Cross-Cutting System
KSS 80 Ec / 370

NEW

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.





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

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	KSS 80 Ec / 370
Cutting depth	0 - 82 mm
Cutting depth at 45°	0 - 55,5 mm
Cutting depth at 60°	0 - 38,5 mm
Tilt range	0 - 60°
Nominal no-load speed	2250 - 4400 1/min
Nominal input	2300 W
Weight	8,8 kg
Universal-motor	230 V / 50 Hz
Cutting speed	25 - 41 m/s

Conversion table for inches, pounds, horsepower please find on page 132.

Delivery specification

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

Delivery scope includes:

1	**TCT saw blade** 237 x 1,8/2,5 x 30 mm (9 5 /16 in.), AT, 12 teeth	**092590**
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**

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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 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**

Accessories / Tools

Image	Description	Ref. No.
	**Parallel guide fence K 85-PA**	**205323**
	**Roller edge guide K 85-UA**	**205166**
	**TCT saw blade** 237 x 1,8/2,5 x 30 mm (9 5/16 in.), AT, 12 teeth	**092590**
	**TCT saw blade** 237 x 1,8/2,5 x 30 mm (9 5/16 in.), AT, 24 teeth	**092591**
	**TCT saw blade** 237 x 1,8/2,5 x 30 mm (9 5/16 in.), AT, 56 teeth	**092592**

Detailed information about our products

www.mafell.com