

Iftode Universal
sisteme de construcții

mafel



Catalog
2016/2017



MAFELL

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Pictograms



230 V

Machine with single-phase AC or universal motor.



400 V

Machine with three-phase AC motor.



Cuprex

With Cuprex – the high-performance motor.



Suction

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



Tilt angle 45°

Tool can be inclined by at least 45°.



Tilt angle 60°

Tool can be inclined by up to 60°.



Tilts to both sides

Tool can be inclined by up to 60° to each side.



FLIPPKEIL

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



Guide system

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



High stock removal

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



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Variable depth

Exact adjustment of cutting depth



Quick-fit paper

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



MAX + case

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



Oscillating stroke

Oscillating stroke jig saw with four different actions.



Clockwise/counter-clockwise

Optional clockwise or counter-clockwise rotation.



Friction clutch

Friction clutch for sawblade enhances safety in extreme conditions.



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



Safety brake

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



Variable speed

Choice of strokes/speed according to material.



Full wave electronics

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



Lightweight

Despite its highly robust design, this MAFELL machine has an extremely low weight.

PG = Product group

The MAFELL success story framed by milestones in wood.



1899

Formation of the company
MAschinenfabrik FELLbach



1926

The world's first portable
carpentry machine



1933

Relocation to Oberndorf-Aistaig



1935

Takeover of MAFELL by Rudolf
Mey, a professional engineer



2001

DD40 Market launch



2002

System PSS 3000
Rudolf Eberle Prize



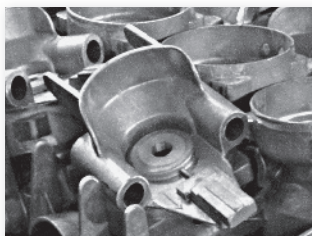
2003

Flexistem KSP 40
Eumacop Innovation Prize



2006

Launch of CUprex high-
performance motor

**1960**

Introduction of magnesium die castings

**1980**

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

**1990**

Relocation to Oberndorf-Lindenhof

**2000**

ERIKA 70 E Market launch

**2009**

MAFELL recognized as one of the 100 most innovative companies

**2011**

iF Product Design Award 2011 for the P1 cc

**2015**

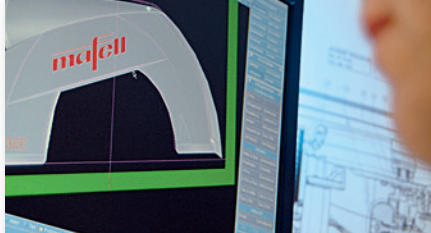
Market launch of cordless drill/impact drill drivers A 10M, A 18M and ASB 18M bl

Quality made in Germany.



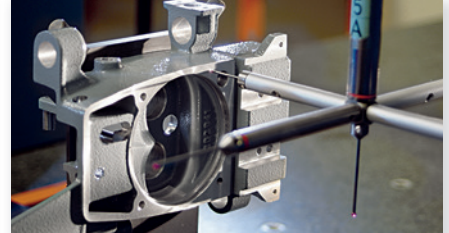
MAFELL's only production facility is in Oberndorf am Neckar. This commitment to quality made in Germany is further illustrated by a vertical range of manufacturing that covers as much as 85% of its output, and by the company's own toolmaking operation.

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

Other

Generation of motors: CUprex.

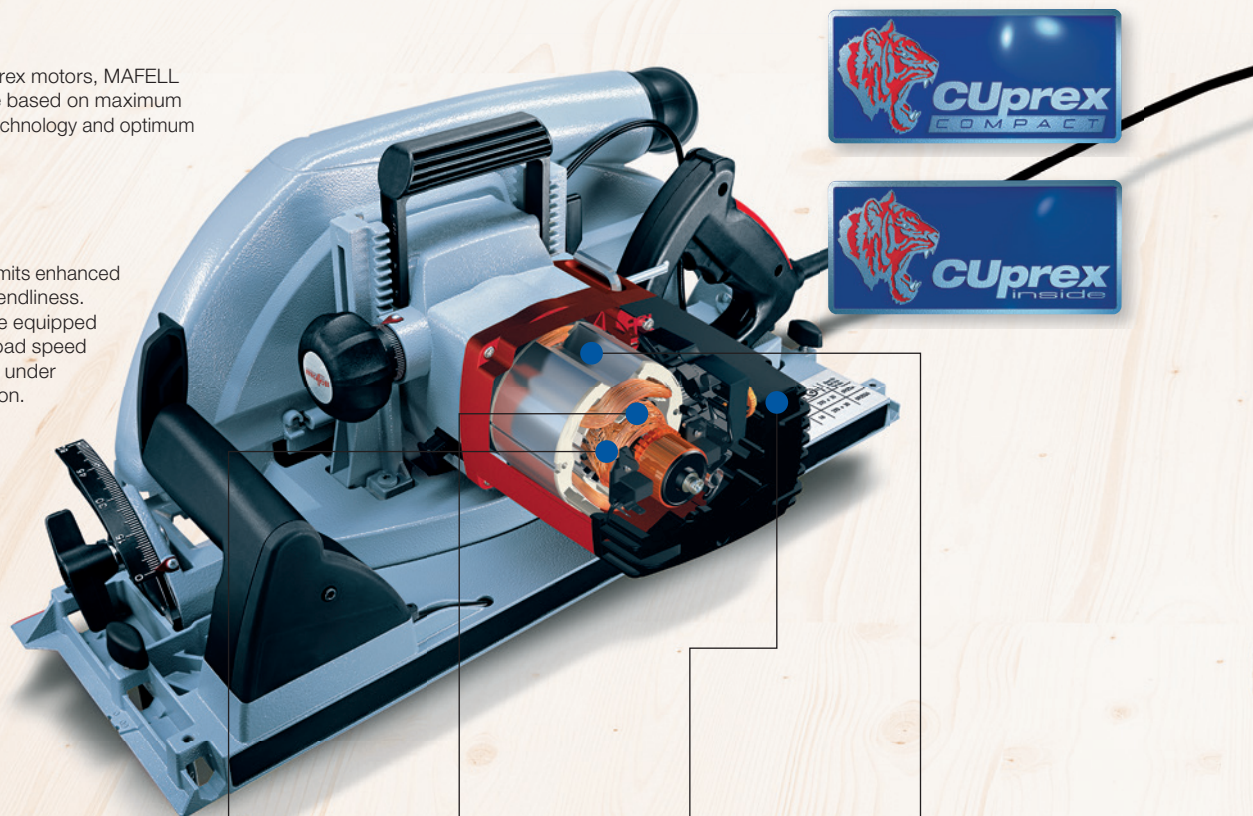
Putting sheer power and high torque on the map: CUprex – the high-torque motor generation with performance optimized digital electronics is setting new standards of pure power.

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

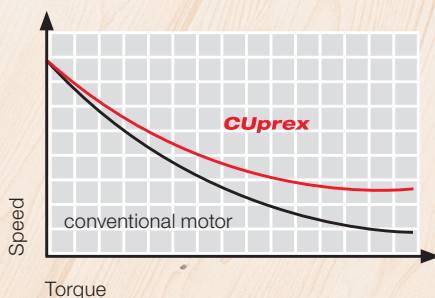
The larger armature diameter of the copper wire significantly reduces the stray power. The power potential is tangibly increased.

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 newly furnished 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 7423/812-114.



MAFELL value-added offers.

True to the slogan "Follow your instinct", 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.

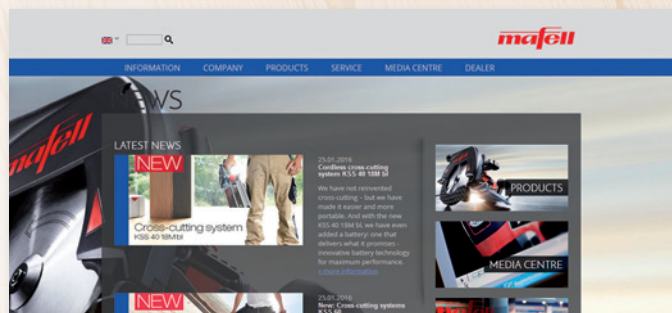


Get to know MAFELL online

As you would expect, our website also contains full information on our machines, special accessories and tools.

The site offers value-added benefits as well, including a geographical dealer search function. In the new download section, a wealth of documents and product information is available for downloading.

Pay us a visit at: www.mafell.com
Enjoy surfing.



MAFELL News

Find out about the latest developments at MAFELL. The fastest route to topical stories on products, trade fairs etc...

Media Center

An area for information and fun. From hilarious clips to informative product and application videos.



Online registration

By registering your machine, you receive the 3-year basic guarantee. The simplest way to register is online at www.mafell-garantie.de.

Sawing



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



Guide rails



The extendable guide rail with rubber lip and tear protection.



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



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



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



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

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

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

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

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

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

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

- | | | |
|----------------|-----------------|----------------|
| • P1 cc | • KSS 80 Ec/370 | • K 85/K 85 Ec |
| • MT 55 cc | • KSP 55 F | • MKS 130 Ec |
| • KSS 400 | • KSP 55/36 V | • MKS 145 Ec |
| • KSS 400/36 V | • MS 55 | • MKS 165 Ec |
| • KSS 60 cc | • MS 55/36 V | • MKS 185 Ec |
| • KSS 60 36B | • K 65 cc | • MF 26 cc |

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.

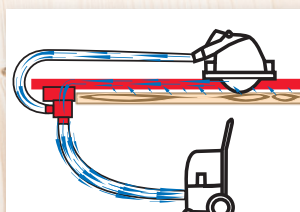
Aerofix F-AF 1

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

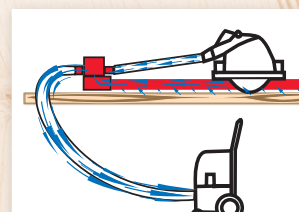


Suction fixing for cutting panels, doors etc... The suction force for fixing the F-AFU 130 to the 1.3 m guide rail is applied from underneath by way of the dual adapter.



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.

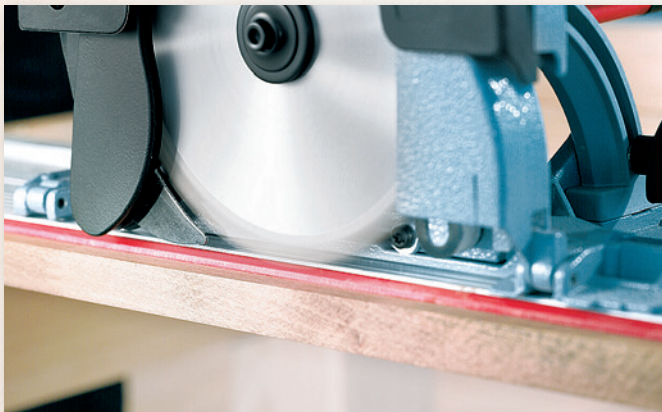
MAFELL FLIPPKEIL

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 36B | • KSP 55 / 36 V |
| • KSS 40 18M bl | • KSS 80 Ec / 370 | • K 65 cc |
| • KSS 400 | • PSS 3100 SE | • K 85 / K 85 Ec |
| • KSS 400 / 36 V | • KSP 40 Flexistem | |
| • KSS 60 cc | • KSP 55 F | |

... 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.

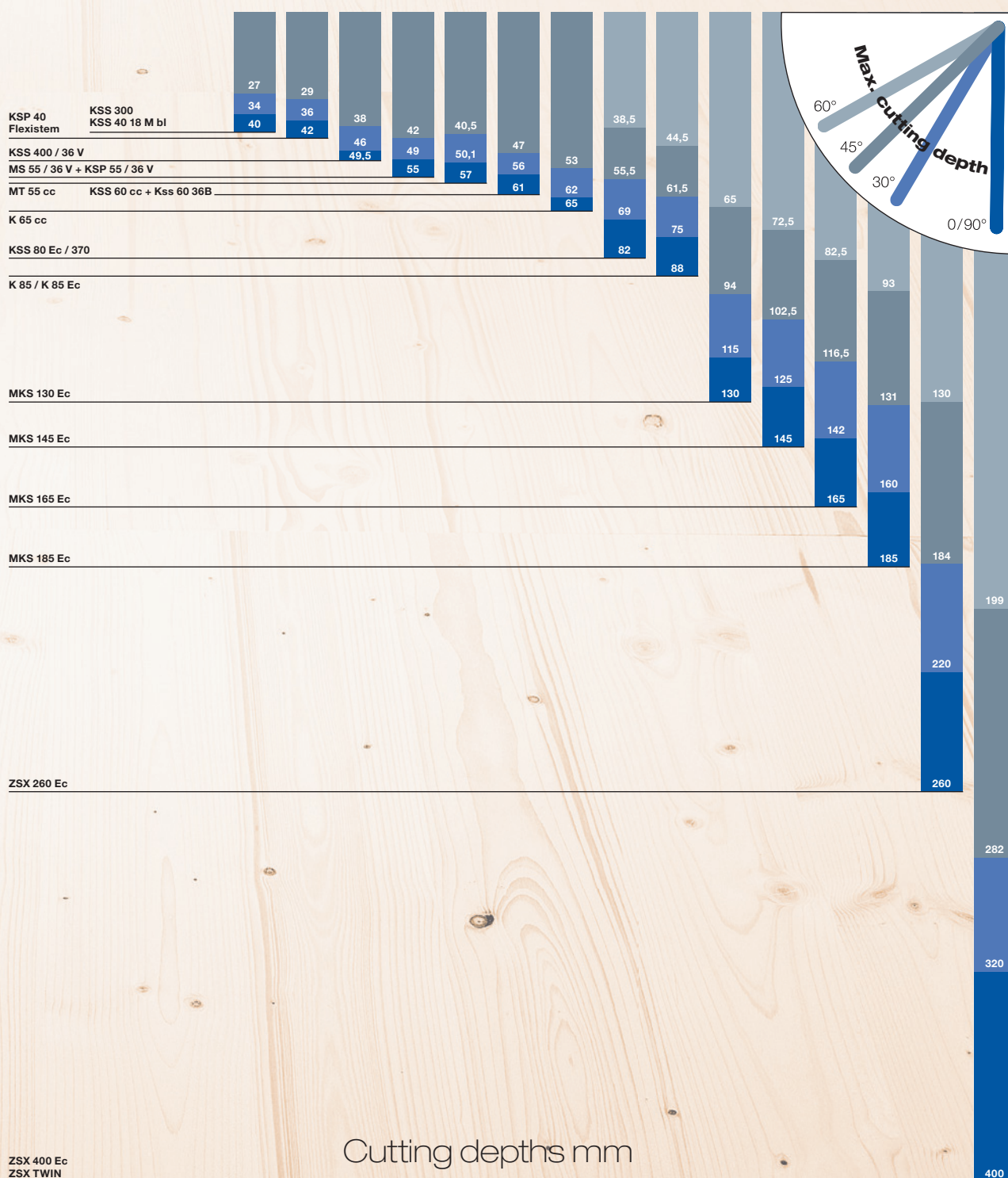


- As soon as there is a forward movement of the machine, the FLIPPKEIL automatically snaps into the saw cut.
- This ensures maximum user safety when sawing.
- Disassembly and reassembly of the riving knife, which is still necessary with most of other circular saws on the market to be able to carry out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





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



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

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

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

Product features

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

Application area

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

Product description

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

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

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

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

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

Technical data

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

P1 cc

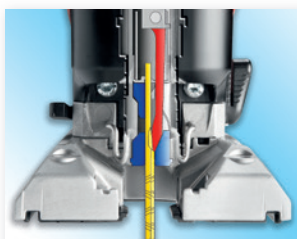
Delivery specification

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

Delivery scope includes

| | |
|------------------------------|--------|
| 3 Jig saw blades | |
| CUNex W1; W2; W+P2 | |
| 1 Parallel guide fence P1-PA | 205448 |
| 1 Sole plate P1-GP | 204350 |
| 1 Hose connector P1-AS | 203917 |
| 1 Chip deflector P1-SA | 204353 |
| 1 Splinter guard P1-SS | 205447 |
| 1 Glider P1-G | 205464 |
| 1 Mains cable 4 m (13.1 ft) | 077015 |





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



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





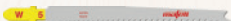
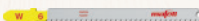

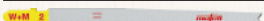

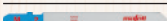
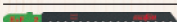





The CUnex W1 consists of two separate, soldered sawblades. The blade's strength and wedge shape ensure precise and square sawing, even when cutting curves.



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

Accessories / Tools

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

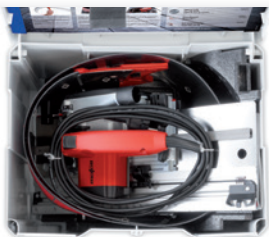
KSS 300

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 (4.6 ft) with splinter guard (MaxiMAX) | |
| 2 Clamping claws (MaxiMAX) | 203773 |
| 1 TCT saw blade | 092559 |
| 120 x 1.2/1,8 x 20 mm (4 3/4 in.), TZ, 40 teeth for fine cuts in wood | |
| 1 Parallel guide fence | 203180 |
| 1 Hose connector | 203782 |
| 1 Allen key 4 mm | 093074 |
| 1 Mains cable 4 m (13.1 ft) | 087323 |



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.


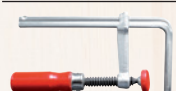







In combination with the roll-up Flexi-Guide, precise guided cuts up to 1.4 m (4.6 ft) long can be executed with consummate ease.



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 (4.6 ft) 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 (4 3/4 in.), AT, 24 teeth for universal use in wood | 092558 |
|  | TCT saw blade 120 x 1.2/1.8 x 20 mm (4 3/4 in.), TZ, 40 teeth for fine cuts in wood | 092559 |
|  | TCT saw blade 120 x 1.2/1.8 x 20 mm (4 3/4 in.), AT, 12 teeth for rip cuts in wood | 092560 |
|  | TCT saw blade 120 x 1.2/1.8 x 20 mm (4 3/4 in.), TT, 40 teeth for laminates | 092578 |
|  | Dust bag | 206787 |

The new, compact brushless motor is extremely durable, efficient and maintenance-free.

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.

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

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

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, there is no better helper than the KSS 40 18M bl, 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

KSS 40 18M bl

| | |
|---|---------------------|
| 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, Li-Ion |

Delivery specification

| | |
|--|--------|
| Cordless Cross-Cutting System KSS 40 18M bl PURE | 919802 |
| Cordless Cross-Cutting System KSS 40 18M bl in the T-MAX | 919801 |

Delivery scope includes

| | |
|--|---------------|
| 1 Flexi-Guide rail FX 140 (919801) | 204372 |
| 1.4 m (4.6 ft) with splinter guard | |
| 2 Clamping claws (919801) | 203773 |
| 1 TCT saw blade | 092558 |
| 120 x 1,2/1,8 x 20 mm, Z 24, AT, for fine cuts in wood | |
| 1 Parallel guide fence | 203180 |
| 1 Hose connector | 203782 |
| 2 Battery PowerTank 18M 94 (919801) | 094453 |
| 1 Battery PowerStation APS 18M (919801) | 094453 |
| 1 Dust Bag | 206787 |
| 1 Mains cable 4 m (13.1 ft) | 093074 |



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 1.4 m (4.6 ft) 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. | Image | Description | Ref. No. |
|-------|---|----------|-------|-----------------|----------|
| | Flexi-Guide rail FX 140 1.4 m (4.6 ft) with splinter guard | 204372 | | Dust bag | 206787 |
| | Screw clamp for fixing guide rail to workpiece | 093281 | | | |
| | TCT saw blade 120 x 1.2/1.8 x 20 mm (4 3/4 in.), AT, 24 teeth for universal use in wood | 092558 | | | |
| | TCT saw blade 120 x 1.2/1.8 x 20 mm (4 3/4 in.), TZ, 40 teeth for fine cuts in wood | 092559 | | | |
| | TCT saw blade 120 x 1.2/1.8 x 20 mm (4 3/4 in.), AT, 12 teeth for rip cuts in wood | 092560 | | | |
| | TCT saw blade 120 x 1.2/1.8 x 20 mm (4 3/4 in.), TT, 40 teeth for laminates | 092578 | | | |
| | Battery PowerTank 18 M 94 18 V, 94 Wh | 094436 | | | |
| | Battery PowerStation APS 18 M 18 V | 094453 | | | |

Cross-Cutting System

KSS 400



Thanks to the new and unique tilting system, a cutting depth of 49.5 mm (1 15/16 in.) is always available in the angle range from 0° to 22.5°.

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

- Free-standing operation without a rest
- Unique rail system
- Plunge Cut System with FLIPPKEIL

Application area

- Cross cuts with guide
- Rip cuts and cross-cutting
- Plunge cuts and recesses
- Compatible materials include board materials, doors, worktops, parquet and laminate flooring, cladding

Product description

Forget everything you know about portable circular saws!

The MAFELL KSS 400 cross-cutting system is completely different. Its novel feature is the unique guide track that not only guides the portable circular saw, but is also connected to it to form a single unit: the KSS 400 cross-cutting system.

It's clearly a cut above the rest. The KSS 400 cross-cutting system enables you to saw in a standing position and without a rest, with angular precision and with only one hand on the machine. Its handling is unbeatable: thanks to magnesium die-cast components, the entire system weighs only 5.2 kg (11.5 lbs).

Once the cut has been executed, the saw automatically returns to the starting position. The maximum cutting length, exploiting the full cutting depth, is 400 mm (15 3/4 in.).

The pivot point of the KSS 400 is directly aligned with the splinter guard, so that only one marking pointer is required irrespective of the angle setting, with or without a rail. The splinter guard is embedded in the rail profile and can be changed quickly and simply as required.

Technical data

| | |
|---|---------------|
| Cutting depth at 0° with guide track | 49.5 mm |
| Cutting depth at 45° with guide track | 0 – 38 mm |
| Cutting depth at 0° without guide track | 55 mm |
| Tilt range | 0 – 45° |
| Cutting length | 400 mm |
| Angle cuts | –60° – +60° |
| Nominal no-load speed | 5200 1/min |
| Nominal input | 1100 W |
| Weight with guide rail | 5.2 kg |
| Universal motor | 230 V / 50 Hz |

KSS 400

Delivery specification

| | |
|--|---------------|
| Cross-Cutting System KSS 400 | 916501 |
| Cross-Cutting System KSS 400 with guide rail 1,6 m | 916511 |
| Cross-Cutting System KSS 400 in carrying case | 916502 |
| Cross-Cutting System KSS 400 in carrying case with guide rail 1,6 m | 916516 |

Delivery scope includes

| | |
|--|---------------|
| 1 TCT saw blade | 092552 |
| 160 x 1.2/1.8 x 20 mm (6 5/16 in.), AT, 32 teeth for fine cuts in wood | |
| 1 Parallel guide fence (916502 + 916511) | |
| 1 Guide track 400 | 204010 |
| 1 Guide bow (916501 + 916511) | 203208 |
| 1 Hose connector for chip extraction | 200042 |
| 1 Allen key 5 mm | 093034 |
| 1 Mains cable 4 m (13.1 ft) | 087323 |

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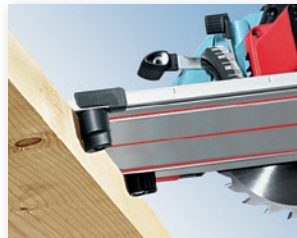




One-stop solution: in view of the saw's connection to the guide track, this is the world's first and only single-handed cross-cutting system.



The KSS 400 can be detached quickly and easily from the guide track for operation with an existing guide track.



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



The highly graduated scale permits very precise angle setting.

Accessories / Tools

| Image | Description | Ref. No. | Image | Description | Ref. No. |
|-------|--|----------|-------|--|----------|
| | Guide rail F 80 0.8 m (2.6 ft) long | 204380 | | Guide track 770 max. tilt range 770 mm (30 5/16 in.) | 204378 |
| | Guide rail F 110 1.1 m (3.6 ft) long | 204381 | | | |
| | Guide rail F 160 1.6 m (5.2 ft) long | 204365 | | Parallel guide fence with wing screws | 203214 |
| | Guide rail F 210 2.1 m (6.9 ft) long | 204382 | | | |
| | Guide rail F 310 3.1 m (10.2 ft) long | 204383 | | Mushroom-shaped handle as additional machine guide, with fixing screw | 201451 |
| | Connecting piece F-VS for joining two guide rails | 204363 | | | |
| | Angle fence F-WA | 205357 | | Carrying case with insert | 204240 |
| | Aerofix F-AF 1 suction clamping system with 1.3 m (4 ft 3 in) rail, adapters for above and underneath rail, flexible hose | 204770 | | | |
| | Flexible hose FXS-L up to 3.2 m (10.6 ft) long | 205276 | | TCT saw blade 160 x 1.2/1.8 x 20 mm (6 5/16 in.), AT, 32 teeth for fine cuts in wood | 092552 |
| | 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 100MM + 1 guide pocket | 204805 | | TCT saw blade 160 x 1.2/1.8 x 20 mm (6 5/16 in.), AT, 24 teeth for universal use in wood | 092533 |
| | Guide pocket set: F 80 + F 160 + F-WA + F-VS + 2 x F-SZ 100MM + guide pocket | 204749 | | | |
| | End cap F-EK 2 pieces | 205400 | | TCT saw blade 160 x 1.2/1.8 x 20 mm (6 5/16 in.), AT, 16 teeth for rip cuts in wood | 092539 |
| | Non-slip profile F-HP 6.8M 6.8 m (22.3 ft.) long | 204376 | | | |
| | Splinter guard F-SS 3.4M 3.4 m (11.2 ft.) long | 204375 | | | |
| | Screw clamp F-SZ 100MM for fixing guide rail to workpiece, 2 pieces | 205399 | | | |

Cordless Cross-Cutting System

KSS 400 / 36 V



The cross-cutting system with the latest 36 V lithium-ion technology offers unprecedented flexibility and unrestricted use with full freedom from the mains power supply.

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

Product features

- **Portable 36 V Li-ion technology**
- **Precise angle and miter cuts**

Application area

- Cross cuts with guide
- Rip cuts and cross-cutting
- Plunge cuts and recesses
- Compatible materials include board materials, doors, worktops, parquet and laminate flooring, cladding

Product description

Forget everything you know about portable circular saws!

Its novel feature is the unique rail that not only guides the portable circular saw, but is also connected to it to form a single unit: the KSS 400 / 36 V cross-cutting system.

It's clearly a cut above the rest. The KSS 400 / 36 V cross-cutting system enables you to saw in a standing position and without a rest, with angular precision and with only one hand on the machine. Its handling is unbeatable: thanks to magnesium die-cast components, the entire system weighs only 6.1 kg (13.4 lbs).

Once the cut has been executed, the saw automatically returns to the starting position. The maximum cutting length, exploiting the full cutting depth, is 400 mm (15 3/4 in.).

The pivot point of the KSS 400 / 36 V is directly aligned with the splinter guard, so that only one marking pointer is required irrespective of the angle setting, with or without a rail. The rubber lip is embedded in the rail profile and can be changed quickly and simply as required.

