



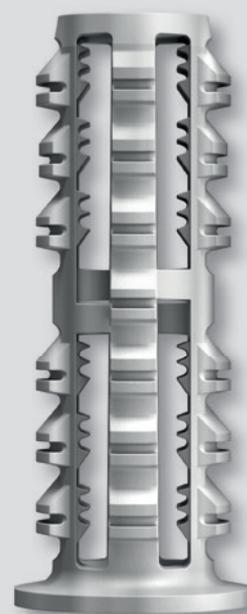
fischer

threaded rod plug

RODFORCE FGD

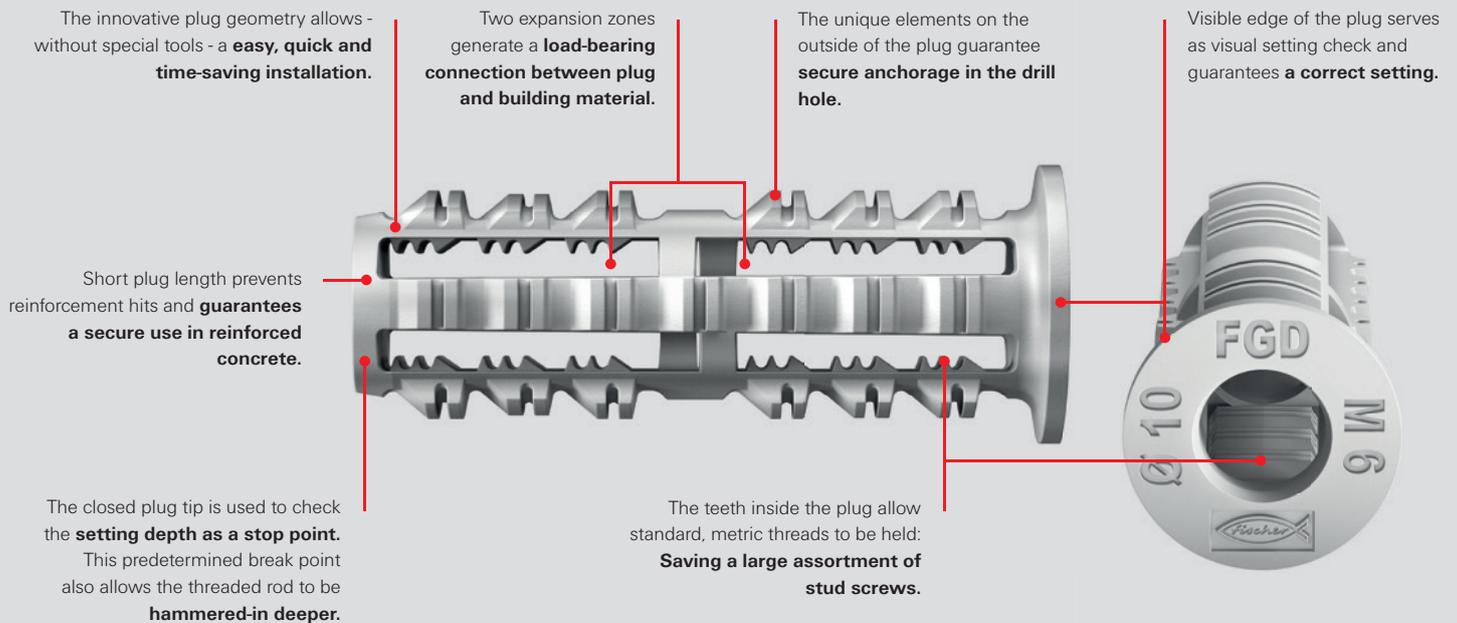
NEW

The economical hammerset plug -
easy and quick fixing of threaded rods



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Easy and quick fixing of threaded rods



Function

- When hammering-in the threaded rod, the plug expands in four directions as a result of the conical inner geometry.
- The plug is set in pre-positioned installation. This can be done 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 in the plug mechanically interlock securely with the metric thread of the threaded rod.
- The unique elements on the outside of the plug brace against the wall of the drill hole.

