a withdrawal.

13. Place of performance and legal venue

13.1 The place of performance is 78727 Oberndorf a.N., Germany.

13.2 The legal venue is Oberndorf Local Court / Rottweil Regional Court.

13.3 This contractual relationship and its interpretation are exclusively subject to German law, with the rules applicable to conflicts of law and the UN Convention on the International Sale of Goods (CISG) being excluded.

14. Severance

Should any individual provision of the contract and/or these Standard Terms and Conditions be invalid or unenforceable, this shall not affect the validity of the contract or the remaining provisions. In such a case, a replacement provision must be agreed upon between us and the Customer which comes as close as possible to achieving the aim and purpose of the deleted one. The same applies accordingly to any omitted provisions.

In order to develop a better tool for carpenters, we at MAFELL often take a special approach: We change our point of view and completely reconceive the tool in essential parts. At the same time, we always keep in mind the future requirements of the woodworking trade.

From this way of thinking, paired with an outstanding material and processing quality, amazing solutions emerge again and again. For example, in terms of functionality and ease of use. It is our claim that you no longer have to think about your tools when doing your work. Simply because we at MAFELL have already done so extensively. After all, we have a common goal: the perfect job. Or in brief:

creating excellence

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