

Unique!

FESTOOL
DF 500 Q
MADE IN GERMANY

DOMINO

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FESTOOL

At last a system that
joins everything.

More versatile, more stable, faster:
the new *DOMINO* jointing system.



No Compromises!



Every system has its advantages ...

Round dowels. The traditional solution for frames and racks.

Round dowels are among some of the most important jointing elements used in furniture assembly. However, because round dowels do not allow for misalignment, exact positioning is usually required with bench-mounted or semi-stationary machines.

Biscuit dowels. A standard feature on boards for decades.

Biscuit dowels are positioned on the scribe line, usually using handheld machines. Because biscuit dowels are shorter than the routed grooves, a slight offset does not pose a problem when the dowel is inserted as the joint can be moved. However, this does require additional alignment when gluing.



... but one system has them all.

The *DOMINO* jointing system.
An essential component in wooden jointing.

More versatile: suitable both for panel joints and jointing frames and racks.

More stable: the special shape and large surface area for gluing on the DOMINO dowel ensure maximum stability.

Quicker: the first dowel hole is aligned with extreme ease and routed accurately using stop pins. It secures the joined workpieces immediately, accurately and flush with the edge.

The DOMINO system also tolerates smaller inaccuracies in adjacent dowel holes, allowing you to work even more quickly and easily.

The *DOMINO* jointing system. At last a system that joins everyt

As solid as a mortise and tenon joint, but more variable a the

DOMINO is a new unique jointing system. The system consists of the DOMINO dowel jointer, recently developed by Festool, and a loose spigot in the shape of the oval DOMINO dowel.

The DOMINO jointing system is suitable both for panel joints and frame and rack joints. The simple placement of the DOMINO dowel allows for economical production of individual parts and small batches, for chairs, tables and shelving, etc.

Allowing you to work both quickly and precisely.



DOMINO dowels bear the Pan European Forest Council (PEFC) quality seal for wood products originating from sustainable, well-maintained, responsible forest cultivation.

A perfect fit.

Thanks to an accurately-routed long hole and special DOMINO groove geometry.



100% rotation-proof.

Right from the first DOMINO dowel.



Maximum stability.

Thanks to the shape of the DOMINO dowel, designed with expanding glue slots and side grooves.

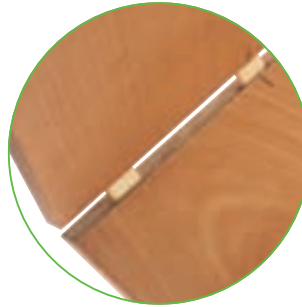


These are only a few example applications where the DOMINO jointing system can be used to make your work more versatile, more stable and quicker.



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nd quicker:
DOMINO dowel.



Panel joints.
 Quick, solid joints, no alignment required when gluing.



Frame joints.
 Insertion of several DOMINO dowels provides maximum stability for heavily loaded frame components.



Rack joints.
 Suitable for workpieces with dimensions greater than 15 x 22 mm.

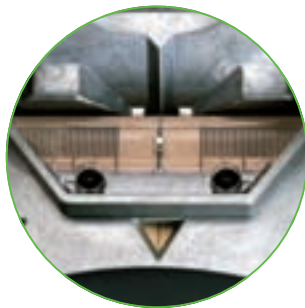


As unique as the whole system:

the *DOMINO* dowel jointer

The *DOMINO* jointing system combines exceptional versatility with simple handling and maximum precision. The *DOMINO* dowel jointer demonstrates this in every detail.

The patented routing principle, excellent ergonomics and a wide range of adjustment options make it extremely easy for you to manufacture solid joints, even in extremely complex applications.



Correct position.

Precise positioning and accurate routing with the viewing window.



Mitre routing.

Catch positions at 0°, 22.5°, 45°, 67.5° and 90° as well as infinitely variable routing angles from 0 to 90°.