Technical data

| | |
|---|---------------------|
| Cutting depth at 0° with guide track | 49.5 mm |
| Cutting depth at 45° with guide track | 0 – 38 mm |
| Cutting depth at 0° without guide track | 55 mm |
| Tilt range | 0 – 45° |
| Cutting length | 400 mm |
| Angle cuts | –60° – +60° |
| Nominal no-load speed | 3800 1/min |
| Nominal voltage | 36 V |
| Weight with guide rail | 6.1 kg |
| Battery | 36 V, 94 Wh, Li-Ion |

KSS 400 / 36 V

Delivery specification

Cordless Cross-Cutting System KSS 400 / 36 V in carrying case 918401

Delivery scope includes

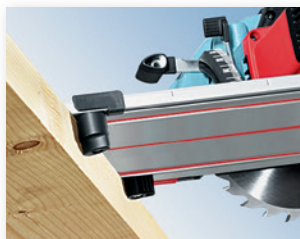
| | |
|--|---------------|
| 1 TCT saw blade | 092552 |
| 160 x 1.2/1.8 x 20 mm (6 5/16 in.), AT, 32 teeth for fine cuts in wood | |
| 2 Battery PowerTank 36 B 94 | 094412 |
| 36 V, 94 Wh, Li-Ion | |
| 1 Power station APS 36 | 094408 |
| 1 Hose connector for chip extraction | 200042 |
| 1 Parallel guide fence | 201436 |
| 1 Guide track 400 | 204010 |
| 1 Allen key 5 mm | 093034 |

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The handy KSS 400 / 36 V is highly suitable for working on site, because it offers full freedom from the mains power supply and extension leads.



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



The highly graduated scale permits very precise angle setting.



The KSS 400 / 36 V can be detached quickly and easily from the guide track for operation with an existing guide track.

Accessories / Tools

| Image | Description | Ref. No. | Image | Description | Ref. No. |
|-------|--|----------|-------|---|----------|
| | Guide rail F 80 0.8 m (2.6 ft) long | 204380 | | Guide track 770 max. tilt range 770 mm (30 5/16 in.) | 204378 |
| | Guide rail F 110 1.1 m (3.6 ft) long | 204381 | | | |
| | Guide rail F 160 1.6 m (5.2 ft) long | 204365 | | Parallel guide fence with wing screws | 203214 |
| | Guide rail F 210 2.1 m (6.9 ft) long | 204382 | | | |
| | Guide rail F 310 3.1 m (10.2 ft) long | 204383 | | Mushroom-shaped handle as additional machine guide, with fixing screw | 201451 |
| | 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 (6 5/16 in.), AT, 32 teeth for fine cuts in wood | 092552 |
| | | | | | |
| | Guide pocket F 160 for guide rails up to 1.6 m | 204626 | | TCT saw blade 160 x 1.2/1.8 x 20 mm (6 5/16 in.), AT, 24 teeth for universal use in wood | 092533 |
| | Guide pocket set: 2 x F 160 + F-VS + 2 x F-SZ 100MM + 1 guide pocket | 204805 | | TCT saw blade 160 x 1.2/1.8 x 20 mm (6 5/16 in.), AT, 16 teeth for rip cuts in wood | 092539 |
| | Guide pocket set: F 80 + F 160 + F-WA + F-VS + 2 x F-SZ 100MM + guide pocket | 204749 | | | |
| | End cap F-EK 2 pieces | 205400 | | TCT saw blade 160 x 1.1/1.6 x 20 mm (6 5/16 in.), FT/CFT, 16 teeth, for universal use with wood, Battery ideal | 092565 |
| | Non-slip profile F-HP 6.8M 6.8 m (22.3 ft.) long | 204376 | | | |
| | Splinter guard F-SS 3.4M 3.4 m (11.2 ft.) long | 204375 | | | |
| | Screw clamp F-SZ 100MM for fixing guide rail to workpiece, 2 pieces | 205399 | | | |
| | Battery PowerTank 36 B 94 36 V, 94 Wh, Li-Ion | 094412 | | | |



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

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

KSS 60 cc

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

Delivery specification

Cross-Cutting System KSS 60 cc 919101
Cross-Cutting System KSS 60 cc in carrying case 919102

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 400 204010
1 Allen key 5 mm 093034
1 Mains cable 4 m (13.1 ft) 087323



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 (2.6 ft) long | 204380 |
| | Guide rail F 110 1.1 m (3.6 ft) long | 204381 |
| | Guide rail F 160 1.6 m (5.2 ft) long | 204365 |
| | Guide rail F 210 2.1 m (6.9 ft) long | 204382 |
| | Guide rail F 310 3.1 m (10.2 ft) long | 204383 |
| | Connecting piece F-VS for joining two guide rails | 204363 |
| | Angle fence F-WA | 205357 |
| | Aerofix F-AF 1 suction clamping system with 1.3 m (4 ft 3 in) rail, adapters for above and underneath rail, flexible hose | 204770 |
| | Flexible hose FXS-L up to 3.2 m (10.6 ft) long | 205276 |
| | 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 100MM + 1 guide pocket | 204805 |
| | Guide pocket set: F 80 + F 160 + F-WA + F-VS + 2 x F-SZ 100MM + guide pocket | 204749 |
| | End cap F-EK 2 pieces | 205400 |
| | Non-slip profile F-HP 6.8M 6.8 m (22.3 ft.) long | 204376 |
| | Splinter guard F-SS 3.4M 3.4 m (11.2 ft.) long | 204375 |
| | Screw clamp F-SZ 100MM for fixing guide rail to workpiece, 2 pieces | 205399 |

| Image | Description | Ref. No. |
|-------|---|----------|
| | Guide track 770 max. tilt range 770 mm (30 5/16 in.) | 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 |

KSS 60 36B



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 36 V Li-ion 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 36B 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

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 voltage
Weight with guide rail
Battery

0 – 61 mm
0 – 47 mm
0 – 67 mm
0 – 53 mm
0 – 45°
408 mm
–60° – +60°
3300 1/min
36 V
6,6 kg
36 V , 94 Wh, Li-Ion

KSS 60 36B

Delivery specification

Cordless Cross-Cutting System KSS 60 36B in carrying case 919501

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 36 B 94 | 094412 |
| 36 V, 94 Wh, Li-Ion | |
| 1 Battery PowerStation APS 36 | 094408 |
| 1 Parallel guide fence | |
| 1 Guide track 400 | 204010 |
| 1 Allen key 5 mm | 093034 |





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



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 (2.6 ft) long | 204380 |
| | Guide rail F 110 1.1 m (3.6 ft) long | 204381 |
| | Guide rail F 160 1.6 m (5.2 ft) long | 204365 |
| | Guide rail F 210 2.1 m (6.9 ft) long | 204382 |
| | Guide rail F 310 3.1 m (10.2 ft) long | 204383 |
| | Connecting piece F-VS for joining two guide rails | 204363 |
| | Angle fence F-WA | 205357 |
| | Aerofix F-AF 1 suction clamping system with 1.3 m (4 ft 3 in) rail, adapters for above and underneath rail, flexible hose | 204770 |
| | Flexible hose FXS 1000MM up to 3.2 m (10.6 ft) long | 205276 |
| | 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 100MM + 1 guide pocket | 204805 |
| | Guide pocket set: F 80 + F 160 + F-WA + F-VS + 2 x F-SZ 100MM + guide pocket | 204749 |
| | End cap F-EK 2 pieces | 205400 |
| | Non-slip profile F-HP 6.8M 6.8 m (22.3 ft.) long | 204376 |
| | Splinter guard F-SS 3.4M 3.4 m (11.2 ft.) long | 204375 |
| | Screw clamp F-SZ 100MM for fixing guide rail to workpiece, 2 pieces | 205399 |

| Image | Description | Ref. No. |
|-------|--|----------|
| | Battery PowerTank 36 B 94 36 V, 94 Wh, Li-Ion | 094412 |
| | Guide track 770 max. tilt range 770 mm (30 5/16 in.) | 204378 |
| | Roller edge guide MF-UA | 206073 |
| | TCT saw blade 185 x 1,2/1,8 x 20 mm, 16 teeth, AT, Battery ideal, for rip cuts | 092494 |
| | TCT saw blade 185 x 1,2/1,8 x 20 mm, 32 teeth, AT, Battery ideal, for rip cuts and cross-cutting | 092493 |

KSS 80 Ec / 370



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

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

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

Product features

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

Application area

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

Product description

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

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

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

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

Technical data

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

KSS 80 Ec / 370

Delivery specification

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

Delivery scope includes

| | |
|--|--------|
| 1 TCT saw blade | 092590 |
| 237 x 1.8/2.5 x 30 mm (9 5 /16 in.), AT, 12 teeth for rip cuts in wood | |
| 1 Parallel guide fence | 205323 |
| 1 Hose connector for chip extraction | 205290 |
| 1 Allen key 5 mm | 093034 |
| 1 Guide track 370 | 205310 |
| 1 Mains cable 4 m (13.1 ft) | 087888 |



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

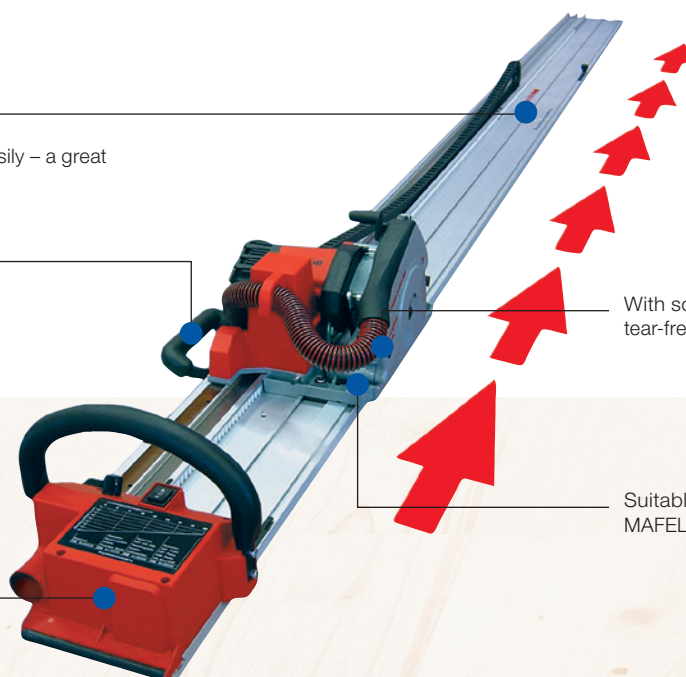
| Image | Description | Ref. No. | Image | Description | Ref. No. |
|-------|--|----------|-------|---|----------|
| | Guide rail F 80 0.8 m (2.6 ft) long | 204380 | | Parallel guide fence K 85-PA | 205323 |
| | Guide rail F 110 1.1 m (3.6 ft) long | 204381 | | Roller edge guide K 85-UA | 205166 |
| | Guide rail F 160 1.6 m (5.2 ft) long | 204365 | | L-MAX | 095170 |
| | Guide rail F 210 2.1 m (6.9 ft) long | 204382 | | TCT saw blade 237 x 1.8/2.5 x 30 mm (9 5/16 in.), AT, 12 teeth for rip cuts in wood | 092590 |
| | Guide rail F 310 3.1 m (10.2 ft) long | 204383 | | TCT saw blade 237 x 1.8/2.5 x 30 mm (9 5/16 in.), AT, 24 teeth for rip cuts and cross-cutting in wood | 092591 |
| | Connecting piece F-VS for joining two guide rails | 204363 | | TCT saw blade 237 x 1.8/2.5 x 30 mm (9 5/16 in.), AT, 56 teeth for cross-cutting in wood | 092592 |
| | Angle fence F-WA | 205357 | | | |
| | Aerofix F-AF 1 suction clamping system with 1.3 m (4 ft 3 in) rail, adapters for above and underneath rail, flexible hose | 204770 | | | |
| | Flexible hose FXS 1000MM up to 3.2 m (10.6 ft) long | 205276 | | | |
| | 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 100MM + 1 guide pocket | 204805 | | | |
| | Guide pocket set: F 80 + F 160 + F-WA + F-VS + 2 x F-SZ 100MM + guide pocket | 204749 | | | |
| | End cap F-EK 2 pieces | 205400 | | | |
| | Non-slip profile F-HP 6.8M 6.8 m (22.3 ft.) long | 204376 | | | |
| | Splinter guard F-SS 3.4M 3.4 m (11.2 ft.) long | 204375 | | | |
| | Screw clamp F-SZ 100MM for fixing guide rail to workpiece, 2 pieces | 205399 | | | |

PSS 3100 SE

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

Considerable price and handling advantages compared to stationary panel saws.

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



With scoring function - for perfect tear-free cuts.

Suitable for plunge cuts with the MAFELL-FLIPPKEIL.

Product features

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

Application area

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

Product description

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

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

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

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

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

Technical data

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

PSS 3100 SE

Delivery specification

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

Delivery scope includes

| | |
|--|--------|
| 1 TCT saw blade 160 x 1.2/1.8 x 20 mm (6 5/16 in.), AT, 24 teeth for universal use in wood | 092533 |
| 1 Allen key 5 mm | 093278 |
| 1 Mains cable 4 m (13.1 ft) | 087594 |



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. | Image | Description | Ref. No. |
|-------|--|----------|-------|---|----------|
| | Cross fence 1250 mm (2 pieces required) | 203353 | | TCT saw blade 160 x 1.2/1.8 x 20 mm (6 5/16 in.), TZ, 48 teeth for melamine resin panels (Trespa) | 092569 |
| | Guide rail extension 1600 for cutting length of 1600 mm | 203752 | | DIA saw blade-set 160 x 2.4/3.0 x 20 mm (6 5/16 in.), 4 teeth, for cement-bonded materials, including riving knife | 203640 |
| | Guide rail extension 2600 for cutting length of 2600 mm | 203751 | | Saw blade Dia 160 x 2.4/3.0 x 20 mm (6 5/16 in.), 4 flat/trapezoidal teeth for cement-bonded materials | 092474 |
| | TCT saw blade 160 x 1.2/1.8 x 20 mm (6 5/16 in.), AT, 16 teeth for fine cuts in wood | 092539 | | | |
| | TCT saw blade 160 x 1.2/1.8 x 20 mm (6 5/16 in.), AT, 24 teeth for universal use in wood | 092533 | | | |
| | TCT saw blade 160 x 1.2/1.8 x 20 mm (6 5/16 in.), AT, 32 teeth for rip cuts in wood | 092552 | | | |
| | TCT saw blade 160 x 1.2/1.8 x 20 mm (6 5/16 in.), FT/TT, 56 teeth for fine cuts in wood | 092553 | | | |

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

MT 55 cc

0 – 57 mm
0 – 40.5 mm
–1 – 48°
3600 – 6250 1/min
1400 W
4.5 kg
230 V / 50 Hz

Delivery specification

| | |
|---|---------------|
| Plunge-Cut Saw MT 55 cc MaxiMAX in the T-MAX | 917603 |
| Plunge-Cut Saw MT 55 cc MaxiMAX in the T-MAX with guide rail F 160 | 917614 |
| Plunge-Cut Saw MT 55 cc MidiMAX in the T-MAX | 917602 |
| Plunge-Cut Saw MT 55 cc MidiMAX in the T-MAX with guide rail F 160 | 917613 |

Delivery scope includes

| | |
|--|---------------|
| 1 TCT sawblade | 092584 |
| 162 x 1.2/1.8 x 20 mm (6 3/8 in.), 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 (13.1 ft) | 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.



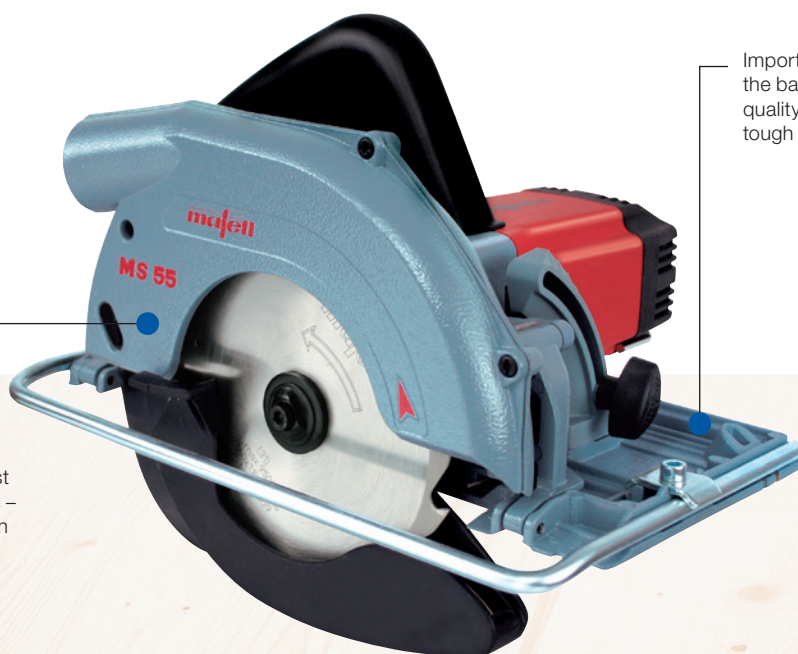
The MT 55 cc comes into its own, for example, when executing high-precision plunge cuts in kitchen worktops.

Accessories / Tools

| Image | Description | Ref. No. |
|-------|---|----------|
| | Guide rail F 80 0.8 m (2.6 ft) long | 204380 |
| | Guide rail F 110 1.1 m (3.6 ft) long | 204381 |
| | Guide rail F 160 1.6 m (5.2 ft) long | 204365 |
| | Guide rail F 210 2.1 m (6.9 ft) long | 204382 |
| | Guide rail F 310 3.1 m (10.2 ft) long | 204383 |
| | Connecting piece F-VS for joining two guide rails | 204363 |
| | Angle fence F-WA | 205357 |
| | Aerofix F-AF 1 suction clamping system with 1.3 m (4 ft 3 in) rail, adapters for above and underneath rail, flexible hose | 204770 |
| | Flexible hose FXS 1000MM up to 3.2 m (10.6 ft) long | 205276 |
| | 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 100MM + 1 guide pocket | 204805 |
| | Guide pocket set: F 80 + F 160 + F-WA + F-VS + 2 x F-SZ 100MM + guide pocket | 204749 |
| | End cap F-EK 2 pieces | 205400 |
| | Non-slip profile F-HP 6.8M 6.8 m (22.3 ft.) long | 204376 |
| | Splinter guard F-SS 3.4M 3.4 m (11.2 ft.) long | 204375 |
| | Screw clamp F-SZ 100MM for fixing guide rail to workpiece, 2 pieces | 205399 |

| Image | Description | Ref. No. |
|-------|---|----------|
| | Position indicator MT-PA | 205398 |
| | Guide fence F-RS | 202867 |
| | Parallel guide fence with wind screws | 203214 |
| | TCT sawblade 162 x 1.2/1.8 x 20 mm (6 3/8 in.), AT, 48 teeth, for universal use with board materials | 092584 |
| | TCT sawblade 160 x 1.2/1.8 x 20 mm (6 5/16 in.), AT, 24 teeth for universal use in wood | 092533 |
| | TCT sawblade 160 x 1.2/1.8 x 20 mm (6 5/16 in.), AT, 16 teeth, for rip cuts in wood | 092539 |
| | TCT sawblade 160 x 1.2/1.8 x 20 mm (6 5/16 in.), AT, 32 teeth, for fine cuts in wood | 092552 |
| | TCT sawblade 160 x 1.8/2.0 x 20 mm (6 5/16 in.), FT/TZ, 56 teeth, for fine cuts in wood | 092553 |
| | TCT saw blade 160 x 1.2/1.8 x 20 mm (6 5/16 in.), FZ/TZ, 48 teeth, for melamine resin panels (Trespa) | 092569 |
| | Saw blade Dia 160 x 2.4/3.0 x 20 mm (6 5/16 in.), 4 flat/trapezoidal teeth for cement-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 3.7 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
Cutting depth at 45°
Tilt range
Nominal no-load speed
Nominal input
Weight
Universal motor

MS 55

10 – 55 mm
12 – 42 mm
0 – 45°
4400 1/min
1100 W
3.3 kg
230 V / 50 Hz

Delivery specification

Portable Circular Saw MS 55

915701

Delivery scope includes

| | |
|--|---------------|
| 1 TCT saw blade | 092539 |
| 160 x 1.2/1.8 x 20 mm (6 5/16 in.), AT, 16 teeth for rip cuts in wood | |
| 1 Allen key 5 mm | 093034 |
| 1 Guide bow | 203208 |
| 1 Mains cable 4 m (13.1 ft) | 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 (2.6 ft) long | 204380 |
| | Guide rail F 110 1.1 m (3.6 ft) long | 204381 |
| | Guide rail F 160 1.6 m (5.2 ft) long | 204365 |
| | Guide rail F 210 2.1 m (6.9 ft) long | 204382 |
| | Guide rail F 310 3.1 m (10.2 ft) long | 204383 |
| | Connecting piece F-VS for joining two guide rails | 204363 |
| | Angle fence F-WA | 205357 |
| | Aerofix F-AF 1 suction clamping system with 1.3 m (4 ft 3 in) rail, adapters for above and underneath rail, flexible hose | 204770 |
| | Flexible hose FXS 1000MM up to 3.2 m (10.6 ft) long | 205276 |
| | 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 100MM + 1 guide pocket | 204805 |
| | Guide pocket set: F 80 + F 160 + F-WA + F-VS + 2 x F-SZ 100MM + guide pocket | 204749 |
| | End cap F-EK 2 pieces | 205400 |
| | Non-slip profile F-HP 6,8M 6.8 m (22.3 ft.) long | 204376 |
| | Splinter guard F-SS 3,4M 3.4 m (11.2 ft.) long | 204375 |
| | Screw clamp F-SZ 100MM for fixing guide rail to workpiece, 2 pieces | 205399 |

| 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 (6 5/16 in.), AT, 16 teeth, for rip cuts in wood | 092539 |
| | TCT saw blade 160 x 1.2/1.8 x 20 mm (6 5/16 in.), AT, 24 teeth, for universal use in wood | 092533 |
| | TCT saw blade 160 x 1.2/1.8 x 20 mm (6 5/16 in.), AT, 32 teeth, for fine cuts in wood | 092552 |

Cordless Portable Circular Saw

MS 55 / 36 V



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

Product features

- **Portable 36 V Li-Ion technology**
- **Extremely rugged, but very light**
- **Substantial power reserves**

Application area

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

Product description

The MAFELL MS 55 / 36 V cordless portable circular saw with 36 V and 2.6 Ah technology offers all the functionality of the familiar MAFELL mains model and the accustomed high MAFELL quality – not only as regards strength and performance, but also in respect of precision.

In locations where maximum power is needed, but no sockets are available, the MS 55 / 36 V is in its element, offering up to 60% greater cutting performance for interior work.

Familiar attributes that offer key benefits for cordless applications as well:

- Smooth and simple cutting depth adjustment with a clearly marked scale
- Auxiliary rest with parallel fence available as a special accessory

Technical data

| | |
|-----------------------|---------------------|
| Cutting depth | 10 – 55 mm |
| Cutting depth at 45° | 12 – 42 mm |
| Tilt range | 0 – 45° |
| Nominal no-load speed | 3800 1/min |
| Nominal voltage | 36 V |
| Weight | 4,3 kg |
| Battery | 36 V, 94 Wh, Li-Ion |

MS 55 / 36 V

Delivery specification

| | |
|---|---------------|
| Cordless Portable Circular Saw MS 55 / 36 V in the T-MAX | 918301 |
|---|---------------|

Delivery scope includes

| | |
|--|---------------|
| 1 TcT saw blade | 092565 |
| 160 x 1.1/1.6 x 20 mm (6 5/16 in.), FT/CFT, 16 teeth, for universal use in wood, Battery ideal | |
| 2 Battery PowerTank 36 B 94 | 094412 |
| 36 V, 94 Wh, Li-Ion | |
| 1 Power station APS 36 | 094408 |
| 1 Guide bow | 203208 |

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The T-MAX carrying case ensures tidiness and mobility.



Disengaging the power pack from the working position automatically activates the spindle stop.



For executing precise cuts, the MS 55 / 36 V can be used in conjunction with the guide rail system F.



High power reserves make the MS 55 / 36 V an ideal tool for working in environments without access to a mains supply.

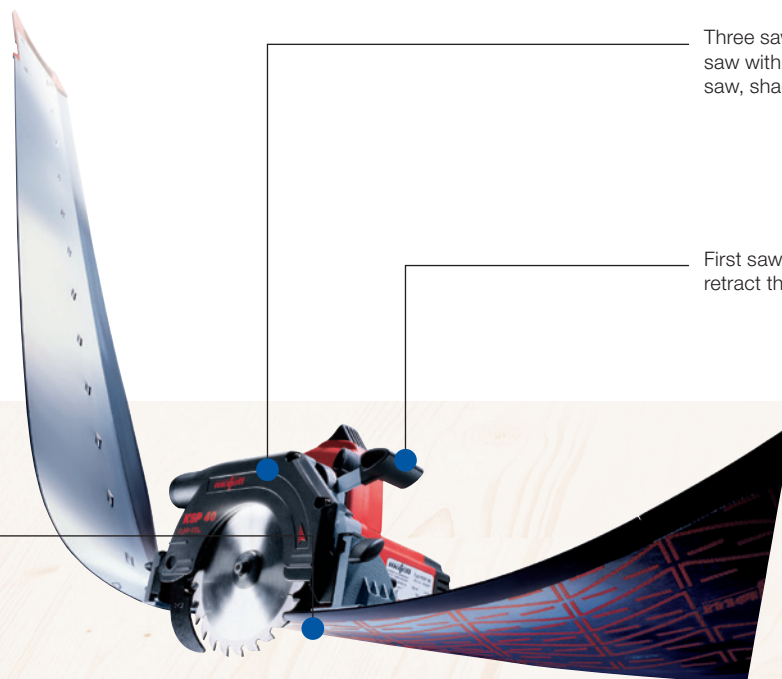
Accessories / Tools

| Image | Description | Ref. No. | Image | Description | Ref. No. |
|-------|--|----------|-------|--|----------|
| | Guide rail F 80 0.8 m (2.6 ft) long | 204380 | | Parallel guide fence with wing screws | 203214 |
| | Guide rail F 110 1.1 m (3.6 ft) long | 204381 | | | |
| | Guide rail F 160 1.6 m (5.2 ft) long | 204365 | | Mushroom-shaped handle as additional machine guide, with fixing screw | 201451 |
| | Guide rail F 210 2.1 m (6.9 ft) long | 204382 | | | |
| | Guide rail F 310 3.1 m (10.2 ft) long | 204383 | | TCT saw blade 160 x 1.1/1.6 x 20 mm (6 5 / 16 in.), FT/CFT, 16 teeth, Battery ideal, for universal use in wood | 092565 |
| | Connecting piece F-VS for joining two guide rails | 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 100MM + 1 guide pocket | 204805 | | | |
| | Guide pocket set: F 80 + F 160 + F-WA + F-VS + 2 x F-SZ 100MM + guide pocket | 204749 | | | |
| | End cap F-EK 2 pieces | 205400 | | | |
| | Non-slip profile F-HP 6.8M 6.8 m (22.3 ft.) long | 204376 | | | |
| | Splinter guard F-SS 3.4M 3.4 m (11.2 ft.) long | 204375 | | | |
| | Screw clamp F-SZ 100MM for fixing guide rail to workpiece, 2 pieces | 205399 | | | |
| | Battery PowerTank 36 B 94 36 V, 94 Wh, Li-Ion | 094412 | | | |

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 the MAFELL-MAX | 915801 |
|---|---------------|

Delivery scope includes

| | |
|---|---------------|
| 1 Flexi-Guide FX 140 | 204372 |
| 1.4 m (4.6 ft) with splinter guard | |
| 1 TCT saw blade | 092558 |
| 120 x 1.2/1.8 x 20 mm (4 3/4 in.), 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 (13.1 ft) | 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 (4.6 ft) 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 (4 3/4 in.), AT, 24 teeth, for universal use in wood | 092558 |
|  | TCT saw blade 120 x 1.2/1.8 x 20 mm (4 3/4 in.), TZ, 40 teeth, for fine cuts in wood | 092559 |
|  | TCT saw blade 120 x 1.2/1.8 x 20 mm (4 3/4 in.), AT, 12 teeth, for rip cuts in wood | 092560 |

Portable Circular Saw

KSP 55 F

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.



