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uniquefastexacteconomical

DD 40 P PowerMAX Duo-Dowel System	Ref. No.	916010
DD 40 G MaxiMAX Duo-Dowel System	Ref. No.	916002
DD 40 G MidiMAX Duo-Dowel System	Ref. No.	916001

Technical data	DD 40 P	DD 40 G
Drilling depth	0 – 40 mm (1 9/16 in.)	0 – 37 mm (1 7/16 in.)
Drill spacing	32 mm (1 ¼ in.)	32 mm (1 ¼ in.)
Swivel range	0 – 90°	0 – 90°
Nominal no-load speed	13,500 rpm	18,500 rpm
Tool diameter	6 – 16 mm (1/4 – 5/8 in.)	3 – 12 mm (1/8 – ½ in.)
Nominal power consumption	1000 W (1.3 hp)	700 W (0.9 hp)
Weight	2.9 kg (6.4 lbs)	2.8 kg (6.2 lbs)

Delivery specification	Dimensions	Qty.	Ref. No.	Power	Maxi	Midi
MAFELL-MAX carrying case		1		x	x	x
MAFELL system dowels	6 x 30 mm	350	802000		x	
MAFELL system dowels	8 x 30 mm	200	802010	x	x	x
MAFELL system dowels	10 x 40 mm	100	802020	x	x	
MAFELL system dowels	12 x 60 mm	40	802030	x		
MAFELL dowel drill bit, carbide-tipped	6 mm (1/4 in.)	2	090096		x	
MAFELL dowel drill bit, carbide-tipped	8 mm (5/16 in.)	2	090097	x	x	x
MAFELL dowel drill bit, carbide-tipped	10 mm (6/16 in.)	2	090098	x	x	
MAFELL dowel drill bit, carbide-tipped	12 mm (1/4 in.)	2	090099	x		
Anti-clip mat		2	095063	x	x	x
Glue bottle		1		x	x	x
Dowel nozzle Ø 8 mm (5/16 in.)		1		x	x	
Hex screwdriver with handle		1		x	x	x
Auxiliary stop (assortment)		1	203473	x	x	x

Optional accessories / tools	Dimesions	Qty.	Ref.No.
MAFELL dowel template, with quick-action clamp	800 mm (31 ½ in.)		203980
MAFELL dowel template extension	1600 mm (63 in.)		203434
Screw clamp*		1	093281
Screw clamp with stop*		1	093280
MAFELL dowel drill bit, carbide-tipped	3mm	1	090083
MAFELL dowel drill bit, carbide-tipped	5 mm	1	090089
MAFELL dowel drill bit, carbide-tipped	6 mm	1	090096
MAFELL dowel drill bit, carbide-tipped	8 mm	1	090097
MAFELL dowel drill bit, carbide-tipped	10 mm	1	090098
MAFELL dowel drill bit, carbide-tipped	12 mm	1	090099
MAFELL dowel drill bit, carbide-tipped	16 mm	1	090085
MAFELL system dowels	6 x 30 mm **	6 x 350	802000
MAFELL system dowels	8 x 30 mm **	6 x 200	802010
MAFELL system dowels	8 x 40 mm **	6 x 120	802011
MAFELL system dowels	10 x 40 mm **	6 x 100	802020
MAFELL system dowels	10 x 60 mm	6 x 50	802021
MAFELL system dowels	12 x 60 mm	6 x 40	802030
MAFELL system dowels	16 x 75 mm	6 x 30	802040
Anti-slip mat		2	095063

Your MAFELL authorized dealer:



DD40 P PowerMAX
DD40 G MaxiMAX
DD40 G MidiMAX



Subject to design modifications and changes to delivery scope in the interests of progress · 07/06 · Printed in Germany

The DD40 duo-doweler – world first for fast dowel joints.

Joints made with the DD40 G / DD40 P are strong and positive.

Both butt and miter corner joints can be executed with ease and precision.

Auxiliary stops facilitate the fast and accurate machining of small workpieces as well.

You can drill straight into the workpiece with the DD40, even without a stop or dowel template, simply by referring to center lines.

The DD40 P PowerMAX is particularly suitable for drilling large holes, e.g. in staircase construction.

Carcasses are quick and economical to make with the DD40 G / DD40 P and quick-fastening dowel template.



Other systems reveal their limitations sooner or later.

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 highly convenient, portable machine that uses economical standard dowels, DD40 joining technology offers maximum precision, fast and efficient working and absolute torsional strength.

When accurate joints are needed, we adopt a zero tolerance approach.