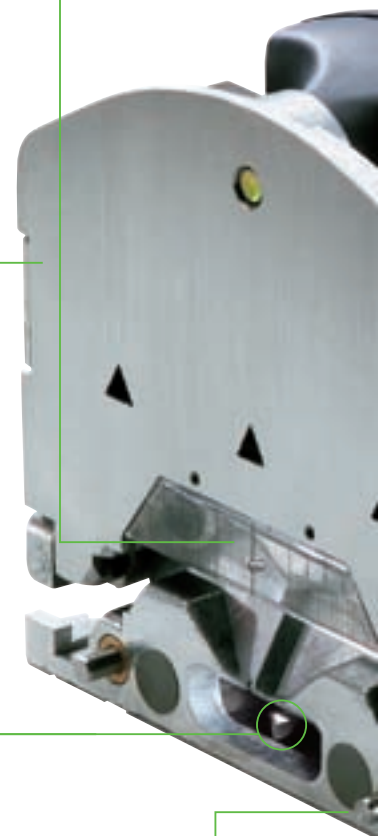
Patented routing principle.

Route long holes in an instant thanks to the simultaneous turning and oscillating movement. No kickbacks.



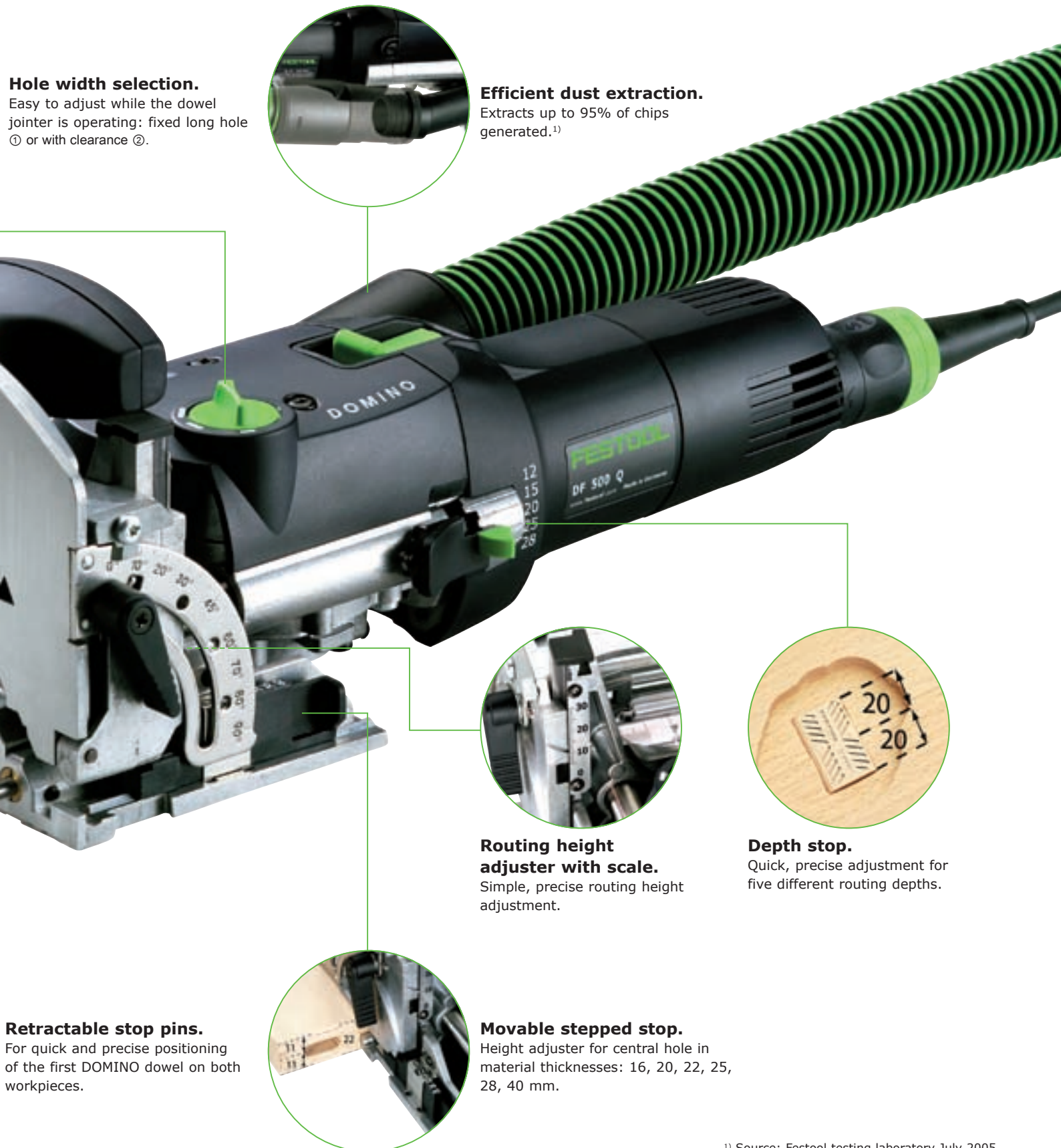
Refined technology.