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

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

Parallel guide fence with dual function – on both machine sides as parallel guide fence and as additional bench support, e.g. for bevel cuts.

Product features

- **Plunge Cut System with FLIPPKEIL**
- **Rail for guided sawing**
- **Long service life**
- **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

At MAFELL you can find the plunge cut saw that plunges safely, because the riving knife is where it should be during plunge cutting: at the saw.

A 1100 W (1.5 hp) “MAFELL-made” motor is the heart of this portable circular saw.

The aim here was to design a robust, easy-to-handle machine for the joiner and carpenter suitable for everyday use.

The highlight: novel twin-located height adjustment, with which the machine can also be used as a plunge cut saw - the riving knife disappears into the protective cover when plunge cutting.

As with all MAFELL portable circular saws, the MAFELL guide rail system can be used with this model as well. The package price is so generous, that sawing without a rail is likely to be the exception, rather than the rule.

Technical data

| | |
|-----------------------|---------------|
| Cutting depth | 0 – 55 mm |
| Cutting depth at 45° | 0 – 42 mm |
| Tilt range | 0 – 45° |
| Nominal no-load speed | 4400 1/min |
| Nominal input | 1100 W |
| Weight | 3.8 kg |
| Universal motor | 230 V / 50 Hz |

KSP 55 F

Delivery specification

| | |
|--|---------------|
| Portable Circular Saw KSP 55 F | 915001 |
| Portable Circular Saw KSP 55 F in the T-MAX | 915002 |
| Portable Circular Saw KSP 55 F with guide rail F 160 | 915012 |
| Portable Circular Saw KSP 55 F in the T-MAX with guide rail F 160 | 915013 |

Delivery scope includes

| | |
|--|---------------|
| 1 TCT saw blade 160 x 1.2/1.8 x 20 mm (6 5/16 in.), AT, 24 teeth, for universal use in wood | 092533 |
| 1 Parallel guide fence | 201436 |
| 1 Hose connector | 200042 |
| 1 Allen key 5 mm | 093034 |
| 1 Mains cable 4 m (13.1 ft) | 087323 |

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Safe, clean plunge cuts with the KSP.



When exiting the material, the FLIPPKEIL returns to where it belongs.



Bevel cuts up to 45 ° on the guide rail: no problem for the KSP 55 F!



The guide rail can be tightly fixed to the workpiece with the screw clamp.

Accessories / Tools

| Image | Description | Ref. No. | Image | Description | Ref. No. |
|-------|---|----------|-------|---|----------|
| | Guide rail F 80 0.8 m (2.6 ft) long | 204380 | | Mushroom-shaped handle as additional machine guide, with fixing screw | 201451 |
| | Guide rail F 110 1.1 m (3.6 ft) long | 204381 | | | |
| | Guide rail F 160 1.6 m (5.2 ft) long | 204365 | | TCT saw blade 160 x 1.2/1.8 x 20 mm (6 5/16 in.), AT, 24 teeth, for universal use in wood | 092533 |
| | Guide rail F 210 2.1 m (6.9 ft) long | 204382 | | | |
| | Guide rail F 310 3.1 m (10.2 ft) long | 204383 | | TCT saw blade 160 x 1.2/1.8 x 20 mm (6 5/16 in.), AT, 16 teeth, for rip cuts in wood | 092539 |
| | 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 (6 5/16 in.), AT, 32 teeth, for fine cuts in wood | 092552 |
| | Aerofix F-AF 1 suction clamping system with 1.3 m (4 ft 3 in) rail, adapters for above and underneath rail, flexible hose | 204770 | | | |
| | Flexible hose FXS 1000MM up to 3.2 m (10.6 ft) long | 205276 | | | |
| | 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 100MM + 1 guide pocket | 204805 | | | |
| | Guide pocket set: F 80 + F 160 + F-WA + F-VS + 2 x F-SZ 100MM + guide pocket | 204749 | | | |
| | End cap F-EK 2 pieces | 205400 | | | |
| | Non-slip profile F-HP 6.8M 6.8 m (22.3 ft.) long | 204376 | | | |
| | Splinter guard F-SS 3.4M 3.4 m (11.2 ft.) long | 204375 | | | |
| | Screw clamp F-SZ 100MM for fixing guide rail to workpiece, 2 pieces | 205399 | | | |

Cordless Portable Circular Saw

KSP 55 / 36 V



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

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

Product features

- **Portable 36 V Li-ion technology**
- **Rail for guided sawing**
- **Precise plunge cutting with FLIPPKEIL**

Application area

- Bevel cuts up to 45°
- Cross-cutting and rip cuts
- Plunge cuts
- General building/roof construction works
- Cutting performance up to 60 m (196.10 ft), depending on work material and thickness
- Compatible materials include board materials, doors, worktops and internal finishing and renovation materials

Product description

The MAFELL cordless portable circular saw KSP 55 / 36 V with 36 V and 2,6 Ah technology is the first cordless portable circular saw with plunging function with the FLIPPKEIL. It gives you all the functionality of the familiar MAFELL mains model and the accustomed high MAFELL quality – not only as regards strength and performance, but also in respect of precision.

The KSP 55 / 36 V is capable of unrestricted use with the MAFELL guide rail system.

The saw can therefore be used equally well both outdoors, e.g. on the roof, and in the workshop.

Technical data

| | |
|-----------------------|---------------------|
| Cutting depth | 0 – 55 mm |
| Cutting depth at 45° | 2 – 42 mm |
| Tilt range | 0 – 45° |
| Nominal no-load speed | 3800 1/min |
| Nominal input | 36 V |
| Weight | 4.7 kg |
| Battery | 36 V, 94 Wh, Li-Ion |

KSP 55 / 36 V

Delivery specification

| | |
|---------------------------------------|---------------|
| Cordless Portable Circular Saw | 918101 |
| KSP 55/36 V in the MAFELL-MAX | |

Delivery scope includes

| | |
|---|---------------|
| 1 TCT saw blade | 092565 |
| 160 x 1.1/1.6 x 20 mm (6 5/16 in.), FT/CFT, 16 teeth for universal use in wood | |
| 2 Battery PowerTank 36 B 94 | 094412 |
| 36 V, 94 Wh, Li-Ion | |
| 1 Power station APS 36 | 094408 |
| 1 Hose connector | 200042 |
| 1 Allen key 5 mm | 093034 |
| 1 Parallel guide fence | 201436 |

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The KSP 55 / 36 V offers all functions of mains-operated variants as e.g. plunging function and use with guide rail system.



To enhance precision, the KSP 55 / 36 V can be used together with a guide rail.



Disengaging the power pack from the working position automatically activates the spindle stop.

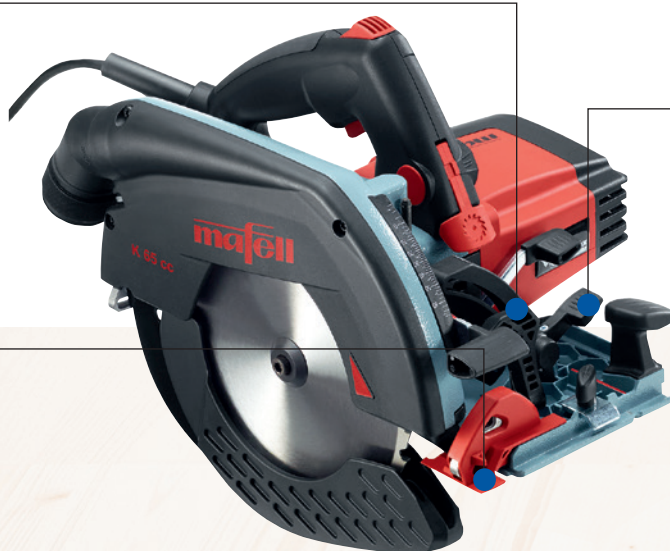


High power reserves make the KSP 55 / 36 V an ideal tool for working in environments without access to a mains supply.

Accessories / Tools

| Image | Description | Ref. No. | Image | Description | Ref. No. |
|-------|--|----------|-------|---|----------|
| | Guide rail F 80 0.8 m (2.6 ft) long | 204380 | | Mushroom-shaped handle as additional machine guide, with fixing screw | 201451 |
| | Guide rail F 110 1.1 m (3.6 ft) long | 204381 | | | |
| | Guide rail F 160 1.6 m (5.2 ft) long | 204365 | | TCT saw blade 160 x 1.1/1.6 x 20 mm (6 5/16 in.), FT/CFT, 16 teeth, Battery ideal for universal use in wood | 092565 |
| | Guide rail F 210 2.1 m (6.9 ft) long | 204382 | | | |
| | Guide rail F 310 3.1 m (10.2 ft) long | 204383 | | | |
| | Connecting piece F-VS for joining two guide rails | 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 100MM + 1 guide pocket | 204805 | | | |
| | Guide pocket set: F 80 + F 160 + F-WA + F-VS + 2 x F-SZ 100MM + guide pocket | 204749 | | | |
| | End cap F-EK 2 pieces | 205400 | | | |
| | Non-slip profile F-HP 6.8M 6.8 m (22.3 ft.) long | 204376 | | | |
| | Splinter guard F-SS 3.4M 3.4 m (11.2 ft.) long | 204375 | | | |
| | Screw clamp F-SZ 100MM for fixing guide rail to workpiece, 2 pieces | 205399 | | | |
| | Battery PowerTank 36 B 94 36 V, 94 Wh, Li-Ion | 094412 | | | |

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.

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 |
| Weight | 4,7 kg |
| Universal motor | 230 V / 50 Hz |

K 65 cc

Delivery specification

| | |
|---|---------------|
| Portable Circular Saw K 65 cc | 919001 |
| Portable Circular Saw K 65 cc in the T-MAX | 919002 |

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 (13.1 ft) | 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. | Image | Description | Ref. No. |
|-------|--|----------|-------|---|----------|
| | Guide rail F 80 0.8 m (2.6 ft) long | 204380 | | Roller edge guide MF-UA | 206073 |
| | Guide rail F 110 1.1 m (3.6 ft) long | 204381 | | | |
| | Guide rail F 160 1.6 m (5.2 ft) long | 204365 | | TCT saw blade 185 x 1,4/2,4 x 20 mm, 16 teeth, WZ, for ripping in wood | 092485 |
| | Guide rail F 210 2.1 m (6.9 ft) long | 204382 | | | |
| | Guide rail F 310 3.1 m (10.2 ft) long | 204383 | | TCT saw blade 185 x 1,4/2,4 x 20 mm, 24 teeth, AT, for universal use with wood | 092487 |
| | Connecting piece F-VS for joining two guide rails | 204363 | | | |
| | Angle fence F-WA | 205357 | | TCT saw blade 185 x 1,4/2,4 x 20 mm, 32 teeth, AT, for fine sawing in wood | 092489 |
| | Aerofix F-AF 1 suction clamping system with 1.3 m (4 ft 3 in) rail, adapters for above and underneath rail, flexible hose | 204770 | | | |
| | Flexible hose FXS 1000MM up to 3.2 m (10.6 ft) long | 205276 | | TCT saw blade 185 x 1,4/2,4 x 20 mm, 56 teeth, AT, for cross-cutting wood | 092491 |
| | 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 100MM + 1 guide pocket | 204805 | | | |
| | Guide pocket set: F 80 + F 160 + F-WA + F-VS + 2 x F-SZ 100MM + guide pocket | 204749 | | | |
| | End cap F-EK 2 pieces | 205400 | | | |
| | Non-slip profile F-HP 6,8M 6.8 m (22.3 ft.) long | 204376 | | | |
| | Splinter guard F-SS 3,4M 3.4 m (11.2 ft.) long | 204375 | | | |
| | Screw clamp F-SZ 100MM for fixing guide rail to workpiece, 2 pieces | 205399 | | | |

Portable Circular Saws

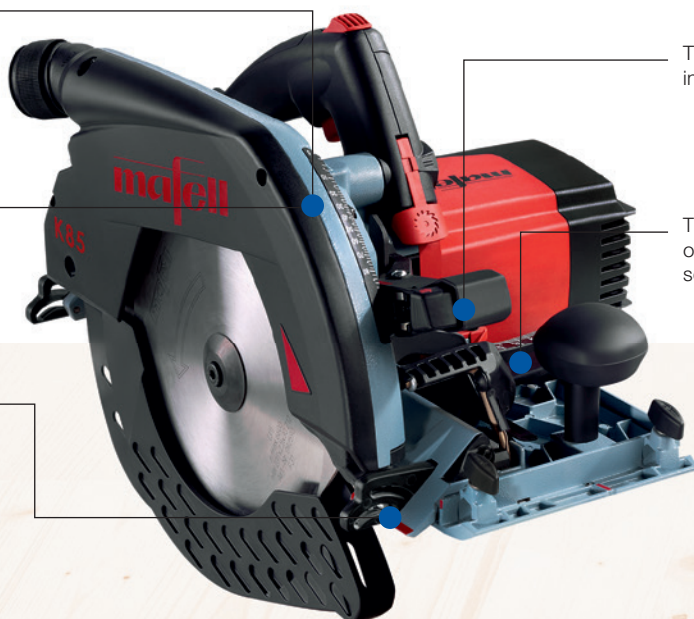
K 85 / K 85 Ec

The K 85 / K 85 Ec offers an enhanced cutting depth of up to 88 mm (3 7/16 in.). Even when used in conjunction with the guide rail, it achieves an exceptional depth of 82 mm (3 3/16 in.).

Optimum chip ejection, especially when sawing insulating materials.

Sawing to mark. The pointer adjusts automatically to the set tilt angle.

Shown here: K 85



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

Thanks to the new tilting arrangement of the K 85 / K 85 Ec, reading the scale is easier than ever before.

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/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 new MAFELL portable circular saw combines power and precision with ease of use and ergonomic design. These properties transform the machine into a unique system.

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

| | K 85 | K 85 Ec |
|-----------------------|-------------|-------------------|
| Cutting depth | 0 – 88 mm | 0 – 88 mm |
| Cutting depth at 45° | 0 – 61.5 mm | 0 – 61.5 mm |
| Cutting depth at 60° | 2 – 44.5 mm | 2 – 44.5 mm |
| Tilt range | 0 – 60° | 0 – 60° |
| Nominal no-load speed | 4400 1/min | 2250 – 4400 1/min |
| Nominal input | 2300 W | 2300 W |
| Weight | 6.7 kg | 6.7 kg |
| Universal motor | 230 V/50 Hz | 230 V/50 Hz |

Delivery specification

| | |
|--|--------|
| Portable Circular Saw K 85 | 918201 |
| Portable Circular Saw K 85 Ec in the L-MAX | 918202 |

Delivery scope includes

| | |
|--|--------|
| 1 TCT saw blade | 092590 |
| 237 x 1.8/2.5 x 30 mm.(9 5/16 in.), AT, 12 teeth, for rip cuts in wood | |
| 1 Parallel guide fence (K 85 Ec) | 205323 |
| 1 Hose connector | 205290 |
| 1 Allen key 5 mm | 093034 |
| 1 Mains cable 4 m (13.1 ft) | 087888 |

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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.



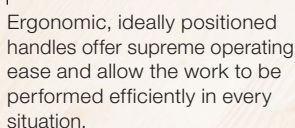
The sawblade and pivoting guard can be locked with a single action. This practical solution engages the starting lockout at the same time.

Accessories / Tools

| Image | Description | Ref. No. |
|-------|---|----------|
| | Guide rail F 80 0.8 m (2.6 ft) long | 204380 |
| | Guide rail F 110 1.1 m (3.6 ft) long | 204381 |
| | Guide rail F 160 1.6 m (5.2 ft) long | 204365 |
| | Guide rail F 210 2.1 m (6.9 ft) long | 204382 |
| | Guide rail F 310 3.1 m (10.2 ft) long | 204383 |
| | Connecting piece F-VS for joining two guide rails | 204363 |
| | Angle fence F-WA | 205357 |
| | Aerofix F-AF 1 suction clamping system with 1.3 m (4 ft 3 in) rail, adapters for above and underneath rail, flexible hose | 204770 |
| | Flexible hose FXS 1000MM up to 3.2 m (10.6 ft) long | 205276 |
| | 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 100MM + 1 guide pocket | 204805 |
| | Guide pocket set: F 80 + F 160 + F-WA + F-VS + 2 x F-SZ 100MM + guide pocket | 204749 |
| | End cap F-EK 2 pieces | 205400 |
| | Non-slip profile F-HP 6,8M 6.8 m (22.3 ft.) long | 204376 |
| | Splinter guard F-SS 3,4M 3.4 m (11.2 ft.) long | 204375 |
| | Screw clamp F-SZ 100MM for fixing guide rail to workpiece, 2 pieces | 205399 |

| Image | Description | Ref. No. |
|-------|--|----------|
| | Parallel guide fence K 85-PA | 205323 |
| | Roller edge guide K 85-UA | 205166 |
| | L-MAX | 095170 |
| | TCT saw blade 237 x 1.8/2.5 x 30 mm (9 5/16 in.), AT, 12 teeth, for rip cuts in wood | 092590 |
| | TCT saw blade 237 x 1.8/2.5 x 30 mm (9 5/16 in.), AT, 24 teeth, for rip cuts and cross-cutting | 092591 |
| | TCT saw blade 237 x 1.8/2.5 x 30 mm (9 5/16 in.), AT, 56 teeth, for cross-cutting in wood | 092592 |

MKS 130 Ec



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.

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

- 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

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.

Cutting depth
Cutting depth at 45°
Cutting depth at 60°
Tilt range
Nominal no-load speed
Nominal input
Weight
Universal motor

50 – 130 mm
37 – 94 mm
25 – 65 mm
0 – 60°
1000 – 2000 1/min
2500 W
12 kg
230 V/50 Hz

Portable Circular Carpentry Saw MKS 130 Ec

925401

- 1 TCT saw blade**
330 x 2.2/3.2 x 30 mm (13 in.), AT, 24 teeth,
for universal use in wood
- 1 Parallel guide fence**
- 1 Allen key 6 mm**
- 1 Mains cable 10 m (32.8 ft)**

092571

203853

093081

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. |
|-------|--|---------------|
| | Guide rail F 80 0.8 m (2.6 ft) long | 204380 |
| | Guide rail F 110 1.1 m (3.6 ft) long | 204381 |
| | Guide rail F 160 1.6 m (5.2 ft) long | 204365 |
| | Guide rail F 210 2.1 m (6.9 ft) long | 204382 |
| | Guide rail F 310 3.1 m (10.2 ft) long | 204383 |
| | Connecting piece F-VS for joining two guide rails | 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 100MM + 1 guide pocket | 204805 |
| | Guide pocket set: F 80 + F 160 + F-WA + F-VS + 2 x F-SZ 100MM + guide pocket | 204749 |
| | End cap F-EK 2 pieces | 205400 |
| | Non-slip profile F-HP 6,8M 6.8 m (22.3 ft.) long | 204376 |
| | Splinter guard F-SS 3,4M 3.4 m (11.2 ft.) long | 204375 |

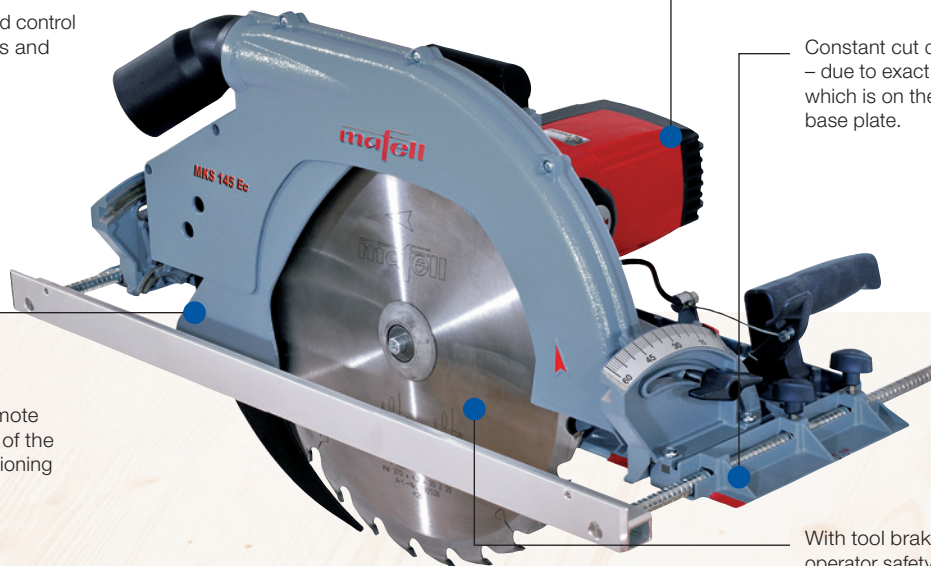
| Image | Description | Ref. No. |
|-------|--|---------------|
| | Guide rail length 3 m (9.8 ft), (2 pieces with connecting piece) | 037037 |
| | Guide rail length 3 m (9.8 ft) (one piece) | 200672 |
| | Guide rail extension 2600 length 1.5 m (4.9 ft) | 036553 |
| | Adapters (pair) for parallel guide fence | 037195 |
| | TCT saw blade 330 x 2.2/3.2 x 30 mm (13 in.), AT, 24 teeth, for universal use in wood | 092571 |
| | TCT saw blade 330 x 2.2/3.6 x 30 mm (17 11/16 in.), TT, 40 teeth, for fine cut in wood | 092572 |
| | TCT saw blade 330 x 2.2/2.6 x 30 mm (17 11/16 in.), FT, 54 teeth, for sandwich boards with metal insert or metal top layers | 092579 |

Portable Circular Carpentry Saw

MKS 145 Ec / MKS 165 Ec

Continuously variable speed control for individual requirements and applications.

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



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

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 |
| Weight | 13.8 kg | 15.3 kg |
| Universal motor | 230 V/50 Hz | 230 V/50 Hz |

Delivery specification

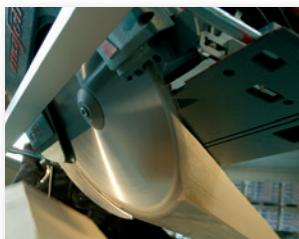
| | |
|--|--------|
| Portable Circular Carpentry Saw MKS 145 Ec | 924701 |
| Portable Circular Carpentry Saw MKS 165 Ec | 924501 |

Delivery scope includes

| | |
|---|--------|
| 1 TCT saw blade 370 x 2.2/4.2 x 30 mm (14 9/16 in.), 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 (16 1/8 in.), 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 (32.8 ft) | 087612 |

PG B
Price list page 8





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 (2.6 ft) long | 204380 |
| | Guide rail F 110 1.1 m (3.6 ft) long | 204381 |
| | Guide rail F 160 1.6 m (5.2 ft) long | 204365 |
| | Guide rail F 210 2.1 m (6.9 ft) long | 204382 |
| | Guide rail F 310 2.1 m (6.9 ft) long | 204383 |
| | Guide rail F 310 3.1 m (10.2 ft) long | 204383 |
| | Connecting piece F-VS for joining two guide rails | 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 100MM + 1 guide pocket | 204805 |
| | Guide pocket set: F 80 + F 160 + F-WA + F-VS + 2 x F-SZ 100MM + guide pocket | 204749 |
| | End cap F-EK 2 pieces | 205400 |
| | Non-slip profile F-HP 6.8M 6.8 m (22.3 ft.) long | 204376 |
| | Splinter guard F-SS 3.4M 3.4 m (11.2 ft.) long | 204375 |

| Image | Description | Ref. No. |
|-------|--|---------------|
| | Guide rail length 3 m (9.8 ft), (2 pieces with connecting piece) | 037037 |
| | Guide rail length 3 m (9.8 ft) (one piece) | 200672 |
| | Guide rail extension 2600 length 1,5 m (4.9 ft) | 036553 |
| | Adapters (pair) for parallel guide fence | 037195 |
| | TCT saw blade 370 x 2.2/4.2 x 30 mm (14 9/16 in.), AT, 26 teeth, for universal use in wood (MKS 145 Ec) | 092526 |
| | TCT saw blade 370 x 2.2/4.2 x 30 mm (14 9/16 in.), AT, 18 teeth, for rip cut in wood (MKS 145 Ec) | 092524 |
| | TCT saw blade 410 x 2.5/4.2 x 30 mm (16 1/8 in.), AT, 28 teeth, for universal use in wood (MKS 165 Ec) | 092525 |
| | TCT saw blade 410 x 2.5/4.2 x 30 mm (16 1/8 in.), AT, 20 teeth, for rip cuts in wood (MKS 165 Ec) | 092522 |

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.



