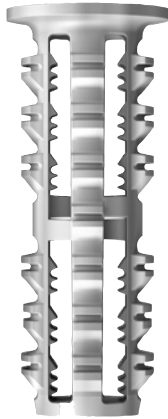
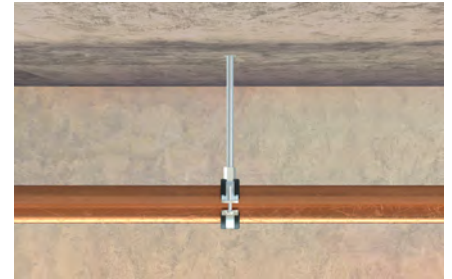


Threaded rod plug RodForce FGD

The economicalammerset plug – easy and quick fixing of threaded rods.



Suspended ceilings



Single pipe suspension

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Applications

- Suspension for individual pipes
- Plumbing and heating fixings
- Cable and pipe clips
- Ceiling lights
- Consoles
- Mounting rails

Advantages

- The innovative plug geometry allows quick and easy installation of the threaded rod with a few hammer blows.
- The short plug length prevents reinforcement hits and guarantees a secure utilization in reinforced concrete.
- The teeth inside the plug allow standard, metric threads to be held: This saves a large assortment of stud screws.
- Installation without special tools: The only thing needed to set the plug is a hammer.

Visible edge of the plug serves as visual setting check and guarantees correct setting.

- The visible edge of the plug serves as visual setting check and guarantees correct setting.
- Easy to check and adjust: To check the setting depth, the closed plug tip is used as a stop point. This predetermined break point also allows the threaded rod to be hammered-in deeper.

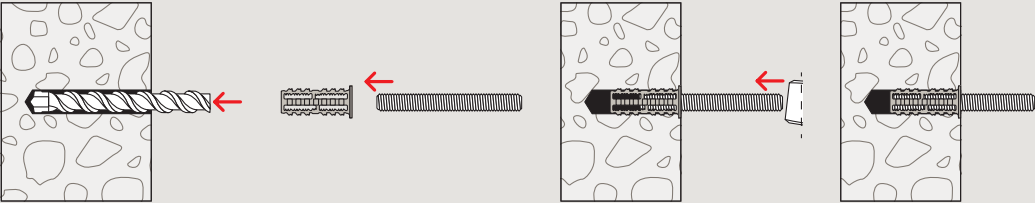
Building materials

- Concrete
- Solid sand-lime brick
- Solid brick

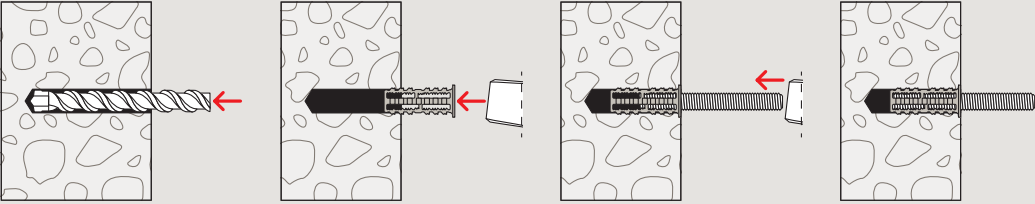
Functioning

- When hammering-in the threaded rod, the plug expands in four directions as a result of the conical inner geometry.
- The plug is set using pre-positioned installation and this is possible in two different ways: Pre-installation of the threaded rods in the plug with both being hammered into the wall together or pre-inserting of the RodForce into the drill hole followed by hammering-in of the threaded rod.
- The teeth inside the plug mechanically interlock the metric thread securely with the threaded rod.
- The unique elements on the outside of the plug brace against the wall of the drill hole.

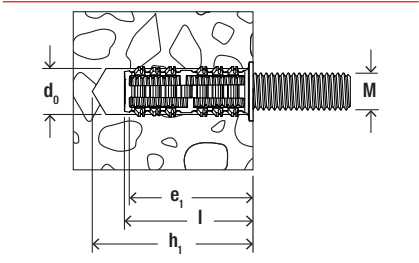
Installation within the system





Installation with individual components



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Technical data

Threaded rod plug RodForce FGD							
							
RodForce FGD		RodForce FGD TR					
Item	Item no.	Drill diameter d_0 [mm]	Min. drill hole depth h_1 [mm]	Anchor length l [mm]	Min. drop-in penetration e_1 [mm]	Threaded rod $\varnothing \times \text{length}$ [mm]	Sales unit [pcs]
RodForce FGD 10 M6	542106	10	40	35	33	–	50
RodForce FGD 12 M8	542111	12	40	35	33	–	50
RodForce FGD 10 M6 TR 80	542109	10	40	35	33	M6 x 80	25
RodForce FGD 10 M6 TR 50	542107	10	40	35	33	M6 x 50	25
RodForce FGD 10 M6 TR 60	542108	10	40	35	33	M6 x 60	25
RodForce FGD 12 M8 TR 50	542112	12	40	35	33	M8 x 50	25
RodForce FGD 12 M8 TR 60	542113	12	40	35	33	M8 x 60	25
RodForce FGD 12 M8 TR 80	542114	12	40	35	33	M8 x 60	25

Loads

Threaded rod plug RodForce FGD

Recommended loads¹⁾ for a single anchor.

The given loads are valid for machine screws or threaded rods with the specified thread size.

Type		RodForce FGD M6	RodForce FGD M8
Thread size		M6	M8
Recommended loads in the respective base material F_{rec} ²⁾			
Concrete	≥ C20/25	[kN] 0.31	0.36
Solid brick	≥ Mz 12	[kN] 0.31	0.36
Solid sand-lime brick	≥ KS 12	[kN] 0.19	0.33

¹⁾ Required safety factors are considered.

²⁾ Valid for tensile load, shear load and oblique load under any angle.