High-quality, robust inner mechanism for consistently accurate routing results.



er.

DF 500.



Hole width selection.
Easy to adjust while the dowel jointer is operating: fixed long hole ① or with clearance ②.

Efficient dust extraction.
Extracts up to 95% of chips generated.¹⁾

Routing height adjuster with scale.
Simple, precise routing height adjustment.

Depth stop.
Quick, precise adjustment for five different routing depths.

Movable stepped stop.
Height adjuster for central hole in material thicknesses: 16, 20, 22, 25, 28, 40 mm.

Retractable stop pins.
For quick and precise positioning of the first DOMINO dowel on both workpieces.

¹⁾ Source: Festool testing laboratory July 2005.

The *DOMINO* jointing system. At last a system that joins everyt

More versatile, more stable, faster.

An overview of advantages of the *DOMINO* jointing

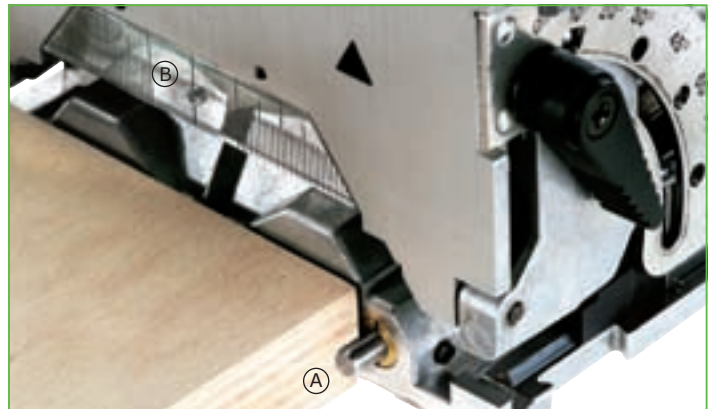
Pendulum principle



No other machine routes like the *DOMINO* dowel jointer.

The routing movement of the *DOMINO* dowel jointer is unique among hand-held machines. A special feature of the jointer is the simultaneous turning and oscillating movement of the routing tool – a patented principle that up to now has only been available on expensive stationary machines. This feature guarantees kickback-free, safe work and accurately routed long holes. The width of the long holes can be changed simply by adjusting the dowel jointer while in operation.

Precision



Quick, accurate work.

For example, with panel joints:

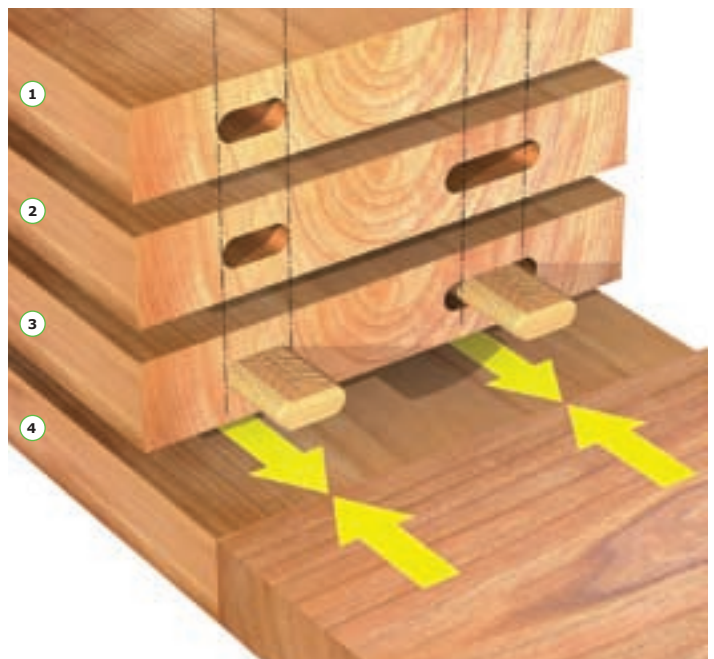
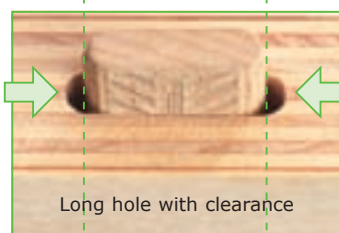
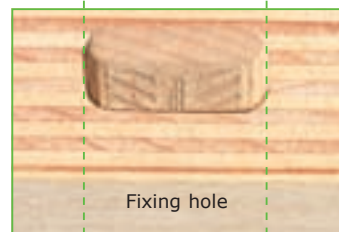
- ① Route fixing holes accurately using the stop pins Ⓐ on the *DOMINO* dowel jointer.
- ② Route all adjacent long holes with clearance on the scribe line via the viewing window Ⓑ. The wider routed hole compensates for any inaccuracies that may occur when the dowel jointer is positioned on the workpiece.
- ③ Insert the *DOMINO* dowel.
- ④ Assemble the workpieces for gluing. No further alignment is required.