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 (7 5/16 in.) 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 |
| Weight | 16.1 kg |
| Universal motor | 230 V/50 Hz |

MKS 185 Ec

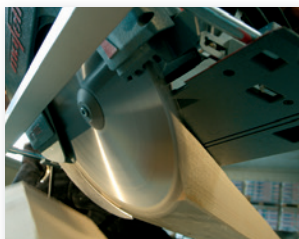
Delivery specification

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

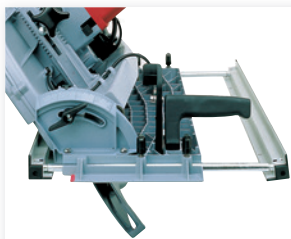
Delivery scope includes

| | |
|---|--------|
| 1 TCT saw blade | 092536 |
| 450 x 2.5/4.2 x 30 mm (17 11/16 in.), AT, 20 teeth, for universal use in wood | |
| 1 Allen key 6 mm | 093081 |
| 1 Parallel guide fence | |
| 1 Mains cable 10 m (32.8 ft) | 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 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 (2.6 ft) long | 204380 |
| | Guide rail F 110 1.1 m (3.6 ft) long | 204381 |
| | Guide rail F 160 1.6 m (5.2 ft) long | 204365 |
| | Guide rail F 210 2.1 m (6.9 ft) long | 204382 |
| | Guide rail F 310 3.1 m (10.2 ft) long | 204383 |
| | Connecting piece F-VS for joining two guide rails | 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 100MM + 1 guide pocket | 204805 |
| | Guide pocket set: F 80 + F 160 + F-WA + F-VS + 2 x F-SZ 100MM + guide pocket | 204749 |
| | End cap F-EK 2 pieces | 205400 |
| | Non-slip profile F-HP 6,8M 6.8 m (22.3 ft.) long | 204376 |
| | Splinter guard F-SS 3,4M 3.4 m (11.2 ft.) long | 204375 |

| Image | Description | Ref. No. |
|-------|---|---------------|
| | Guide rail length 3 m (9.8 ft), (2 pieces with connecting piece) | 037037 |
| | Guide rail length 3 m (9.8 ft) (one piece) | 200672 |
| | Guide rail extension 2600 length 1.5 m (4.9 ft) | 036553 |
| | Adapters (pair) for parallel guide fence | 037195 |
| | TCT saw blade 450 x 2.5/3.8 x 30 mm (17 11/16 in.), AT, 12 teeth, for rip cut in wood | 092537 |
| | TCT saw blade 450 x 2.5/4.2 x 30 mm (17 11/16 in.), AT, 20 teeth, for universal use in wood | 092536 |
| | TCT saw blade Sandwich 450 x 2.5/3.4 x 30 mm (17 11/16 in.), TT, 86 teeth, for sandwich boards with metal insert or metal top layers | 092534 |
| | TCT saw blade 450 x 2.5/4.5 x 30 mm (17 11/16 in.), AT, 34 teeth, for fine cuts in wood | 092538 |

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 (32.8 ft) | 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

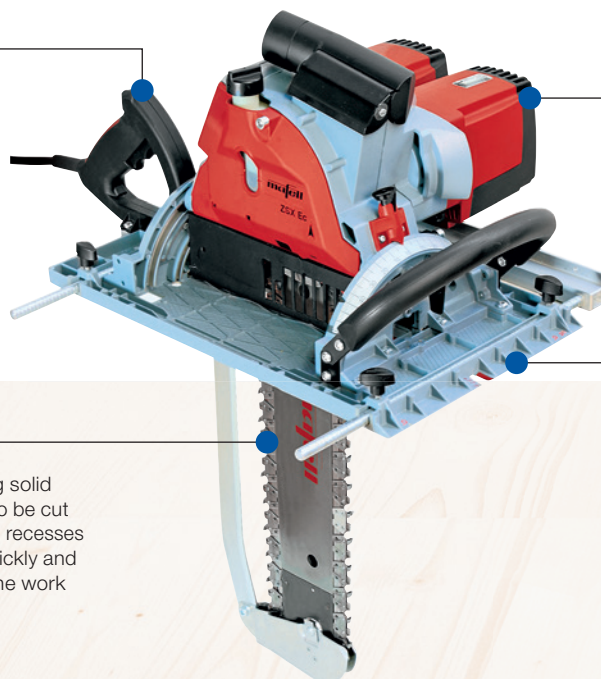
| Image | Description | Ref. No. |
|-------|--|----------|
| | Guide rail F 80 0.8 m (2.6 ft) long | 204380 |
| | Guide rail F 110 1.1 m (3.6 ft) long | 204381 |
| | Guide rail F 160 1.6 m (5.2 ft) long | 204365 |
| | Guide rail F 210 2.1 m (6.9 ft) long | 204382 |
| | Guide rail F 310 3.1 m (10.2 ft) long | 204383 |
| | Connecting piece F-VS for joining two guide rails | 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 100MM + 1 guide pocket | 204805 |
| | Guide pocket set: F 80 + F 160 + F-WA + F-VS + 2 x F-SZ 100MM + guide pocket | 204749 |
| | End cap F-EK 2 pieces | 205400 |
| | Non-slip profile F-HP 6.8M 6.8 m (22.3 ft.) long | 204376 |
| | Splinter guard F-SS 3.4M 3.4 m (11.2 ft.) long | 204375 |
| | Glider For height adjustment when working with a guide rail | 206047 |
| | Guide rail length 3 m (9.8 ft), (2 pieces with connecting piece) | 037037 |
| | Guide rail length 3 m (9.8 ft) (one piece) | 200672 |
| | Guide rail extension 2600 length 1.5 m (4.9 ft) | 036553 |

| Image | Description | Ref. No. |
|-------|---|------------------|
| | 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 right | 091008 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 | 202113 |

Carpenter's Chain Saws

ZSX-TWIN Ec

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



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

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

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

Product features

- Equipped with two CUprex motors
- Tilts in both directions

Application area

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

Product description

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

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

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

Technical data

| | |
|-------------------------|-------------|
| Cutting depth | 400 mm |
| Cutting depth at 15° | 386 mm |
| Cutting depth at 30° | 346 mm |
| Cutting depth at 45° | 282 mm |
| Cutting depth at 60° | 199 mm |
| Tilt in both directions | -15° – +60° |
| Cutting width | 6.8 mm |
| Nominal no-load speed | 3600 1/min |
| Nominal input | 2 x 3000 W |
| Weight | 24,2 kg |
| Universal motor | 230 V/50 Hz |

ZSX-TWIN Ec

Delivery specification

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

Delivery scope includes

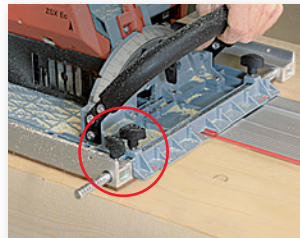
| | |
|--|--------|
| 1 Carbide-tipped ripping chain TWIN HM 400 | 006977 |
| 1 Carbide-tipped fine-cut saw HM 400 | 006972 |
| 1 Trolley ZSX-TWIN Ec | |
| 1 Glider for use with guide rail | 205934 |
| 1 Parallel guide fence | 204591 |
| 1 Combination screw driver 6 mm | 093272 |
| 1 Open-ended spanner 13 mm | 093008 |
| 1 Mains cable 10 m (32.8 ft) | 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.

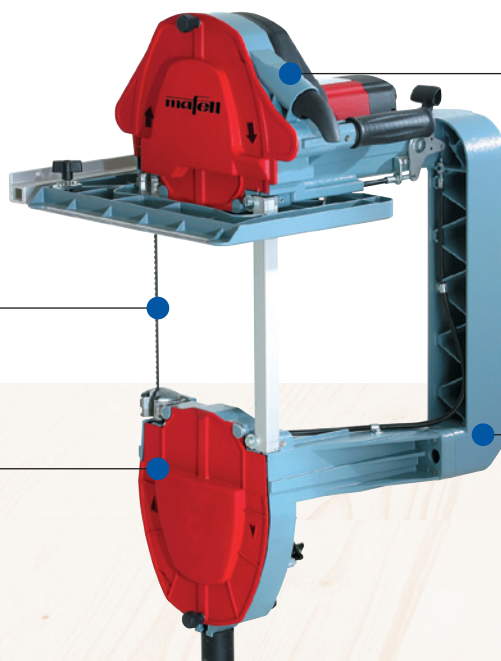
Accessories / Tools

| Image | Description | Ref. No. | Image | Description | Ref. No. |
|-------|--|----------|-------|---|----------|
| | Guide rail F 80 0.8 m (2.6 ft) long | 204380 | | Adapters (pair) for parallel guide fence | 037195 |
| | Guide rail F 110 1.1 m (3.6 ft) long | 204381 | | Carbide-tipped longitudinal-cut chain TWIN HM 400 | 006977 |
| | Guide rail F 160 1.6 m (5.2 ft) long | 204365 | | Carbide-tipped fine cut saw chains HM 400 | 006972 |
| | Guide rail F 210 2.1 m (6.9 ft) long | 204382 | | Carbide-tipped fine cut saw chains HM 260 | 006968 |
| | Guide rail F 310 3.1 m (10.2 ft) long | 204383 | | Replacement chain HM left | 091008 |
| | Connecting piece F-VS for joining two guide rails | 204363 | | Replacement chain HM right | 091009 |
| | Angle fence F-WA | 205357 | | Saw chain 3/8" 400 P for rip cuts and cross-cutting | 006974 |
| | Guide pocket F 160 for guide rails up to 1.6 m | 204626 | | Chain bars 260 HM for 006968 | 204581 |
| | Guide pocket set: 2 x F 160 + F-VS + 2 x F-SZ 100MM + 1 guide pocket | 204805 | | Chain bars 400 HM for 006972, 006977 | 204582 |
| | Guide pocket set: F 80 + F 160 + F-WA + F-VS + 2 x F-SZ 100MM + guide pocket | 204749 | | Chain bars 400 3/8" for 006974 | 204583 |
| | End cap F-EK 2 pieces | 205400 | | Riving knife 260 for 006968 | 204586 |
| | Non-slip profile F-HP 6.8M 6.8 m (22.3 ft) long | 204376 | | Riving knife 400 for 006972, 006974, 006977 | 204587 |
| | Splinter guard F-SS 3.4M 3.4 m (11.2 ft) long | 204375 | | Sprocket HM for 006968, 006972, 006977 | 204584 |
| | Glider For height adjustment when working with a guide rail | 206047 | | Sprocket 3/8" for 006974 | 204585 |
| | Guide rail length 3 m (9.8 ft), (2 pieces with connecting piece) | 037037 | | Universal guide support (compound miter rail) | 202069 |
| | Guide rail length 3 m (9.8 ft) (one piece) | 200672 | | | |
| | Guide rail extension 2600 length 1.5 m (4.9 ft) | 036553 | | | |

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 |
| Neominal input | 2250 W |
| Weight | 13.6 kg |
| Universal motor | 230 V/50 Hz |

Z 5 Ec

Delivery specification

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

Delivery scope includes

| | |
|---|--------|
| 1 Band saw blade | |
| 8 mm (5/16 in.) wide, 4 teeth per inch, with front and rear cutting teeth | |
| 1 Band saw blade | |
| 8 mm (5/16 in.) wide, 4 teeth per inch | |
| 1 Band saw blade | |
| 6 mm (1/4 in.) wide, 4 teeth per inch | |
| 1 Handle for two-man operation | 203824 |
| 1 Parallel guide fence | 039386 |
| 1 Mains cable 10 m (32.8 ft) | 087863 |

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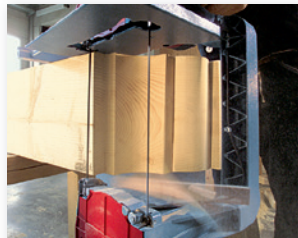




MAFELL benefits: its versatility make the Z 5 Ec ideal machine – especially when renovating old buildings.



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 (9.8 ft), (2 pieces with connecting piece) | 037037 |
| | Guide rail length 3 m (9.8 ft) (one piece) | 200672 |
| | Guide rail extension 2600 length 1.5 m (4.9 ft) | 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 |

ERIKA 60 E

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 21 kg (46.3 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 21 kg (46.3 lbs), the ultra-lightweight is convenient for use on any floor. Whether in the cellar or in the attic – the ERIKA 60 E can be carried quickly and effortlessly from one workplace to another.

Operation of the ERIKA 60 E 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 E.

Technical data

| | |
|------------------------------|--------------|
| Cutting height | 2 – 61 mm |
| Cutting height at 45° | 2 – 42 mm |
| Tilt range | –2 – +47° |
| Cutting length | 217 mm |
| Table top dimensions | 412 x 544 mm |
| Working height without stand | 310 mm |
| Working height with stand | 845 mm |
| Nominal no-load speed | 4720 1/min |
| Nominal input | 1300 W |
| Weight | 21 kg |
| Universal motor | 230 V/50 Hz |

ERIKA 60 E

Delivery specification

| | |
|---------------------------------|---------------|
| Pull-Push Saw ERIKA 60 E | 971501 |
|---------------------------------|---------------|

Delivery scope includes

| | |
|--|---------------|
| 1 TCT saw blade | 092550 |
| 190 x 1.2/2.0 x 30 mm (7 1/2 in.), AT, 36 teeth, for universal use in wood | |
| 1 Universal guide fence | 200941 |
| 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 (13.1 ft) | 097765 |












PG T

Price list page 10





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 (7 1/2 in.), AT, 36 teeth, for universal use | 092550 |
|  | Sliding table | 201320 |  | TCT saw blade 180 x 1.2/1.8 x 30 mm (7 1/16 in.), 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 (7 1/16 in.), AT, 56, teeth, beveled, for laminates | 092527 |
|  | Extension and router table for mounting LO 65 E (2 supporting rails required) | 203131 | | | |
|  | Router adapter kit | 203130 | | | |
|  | Supporting rail 650 mm (25 9/16 in.) long 840 mm (33 1/16 in.) long | 201309 201310 | | | |
|  | Universal guide fence with guide fence extension | 200941 | | | |
|  | Dust bag | 039829 | | | |

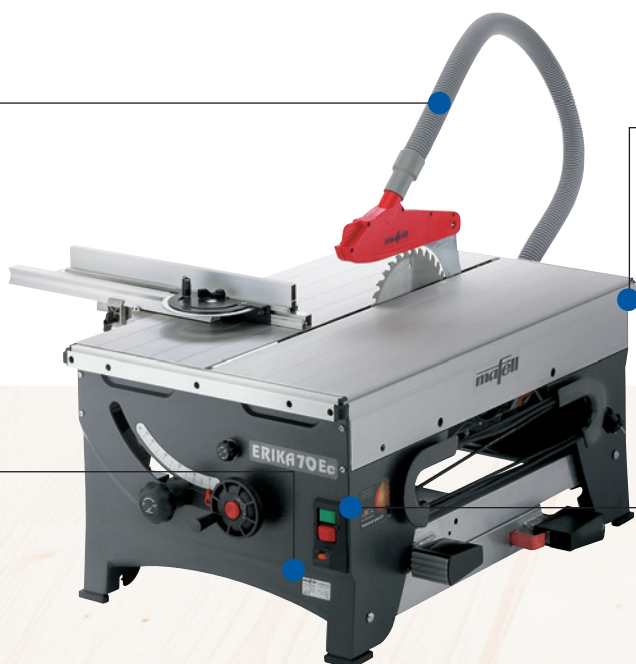
ERIKA 70 Ec

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

The lightest, most stable and most universal machine with the most comprehensive range of optional accessories of 70 mm (2 3/4 in.) pull-push saws on the market: the ERIKA 70 Ec from MAFELL!

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 Ec: Extremely stable table profile, tilt range from -3° to 48° and lowerable riving knife.

Technical data

| | |
|------------------------------|-------------------|
| Cutting height | 0 – 72 mm |
| Cutting height at 45° | 0 – 50 mm |
| Tilt range | -3 – +48° |
| Cutting length | 340 mm |
| Table top dimensions | 525 x 818 mm |
| Working height without stand | 415 mm |
| Working height with stand | 890 mm |
| Nominal no-load speed | 2100 – 4200 1/min |
| Nominal input | 2250 W |
| Weight | 32 kg |
| Universal motor | 230 V / 50 Hz |

ERIKA 70 Ec

Delivery specification

| | |
|---|---------------|
| Pull-Push Saw ERIKA 70 Ec | 971401 |
| Pull-Push Saw ERIKA 70 Ec with extension and router table and 2 supporting rails, 1000 mm | 971413 |
| Pull-Push Saw ERIKA 70 Ec with sliding table and fence guide extension with drop stop and clamping | 971414 |

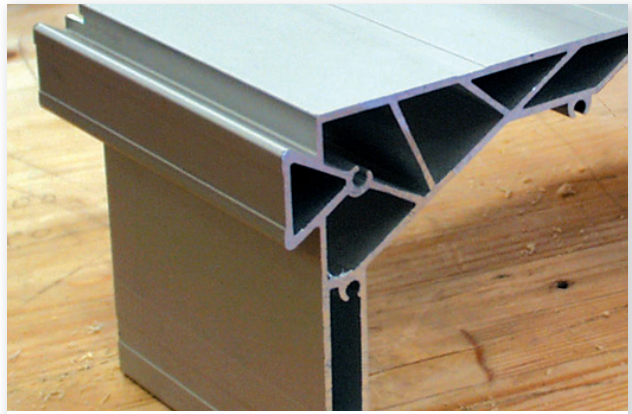
Delivery scope includes

| | |
|---|---------------|
| 1 TCT saw blade 225 x 1.8/2.5 x 30 mm (8 7/8 in.), AT, 32 teeth, for universal use in wood | 092460 |
| 1 Universal guide fence with fence extensions | 201611 |
| 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 (13.1 ft) | 087847 |

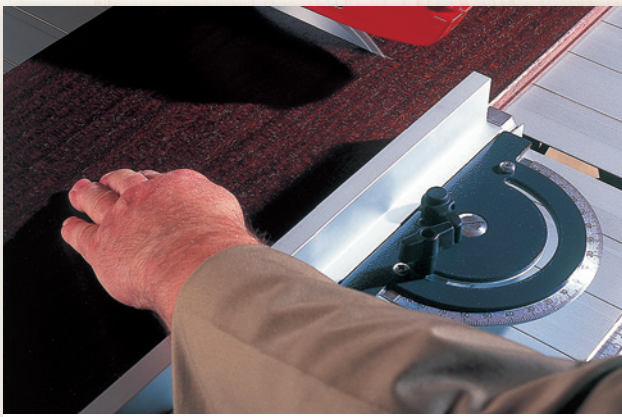




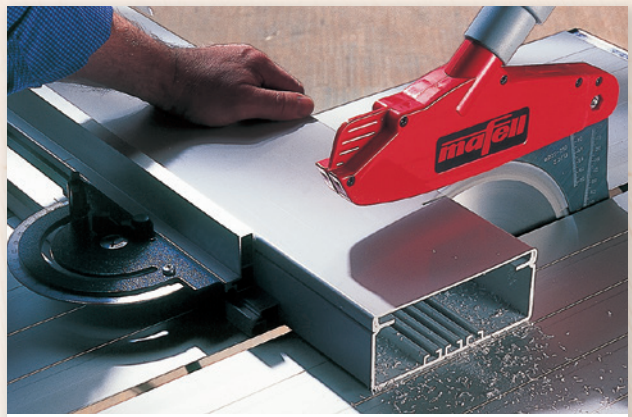
Assembling and disassembling the ERIKA 70 Ec are simple one-man jobs. You can unfold the built-in fold-away support within seconds and without tools.



Thanks to optimum stiffening, the table profile is particularly stable.



Precise and tear-free – this describes the cuts of the new ERIKA 70 Ec Pull-Push Saw.



Do you cut plastic channels, as shown here? No problem with the new ERIKA 70 Ec.



The on-off switch is on the right. You operate the machine only with your right hand. Your left hand remains on the workpiece.



A tap of the foot is all that is required to level the bench on uneven surfaces.

ERIKA 85 Ec

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

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

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

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 Ec cannot handle the required cutting height, there is always its "big sister" – the ERIKA 85 Ec, 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 Ec: Extremely stable table profile, tilt range from -3° to 48° and lowerable riving knife.

Technical data

| | |
|------------------------------|-------------------|
| Cutting height | -1 – 85 mm |
| Cutting height at 45° | -1 – 60 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 | 890 mm |
| Nominal no-load speed | 1900 – 3800 1/min |
| Nominal input | 2500 W |
| Weight | 34.5 kg |
| Universal motor | 230 V / 50 Hz |

ERIKA 85 Ec

Delivery specification

| | |
|---|---------------|
| Pull-Push Saw ERIKA 85 Ec | 971601 |
| Pull-Push Saw ERIKA 85 Ec with extension and router table and 2 supporting rails, 1000 mm | 971613 |
| Pull-Push Saw ERIKA 85 Ec with sliding table and fence guide extension with drop stop and clamping | 971614 |

Delivery scope includes

| | |
|--|---------------|
| 1 TCT saw blade 250 x 1.8/2.8 x 30 mm (9 13/16 in.), AT, 40 teeth, for universal use | 092465 |
| 1 Extension kit with wheels | 202889 |
| 1 Multi-purpose guide fence MFA with angle locking | 203400 |
| 1 Push stick | 034901 |
| 1 Allen key 6 mm | 093081 |
| 1 Extraction set with 2 connectors | 093639 |
| 1 Fold-away support /Quickstand\ | |
| 1 Mains cable 4 m (13.1 ft) | 087847 |





Thanks to the great cutting height and cutting length, the ERIKA 85 Ec ...



... is ideally suited even for cutting solid timber and for carpentry applications.



A tap of the foot is all that is required to level the bench on uneven surfaces.



When transporting the ERIKA 85 Ec, the Quickstand, built-in fold-away support can be stowed away in seconds without tools!

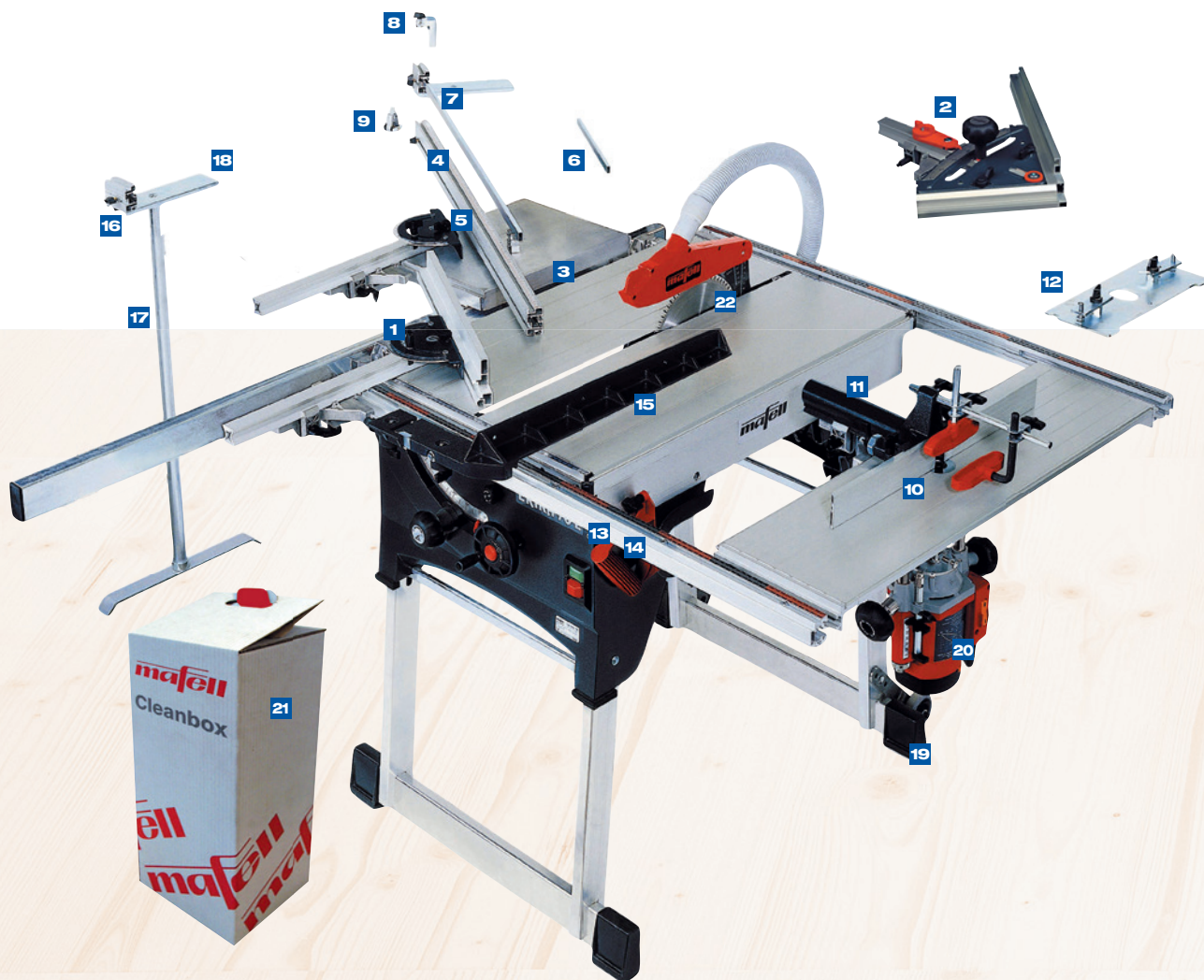


The multi-purpose guide fence allows two miter cuts without changing.





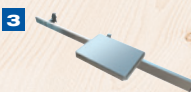







... or adjusting the fence. The result: perfect 90° joints.