Unlike other joining systems that employ tenon shaped dowels or biscuits and are subject to substantial tolerances in the slot, MAFELL's proven dual hole technology offers a perfect fit and maximum rigidity. The work is fastened exactly by the dowels, so that clamping is much simpler and quicker, or it can be omitted altogether.

A complete system.

Mafell's DD40 System is an inclusive product package, comprising the PowerMAX, MaxiMAX or MidiMAX machine in a MAFELL-MAX case, wooden dowels, a glue bottle, anti-slip mats and drill bits as standard. With miter joints or narrow workpieces, the edge spacing can be increased or decreased by means of auxiliary stops. For drilling rows of holes, exact spacing is ensured by our dowel template or auxiliary stops.

Packed with power.

The DD40 P PowerMAX is the most powerful variant of the MAFELL Duo-Dowel System. With an impressive 1000 Watt output, it allows holes even as large as 16 mm to be cut quickly, and is capable of producing highly stressed joints such as those found in conservatories, staircase construction and all kinds of door frames.



The practical benefits of the DD40.



Rows of holes can be drilled quickly and accurately with the aid of the auxiliary stops, even in furniture that has already been assembled.



Comparison of applications:

Unlike similar systems from rival manufacturers, the MAFELL DD40 System excels in view of its versatility and wide range of uses – in the workshop and during assembly.

	Dual hole technology	Tenon shaped dowels	Bis-cuits
Rows of holes	•	–	–
Frame construction/joints	•	•	•
Carcass joints	•	•	•
Staircase construction	•	•*	–
Shelves	•	•	•
Attaching hardware	•	–	–

Yes • No – *Limited use only



Joints made with markings.

Typical examples include stair strings, newel posts, banisters and chair rungs.

It couldn't be simpler:

Correctly position the two workpieces and mark the dowel position on both. First drill workpiece A with the help of the marking pointer, followed by workpiece B. Insert the dowels – it's a good fit, job done!

Joints made with the dowel template.

Typical applications include rows of holes and edge-to-edge or miter joints in carcasses of wardrobes, shelves, chests of drawers, sideboards etc..

It couldn't be simpler:

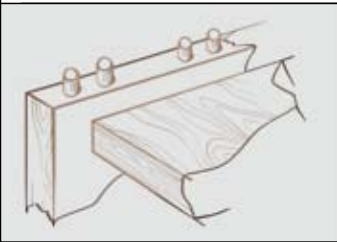
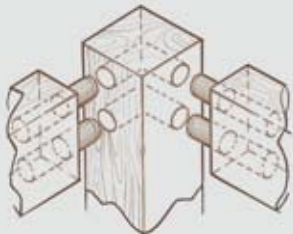
Align the dowel template with workpiece A and secure with the quick-action clamp. Drill the holes at the set spacing in workpiece A. Using the same stop setting, repeat the procedure on workpiece B. Insert the dowels – it's a perfect fit, job done!

Joints using retractable stop pins.

Typical examples include frame, stand and carcass joints either butt or miter, e.g. for tables, chairs, cabinets, beds, drawers and doors.

It couldn't be simpler:

Push workpiece A against the left stop pin and drill. Push workpiece B against the right stop pin and drill. Insert the dowels – it's a good fit, job done!



Overview of features.

Easy to use.

The DD40 sits neatly in your hand. The on/off switch is ergonomically positioned for left and right-handers.

Pure power.

The DD40 P motor delivers a powerful 1000 W and the DD40 G has a highly capable 700 W motor.

MAFELL system dowels.

You can use the duo-doweler in conjunction with conventional wooden dowels in the diameter range from 6 to 16 mm. The compatibility with standard dowels makes procurement for this machine much more economical than other systems.

6 x 30 mm

8 x 30 mm / 8 x 40 mm

10 x 40 mm / 10 x 60 mm

12 x 60 mm

16 x 75 mm

16 x 75 mm

16 x 75 mm

16 x 75 mm

16 x 75 mm

Material thickness setting.

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

Special accessories/tools:

Comprehensive and flexible: rows of holes, door frames, corner joints and much more special drill bits from 6 to 16 mm with the DD40 P, and from 3 to 12 mm with the DD40 G, open up a wide range of applications.



Practical and ingenious:

Available as a special accessory, the dowel template with quick-action clamp and incremented, adjustable stop system helps to save time, typically when assembling carcasses, drilling rows of holes and making shelves.



Precise fence system.

The tilting fence is located and fastened on both sides.



Continuously adjustable.

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



Near-edge drilling.

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



DD40 system solution.

All you need for doweling – the DD40 is supplied with dowels, drill bits, anti-slip mats and auxiliary stops in the practical MAFELL-MAX carrying case.