When gluing the workpiece, the *DOMINO* dowel inserted in the fixing hole aligns the workpiece with the edge. The joint fits perfectly – it's as simple as that.

Switch position



Hole width



Both variable and precise: quick readjustment of the routing width during work for greater flexibility.

system.

Stability

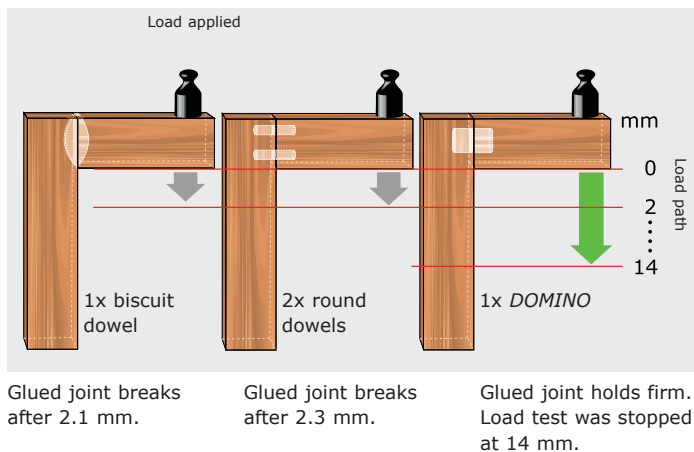


Maximum joint stability.

The oval DOMINO shape has a large gluing area and guarantees maximum stability. The DOMINO is as stable as a tongue-and-groove joint, only much quicker to manufacture and more variable, especially in frame and rack assembly.

Load test: oak corner joint.

Conventional solutions versus the *DOMINO*



Source: Festool testing laboratory July 2005.

DOMINO dowel sizes

Combina possible rou

5 x 30



15 15

20 12

6 x 40



20

15 2

8 x 40



20

15 2

8 x 50



25

10 x 50



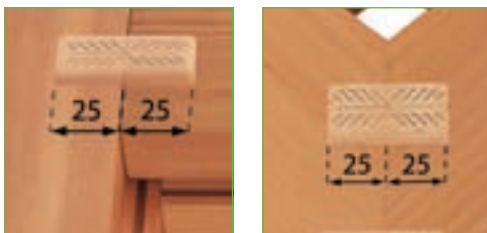
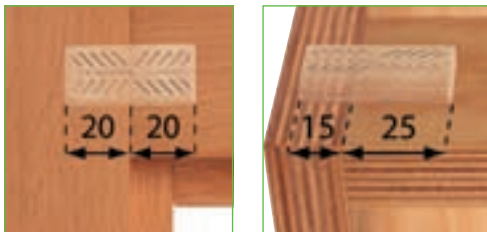
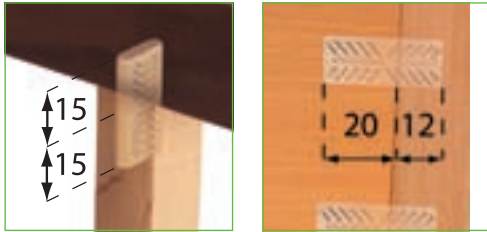
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The right *DOMINO* dowel for every application.

The *DOMINO* dowel is available in 5 sizes for a wide range of applications and material thicknesses. The depth stop on the *DOMINO* dowel joiner allows you to route pairs of holes so that

ation of
ting depths

Routing depths



DOMINO assortment



Always the right DOMINO dowel to hand.