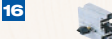







ERIKA 70 Ec / ERIKA 85 Ec



Accessories / Tools

| Image | Description | Ref. No. | Image | Description | Ref. No. |
|--|---|----------|---|---|------------------|
|  | 1 Universal guide fence with fence extension | 201611 |  | 7 Telescopic rod with sheet metal support, 960 mm (37 13/16 in.) | 038309 |
|  | 2 Multi-purpose guide fence MFA with angle locking | 203400 |  | 8 Drop stop | 038306 |
|  | 3 Sliding table maximum cutting length 905 mm (35 5/8 in.) | 038563 |  | 9 Clamping piece | 038294 |
|  | 4 Fence guide extension for universal guide fence 1000 mm | 038392 |  | 10 Extension and router table ERIKA 70 Ec ERIKA 85 Ec (requires 2 support/mounting rails) for mounting Hand Routers LO 65 Ec | 202893 203389 |
|  | 5 Fence guide extension for MFA, 1000 mm (39 3/8 in.) long incl. drop stop | 203396 | | | |
|  | 6 Connecting piece (for connecting two fence guide extensions) | 038393 | | | |

Accessories / Tools

| Image | Description | Ref. No. | Image | Description | Ref. No. |
|---|--|----------|--|--|----------|
|  | Router adapter kit | 202894 |  | TCT saw blade 225 x 1.8/2.5 x 30 mm (8 7/8 in.), AT, 32 teeth, for universal use (ERIKA 70 Ec) | 092460 |
|  | Adapter for molding table, to accommodate other makes | 201180 |  | TCT saw blade 225 x 1.8/2.5 x 30 mm (8 7/8 in.), AT, 48 teeth, for fine cuts (ERIKA 70 Ec) | 092462 |
|  | Supporting rail 800 mm | 038291 |  | TCT saw blade 225 x 1.8/2.5 x 30 mm (8 7/8 in.), FT/TT, 68 teeth, Z 68, FZ/TZ, for plastic and aluminium profiles (ERIKA 70 Ec) | 092464 |
|  | Supporting rail 1000 mm | 038686 |  | TCT saw blade 250 x 1.8/2.8 x 30 mm (9 13/16 in.), AT, 24 teeth, for rip cuts (ERIKA 85 Ec) | 092472 |
|  | Rip fence guide with micro adjustment | 035358 |  | TCT saw blade 250 x 1.8/2.8 x 30 mm (9 13/16 in.), AT, 40 teeth, for universal use (ERIKA 85 Ec) | 092465 |
|  | Adjustable stop | 038675 |  | TCT saw blade 250 x 1.8/2.8 x 30 mm (9 13/16 in.), AT, 60 teeth, for fine cuts (ERIKA 85 Ec) | 092466 |
|  | Supporting leg adjustable | 038401 |  | TCT saw blade 250 x 1.8/2.8 x 30 mm (9 13/16 in.), FT/TT, 68 teeth, for plastic and aluminium profiles (ERIKA 85 Ec) | 092467 |
|  | Sheet metal support | 038410 | | | |
|  | Extension kit with wheels | 202889 | | | |
|  | Hand Router LO 65 Ec | 916901 | | | |
|  | Chip collecting system Cleanbox | 203402 | | | |
| | Chip collecting system Cleanbox 5 pieces | 203575 | | | |

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

Other

Duo-Dowel System

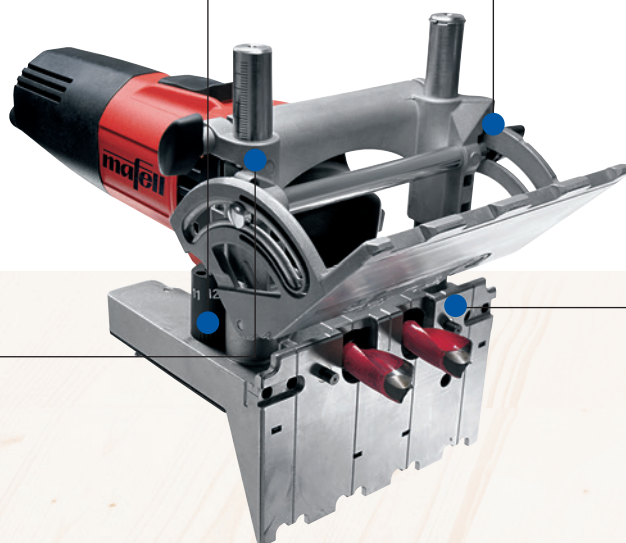
DD40 G

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 700 W**

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 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 MaxiMAX or MidiMAX machine in a T-MAX case, wooden dowels, a glue bottle, 2 anti-slip mats and drill bits as standard.

Technical data

| | |
|-----------------------|-------------|
| Drilling depth | 0 – 37 mm |
| Drill spacing | 32 mm |
| Chuck Ø | 8 mm |
| Tool Ø max. | 12 mm |
| Tool Ø min. | 3 mm |
| Tilt range | 0 – 90 ° |
| Nominal no-load speed | 18500 1/min |
| Nominal input | 700 W |
| Weight | 2.8 kg |

DD40 G

Delivery specification

| | |
|--|--------|
| Duo-Dowel System DD40 G MaxiMAX in the T-MAX | 916002 |
| Duo-Dowel System DD40 G MidiMAX in the T-MAX | 916001 |

Delivery scope includes

| | |
|--|--------|
| 2 Anti-slip mats, wrapped (265 x 175 mm) | 095063 |
| 1 Bottle for glue 250 ml (without glue) | 095059 |
| 1 Allen key with handle | 093282 |
| 1 Auxiliary stops (assortment) | 203473 |
| 1 Mains cable 4 m (13.1 ft) | 077015 |

MaxiMAX:

| | |
|---|--------|
| 1 Dowel nozzle Ø 8 mm | 095060 |
| 1 MAFELL special dowels 6 x 30 mm, 350 pieces | 802000 |
| 1 MAFELL special dowels 8 x 30 mm, 200 pieces | 802010 |
| 1 MAFELL special dowels 10 x 40 mm, 100 pieces | 802020 |
| 2 MAFELL dowel drill bits, carbide-tipped Ø 6, 8, 10 mm | |

MidiMAX:

| | |
|--|--------|
| 1 MAFELL special dowels 8 x 30 mm, 200 pieces | 802010 |
| 2 MAFELL dowel drill bits, carbide-tipped Ø 8 mm | 090097 |

PG A

Price list page 14





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.

Accessories / Tools

| Image | Description | Ref. No. | Image | Description | Ref. No. |
|-------|--|---------------|-------|---|---------------|
| | MAFELL dowel drill bits | | | Screw clamp for fixing guide rail to workpiece | 093281 |
| | Ø 3 mm | 090083 | | | |
| | Ø 5 mm | 090089 | | Screw clamp with stop | 093280 |
| | Ø 6 mm | 090096 | | | |
| | Ø 6.1 mm | 090120 | | | |
| | Ø 7 mm | 090121 | | | |
| | 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 12.1 mm | 090126 | | | |
| | Ø 12.2 mm | 090127 | | | |
| | MAFELL special dowels | | | | |
| | packed | | | | |
| | 6 x 30 mm, 6 x 350 pieces | 802000 | | | |
| | 8 x 30 mm, 6 x 200 pieces | 802010 | | | |
| | 8 x 40 mm, 6 x 120 pieces | 802011 | | | |
| | 10 x 40 mm, 6 x 100 pieces | 802020 | | | |
| | 10 x 60 mm, 6 x 50 pieces | 802021 | | | |
| | 12 x 60 mm, 6 x 40 pieces | 802030 | | | |
| | | | | | |
| | | | | | |
| | Anti-slip mats | 095063 | | | |
| | 2 pieces | | | | |
| | Dowel drilling template | 203980 | | | |
| | with quick acting clamping device 800 mm | | | | |
| | Dowel drilling template extension | 203434 | | | |
| | 1600 mm | | | | |
| | Clamping device retrofit kit | 203690 | | | |
| | for dowel template 203057 | | | | |

Duo-Dowel System

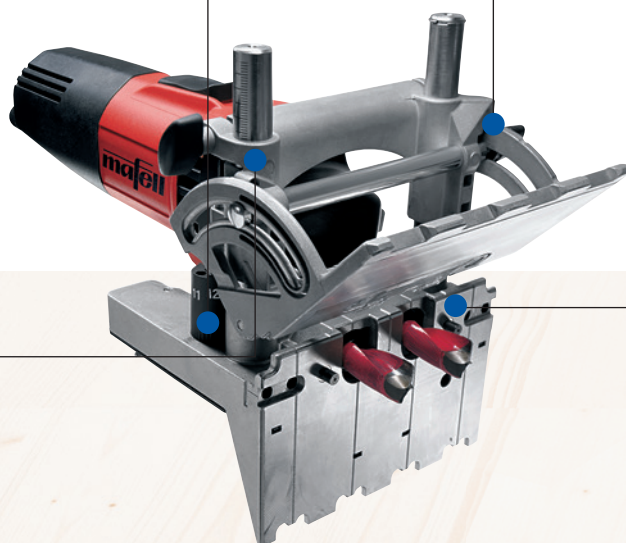
DD40 P

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 |
| Weight | 2.9 kg |

DD40 P

Delivery specification

| | |
|---|--------|
| Duo-Dowel System DD40 P PowerMAX in the T-MAX | 916010 |
|---|--------|

Delivery scope includes

| | |
|---|--------|
| 2 Anti-slip mats, wrapped (265 x 175 mm) | 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 (13.1 ft) | 077015 |
| 1 MAFELL special dowels 8 x 30 mm, 200 pieces | 802010 |
| 1 MAFELL special dowels 10 x 40 mm, 100 pieces | 802020 |
| 1 MAFELL special dowels 12 x 60 mm, 40 pieces | 802030 |
| 2 MAFELL dowel drill bits, carbide-tipped Ø 6, 8, 10 mm | |

PG A

Price list page 14





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.

Accessories / Tools

| Image | Description | Ref. No. | Image | Description | Ref. No. |
|-------|---|---------------|-------|---|---------------|
| | MAFELL dowel drill bits | | | Screw clamp for fixing guide rail to workpiece | 093281 |
| | Ø 5 mm | 090089 | | | |
| | Ø 6 mm | 090096 | | Screw clamp with stop | 093280 |
| | Ø 6.1 mm | 090120 | | | |
| | Ø 7 mm | 090121 | | | |
| | 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 12.1 mm | 090126 | | | |
| | Ø 12.2 mm | 090127 | | | |
| | Ø 14 mm | 090128 | | | |
| | Ø 15 mm | 090129 | | | |
| | Ø 16 mm | 090085 | | | |
| | Ø 16.2 mm | 090130 | | | |
| | MAFELL special dowels packed | | | | |
| | 6 x 30 mm, 6 x 350 pieces | 802000 | | | |
| | 8 x 30 mm, 6 x 200 pieces | 802010 | | | |
| | 8 x 40 mm, 6 x 120 pieces | 802011 | | | |
| | 10 x 40 mm, 6 x 100 pieces | 802020 | | | |
| | 10 x 60 mm, 6 x 50 pieces | 802021 | | | |
| | 12 x 60 mm, 6 x 40 pieces | 802030 | | | |
| | Anti-slip mats 2 pieces | 095063 | | | |
| | | | | | |
| | Dowel drilling template with quick acting clamping device 800 mm | 203980 | | | |
| | | | | | |
| | Dowel drilling template extension 1600 mm | 203434 | | | |
| | | | | | |
| | Clamping device retrofit kit for dowel template 203057 | 203690 | | | |

With a bit holder on the top of the machine, the desired bit is always to hand.



Spindle with 1/4" chuck directly accommodates bits and push-fit accessories.

Thanks to the practical belt clip, the A 10 M is always within reach. It can be attached to the left or right of the machine without any tools.

Bright LEDs illuminate a large working area.

Product features

- Excellent power-to-weight ratio
- Peerless handling

Application area

- Drilling
- Driving
- Fitting and assembly

Product description

Small format, big performance – the compact A 10 M drill driver raises eyebrows in its performance class thanks to exceptional output and clever functions. This handy, multi-talented machine is the ideal choice for all internal finishing tasks.

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

The battery PowerTanks feature process-controlled technology.

All the relevant factors, including the individual cell state, air cooling and cell temperature are monitored. In addition, the floating battery cells are protected against mechanical influences.

Technical data

| | |
|--|----------------|
| Chuck opening | 10 mm |
| Max. drilling diameter in wood / steel | 22 / 10 mm |
| Torque soft / hard | 17 / 34 Nm |
| Nominal no-load speed 1st setting | 0 - 360 1/min |
| Nominal no-load speed 2nd setting | 0 - 1400 1/min |
| Weight (including battery) | 0,8 kg |
| Voltage rating | 10,8 V |

A 10 M bl

Delivery specification

| | |
|---|--------|
| Cordless Drill Driver A 10 M in the T-MAX | 919901 |
|---|--------|

Delivery scope includes

| | |
|-------------------------------------|--------|
| 1 Quick-release chuck A-SBF 10 | 206771 |
| 1 Quick-release angle head A-SWV 10 | 206773 |
| 1 Battery PowerTank 10 M 22 | 094444 |
| 1 Battery PowerTank 10 M 43 | 094445 |
| 1 Battery PowerStation APS 10 M | 094447 |
| 1 Belt clip | |
| 1 Bit PZ 2 | |





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



Maximum torque of 34 Nm makes the A 10 M a highly capable all-rounder.



The battery charge indicator is situated on the side for permanent visibility.



Thanks to the clever angle head, screws can be tightened easily, even in confined spaces.

Accessories / Tools

| Image | Description | Ref. No. |
|---|--|---------------|
|  | Quick-release chuck A-SBF 10 10 mm | 206771 |
|  | Quick-release bit holder A-SBH | 206766 |
|  | Quick-release angle head A-SWV 10 up to 100 Nm | 206773 |
|  | Battery PowerTank 10 M 22 10,8 V, 22 Wh | 094444 |
|  | Battery PowerTank 10 M 43 10,8 V, 43 Wh | 094445 |
|  | Battery PowerStation APS 10 M 10,8 V | 094447 |

Cordless Drill Driver / Cordless Impact Drill Driver

A 18 M bl / ASB 18 M bl

NEW

The convenient function switch on the top of the cordless drill driver selects the drilling, driving and impulse modes.

The maintenance-free brushless motor ensures a long service life and, thanks to its high efficiency, makes best possible use of the battery capacity

With two bit holders on each side of the machine, the desired bit is always to hand.

Image ASB 18 M bl



The Impact drill function extends the application scope of the ASB 18 M bl.

Spindle with 1/4" chuck directly accommodates bits and push-fit accessories.

43 mm diameter clamping collar fits all MAFELL BST drilling stations.

Bright LEDs illuminate a large working area.

Product features

- **Outstanding torque range**
- **Brushless motor**
- **Excellent power-to-weight ratio**
- **Up to 90 Nm output**

Application area

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

Product description

Powerful, user-friendly, tough, resilient – MAFELL's new, high-output cordless drill drivers enhance the pleasure of doing a good job.

The large torque range gives access to extremely high twisting forces. Screws can be tightened carefully in a wide range of applications – with the appropriate torque selected, even large screws can be used.

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

The selectable impulse mode comes to the fore when confronted with immovable screws.

Thanks to the practical belt clip, the cordless drill driver is always within reach. It can be attached to the left or right of the machine without any tools.

The battery PowerTanks feature process-controlled technology. All the relevant factors, including the individual cell state, air cooling and cell temperature are monitored.

In addition, the floating battery cells are protected against mechanical influences.

The 43 mm (1 11/16 in.) steel collar fits into the MAFELL BST drill stand.

Technical data

| | A 18 M bl | ASB 18 M bl |
|--|----------------|----------------|
| Clamping collar diameter | 43 mm | 43 mm |
| Chuck opening | 13 mm | 13 mm |
| Max. drilling diameter in wood / steel | 50 / 13 mm | 50 / 13 mm |
| Torque soft / hard | 44 / 90 Nm | 44 / 90 Nm |
| Impulse torque (soft) | 49 Nm | 49 Nm |
| Nominal no-load speed 1st setting | 0 - 600 1/min | 0 - 600 1/min |
| Nominal no-load speed 2nd setting | 0 - 2050 1/min | 0 - 2050 1/min |
| Weight (including battery) | 1,7 kg | 1,9 kg |
| Voltage rating | 18 V | 18 V |
| Impact rate | – | 38.950 1/min |
| Torque settings | 11 | 11 |

Delivery specification

| | |
|--|---------------|
| Cordless Drill Driver A 18 M bl - PURE in the T-MAX | 91A002 |
| Cordless Drill Driver A 18 M bl MidiMAX in the T-MAX | 91A001 |
| Cordless Drill Driver A 18 M bl MaxiMAX in the T-MAX | 91A040 |
| Cordless Impact Drill Driver ASB 18 M bl - PURE in the T-MAX | 91A102 |
| Cordless Impact Drill Driver ASB 18 M bl MidiMAX in the T-MAX | 91A101 |
| Cordless Impact Drill Driver ASB 18 M bl MaxiMAX in the T-MAX | 91A140 |

Delivery scope includes

| | | PURE | Midi | Maxi |
|---|---------------|------|------|------|
| 1 Quick-release chuck A-SBF 13 | 206772 | x | x | x |
| 1 Quick-release bit holder A-SBH | 206766 | x | x | x |
| 1 Battery PowerStation APS 18 M | 094453 | | x | x |
| 1 Angle head A-WV 18 | 094459 | | | x |
| 2 Battery PowerTank 18 M 72 | 094432 | | x | |
| 2 Battery PowerTank 18 M 94 | 094436 | | | x |
| 1 Belt clip | | x | x | x |
| 1 Auxiliary handle | | x | x | x |
| 1 Bit PZ 2 | | x | x | x |

PG A
Price list page 14





Swap the bit holder, chuck and angle head in a matter of seconds – it's easy with the clever quick-release system. Pull out, insert, ready to go.



Drilling in wood with a 50 mm Lewis auger bit? Not a problem for the A 18 M bl and ASB 18 M bl with auxiliary handle.



The battery permanently displays its exact charge, even when it is detached.



The ASB 18 M bl combines three cordless machines in one: a driver, a conventional drill, and a percussion drill.

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 18 M 72 18 V, 72 Wh | 094432 |
| | Battery PowerTank 18 M 94 18 V, 94 Wh | 094436 |
| | Battery PowerStation APS 18 M 18 V | 094453 |
| | Lewis auger bit with hexagonal shank total length 650 mm (25 9/16 in.) 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 |
| | Lewis auger bit with hexagonal shank total length 460 mm (18 1/8 in.) Ø 8 mm Ø 10 mm Ø 12 mm Ø 14 mm Ø 16 mm Ø 18 mm | 090251 090252 090253 090254 090255 090256 |

| Image | Description | Ref. No. |
|--|---|---|
| | Ø 20 mm Ø 22 mm Ø 24 mm Ø 26 mm Ø 28 mm Ø 30 mm | 090257 090258 090259 090260 090261 090262 |
| | Lewis auger bit with hexagonal shank total length 320 mm (12 5/8 in.) 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 |
| | Case with auger bits 650 5 pieces auger bits Ø 12, 14, 16, 18, 20 mm | 093292 |
| | Case with auger bits 460 6 pieces auger bits Ø 8, 10, 12, 14, 16, 18 mm | 093291 |
| | Case with auger bits 320 6 pieces auger bits Ø 8, 10, 12, 14, 16, 18 mm | 093290 |
| | Drilling station BST 460 BST 460 with parallel fence, Copying insert, special drill bit for copying insert BST 320 BST 320 with parallel fence, Copying insert, special drill bit for copying insert BST 650 S BST 650 S with parallel fence, Copying insert, special drill bit for copying insert BST 460 S BST 460 S with parallel fence, Copying insert, special drill bit for copying insert | 961211 961261 961210 961251 961216 961281 961215 961271 |
| All auger bits shown here are guaranteed against breakage of the lead screw. Subject to the general guarantee conditions. | | |

Drilling station

BST 460 / BST 320

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

Delivery specification

| | |
|---|---------------|
| Drilling Station BST 460 | 961211 |
| Drilling Station BST 320 | 961210 |
| Drilling Station BST 460 with parallel fence, Copying insert, special drill bit for copying insert | 961261 |
| Drilling Station BST 320 with parallel fence, Copying insert, special drill bit for copying insert | 961251 |

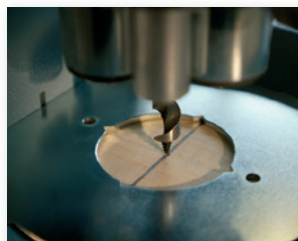




The tensile force exerted by the polyethylene cable can be individually adjusted.



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 total length 460 mm (18 1/8 in.) | |
| | 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 |

| Image | Description | Ref. No. |
|---|---|---------------|
|  | Lewis auger bit with hexagonal shank for BST 460, BST 320 total length 320 mm (12 5/8 in.) | |
| | Ø 6 mm | 090279 |
| | 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 |
|  | Case with auger bits 460 6 pieces auger bits Ø 8, 10, 12, 14, 16, 18 mm | 093291 |
| | Case with auger bits 320 6 pieces 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.

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

Delivery specification

| | |
|--|--------|
| Drilling Station BST 650 S | 961216 |
| Drilling Station BST 460 S | 961215 |
| Drilling Station BST 650 S with parallel fence, Copying insert, special drill bit for copying insert | 961281 |
| Drilling Station BST 460 S with parallel fence, Copying insert, special drill bit for copying insert | 961271 |

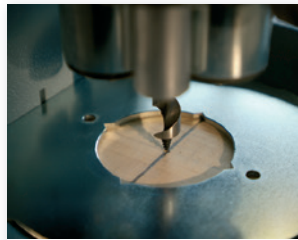




The S models can be precisely set to $\pm 45^\circ$.



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, BST 460 S BST 460, BST 320 total length 320 mm (12 5/8 in.) | |
|  | Drilling machine retainer Ø 57 mm | 204476 | | Ø 6 mm | 090279 |
|  | Copying insert 24.8 / 18 mm | 204290 | | Ø 7 mm | 090280 |
|  | Special drill bit Ø 25 mm, total length 320 mm, for creating individual drilling templates | 090276 | | Ø 8 mm | 090263 |
|  | Lewis auger bit with hexagonal shank for BST 650 S total length 650 mm (25 9/16 in.) | | | Ø 9 mm | 090264 |
| | Ø 10 mm | 090240 | | Ø 10 mm | 090265 |
| | Ø 12 mm | 090241 | | Ø 12 mm | 090266 |
| | Ø 14 mm | 090242 | | Ø 14 mm | 090267 |
| | Ø 16 mm | 090243 | | Ø 16 mm | 090268 |
| | Ø 18 mm | 090244 | | Ø 18 mm | 090269 |
| | Ø 20 mm | 090245 | | Ø 20 mm | 090270 |
| | Ø 22 mm | 090246 | | Ø 22 mm | 090271 |
| | Ø 24 mm | 090247 | | Ø 24 mm | 090272 |
| | Ø 26 mm | 090248 | | Ø 26 mm | 090273 |
| | Ø 28 mm | 090249 | | Ø 28 mm | 090274 |
| | Ø 30 mm | 090250 | | Ø 30 mm | 090275 |
|  | Lewis auger bit with hexagonal shank for BST 650 S, BST 460 S total length 460 mm (18 1/8 in.) | |  | Case with auger bits 650 5 pieces auger bits Ø 12, 14, 16, 18, 20 mm | 093292 |
| | Ø 8 mm | 090251 | | Case with auger bits 460 6 pieces auger bits Ø 8, 10, 12, 14, 16, 18 mm | 093291 |
| | Ø 10 mm | 090252 | | Case with auger bits 320 6 pieces auger bits Ø 8, 10, 12, 14, 16, 18 mm | 093290 |
| | Ø 12 mm | 090253 | | All auger bits shown here are guaranteed against breakage of the lead screw. Subject to the general guarantee conditions. | |
| | 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 | | | |

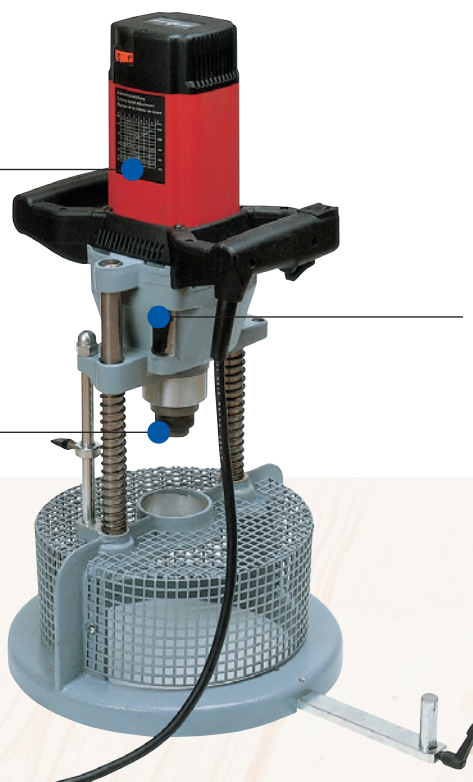
Carpentry Drilling Machine

ZB 100 ES

Powerful motor and high quality standard means longer service life.

Tool-less rapid locking – for simple, fast tool changes.

Universal machine – for ring, ring-groove and GEKA dowels.



Product features

- **Extremely robust**
- **Clockwise/counter-clockwise rotation**

Application area

- Straight ring groove cutting
- Conical ring groove cutting
- Drilling holes for GEKA toothed plate connectors
- Countersinking and counterboring
- Compatible materials include solid wood and laminated beams

Product description

The ZB 100 ES for precise routing cuts of all conventional dowel types up to 160 mm (6 5/16 in.).

The speed can be infinitely adjusted from 340 to 1450 rpm according to tool diameter.

The special drill mount of the ZB 100 ES offers maximum possible safety.

Naturally we offer the optimum tool for your application:
e.g. counter sink, GEKA cutting tool, etc.

Technical data

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

ZB 100 ES

100 mm
340 – 1450 1/min
1200 W
9 kg
230 V/50 Hz

Delivery specification

Carpentry Drilling Machine ZB 100 ES **923601**














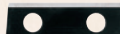

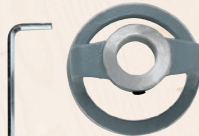

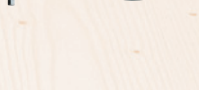














Delivery scope includes

| | |
|--|---------------|
| 1 Special drill mount for ring-groove cutting tools without face edge stop | 039160 |
| 1 Mounting shaft for ring-groove cutting tools | 039192 |
| 1 Mains cable 10 m (32.8 ft) | 087612 |

PG B
Price list page 15



Accessories / Tools

| Image | Description | Ref. No. | Image | Description | Ref. No. |
|---|---|--|---|--|----------|
|  | Drill mount up to 350 mm drilling depth (without focusing device) | 039155 |  | Hexagon shaft for drilling machines with chuck | 204174 |
|  | Drill mount up to 475 mm drilling depth (with- out focusing device) | 039195 |  | Reversible scoring knife (4 required) TCT, 14 x 14 x 2 mm (9/16 x 9/16 x 1/16 in.) | 034907 |
|  | Supplementary handle | 039203 |  | Reversible knives for head counter sick Ø 50 mm, 20.6 (13/16 in.) x 15.5 x 2 mm | 039026 |
|  | Ring-groove cutting tool Size I for 54 - 160 mm (2 1/8 - 6 5/16 in.) ring diameters | 091804 |  | Ø 60 mm, 25.4 (1 in.) x 15.5 x 2 mm | 039027 |
|  | Inside cutter | 020779 |  | Ø 70 mm, 30.2 (1 3/16 in.) x 15.5 x 2 mm | 039028 |
|  | Outside cutter | 020711 |  | Ø 80 mm, 35.2 (1 3/8 in.) x 15.5 x 2 mm | 039029 |
|  | Removing cutter | 020710 |  | Ø 100 mm, 45.2 (1 3/4 in.) x 15.5 x 2 mm | 039030 |
|  | Knife support individual (3 pieces required) | 038786 |  | Guide and guard ring, assembled with Allen key for counter sink Ø 50 - 70 mm (1 15/16 - 2 3/4 in.) | 090181 |
|  | Ring-groove cutting tool for conical ring connectors | 091807 |  | Guide and guard ring, assembled with Allen key for counter sink Ø 80 - 100 mm (3 1/8 - 3 15/16 in.) | 090183 |
|  | Inside cutter | 020781 |  | Guide pilot pin | |
|  | Outside cutter | 020783 | | Ø 11,5 mm | 035570 |
|  | Removing cutter | 020780 | | Ø 12,5 mm | 035571 |
|  | Knife support individual (3 pieces required) | 038786 | | Ø 13,5 mm | 039387 |
|  | Ring-groove cutting tool GEKA | 091809 | | Ø 14,5 mm | 035572 |
|  | Inside cutter | 021136 | | Ø 15,5 mm | 035573 |
|  | Outside cutter | 021137 | | Ø 16,5 mm | 035574 |
|  | Removing cutter | 021138 | | Ø 17,5 mm | 035575 |
|  | Knife support individual (3 pieces required) | 038785 |  | Adapter for MK 2 to adapt tools of the Carpentry Drilling Machine K to model ZB | 039139 |
|  | Guide pilot pin with depth control ring | |  | Ejector for MK 2 | 093001 |
| | Ø 11,5 mm | 021303 | | | |
| | Ø 12,5 mm | 035892 | | | |
| | Ø 13,5 mm | 035893 | | | |
| | Ø 15,5 mm | 035894 | | | |
| | Ø 17,5 mm | 035895 | | | |
| | Ø 19,5 mm | 035896 | | | |
| | Ø 21,5 mm | 035897 | | | |
| | Ø 23,5 mm | 035898 | | | |
| | Ø 25 mm | 035899 | | | |
|  | Head counter sink Ø 50 mm Ø 60 mm Ø 70 mm Ø 80 mm Ø 100 mm | 090151 090161 090175 090176 090177 | | | |
| | (without guide and guard ring or guide pilot pin) | | | | |

ZB 400 E / ZB 600 E



Tool-less rapid locking – for simple, fast drill bit changes.