Your advantages at a glance

- 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 tool needed to set the plug is a hammer.
- The visible edge of the plug serves as a visual setting check and guarantees the correct setting as well as extra safety.
- 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.

Function



■ In reinforced concrete



■ In full-masonry

Recommendation

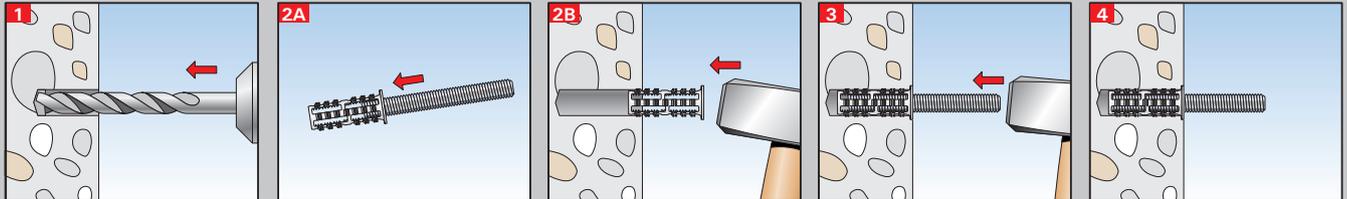


- Suitable for the following building materials:
 - Concrete
 - Sand-lime solid brick
 - Solid brick

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The economical hammer-set plug in its application with assortment and loads

Installation within the system (2A) and installation with individual components (2B)



Applications



Single pipe suspension



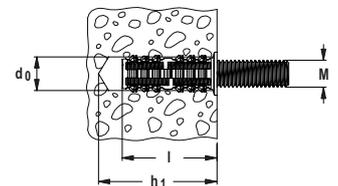
Heating and plumbing installation



Suspended ceilings



Fixing of pipe clamps



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Item	Art.-No.	Nominal drill hole diameter d_0 [mm]	Min. drill hole depth at pre-positioned installation h_2 [mm]	Plug length l [mm]	Min. drop-in penetration e_1 [mm]	Threaded rod- \emptyset [mm]	Sales unit [pcs]
FGD 10 M6	542106	10	40	35	33	-	50
FGD 10 M6 TR 50	542107	10	40	35	33	M6 x 50	25
FGD 10 M6 TR 60	542108	10	40	35	33	M6 x 60	25
FGD 10 M6 TR 80	542109	10	40	35	33	M6 x 80	25
FGD 12 M8	542111	12	40	35	33	-	50
FGD 12 M8 TR 50	542112	12	40	35	33	M8 x 50	25
FGD 12 M8 TR 60	542113	12	40	35	33	M8 x 60	25
FGD 12 M8 TR 80	542114	12	40	35	33	M8 x 80	25

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Highest recommended loads ¹⁾ of an single anchor.

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

Type			FGD 10 M6	FGD 12 M8
Thread size		[M]	M6	M8
Recommended load in the respective building material $F_{rec.}$ ²⁾				
Concrete	C20/25	[kN]	0.31	0.36
Solid sand-lime brick	KS 12	[kN]	0.31	0.36
Solid brick	MZ 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.

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The design and information software suite



- The modular design program includes engineering software and application modules.
- The software is based on international design standards (ETAG 001 and EC2, such as EC1, EC3 and EC5), including the national application documents. All common force and measurement units are available.
- Incorrect input will be recognized and the software gives tips to get a correct result. This ensures a safe and reliable design every time.
- The graphical display can easily be rotated through 360°, panned, tilted or zoomed as required.
- The 3D display gives a detailed and realistic image.
- The "live update" feature helps to keep the program up to date ensuring you are always working with the latest version.
- Free download and updates at www.fischer.de/fixperience-en

Our service to you



We are available to you at any time as a reliable partner to offer technical support and advice:

- Our products range from chemical resin systems to steel anchors through to nylon anchors.
- Competence and innovation through own research, development and production.
- Global presence and active sales service in over 100 countries.
- Qualified technical consulting for economical and compliant fastening solutions. Also on-site at the construction site if requested.
- Training sessions, some with accreditation, at your premises or at the fischer ACADEMY.
- Design and construction software for demanding applications.

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