Drilling station BST 650 S



ref.no.: 961216

EAN: 4032689155920

- With stop system thanks to parallel fence (see special accessories)

Technical data

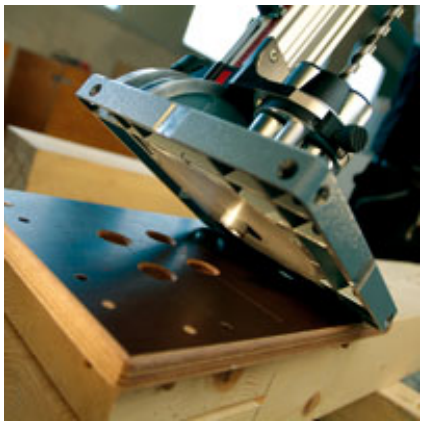
Max. tool diameter at 0°	5 1/8 Inch
Max. tool diameter at 45°	3 15/16 Inch
Drill guide clamping range	5/16 - 1 3/16 Inch
Tilting adjustment, both sides	45 °
Collar diameter	1 11/16 Inch
Max. drill length	25 9/16 Inch
Max. drilling depth	17 15/16 Inch
Weight	11.9 lbs

MAFELL AG · Beffendorfer Straße 4 · 78727 Oberndorf a. N. · Germany
Telefon +49 7423 / 812-0 · Fax +49 7423 / 812-218 · E-Mail mafell@mafell.de · **www.mafell.de**

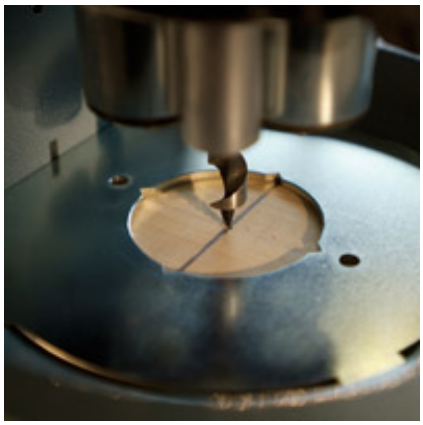
Examples for usage



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



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 S models can be precisely set to +/- 45°.

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Applications

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

Advantages

- 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.
- 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 +/- 45° 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.

Description

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

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

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

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Accessories / Tools



Parallel guide fence
with face edge stop



Copying insert
24,8 / 18 mm



Drilling machine retainer
Ø 57 mm



Special drill bit for copying insert for BST 650 S, BST 460 S, BST 460, BST 320
Ø 25 mm, total length 320 mm, for creating individual drilling templates

Lewis auger bit with hexagonal shank
Ø 10 mm (3/8 in.), total length 650 mm (25 9/16 in.)

Lewis auger bit with hexagonal shank
Ø 12 mm (1/2 in.), total length 650 mm (25 9/16 in.)

Lewis auger bit with hexagonal shank
Ø 14 mm (9/16 in.), total length 650 mm (25 9/16 in.)

Lewis auger bit with hexagonal shank
Ø 16 mm (5/8 in.), total length 650 mm (25 9/16 in.)

Lewis auger bit with hexagonal shank
Ø 18 mm (11/16 in.), total length 650 mm (25 9/16 in.)

Lewis auger bit with hexagonal shank
Ø 20 mm (13/16 in.), total length 650 mm (25 9/16 in.)

Lewis auger bit with hexagonal shank
Ø 22 mm (7/8 in.), total length 650 mm (25 9/16 in.)

Lewis auger bit with hexagonal shank
Ø 24 mm (15/16 in.), total length 650 mm (25 9/16 in.)

Lewis auger bit with hexagonal shank
Ø 26 mm (1 in.), total length 650 mm (25 9/16 in.)

Lewis auger bit with hexagonal shank
Ø 28 mm (1 1/8 in.), total length 650 mm (25 9/16 in.)

Lewis auger bit with hexagonal shank
Ø 30 mm (1 3/16 in.), total length 650 mm (25 9/16 in.)

Lewis auger bit with hexagonal shank
Ø 8 mm (5/16 in.), total length 460 mm 18 1/8 in.)

Lewis auger bit with hexagonal shank
Ø 10 mm (3/8 in.), total length 460 mm (18 1/8 in.)

Lewis auger bit with hexagonal shank
Ø 12 mm (1/2 in.), total length 460 mm (18 1/8 in.)

Lewis auger bit with hexagonal shank
Ø 14 mm (9/16 in.), total length 460 mm (18 1/8 in.)

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Lewis auger bit with hexagonal shank
Ø 26 mm (1 in.), total length 460 mm (18 1/8 in.)

Lewis auger bit with hexagonal shank
Ø 28 mm (1 1/8 in.), total length 460 mm (18 1/8 in.)

Lewis auger bit with hexagonal shank
Ø 30 mm (1 3/16 in.), total length 460 mm (18 1/8 in.)

Lewis auger bit with hexagonal shank
Ø 6 mm (1/4 in.), total length 320 mm (18 1/8 in.)

Lewis auger bit with hexagonal shank
Ø 7 mm (1/4 in.), total length 320 mm (18 1/8

Lewis auger bit with hexagonal shank
Ø 8 mm (5/16 in.), total length 320 mm (18 1/8

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Lewis auger bit with hexagonal shank
Ø 9 mm (3/8 in.), total length 320 mm (18 1/8 in.)

Lewis auger bit with hexagonal shank
Ø 10 mm (3/8 in.), total length 320 mm (18 1/8 in.)

Lewis auger bit with hexagonal shank
Ø 12 mm (1/2 in.), total length 320 mm (18 1/8 in.)

Lewis auger bit with hexagonal shank
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Lewis auger bit with hexagonal shank
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Lewis auger bit with hexagonal shank
Ø 30 mm (1 3/16 in.), total length 320 mm (18 1/8 in.)



Case with auger bits 650
5 pieces Lewis auger bits Ø 12, 14, 16, 18, 20 mm

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contact

MAFELL AG

Beffendorfer Straße 4
D-78727 Oberndorf / Neckar
Germany

Tel.: +49 7423 / 812-114
Fax: +49 7423 812-102
Email: export@mafell.de