Swivelling focussing device – for simple drill bit changes.

High quality standard means longer service life.

Product features

- **Powerful motor**
- **Clockwise/counter-clockwise rotation**

Application area

- Tilts through 45° in one direction
- Precision and series drilling
- Angle drilling
- Compatible materials include solid wood and laminated beams

Product description

The ZB 400 E / ZB 600 E with poka-yoke rapid locking system for the chuck.

Also equipped with electronic speed control, clockwise/counterclockwise rotation, two-speed mechanical gear, 63 mm (2 1/2 in.) clamping collar and centering bolt.

Further advantages of the ZB 400 E / ZB 600 E include well-balanced handles for free-hand operation and overhead work and speed adjustment in accordance with drill bit size and separate stop plate bar for drilling depth setting. All these make the drilling machine indispensable for extreme drilling in the hardest timber.

Technical data

| | ZB 400 E | ZB 600 E |
|-----------------------|------------------|------------------|
| Drilling depth | 350 mm | 475 mm |
| Tilt range | 0 – 45 ° | 0 – 45 ° |
| Nominal no-load speed | 340 – 1450 1/min | 340 – 1450 1/min |
| Nominal input | 1200 W | 1200 W |
| Universal motor | 230 V/50 Hz | 230 V/50 Hz |
| Weight | 16.5 kg | 17.7 kg |

Delivery specification

Carpentry Drilling Machine ZB 400 E with drill mount **922901**
max. drilling depth 350 mm (13 3/4 in.)







Carpentry Drilling Machine ZB 600 E with drill mount **923301**
max. drilling depth 475 mm (18 11/16 in.)

Delivery scope includes

| | |
|--|---------------|
| 1 Auger bit 18 x 650 mm (11/16 x 25 9/16 in.), for ZB 400 E, drilling depth up to 350 mm (13 3/4 in.) | 090205 |
| 1 Auger bit 18 x 820 mm (11/16 x 32 5/16 in.), for ZB 600 E, drilling depth up to 475 mm (18 11/16 in.) | 090215 |
| 1 Focussing device for drill bit diameters 10 - 28 mm (3/8 - 1 1/8 in.) | |
| 1 Adapter for drill bit with MK 2 chuck | |
| 1 Mains cable 10 m (32.8 ft) | 087612 |



Accessories / Tools

| Image | Description | Ref. No. | Image | Description | Ref. No. |
|---|---|----------|---|--|----------|
|  | Special drill mount for ring-groove cutting tools without face edge stop | 039160 |  | Adapter for MK 2 to adapt tools of the Carpentry Drilling Machine K to model ZB | 039139 |
|  | Guide fence | 039156 |  | Ejector for MK 2 | 093001 |
|  | Auger bit for ZB 400 E total length 650 mm drilling depth up to 350 mm (13 3/4 in.) | | | | |
| | Ø 10 mm | 090201 | | | |
| | Ø 12 mm | 090202 | | | |
| | Ø 13 mm | 090222 | | | |
| | Ø 14 mm | 090203 | | | |
| | Ø 15 mm | 090223 | | | |
| | Ø 16 mm | 090204 | | | |
| | Ø 17 mm | 090224 | | | |
| | Ø 18 mm | 090205 | | | |
| | Ø 20 mm | 090206 | | | |
| | Ø 21 mm | 090225 | | | |
| | Ø 22 mm | 090207 | | | |
| | Ø 24 mm | 090208 | | | |
| | Ø 25 mm | 090226 | | | |
| | Ø 26 mm | 090209 | | | |
| | Ø 28 mm | 090210 | | | |
| | Ø 30 mm | 090211 | | | |
|  | Auger bit for ZB 600 E total length 820 mm drilling depth up to 475 mm (18 11/16 in.) | | | | |
| | Ø 12 mm | 090212 | | | |
| | Ø 14 mm | 090213 | | | |
| | Ø 16 mm | 090214 | | | |
| | Ø 18 mm | 090215 | | | |
| | Ø 20 mm | 090216 | | | |
| | Ø 22 mm | 090217 | | | |
| | Ø 24 mm | 090218 | | | |
| | Ø 26 mm | 090219 | | | |
| | Ø 28 mm | 090220 | | | |
| | Ø 30 mm | 090221 | | | |

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

Other

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 |
| 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 |
|-----------------------------------|--------|

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 Mains cable 4 m (13.1 ft) | 087323 |

PG A
Price list page 17





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. |
|-------|--|----------|
| | Universal filter bags UFB-1 5 bags | 205570 |
| | Abranet®* abrasive mesh hook and loop, 115 x 230 mm | |
| | 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 |

***Abranet® abrasive mesh is setting new technical standards as it facilitates 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 |
| 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 Mains cable 4 m (13.1 ft) | 087323 |

PG A
Price list page 17





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.

| Image | Description | Ref. No. |
|-------|---|---------------|
| | Abranet® abrasive mesh HD P 60 hook and loop, Ø 150 mm, 20 pieces | 093447 |
| | Abranet® abrasive mesh hook and loop, Ø 150 mm | |
| | P 80, 35 sheets | 093448 |
| | P 100, 40 sheets | 093449 |
| | P 120, 40 sheets | 093450 |
| | P 150, 40 sheets | 093451 |
| | P 180, 40 sheets | 093452 |
| | P 240, 40 sheets | 093453 |
| | P 320, 40 sheets | 093454 |
| | Interface pad EVA-SA Ø 150 mm | 093446 |
| | Soft interface pad SAL-1 hook and loop, for curved surfaces | 093459 |

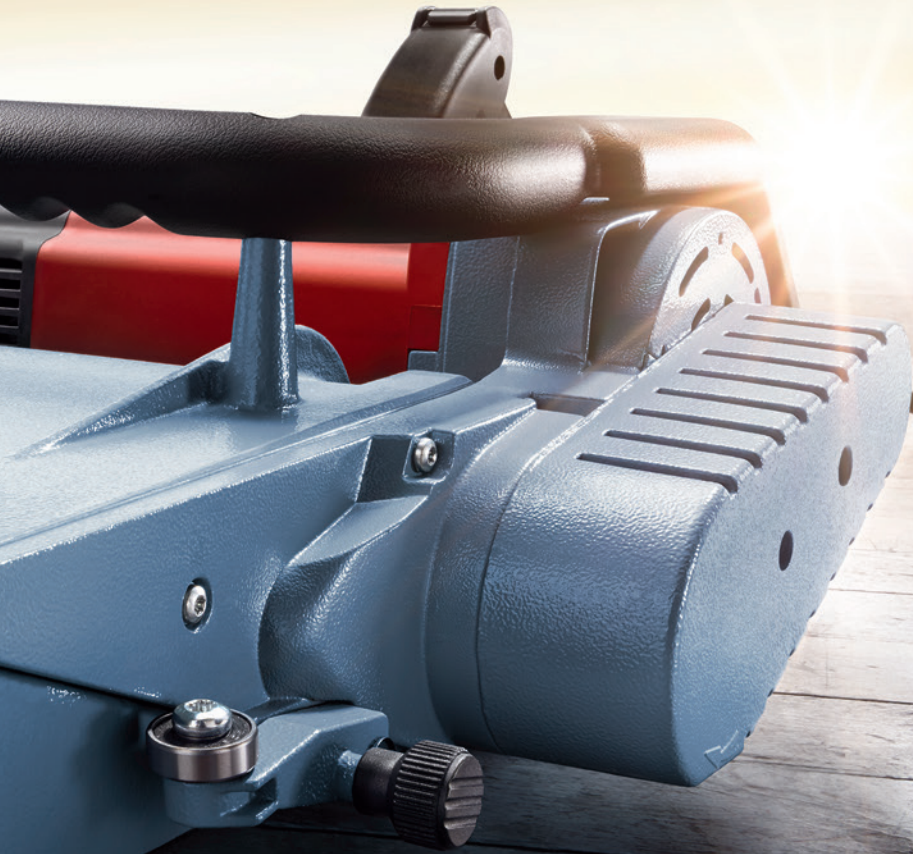
| Image | Description | Ref. No. |
|-------|--|---------------|
| | Sanding pad EVA-ST-H hard | 093455 |
| | Sanding pad EVA-ST-S soft | 093457 |
| | Universal filter bags UFB-1 5 bags | 205570 |

***Abranet® abrasive mesh is setting new technical standards as it facilitates 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 planes to satisfy precisely these aspirations.



MAFELL

Sawing

Drilling

Sanding

Planing

Mortising

Dust
Extraction

Other

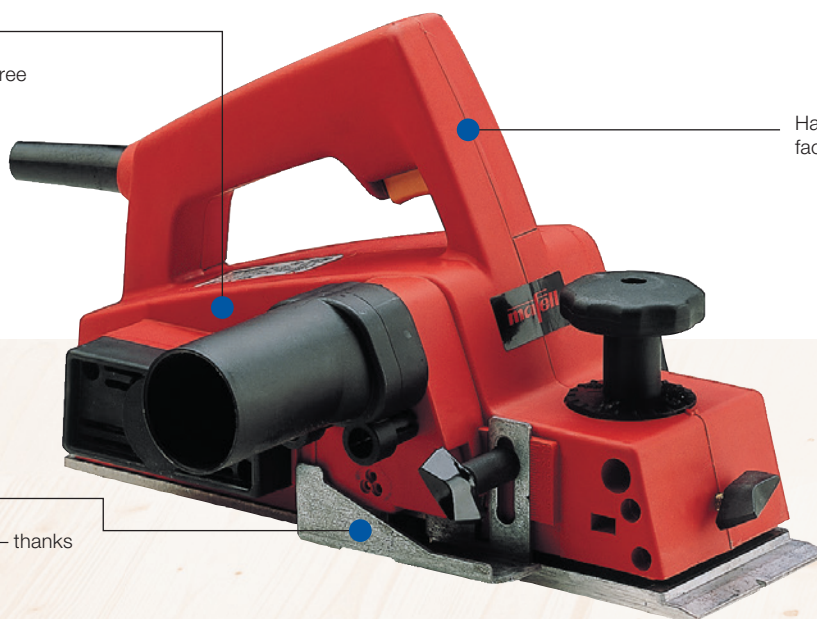
Electric Hand Planer

MHU 82

Powerful motor – problem-free continuous use.

Handle ideally balanced – facilitates handling.

Clean, smooth workpieces – thanks to 12 000 rpm cutter head.



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, 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 |
| 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 MAFELL-MAX | 912710 |
| Electric Hand Planer MHU 82 in the T-MAX (complete with fence, dust bag, bench stand in the T-MAX) | 912714 |

Delivery scope includes

| | |
|--|---------------|
| 1 Rabbet depth stop | 034979 |
| 1 Hose connector inner Ø 38 mm (1 1/2 in.) | 033679 |
| 1 Reversible knife 1 pair, TCT | 091696 |
| 1 Single-end spanner 8 mm | 093258 |
| 1 Mains cable 4 m | 087323 |

PG A
Price list page 18





Complete as a set in the T-MAX. Ref. No. 912714.



Electric Hand Planer MHU 82 with bench stand and retractable knife guard.



Chips are simply removed by suction.



Re-bating of a door with the MHU 82.

MAFELL

Sawing

Drilling

Sanding

Planing

Mortising

Dust Extraction

Other

Accessories / Tools

| Image | Description | Ref. No. |
|-------|---|---------------|
| | Angle fence assembled | 033096 |
| | Fence with straight angle assembled | 036858 |
| | Reversible knives 1 pair, TCT | 091696 |
| | Reversible knives 3 pairs, TCT | 091697 |
| | Clamping device 1 piece, for Ref. No. 091696, 091697 | 035101 |
| | Bench stand with retractable knife guard and 2 screw clamps | 033110 |
| | Screw clamp for bench stand | 093232 |
| | Dust bag | 033707 |
| | Hose connector inner Ø 38 mm (1 1/2 in.) | 033679 |

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 13.4 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

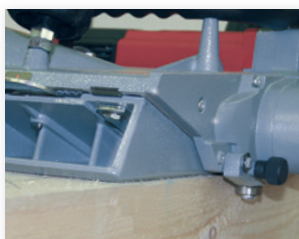
| | ZH 205 Ec | ZH 245 Ec |
|-----------------------|-------------|-------------|
| Planing width | 208 mm | 248 mm |
| Planing depth | 0 - 4 mm | 0 - 4 mm |
| Cutter head diameter | 74 mm | 74 mm |
| Nominal no-load speed | 8500 1/min | 8500 1/min |
| Nominal input | 2300 W | 2500 W |
| Weight | 12.5 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 | 091791 |
| 1 pair, HL | |
| 1 Single-end spanner 8 mm | 093258 |
| 1 Mains cable 4 m (13.1 ft) | 087378 |



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
- 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 |
|-----------------------------------|--------|

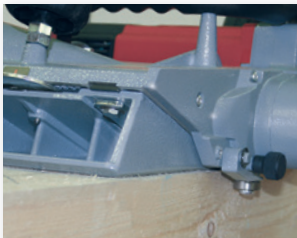
Delivery scope includes

| | |
|------------------------------------|---------------|
| 1 Reversible knives | 091791 |
| 1 pair, HL | |
| 1 Single-end spanner 8 mm | 093258 |
| 1 Mains cable 4 m (32.8 ft) | 087378 |

PG B

Price list page 18





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 the 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

Other

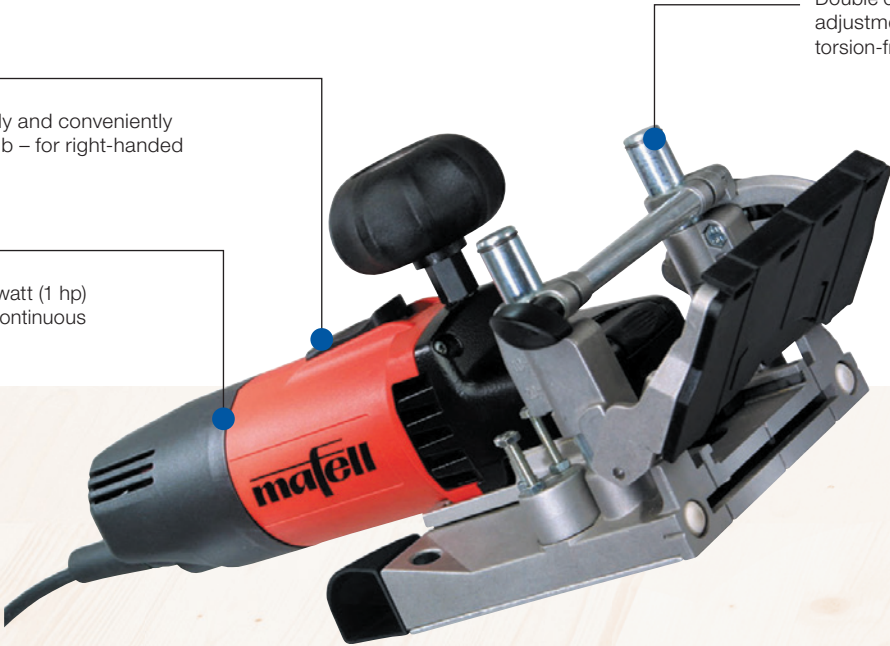
Biscuit Joiner

LNF 20

The on/off switch is easily and conveniently operated with your thumb – for right-handed and left-handed users.

With above average 750 watt (1 hp) rating – for professional continuous use.

Double column guide for height adjustment – ensures exact, torsion-free adjustment.



Product features

- Ergonomic design
- With revolving depth stop
- In the T-MAX

Application area

- Cutting slots for biscuits
- Cutting slots for wood patches
- Compatible materials include solid wood, board and carcass materials

Product description

Now with extra features... and all conveniently integrated in the T-MAX. Ideal for the biscuit jointing fanatics amongst you!

One turn of the revolving depth control turret adjusts the tool to all conventional flat dowel sizes.

The tilt stop can be fixed with detents of 0°, 22.5°, 45°, and 67.5° up to 90°.

Torsion-free cast angle stop and height adjustment make your work easier while 2 sturdy adjusting bolts keep the setting constant even after your 100th cut.

All you need is "on board" in the T-MAX: practical containers for your dowels, space for the optional pitch pocket cutter, anti-slip mat and of course your LNF 20.

Technical data

| | |
|-----------------------|--------------|
| Cutting depth | 19 mm |
| Cutting tool Ø | 100 mm |
| Tilt range | 0 – 90 ° |
| Nominal no-load speed | 9800 1/min |
| Nominal input | 750 W |
| Weight | 3.1 kg |
| Universal motor | 230 V/ 50 Hz |

LNF 20

Delivery specification

| | |
|------------------------------------|--------|
| Biscuit Joiner LNF 20 in the T-MAX | 915601 |
|------------------------------------|--------|

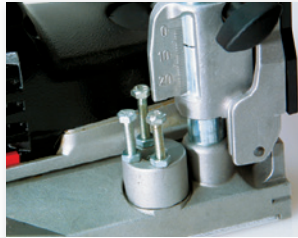
Delivery scope includes

| | |
|--|--------|
| 1 Disk cutter | 076905 |
| TCT, 100 x 4 x 22 mm (3 15/16 x 3/16 x 7/8 in.), 6 teeth | |
| 1 Ejection pipe | 076954 |
| 1 Hose connector | 076955 |
| 1 Dust bag | 076956 |
| 1 Screwdriver for recessed-head screws | 093283 |
| 1 Face pin spanner | 093119 |
| 1 Mains cable 4 m (13.1 ft) | 076953 |

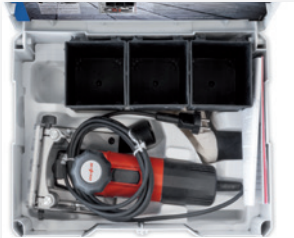




Mitred joints with the LNF 20.



Groove height adjustment via revolving depth control turret or via scale.



The LNF 20 is supplied in the practical T-MAX.



Available as a special accessory for the LNF 20: Pitch pocket cutter, Ref. No. 091793

Accessories / Tools

| Image | Description | Ref. No. |
|---|--|---------------|
|  | Disk cutter 100 x 4 x 22 mm (3 15/16 x 3/16 x 7/8 in.), 6 teeth, TCT | 076905 |
|  | Pitch pocket cutter 100 x 8 x 22 mm (3 15/16 x 5/16 x 7/8 in.), 2 teeth, TCT | 091793 |
|  | Perspex base plate for use with the pitch pocket cutter | 076965 |
|  | Anti-slip mats 2 pieces | 095063 |

Hand Router

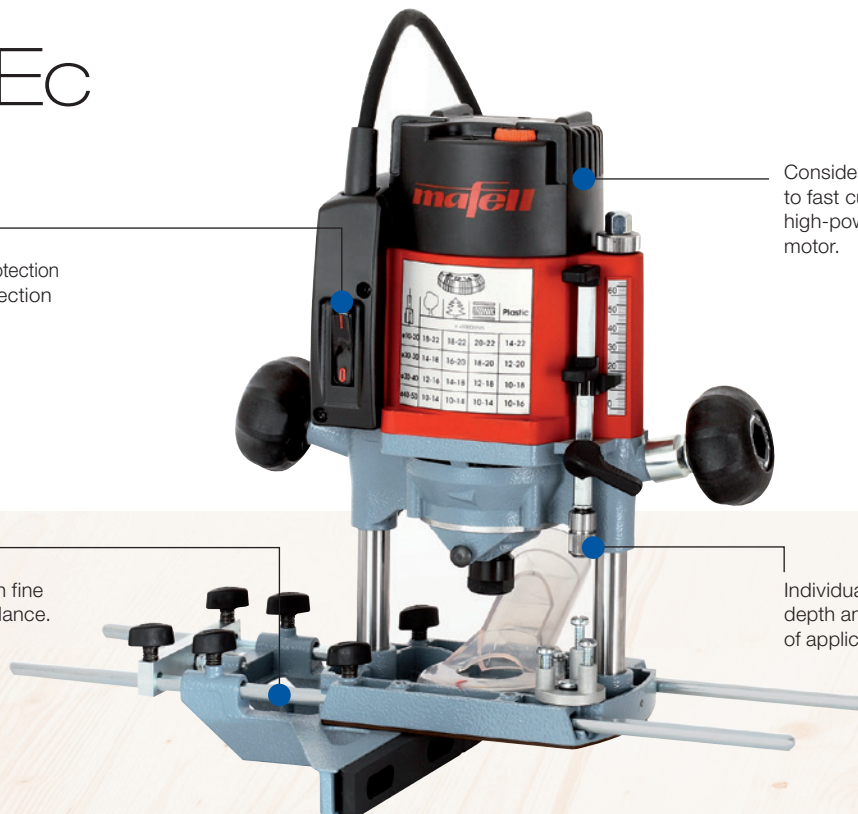
LO 65 Ec

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
- Router guide device for cutting housings in staircase strings as optional accessory

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
Chuck Ø
Nominal no-load speed
Nominal input
Weight
Universal motor

LO 65 Ec

0 – 65 mm
1/2" / 6 – 12 mm
10000 – 22000 1/min
2600 W
5.7 kg
230 V/50 Hz

Delivery specification

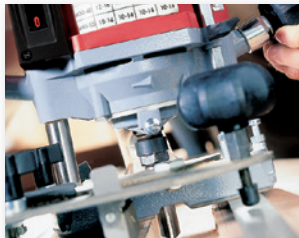
| | |
|---|--------|
| Hand Router LO 65 Ec MaxiMAX in the T-MAX | 916901 |
| Hand Router LO 65 Ec MidiMAX in the T-MAX | 916950 |

Delivery scope includes

| | |
|---|--------|
| 1 Parallel guide fence with fine adjustment (MaxiMAX) | 204310 |
| 1 Template guide Ø 30 mm | 038971 |
| 1 Collet 8 mm (MaxiMAX) | 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 (13.1 ft) | 087885 |

PG A
Price list page 19





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.



Available as a special accessory, the router guide device for cutting housings in staircase strings can execute all cuts up to 640 x 60 mm.

Accessories / Tools

| Image | Description | Ref. No. |
|-------|---|--|
| | Router guide device for cutting housings in staircase strings with 1 m (3.3 ft) guide track and 2 screw clamps | 200500 |
| | Guide track 1 m (3.3 ft) long, with adapter | 039100 |
| | Screw clamp for guide track | 093249 |
| | Sliding bevel for guide track | 038108 |
| | Roller edge guide | 038987 |
| | Template guide Ø 27 mm (1 1/16 in.) Ø 30 mm (1 3/16 in.) Ø 40 mm (1 9/16 in.) | 038988 038971 038989 |
| | Collet 6 mm (1/4 in.) 8 mm (3/8 in.) 10 mm (1/2 in.) 12 mm (1/2 in.) 1/2" 1/4" | 093257 093256 093255 093254 093276 093279 |

| Image | Description | Ref. No. |
|-------|---|---------------|
| | Adapter for router bit with internal shaft M 10 | 039363 |
| | Adapter for router bit with internal shaft M 12 x 1 | 201575 |

Router guide device for cutting housings in staircase strings:

This optional accessory from MAFELL is an ideal tool for carpenters making staircases to individual specifications. Locking devices allow it to be set for working lengths of 640 mm (25 3/16 in.) and widths of 60 mm (2 3/8 in.). The device is designed to execute the full range of recesses arising in staircase construction. The groove width can be adjusted according to the scale, while the lateral adjustment permits cutting to exact markings. The fact that the rail and machine can be moved together is beneficial if repeated changes in position are required: the machine need not be detached from the rail. The delivery specification includes two screw clamps for securing the guide rail in position; another optional accessory is an exact sliding bevel for the staircase constructor.

Groove-Cutting Machine

NFU 32



Special machine, designed for woodwork cuts – for high power reserves and long service life.

Guide track on both sides of machine – for various applications.

Product features

- **Special machine for grooves**
- **Expanding grooving cutter**

Application area

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

Product description

The NFU 32 is unique, unrivalled and only available from MAFELL!

With a maximum cutting width of 26.5 mm (1 1/16 in.) and depth of 32 mm (1 1/4 in.), the NFU 32 can execute most types of grooving work.

The cutting depth can be set steplessly. The cutting width is set quickly and easily with eccentric disks. Details such as the exact column guide or the torsion-free router table guarantee a 100 % exact cutting result.

The secret: with the optional guide track, the cutting angle can be set in seconds. Simply set the machine on the rule and cut the groove – no more time-consuming measuring and scoring of the angle!

Technical data

| | |
|----------------------------|----------------------|
| Cutting depth | 0 – 32 mm |
| Cutting tool – as standard | 125 x 15.4 – 26.5 mm |
| Tilt range | 0 – 45 ° |
| Nominal no-load speed | 4500 1/min |
| Nominal input | 1600 W |
| Weight | 8.1 kg |
| Universal motor | 230 V / 50 Hz |

NFU 32

Delivery specification

| | |
|-------------------------------|--------|
| Groove-Cutting Machine NFU 32 | 913501 |
|-------------------------------|--------|

Delivery scope includes

| | |
|---|---------------|
| 1 Expanding grooving cutter with reversible knives | 091418 |
| 125 x 15.4 - 26.5 x 30 mm (4 15/16 x 5/8 - 1 1/16 x 1 3/16) | |
| 1 Parallel guide fence | 034890 |
| 1 Allen key 4 mm | 093074 |
| 1 Allen key 6 mm | 093081 |
| 1 Ring spanner 45 mm | 093247 |
| 1 Mains cable 4 m (13.1 ft) | 087323 |

PG A

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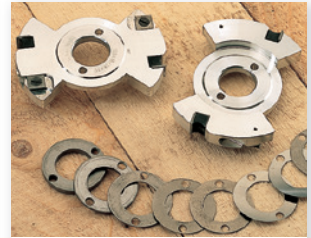
Guide track with sliding bevel and adapter as optional accessory.