Whether in the workshop or at the assembly location – all sizes of DOMINO dowel are clearly arranged and easy to find in the DOMINO assortment Systainer. The complete jointer bit assortment is also included in the scope of delivery. DOMINO dowels and cutters are easy to recognise because of the colour code on the packaging.



DOMINO top-up packs each contain DOMINO dowels in one size. The contents of the pack are divided into six plastic bags. One bag fits perfectly into the compartments in an assortment Systainer.

the DOMINO dowel can be accommodated either centrally or offset.

hing.

system.

Handling



Routing as never before. Business as usual.

The DOMINO dowel jointer makes your work easier. You do not need spend time becoming accustomed to the machine if you have been previously working with a round or biscuit dowel jointer. With an ergonomic shape and easy to use controls, you can start using the DOMINO dowel jointer immediately – whether mitering or working in a horizontal or vertical position.



Accessories



Effective accessories that make your work easier.

For example, aligning narrow wooden strips perfectly in preparation for routing – no problem with the trim stop. The stop allows you to centrally position and secure strip material with widths of 22 mm and above quickly and reliably. The stop can also be used for mitre routing.



Accessories

Trim stop.

For strip material with widths between 22 and 70 mm.



Accessories

Cross stop.

Repeat hole spacing between 100 mm and 205 mm can be transferred without marking scribe lines on the workpiece.



Scope of delivery

Support bracket.

Expands the contact surface and makes the jointer even more secure when resting on edges.

DOMINO.

The jointing system where everything fits perfectly.



Applications

- Furniture manufacture
- Shopfitting/Interior fitting
- Window construction
- Exhibition stand construction
- For frame and rack joints
- For panel joints

Features

- One system for all panel, frame and rack joints
- Patented routing principle unique to handheld machines for accurate work with no kickbacks
- Stops that are quick and easy to adjust, for accurate results
- Rotation-proof joint with DOMINO dowels providing maximum stability
- 5 dowel sizes for different material thicknesses and applications
- Efficient extraction of up to 95% of chips generated

