Brass fixing MS

The brass expansion fixing with metric thread

Protective wall panels

Small shelves

Applications

- Cellar shelves
- Substructures made of wood and metal
- Boilers
- Aggregates
- Control boxes
- Curtain rails

Advantages

- The compact design of the brass fixing reduces the amount of drilling required, helping to ensure a fast installation.
- The special surface structure of the MS prevents the fixing from rotating in the drill hole. This provides increased installation safety.
- The internal thread allows for the use of standard metric screws or threaded rods, and for surface flush removal and reuse of the fixing point. This provides great flexibility.

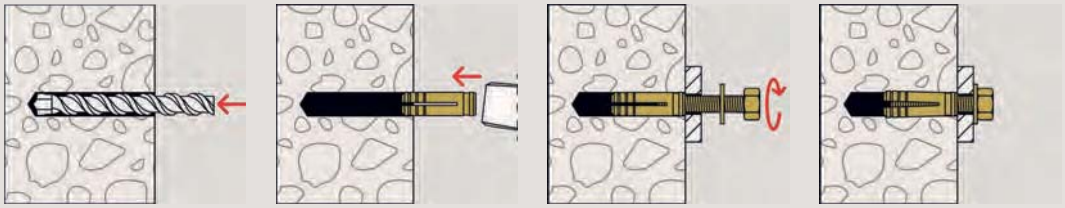
Building materials

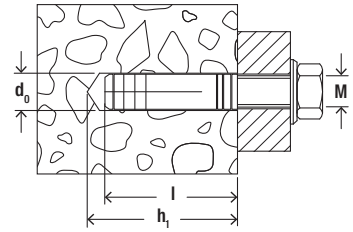
- Concrete
- Solid sand-lime brick
- Natural stone with dense structure
- Solid brick

Functioning

- The MS brass fixing is suitable for pre-positioned installation.
- Turning in the metric screw causes the front part of the brass fixing to expand, thus securely anchoring it in the substrate.
- Calculating screw length for flush fixing installation: Fixing length + fixture thickness = min. screw length.
- Suitable for metric screws and threaded bolts.

Installation MS





Technical data

Brass fixing MS

MS for metric screws

Item	Item No.	Drill hole diameter d_0 [mm]	Min. drill hole depth h_1 [mm]	Anchor length l [mm]	Thread Ø x length [mm]	Min. bolt penetration $l_{E,min}$ [mm]	Sales unit [pcs]
MS 4 x 15	**026424**	5	20	15	M 4	15	100
MS 5 x 18	**026425**	6	25	18	M 5	18	100
MS 6 x 22	**078660**	8	27	22	M 6	22	100
MS 8 x 28	**078981**	10	35	28	M 8	28	50
MS 10 x 32	**078661**	12	39	32	M 10	32	25
MS 12 x 37	**078662**	15	46	37	M 12	37	10
MS 16 x 43	**078663**	20	50	43	M 16	43	10

Loads

Brass fixing MS

Highest recommended loads[1] for a single anchor.
The given loads are valid for metric screws with the specified thread size.

Type			MS 4 x 15	MS 5 x 18	MS 6 x 22	MS 8 x 28	MS 10 x 32	MS 12 x 37	MS 16 x 43
Thread size			**M 4**	**M 5**	**M 6**	**M 8**	**M 10**	**M 12**	**M 16**
Recommended loads in the respective base material F_{rec}[2]									
Concrete	≥ C20/25	**[kN]**	0.25	0.40	0.65	1.10	1.60	2.20	3.30
Solid brick	≥ Mz 12	**[kN]**	0.20	0.35	0.55	0.90	1.30	1.60	2.30

[1] Required safety factors are considered.
[2] Valid for tensile load, shear load and oblique load under any angle.