Once angle is set on the scale, you can cut your grooves on the right ...

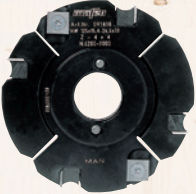





... or on the left of the rafter with the guide track (optional accessory). The angle can be adjusted quickly.



The width of the expanding grooving cutter is adjusted with a combination of different spacer rings.

Accessories / Tools

| Image | Description | Ref. No. |
|---|--|---------------|
|  | Expanding grooving cutter with reversible TCT knives, 125 x 15.4 - 26.5 x 30 mm (4 15/16 x 5/8 - 1 1/16 x 1 3/16 in.) | 091418 |
|  | Guide track as optional accessory with sliding bevel and adapter 1 m (3.3 ft) | 201546 |
|  | Reversible scoring knife (4 required) | 034907 |
|  | Reversible TCT knife (4 required) | 201544 |

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.

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.

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



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-cutter can be operated to a cutting depth of 26 mm (1 in.) on the guide rail and as a plunge-cut saw.

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 |
| 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 (13.1 ft) | 087323 |

GF-MAX:

| | |
|------------------------|---------------|
| 1 TCT saw blade | 092558 |
|------------------------|---------------|

120 x 1.2/1.8 x 20 mm (4 3/4 in.), AT, 24 teeth
for unsiversal use in wood

| | |
|---------------------------------------|---------------|
| 1 Gipskartonfräser MF-GF 90/15 | 206590 |
|---------------------------------------|---------------|

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 (4 3/4 in.), FT/TCG, 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 19





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 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 | | | Expanding groove cutter MF-VN 25 | 206074 |
| | F 80 , 0.8 m (2.6 ft) long | 204380 | | Cutting width 15,4 – 25 mm | |
| | F 110 , 1.1 m (3.6 ft) long | 204381 | | Reversible TCT knife | 206064 |
| | F 160 , 1.6 m (5.2 ft) long | 204365 | | (4 pieces required) | |
| | F 210 , 2.1 m (6.9 ft) long | 204382 | | Chamfer knives | 201930 |
| | F 310 , 3.1 m (10.2 ft) long | 204383 | | 22 x 22 x 2 mm (4 pieces required) | |
| | Connecting piece F-VS | 204363 | | | |
| | for joining two guide rails | | | Wallboard cutter MF-GF 45 | 205562 |
| | Angle fence F-WA | 205357 | | for 45° V-grooves up to 12.5 mm deep (incl. 2 position indicators) | |
| | Guide pocket F 160 | 204626 | | Chamfer knives | 201930 |
| | for guide rails up to 1.6 m | | | 22 x 22 x 2 mm (6 pieces required) | |
| | Guide pocket set: | 204805 | | Wallboard cutter MF-GF 90/15 | 206590 |
| | 2 x F 160 + F-VS | | | for 90° V-grooves up to 15 mm deep (incl. 2 position indicators) | |
| | + 2 x F-SZ 100MM | | | Reversible TCT knife | 206067 |
| | + 1 guide pocket | | | (2 pieces required) | |
| | Guide pocket set: | 204749 | | Chamfer knives | 201930 |
| | F 80 + F 160 + F-WA | | | 22 x 22 x 2 mm (4 pieces required) | |
| | + F-VS + 2 x F-SZ 100MM | | | | |
| | + guide pocket | | | Aluminum composite cutter | |
| | End cap F-EK | 205400 | | up to 8 mm deep | |
| | 2 pieces | | | MF-AF 90° (for 90° V-grooves) | 206076 |
| | Non-slip profile F-HP 6.8M | 204376 | | MF-AF 135° (for 135° V-grooves) | 206600 |
| | 6.8 m (22.3 ft.) long | | | | |
| | Splinter guard F-SS 3.4M | 204375 | | | |
| | 3.4 m (11.2 ft.) long | | | | |
| | Screw clamp F-SZ 100MM | 205399 | | Slotting head MF-SE 3 | 206072 |
| | for fixing guide rail to workpiece, | | | for cutting 3 slots up to 26 mm | |
| | 2 pieces | | | TCT sawblade | 092578 |
| | Suction hose LW 35 | 093717 | | 120 x 1.2/1.8 x 20 mm, TR, 40 teeth, for laminates | |
| | 4 m (13.1 ft) long, anti-static, | | | TCT sawblade | 092560 |
| | for use when machining solid wood | | | 120 x 1.2/1.8 x 20 mm (4 3/4 in.), AT, 12 teeth, for rip cuts in wood | |
| | Kick back stop F-RS | 202867 | | TCT sawblade | 092558 |
| | | | | 120 x 1.2/1.8 x 20 mm (4 3/4 in.), AT, 24 teeth, for universal use in wood | |
| | Roller edge guide MF-UA | 206073 | | TCT sawblade | 092559 |
| | | | | 120 x 1.2/1.8 x 20 mm (4 3/4 in.), FT/TCG, 40 teeth, for fine cuts in wood | |

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-cutter can be operated to a cutting depth of 26 mm (1 in.) on the guide rail and as a plunge-cut saw.

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 |
| Weight | 6.3 kg |
| Universal motor | 230 V/50 Hz |

Delivery specification

| | |
|---|---------------|
| Multi-Cutter MF 26 cc / 400 in carrying case | 917804 |
|---|---------------|

Delivery scope includes

| | |
|--|---------------|
| 1 TCT saw blade | 092558 |
| 120 x 1.2/1.8 x 20 mm (4 3/4 in.), AT, 24 teeth, for universal use in wood | |
| 1 Expanding groove cutter MF-VN 25 | 206074 |
| Cutting width 15.4 - 25 mm (5/8 in. - 1 in.) | |
| 1 Parallel guide fence | 206038 |
| 1 Guide track 400 | 206118 |
| 1 Mains cable 4 m (13.1 ft) | 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 (2.6 ft) long | 204380 | | Cutting width 15,4 – 25 mm | |
| | F 110 , 1.1 m (3.6 ft) long | 204381 | | Reversible TCT knife | 206064 |
| | F 160 , 1.6 m (5.2 ft) long | 204365 | | (4 pieces required) | |
| | F 210 , 2.1 m (6.9 ft) long | 204382 | | Chamfer knives | 201930 |
| | F 310 , 3.1 m (10.2 ft) long | 204383 | | 22 x 22 x 2 mm (4 pieces required) | |
| | Connecting piece F-VS for joining two guide rails | 204363 | | Wallboard cutter MF-GF 45 | 205562 |
| | Angle fence F-WA | 205357 | | for 45° V-grooves up to 12.5 mm deep (incl. 2 position indicators) | |
| | Guide pocket F 160 for guide rails up to 1.6 m | 204626 | | Chamfer knives | 201930 |
| | Guide pocket set: 2 x F 160 + F-VS + 2 x F-SZ 100MM + 1 guide pocket | 204805 | | 22 x 22 x 2 mm (6 pieces required) | |
| | Guide pocket set: F 80 + F 160 + F-WA + F-VS + 2 x F-SZ 100MM + guide pocket | 204749 | | Wallboard cutter MF-GF 90/15 | 206590 |
| | | | | for 90° V-grooves up to 15 mm deep (incl. 2 position indicators) | |
| | End cap F-EK 2 pieces | 205400 | | Reversible TCT knife | 206067 |
| | Non-slip profile F-HP 6.8M 6.8 m (22.3 ft.) long | 204376 | | (2 pieces required) | |
| | Splinter guard F-SS 3.4M 3.4 m (11.2 ft.) long | 204375 | | Chamfer knives | 201930 |
| | Screw clamp F-SZ 100MM for fixing guide rail to workpiece, 2 pieces | 205399 | | 22 x 22 x 2 mm (4 pieces required) | |
| | Suction hose LW 35 4 m (13.1 ft) long, anti-static, for use when machining solid wood | 093717 | | Aluminum composite cutter up to 8 mm deep | |
| | Kick back stop F-RS | 202867 | | MF-AF 90° (for 90° V-grooves) | 206076 |
| | Roller edge guide MF-UA | 206073 | | MF-AF 135° (for 135° V-grooves) | 206600 |
| | Guide track 770 max. tilt range 770 mm (30 5/16 in.) | 204378 | | *(incl. 2 position indicators and 1 chip deflector) | |
| | | | | Slotting head MF-SE 3 for cutting 3 slots up to 26 mm | 206072 |
| | | | | TCT sawblade 120 x 1.2/1.8 x 20 mm, TR, 40 teeth, for laminates | 092578 |
| | | | | TCT sawblade 120 x 1.2/1.8 x 20 mm (4 3/4 in.), AT, 12 teeth, for rip cuts in wood | 092560 |
| | | | | TCT sawblade 120 x 1.2/1.8 x 20 mm (4 3/4 in.), AT, 24 teeth, for universal use in wood | 092558 |
| | | | | TCT sawblade 120 x 1.2/1.8 x 20 mm (4 3/4 in.), FT/TCG, 40 teeth, for fine cuts in wood | 092559 |

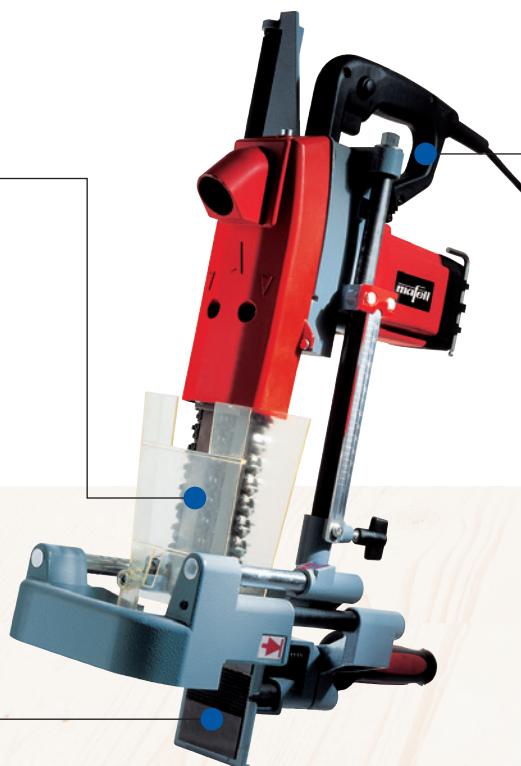
Door Lock Mortiser

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 |
| Weight | 10.6 kg |
| Universal motor | 230 V/50 Hz |

SKS 130

Delivery specification

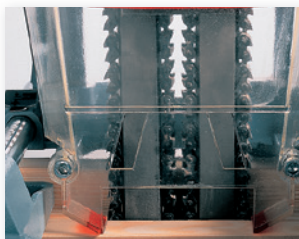
| | |
|--|---------------|
| Door Lock Mortiser SKS 130 with 14 mm chain set | 915502 |
| Door Lock Mortiser SKS 130 with 16 mm chain set | 915501 |
| Door Lock Mortiser SKS 130 with 18 mm chain set | 915503 |

Delivery scope includes

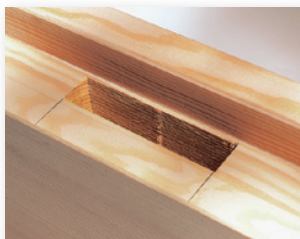
| | |
|------------------------------------|---------------|
| 2 Chain bars | 091000 |
| 2 Mortising chains | 091002 |
| 2 Sprockets | 093278 |
| 1 Allen key 5 mm | 087323 |
| 1 Mains cable 4 m (13.1 ft) | 095000 |
| 1 Carrying case | |

PG A
Price list page 19





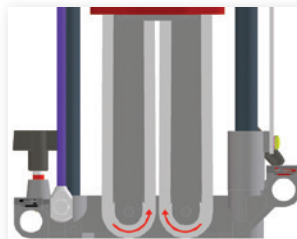
The chain bars are maintenance-free and do not need to be re-greased.



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.

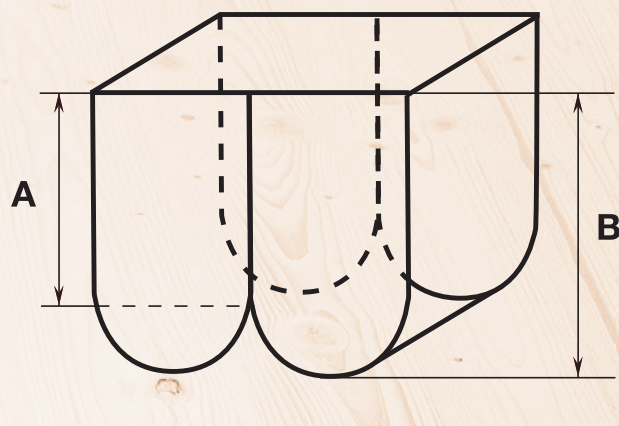


Two special mortising chains in opposite directions ensure tear-free work and optimum chip flow.

Accessories / Tools

| Image | Description | Ref. No. |
|---|---|---|
|  | Chain bars 14 – 18 mm (9/16 - 11/16 in.) | 091000 |
|  | Sprocket 14 – 18 mm (9/16 - 11/16 in.) | 091002 |
|  | Mortising chain 14 x 38 x 150 mm (9/16 x 1 1/2 x 5 7/8 in.) 16 x 38 x 150 mm (5/8 x 1 1/2 x 5 7/8 in.) 18 x 38 x 150 mm (11/16 x 1 1/2 x 5 7/8 in.) | 091003 091001 091004 |
|  | Replacement chain links and rivets 14 mm (9/16 in.) 16 mm (5/8 in.) 18 mm (11/16 in.) | 091005 091006 091007 |

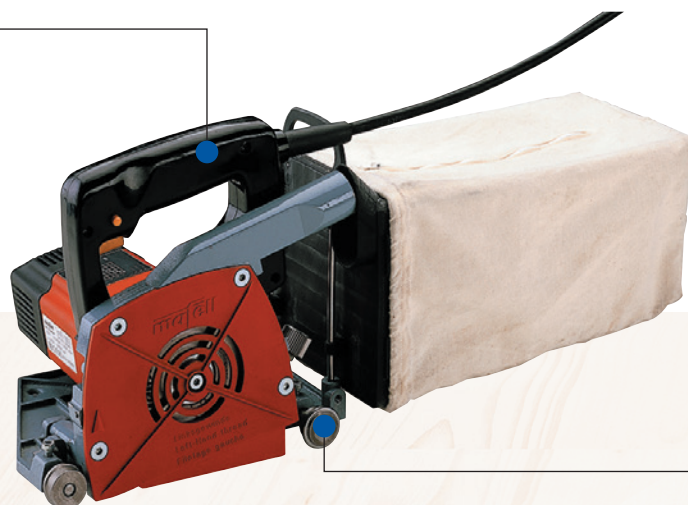
Mortising depth A: 130 mm (5 1/8 in.)
Mortising depth B: 145 mm (5 11/10 in.)



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

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

The 4.9 kg (10.8 lbs) weight and the 10 m (32.8 ft) mains cable give the KFU 1000 E freedom of movement and 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 | 4.9 kg |
| Universal motor | 230 V/50 Hz |

KFU 1000 E

Delivery specification

| | |
|-----------------------------|--------|
| Grooving Machine KFU 1000 E | 951101 |
|-----------------------------|--------|

Delivery scope includes

| | |
|--|---------------|
| 1 Groove-cutting blade | 091794 |
| TCT, elliptical, 120 x 3.6 x 20 mm (4 3/4 x 1/8 x 13/16 in.), 12 teeth | |
| 1 Carrying case | 095034 |
| 1 Allen key 4 mm | 093074 |
| 1 Mains cable (32.8 ft) 10 m | 087604 |

PG E

Price list page 20



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 (4 3/4 x 1/8 x 13/16 in.), 12 teeth | 091794 |
| | Groove-cutting blade elliptical, TCT, 120 x 4.2 x 20 mm (4 3/4 x 3/16 x 13/16 in.), 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
Cutting tool - as standard
Tilt range
Nominal no-load speed
Nominal input
Weight (with standard cutter head)
Universal motor

ZK 115 Ec

0 – 70 mm
150 x 115 mm
0 – 60°
4050 1/min
3000 W
21.1 kg
230 V/50 Hz

Delivery specification

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

925001

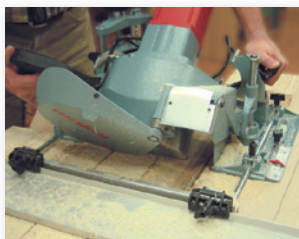
Delivery scope includes

| | |
|--|---------------|
| 1 Skew notch cutter head | 203657 |
| cpl., Ø 150 x 115 mm (5 7/8 x 4 1/2 in.) | |
| 1 Parallel guide fence | 203683 |
| 1 Allen key | 093164 |
| 1 Screw driver | 093274 |
| Torx T 15 | |
| 1 Mains cable 10 m (32.8 ft) | 087612 |

PG B

Price list page 20

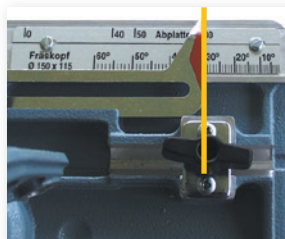




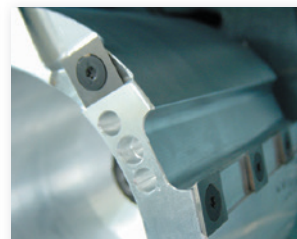
The ZK 115 Ec with the guide rail.



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.

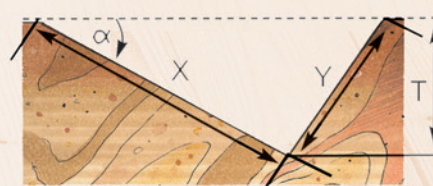


New cutter head with reversible carbide tips for extreme machining rates and optimum chip removal.

Accessories / Tools

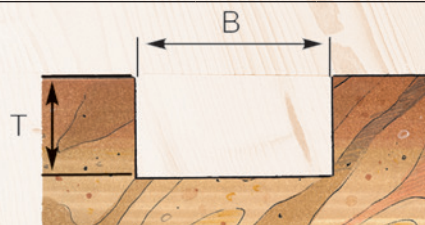
| Image | Description | Ref. No. |
|-------|---|---------------|
| | Guide rail length 3 m (9.8 ft) (2 pieces with connecting piece) | 037037 |
| | Guide rail length 3 m (9.8 ft) (one piece) | 200672 |
| | Guide rail extension 2600 length 1,5 m (4.9 ft) | 036553 |
| | Adapter (pair) for parallel guide fence | 037195 |
| | Skew notch cutter head complete, Ø 150 x 115 mm (5 7/8 x 4 1/2 in.) | 203657 |
| | Reversible TCT knives (13 pieces required) | 201927 |
| | Lap-joint cutter head complete, Ø 236 x 50 mm (9 5/16 x 1 15/16 in.) | 203659 |
| | Reversible TCT knives (16 pieces required) | 201927 |
| | Lap-joint cutter head complete, Ø 190 x 81 mm (7 1/2 x 3 1/8 in.) | 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 (5 7/8 x 2 3/8 in.) | 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

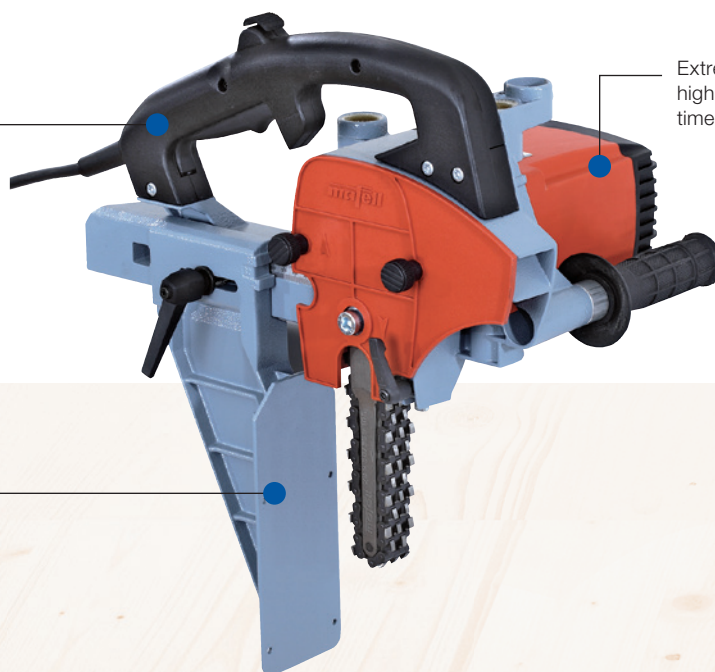


| Ref. No. | 203659 | 091417 | 091415 |
|-----------------------------------|-----------------|-----------------|-----------------|
| Lap joint cutter head (mm) | 236 x 50 | 190 x 81 | 150 x 60 |
| „α“ (°) | 0 | 0 | 0 |
| Depth „T“ (mm) | 70 | 47 | 27 |
| Width „B“ (mm) | 50 | 81 | 60 |

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 | 100/150 mm |
| Nominal no-load speed | 4050 1/min |
| Nominal input | 2500 W |
| Weight | 8.7 kg |
| Universal motor | 230 V / 50 Hz |

LS 103 Ec

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 (32.8 ft) | 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.

PG B

Price list page 20





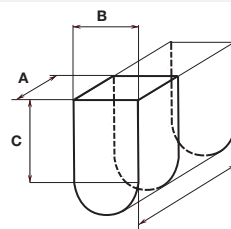
Tenon cuts of various sizes up to 100 mm (3 15/16 in.) with the LS 103 Ec.



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

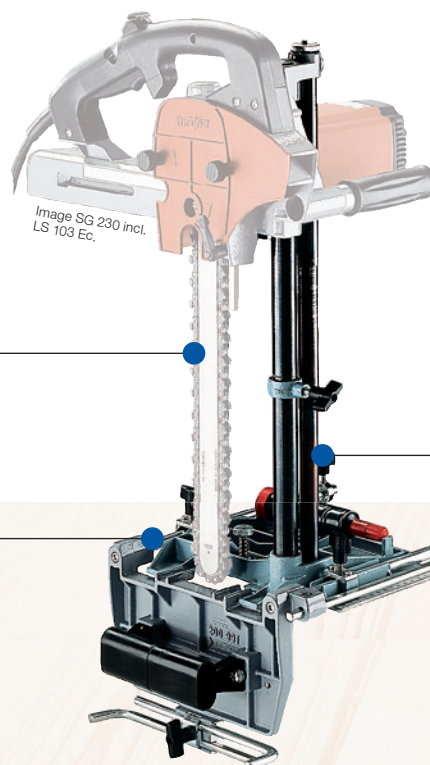
| Image | Description | Ref. No. | Image | Description | Ref. No. |
|-------|---|----------|-------|--|----------|
| | Guide support stand FG 150 for mortising depth to 140 mm | 200980 | | Replacement chain links + rivets 1 bag, for 28 mm (1 1/8 in.) chain width, large pitch | 091279 |
| | Chain bars 28 x 40 x 100 mm (1 1/8 x 1 9/16 x 3 15/16 in.) | 091010 | | | |
| | Chain bars 28 x 40 x 150 mm (1 1/8 x 1 9/16 x 5 7/8 in.) | 091011 | | | |
| | Chain bars 28 x 35 x 100 mm (1 1/8 x 1 3/8 x 3 5/16 in.) | 091012 | | | |
| | Chain bars 28 x 35 x 150 mm (1 1/8 x 1 3/8 x 5 7/8 in.) | 091013 | | | |
| | Mortising chain pitch 22.6, 28 x 35 x 100 mm (1 1/8 x 1 3/8 x 3 5/16 in.) | 091230 | | | |
| | Mortising chain pitch 22.6, 28 x 40 x 150 mm (1 1/8 x 1 9/16 x 5 7/8 in.) | 091234 | | | |
| | Sprocket pitch 22.6, 4 teeth, for set 28 x 35/40 x 100 mm/150 mm (1 1/8 x 1 9/16 x 3 15/16 / 5 7/8 in.) | 091683 | | | |

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.



Robust, torsion free guide support stand – for perfect size slots.

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 |
|----------------------------------|--------|

Delivery scope includes

| | |
|--------------|--------|
| 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.





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.



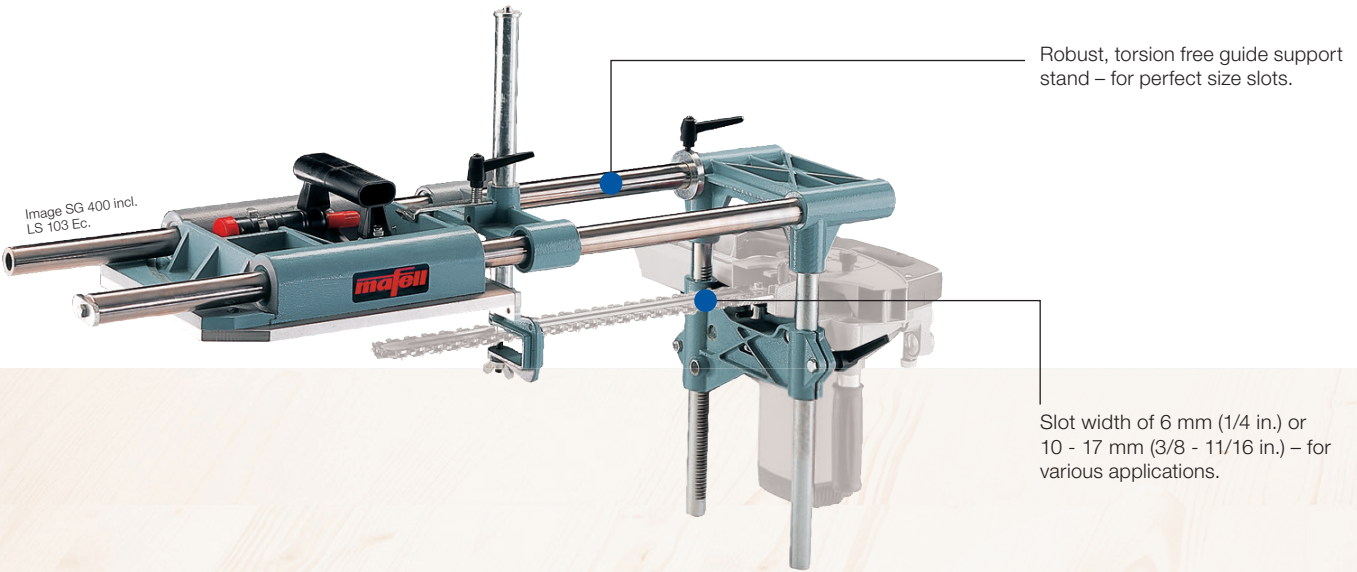
Clearly legible scales facilitate precise adjustment.