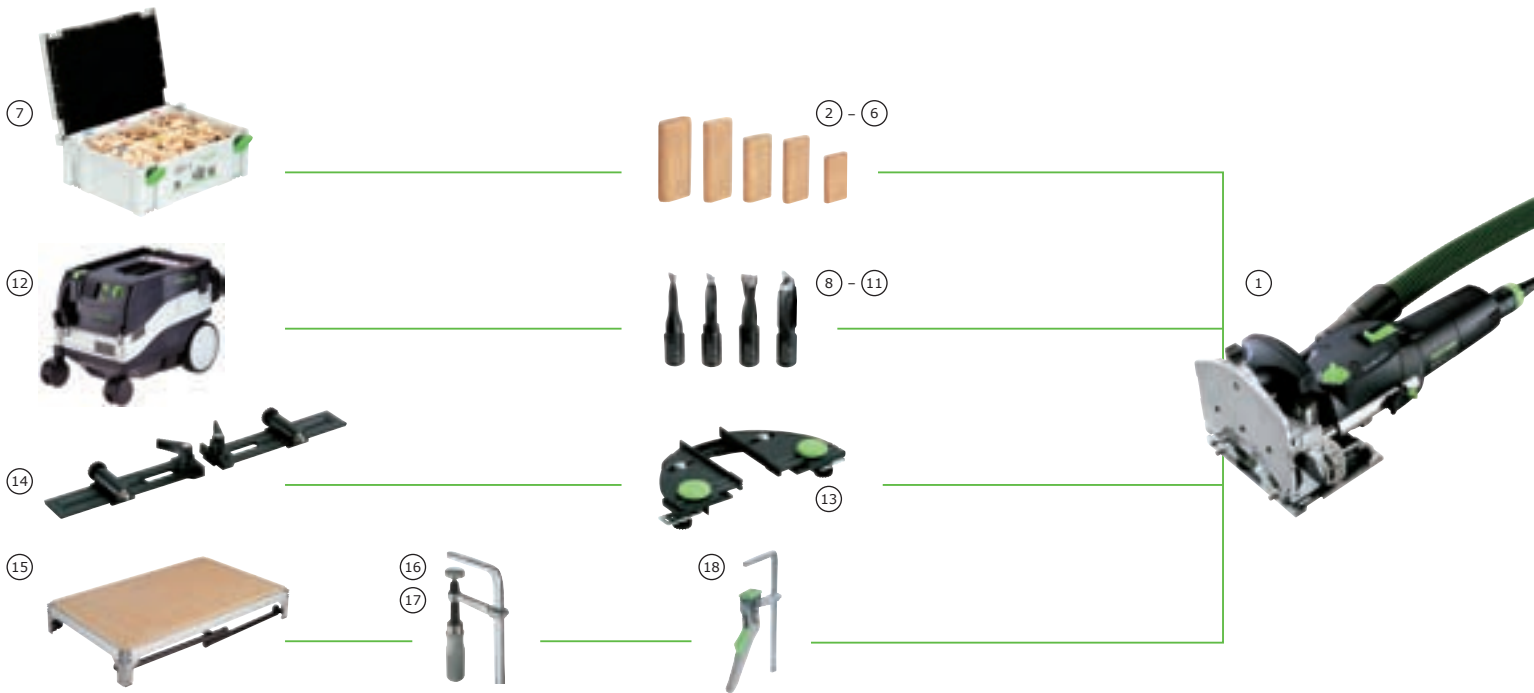
Technical data

Power consumption	420 W
Cutter spindle speed	24300 rpm
Routing depth stop	12, 15, 20, 25, 28 mm
DOMINO slot cutter dia.	5, 6, 8, 10 mm
Routing height adjuster with scale	5–30 mm
Movable stepped stop	16, 20, 22, 25, 28, 36, 40 mm
Mitre routing	0–90° stop positions at 0°, 22.5°, 45°, 67.5°, 90°
Dust extractor connection diameter	27 mm
Weight	3.2 kg

DOMINO Interactive Product Tour on CD-ROM












With the Interactive Product Tour, you can experience all of the possibilities and advantages of the DOMINO jointing systems: applications, product features and accessories. Pictures, films and texts immerse you in the world of the DOMINO system, whenever you have the time and whenever you feel like it. You can obtain the application CD ROM free of charge by requesting it on the Festool Homepage, from your specialist dealer or sending off the enclosed postcard.



DOMINO dowel jointer DF 500

Model	Equipment/Scope of delivery	Order no.
① DF 500 Q-Plus	DOMINO dowel jointer DF 500, DOMINO cutter D 5, support bracket, operating tool, SYSTAINER size 2	574228

System accessories

Product	Explanation/Dimensions	Qty. in pack/Pcs	Order no.
② DOMINO dowel	 5 x 30 mm	1800 (6 x 300)	493296
③ DOMINO dowel	 6 x 40 mm	1140 (6 x 190)	493297
④ DOMINO dowel	 8 x 40 mm	780 (6 x 130)	493298
⑤ DOMINO dowel	 8 x 50 mm	600 (6 x 100)	493299
⑥ DOMINO dowel	 D 10 x 50 mm	510 (6 x 85)	493300
⑦ DOMINO assortment Systainer	DOMINO dowel assortment consisting of 5 x 30, 6 x 40, 8 x 40, 8 x 50, 10 x 50 mm DOMINO cutters D 5, 6, 8, 10 mm, SYSTAINER size 2	1105 (600,190,130,100,85) One of each	493301
⑧ DOMINO cutter	 D 5-NL20HW-DF500	1	493490
⑨ DOMINO cutter	 D 6-NL28HW-DF500	1	493491
⑩ DOMINO cutter	 D 8-NL28HW-DF500	1	493492
⑪ DOMINO cutter	 D 10-NL28HW-DF500	1	493493
⑫ Mobile dust extractor CTM 22 E	Tested as per EN 60335/IEC 355 standard with approval for dust category M	1	583302
⑬ Trim stop	LA-DF 500 for strip material between 22 and 70 mm in width	1	493487
⑭ Cross stop	QA-DF 500 for repeat hole spacing between 100 and 205 mm	1	493488
⑮ Multifunction table MFT 1080	Table with perforated board and foldaway legs, swivel unit, support unit, angle stop, stop flag	1	490888
⑯ Clamps FSZ 120	Solid steel, clamping range 120 mm	2	489570
⑰ Clamps FSZ 300	Solid steel, clamping range 300 mm	2	489571
⑱ Lever clamp FS-HZ 160	Solid steel, clamping range 160 mm	1	491594