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 |
|----------------------------------|--------|

Delivery scope includes

| | |
|--------------|--------|
| 1 Grease gun | 076158 |
|--------------|--------|

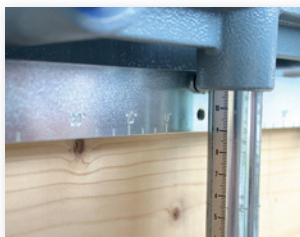
Additional information:

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



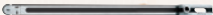
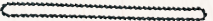

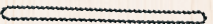
Slot mortising attachments are supplied as standard without a chain set. Please choose the set that meets your needs from our range.

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





Accessories / Tools

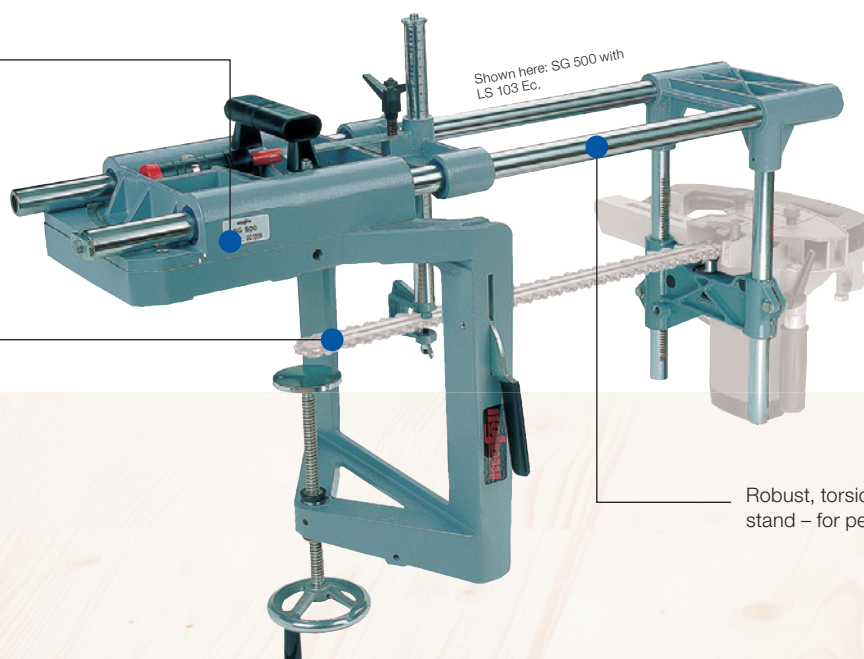
| Image | Description | Ref. No. | Image | Description | Ref. No. |
|---|--|--|---|--|--|
|  | Clamping device Maximum clamping width 300 mm (illustration shows clamping device fitted on SG 400) | 039602 |  | Sprocket for chain sets with 300 / 400 mm mortising depth | |
| | | | | Sprocket for mortising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

Slot Mortising Attachment

SG 500

500 mm (19 11/16 in.)
mortising depth – for large cuts.

Tilt range 45 ° – for various
applications.



Robust, torsion free guide support
stand – for perfect size slots.

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 |

Delivery specification

| | |
|----------------------------------|--------|
| Slot Mortising Attachment SG 500 | 201005 |
|----------------------------------|--------|

Delivery scope includes

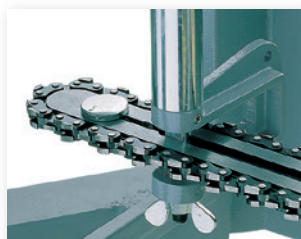
| | |
|--|--------|
| 3 Guide pieces 3, 5, 7 mm (1/8, 3/16, 1/4 in.) | |
| 1 Clamping device | 039602 |
| maximum clamping width 300 mm | |
| 1 Grease gun | 076158 |

Additional information:

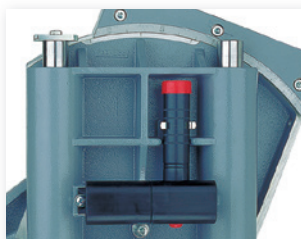
The Chain Mortiser LS 103 Ec is not part of the delivery specification.

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 | | Guide piece | |
| | 14 mm | 091647 |  | 3 mm | 202815 |
| | 15 mm | 091648 | | 5 mm | 202816 |
| | 16 mm | 091649 | | 7 mm | 202817 |
| | 17 mm | 091659 | | 8 mm | 202818 |
| | | | | 9 mm | 202819 |
| | | | | 10 mm | 202820 |
| | | | | 12 mm | 202821 |
| | | | | 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.

Minimal space requirement – the work-piece 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 |

Delivery specification

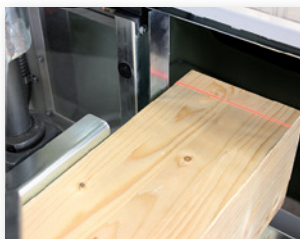
| | |
|------------------------------|---------------|
| Tenoner ZAF 250 Vario | 991201 |
|------------------------------|---------------|

Delivery scope includes

| | |
|---|---------------|
| 1 Cutter head complete with reversible knives | 202105 |
|---|---------------|



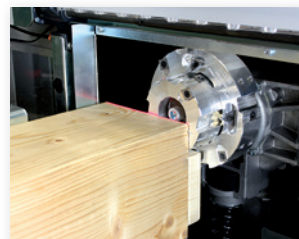
The 3 m (9.8 ft) long support profile with mm scale and length stop allows precise positioning of the workpieces.



Laser technology allows positioning of the workpiece after marking.

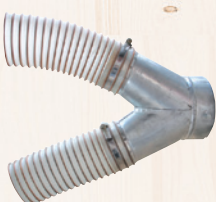




Clear, transparent layout – the controls of the ZAF 250 Vario for automatic or manual operation.



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 (9/16 x 9/16 x 1/16 in.) 18 pieces required | 201927 |
|  | Chamfer knife 22 x 22 x 2 mm (4 pieces required) | 201930 |

Machining examples



- | | |
|--|---|
| 1 Tenon straight, horizontal | 6 Tenon variant extra thin |
| 2 Tenon shouldered | 7 Corner half lap joint |
| 3 Tenon with mitered shoulders | 8 Steel beam joint |
| 4 Tenon variant straight | 9 Triangular notch in rafter for ridgeboard |
| 5 Tenon vertical, angled | 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, chasing in masonry, 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 | Other |
|--------|--------|----------|---------|---------|-----------|-----------------|-------|

Dust Extractors

S 25 M / S 50 M

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

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

The M-class dust extractors are supplied with a handy mounting plate for accommodating a MAFELL-MAX case

Practical hose connector – quick-action/bayonet catch with additional keeper.



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

Whether sawing, drilling or sanding, the innovative MAFELL dust extractors are designed to keep the workplace clean.

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 and S 50 M models are 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

| | S 25 M | S 50 M |
|------------------------|--------------------|--------------------|
| Bin capacity | 25 l | 50 l |
| Bin water capacity | 20 l | 40 l |
| Hose connector | Ø 66/58 mm | Ø 66/58 mm |
| Low air pressure | 248 mbar | 248 mbar |
| Dimensions (B x L x H) | 500 x 405 x 565 mm | 590 x 455 x 645 mm |
| Volume flow rate | 220 m³/h | 220 m³/h |
| Nominal input | 1200 W | 1200 W |
| Weight | 13.2 kg | 19.1 kg |
| Universal motor | 230 V / 50 Hz | 230 V / 50 Hz |

Delivery specification

| | |
|------------------------------|---------------|
| Dust Extractor S 25 M | 919710 |
| Dust Extractor S 50 M | 915901 |

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 Handle (S 50 M) | |
| 1 Non-woven filter bag | |
| S 25 M 21 l useful capacity | |
| S 50 M 45 l useful capacity | |
| 1 Mains cable 8 m (S 25 M) | 176030 |
| 1 Mains cable 8 m (S 50 M) | 078207 |



The T-MAX case containing a power tool can easily be mounted on the S 25 M or S 50 M for transportation.



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



Clean and easy: the hose connector with 35 mm soft cone allows not only MAFELL power tools to be connected simply, but other makes too.



The new type of filter system, which is especially efficient, has been designed specifically for use with power tools.

Accessories / Tools

| Image | Description | Ref. No. |
|-------|--|---------------|
| | Extraction hose 4 m Ø 21 mm with soft cone 35 mm, torsion joint Ø 66 mm bayonet, anti-static | 093679 |
| | 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 4 m Ø 27 mm with soft cone 35 mm, torsion joint Ø 66 mm bayonet, anti-static | 093680 |
| | Extraction hose 2,5 m Ø 49 mm with cone 58 mm, torsion joint Ø 66 mm bayonet, anti-static | 093682 |
| | Hand-held extraction set D 35 | 093718 |
| | T-MAX | 095044 |
| | Fold filter cassette 1 pair, polyester (8600 cm ²) | 093674 |
| | Non-woven filter bag 5 pieces, capacity: 21 liters for S 25 L/S 25 M | 093719 |
| | Non-woven filter bag 5 pieces, capacity: 45 liters for S 50 M | 093722 |
| | Reducing socket 58/35 mm | 203602 |

Recommended use – extraction hoses

Which hose diameter is suitable for which machine?

Hose connector

| Machine type | 21 mm | 27 mm | 35 mm | 49 mm |
|------------------|-------|-----------------|-----------------|-------|
| P1 cc | • | • | | |
| KSS 300 | • | • | | |
| KSS 40 18 M bl | • | • | | |
| KSS 400 | | • | | |
| KSS 400 / 36 V | | • | | |
| KSS 60 cc | | • | | |
| KSS 60 36B | | • | | |
| KSS 80 Ec / 370 | | • | | |
| PSS 3100 SE | | | • | |
| MT 55 cc | | • | | |
| MS 55 | | • | | |
| MS 55 / 36 V | | • | | |
| KSP 40 Flexistem | • | • | | |
| KSP 55 F | | • | | |
| KSP 55 / 36 V | | • | | |
| K 65 cc | | • | | |
| K 85 / K 85 Ec | | • | | |
| MKS 130 Ec | | | | • |
| MKS 145 / 165 Ec | | | | • |
| MKS 185 Ec | | | | • |
| Z 5 Ec | | • | | |
| ERIKA 60 E | | • ¹⁾ | • ¹⁾ | • |
| ERIKA 70 Ec | | • ²⁾ | • ²⁾ | • |
| ERIKA 85 Ec | | • ³⁾ | • ³⁾ | • |
| DD40 | • | • | | |
| UVA 115 E | • | • | | |
| EVA 150 E | • | • | | |
| MHU 82 | | • | • | |
| LNF 20 | | • | | |
| LO 65 Ec | | • | | • |
| NFU 32 | | | | • |
| 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 mm (1 6/16 in.)

Dust Extractors

S 25 L

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.

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



Practical hose connector – quick-action/bayonet catch with additional keeper.

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

Whether sawing, drilling or sanding, the innovative MAFELL dust extractors are designed to keep the workplace clean.

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 | 248 mbar |
| Dimensions (B x L x H) | 425 x 380 x 570 mm |
| Volume flow rate | 220 m³/h |
| Nominal input | 1200 W |
| Weight | 13.2 kg |
| Universal motor | 230 V/ 50 Hz |

S 25 L

Delivery specification

| | |
|-----------------------|--------|
| Dust Extractor S 25 L | 919715 |
|-----------------------|--------|

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 (8600 cm²) | 093674 |
| 1 Non-woven filter bag 21 l useful capacity | |
| 1 Mains cable 8 m | 078207 |





The new type of filter system, which is especially efficient, has been designed specifically for use with power tools.



Clean and easy: the hose connector with 35 mm soft cone allows not only MAFELL power tools to be connected simply, but other makes too.



Made of a special plastic, the 25l tank is extremely resilient and durable. It also resists corrosion and all customary acids and alkalis.



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

Hose connector

| Image | Description | Ref. No. |
|-------|--|---------------|
| | Extraction hose 4 m Ø 21 mm with soft cone 35 mm, torsion joint Ø 66 mm bayonet, anti-static | 093679 |
| | 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 4 m Ø 27 mm with soft cone 35 mm, torsion joint Ø 66 mm bayonet, anti-static | 093680 |
| | Extraction hose 2,5 m Ø 49 mm with cone 58 mm, torsion joint Ø 66 mm bayonet, anti-static | 093682 |
| | Hand-held extraction set D 35 | 093718 |
| | Fold filter cassette 1 pair, polyester (8600 cm ²) | 093674 |
| | Non-woven filter bag 5 pieces, capacity: 21 liters for S 25/S 25 M | 093719 |
| | Reducing socket 58/35 mm | 203602 |

| Machine type | 21 mm | 27 mm | 35 mm | 49 mm |
|------------------|-------|-----------------|-----------------|-------|
| P1 cc | • | • | | |
| KSS 300 | • | • | | |
| KSS 40 18 M bl | • | • | | |
| KSS 400 | | • | | |
| KSS 400 / 36 V | | • | | |
| KSS 60 cc | | • | | |
| KSS 60 36B | | • | | |
| KSS 80 Ec / 370 | | • | | |
| PSS 3100 SE | | | • | |
| MT 55 cc | | • | | |
| MS 55 | | • | | |
| MS 55 / 36 V | | • | | |
| KSP 40 Flexistem | • | • | | |
| KSP 55 F | | • | | |
| KSP 55 / 36 V | | • | | |
| K 65 cc | | • | | |
| K 85 / K 85 Ec | | • | | |
| MKS 130 Ec | | | | • |
| MKS 145 / 165 Ec | | | | • |
| MKS 185 Ec | | | | • |
| Z 5 Ec | | • | | |
| ERIKA 60 E | | • ¹⁾ | • ¹⁾ | • |
| ERIKA 70 Ec | | • ²⁾ | • ²⁾ | • |
| ERIKA 85 Ec | | • ³⁾ | • ³⁾ | • |
| DD40 | • | • | | |
| UVA 115 E | • | • | | |
| EVA 150 E | • | • | | |
| MHU 82 | | • | • | |
| LNF 20 | | • | | |
| LO 65 Ec | | • | | • |
| NFU 32 | | | | • |
| 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 mm (1 6/16 in.)

Recommended use – extraction hoses

Which hose diameter is suitable for which machine?

Dust Extractors

S 35 M

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.

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.



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 all-new S 35 M combines outstanding suction performance with great ease of use. 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 | 248 mbar |
| Dimensions (B x L x H) | 500 x 405 x 570 mm |
| Volume flow rate | 220 m³/h |
| Nominal input | 1400 W |
| Weight | 15 kg |
| Universal motor | 230 V / 50 Hz |

S 35 M

Delivery specification

| | |
|-----------------------|--------|
| Dust Extractor S 35 M | 919701 |
|-----------------------|--------|

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 | 093720 |
| 1 pair, polyester nano-coated (8600 cm²) | |
| 1 PE dust bag FB 35 | |
| 1 Mains cable 8 m | 176030 |





The low center of gravity, wide chassis and two large wheels together with locking casters offer good mobility and stability.



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.



Made of a special plastic, the 35l tank is extremely resilient and durable. It also resists corrosion and all customary acids and alkalis.

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 4 m Ø 27 mm with soft cone 35 mm, torsion joint Ø 66 mm bayonet, anti-static | 093680 |
| | Extraction hose 2,5 m Ø 49 mm with cone 58 mm, torsion joint Ø 66 mm bayonet, anti-static | 093682 |
| | Hand-held extraction set D 35 | 093718 |
| | Fold filter cassette 1 pair, polyester (8600 cm ²) | 093674 |
| | Fold filter cassette 1 pair, polyester nano-coated (8600 cm ²) | 093720 |
| | Non-woven filter bag 5 pieces, capacity: 25 liters for S 35 M | 093719 |
| | PE dust bag 5 pieces, capacity: 21 liters for S 35 M | 093721 |
| | Reducing socket 58/35 mm | 203602 |

Recommended use – extraction hoses
Which hose diameter is suitable for which machine?

Hose connector

| Machine type | 21 mm | 27 mm | 35 mm | 49 mm |
|------------------|-------|-----------------|-----------------|-------|
| P1 cc | • | • | | |
| KSS 300 | • | • | | |
| KSS 40 18 M bl | • | • | | |
| KSS 400 | | • | | |
| KSS 400 / 36 V | | • | | |
| KSS 60 cc | | • | | |
| KSS 60 36B | | • | | |
| KSS 80 Ec / 370 | | • | | |
| PSS 3100 SE | | | • | |
| MT 55 cc | | • | | |
| MS 55 | | • | | |
| MS 55 / 36 V | | • | | |
| KSP 40 Flexistem | • | • | | |
| KSP 55 F | | • | | |
| KSP 55 / 36 V | | • | | |
| K 65 cc | | • | | |
| K 85 / K 85 Ec | | • | | |
| MKS 130 Ec | | | | • |
| MKS 145 / 165 Ec | | | | • |
| MKS 185 Ec | | | | • |
| Z 5 Ec | | • | | |
| ERIKA 60 E | | • ¹⁾ | • ¹⁾ | • |
| ERIKA 70 Ec | | • ²⁾ | • ²⁾ | • |
| ERIKA 85 Ec | | • ³⁾ | • ³⁾ | • |
| DD40 | • | • | | |
| UVA 115 E | • | • | | |
| EVA 150 E | • | • | | |
| MHU 82 | | • | • | |
| LNF 20 | | • | | |
| LO 65 Ec | | • | | • |
| NFU 32 | | | | • |
| 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 mm (1 6/16 in.)

| Other | Dust Extraction | Mortising | Planing | Sanding | Drilling | Sawing | MAFELL |
|-------|--------------------|-----------|---------|---------|----------|--------|--------|
|-------|--------------------|-----------|---------|---------|----------|--------|--------|

Terms of business

1. General

1.1 These terms are valid for all export orders. Individual contractual covenants take precedence, but the customer's terms of business are valid only if expressly confirmed by us in writing.

2. Offers

2.1 Our offers and cost estimates are not binding and do not become effective until the order is confirmed by us in writing.

2.2 The documents that belong to the offer, including illustrations, drawings and information on weights and dimensions, are only approximately accurate unless expressly declared binding. We retain ownership of and the copyright to cost estimates, drawings and other documents; they must not be placed at the disposal of third parties.

3. Delivery

3.1 Our written order confirmation is binding as regards the scope of supply. Accessories that belong to the delivery scope are stated in our sales documents and/or offers. Variations owing to model changes are reserved.

3.2 Goods that we are not obliged to take back can be returned only with our express consent. Returns must always be made postage paid and shall be subject to a charge of EUR 20.00 for processing and storage. The customer reserves the right to prove lower costs. We exclude the return of electrical/electronic components.

3.3 The goods supplied by us can be exported directly or indirectly only with our written approval. In case this stipulation is infringed, we are entitled to claim compensation.

4. Delivery period

4.1 The delivery period starts when the order confirmation is sent, but not before all documents, permits and releases to be procured by the customer are furnished and not before an agreed advance has been paid. If non-compliance with time limits is attributable to force majeure, such as mobilization, war, unrest or similar occurrence, such as strikes or lockouts, the delivery period shall be extended accordingly.

4.2 Claims for compensation because of late delivery are excluded.

5. Risk transfer

5.1 The risk is transferred to the customer when the goods are dispatched by us even in case of part deliveries or if we have undertaken other performances, such as cost of carriage or transportation.

5.2 If delivery is postponed by circumstances for which the customer is responsible, the risk is transferred to the customer on the day the goods are ready for dispatch.

5.3 Part deliveries are allowed.

6. Prices and payment

6.1 The valid prices are those that apply on the day of dispatch plus statutory value added tax.

6.2 In case of deliveries of small quantity and/or value, unless the small quantity or value is attributable to a part delivery, a minimum charge of EUR 10.00 plus value added tax shall be made. It is therefore recommended to place orders for goods whose value is at least equivalent to this amount.

6.3 As a general rule the prices are ex works or store. Different price arrangements are subject to special notification or express agreement.

6.4 If a payment extension is granted or if payments are made later than agreed, we can charge interest in the amount of 4.0% above the valid discount rate of the European Bank (EZB) for the interim period without putting the customer in default. The customer reserves the right to prove a lower loss.

6.5 We reserve the right to stipulate cash on delivery.

7. Terms of payment

7.1 Our receivables are payable in euros within 30 days of the invoice date net or as agreed. Deliveries to overseas countries will be effected against irrevocable and confirmed letter of credit only, to be established in our favor with Dresdner Bank AG, Freudenstadt. Invoices for repair charges are payable net immediately. The payment period ends when the money is at our disposal with one of our banks. A cash discount can be deducted only if no prior receivables are due for payment.

7.2 Bills and checks are accepted only in place of performance; the cost of discounting and collection shall be borne by the customer. Payment by bill has to be agreed in advance.

7.3 In case of a material deterioration in the customer's financial situation, all outstanding receivables shall fall due for payment immediately.

8. Retention of title

8.1 We reserve title to all delivered goods until all our existing and future claims arising from the business relationship, irrespective of their cause in law, are settled in full. Insofar as the value of all our security interest exceeds the amount of all secured claims by more than 20%, we shall release an amount of the security interest as appears just at the customer's request.

8.2 The customer can sell the goods to which title is retained only if title is once again retained and only in the course of regular business. This right lapses in case the customer suspends payments. The customer now assigns to us all its claims and ancillary rights arising from the resale. The assigned claims serve to secure all claims according to 8.1. The customer has the right to collect the assigned claims until we revoke this entitlement. The customer is not entitled otherwise to dispose of the claim, such as by assignment. The collection right lapses, even if not expressly revoked, if the customer suspends payments. If the collection right lapses or is revoked, we are entitled ourselves to collect the claims. The customer undertakes to furnish us with all the information required to collect the assigned claim. He also undertakes at his own expense to issue us with documents certified by a notary public relating to the assignment of the claims.

8.3 Pledging the delivered goods, or securing a debt by a lien thereon subject to retention of title, is not allowed. The party delivering must be notified immediately in case of seizure by a third party.

8.4 If the customer culpably infringes material contractual obligations, in particular in case of late payment, we are entitled to take back the goods after due notice, and the customer is obliged to surrender the goods. Taking back the goods or invoking the retention of title or our seizure of the goods to which title was retained shall not be deemed withdrawal from the contract save as expressly declared by us.

9. Offset

9.1 The customer is entitled to offset against our payment claims only if the counter-claims are not disputed or non-appealable. He can assert a pledge or right of retention only if the underlying claim is not disputed or non-appealable.

9.2 We are entitled to offset our own claims against payables due to the customer.

10. Warranty and liability for defects in delivered goods or absence of assured properties

10.1 We reserve the right to remedy defective deliveries by repair or exchange. All parts or performances whose usefulness is materially impaired within 12 months - irrespective of the period of operation - calculated from the date of risk transfer as a consequence of a circumstance existing before the transfer of risk shall be repaired free of charge or exchanged by new delivery or performance.

10.2 Warranty claims become statute barred after notification to us and after the legal fixed warranty period. The notification must be made in writing without delay.

10.3 If we have been notified of a defect, the customer can withhold a reasonable amount of payment according to the extent of the defect. If the contract belongs to the business of his commercial enterprise, the customer can withhold payments only if a defect is being asserted whose justification is indisputable.

10.4 We must be granted reasonable time and opportunity to remedy defects. In case of refusal, we shall be accordingly exempted from the warranty.

10.5 If we allow a reasonable period of grace granted us to expire without remedying the defect, the customer can demand that the contract be reversed (rescission) or the consideration reduced (reduction of purchase price).

10.6 The warranty does not cover natural wear and tear or damage occurring after the transfer of risk and caused by incorrect or negligent treatment, overloading or unsuitable operating media or which occurs because of external influences not anticipated by the contract, and it does not cover non-reproducible software faults. If the customer or third parties have made modifications or executed repairs improperly, these and the consequences arising therefrom shall be excluded from the warranty.

10.7 For repairs, exchange deliveries or substitute performance the legal fixed warranty period is valid. It shall run at least until the original warranty period for the delivery item expires. It shall be extended for parts that cannot usefully be operated because of the interruption by the duration of interrupted operation caused by the repair, exchange delivery or substitute performance.

10.8 Goods on which work covered by warranty is to be performed must be returned postage paid. Repaired goods shall be sent back postage unpaid.

10.9 If performance supposed to be under warranty reveals that the damage is not covered by our warranty, the costs incurred shall be borne by the customer.

10.10 We are not obliged to eliminate defects insofar as the customer does not fulfill his payment obligations.

10.11 The time limits stated in 10.1, 10.2 and 10.7 are invalid insofar as the law pursuant to § 638 BGB (German Civil Code) prescribes longer periods.

10.12 Further warranty claims of the customer against us and those employed by us in the performance of our obligations are excluded, whereby item 11 (other liability) remains unaffected.

11. Other liability

Claims for compensation by the customer are excluded irrespective of their cause in law, in particular claims arising from positive breach of obligation, the infringement of obligations during contractual negotiations and tort. This does not apply insofar as, for example, liability is mandatory according to product liability law or in cases of intent, gross negligence, the absence of assured properties or the infringement of material contractual obligations. Compensation for the infringement of material contractual obligations is restricted, however, to typical and foreseeable loss except in case of intent

or gross negligence. A change in the burden of proof to the prejudice of the customer is not associated with the preceding provisions.

12. Our right of withdrawal

12.1 If we learn after concluding the delivery contract that the customer is in financial difficulty, we can demand security for the counter-performance or withdraw from the contract and charge for incurred expenses.

12.2 We are also entitled to withdraw from the contract wholly or in part, observing reasonable notice, if we are or a supplier is affected by unforeseen events in the meaning of clause 4.1 or if it is subsequently revealed that the contract cannot be fulfilled.

12.3 The customer cannot assert claims for compensation because of such withdrawal.

13. Place of performance and venue

13.1 The place of performance shall be 78727 Oberndorf a.N..

13.2 The venue shall be Oberndorf Local Court and/or Rottweil Regional Court.

13.3 The contractual relationship and its interpretation shall be governed exclusively by German law, ousting the United Nations Convention on Contracts for the International Sale of Goods.

14. Validity

The remainder of the contract remains valid even if individual provisions are legally invalid. This does not apply if sustaining the contract would impose an unreasonable burden on one of the parties.

11/2008



Here at MAFELL, we often adopt a new approach in our quest to develop better machines. We take a fresh look and reconsider the crucial aspects of the tool concerned. And we always give due consideration to the future needs of the woodworking trades.

Time and again, together with outstanding material and build quality, our strategy spawns astounding solutions. We thus continuously enhance functionality and user-friendliness, for example. We strive to ensure that, while you are working, you no longer need to give the tool a second thought. Simply because MAFELL has already done the thinking for you. You focus on your job – and as far as everything else is concerned:

Follow your instinct.

Your MAFELL authorized dealer:

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MAFELL AG · P. O. Box 1180 · 78720 Oberndorf a.N. · Germany · Phone +49 7423 812-114
Fax +49 7423 812-102 · E-Mail export@mafell.de · www.mafell.com