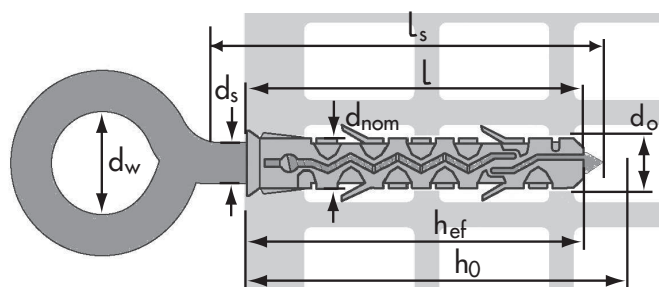
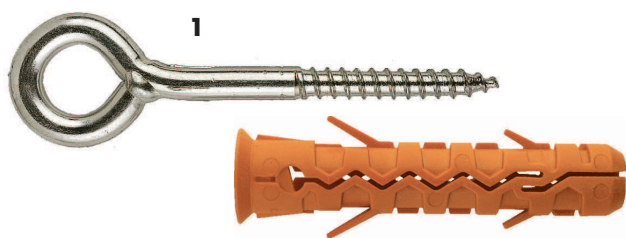




MGV / MGD Scaffold Screw and Scaffold Plug



Name

1	Scaffold Screw MGV	Zinc plated steel
2	Scaffold Plug MGD	Polyamide PA 6

Features

Face fixing

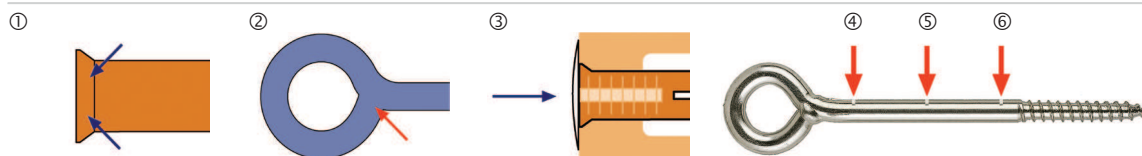
Building materials



Qualities



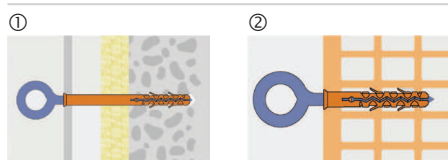
Characteristics



- ① Plug collar allows a controlled assembly
- ② Welded screw for safe fixing according to DIN 4420
- ③ End caps for a clean closure after dismantling

- Ideal economical fixing with the Scaffold Plug MGD
- With setting depth marks ④ at plug length 140 mm, ⑤ at plug length 100 mm and ⑥ at plug length 70 mm for controlled assembling

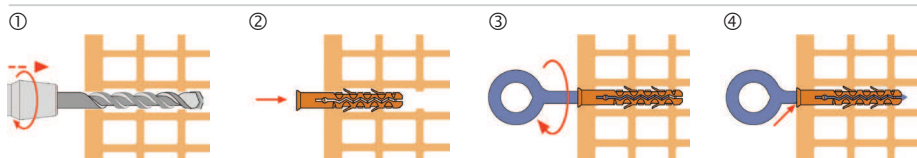
Applications



- ① Scaffold fixing through insulation on concrete
- ② Scaffold fixing in perforated brick
- Drill smaller hole size in aerated concrete = more expansion force
- Easy to disassemble

- Plug MGD can be used with normal wood and metric screws
- Scaffold fixing can be used as load anchor for the transport of concrete elements, under consideration of the recommended tension loads

Installation





- ① Make the drill hole
- ② Insert the Scaffold Plug until the collar is reached
- ③ Turn in the Scaffold Screw
- ④ Scaffold Screw must be turned into the plug to the accordant mark
- Protect the scaffold during assembling and disassembling with tensioning ropes and chains etc



MGD with MGV



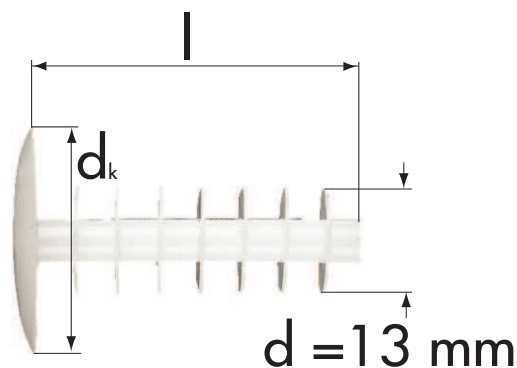
Plug size / Screw size		mm	14			12								
N _{Rec}	- Concrete uncracked C25 - C55	kN	5											
	- Brick / sandstone		4.5											
	- Perforated brick ¹⁾		1.6											
M _{Rec}	Recommended bending moment	Nm	22											
h _{ef}	Effective anchorage depth	mm	75			-								
d _s	Scaffold screw-Ø	mm				12								
l _s	Scaffold screw total length	mm				90	120	160	190	230	300	350	450	
h ₀	Min. drill hole depth	mm	90			-								
d ₀	Drill hole-Ø in the building material	mm	14			-								
d _w	Scaffold screw inside-Ø	mm	-			25								
l	Plug length combined with MGV	mm	70	·	·	x	x	x	x	x	x	x	x	
			·	100	·	-	x	x	x	x	x	x	x	
			·	·	140	-	-	x	x	x	x	x	x	
d _{nom}	Outside-Ø plug	mm	14	14	14	-								
MGD Scaffold Plug				1131407	1131410	1131414								
MGV Scaffold Screw							1131209	1131212	1131216	1131219	1131223	1131230	1131235	1131245

Safety factor 3

1) Without hammer drill in perforated brick / x = combination MGD and MGV possible

End Cap for Scaffold Fixings

After disassembling of Scaffold Screws, plug holes can be covered with End Caps



d _k	Head-Ø	mm	28
d _s	For plug inside-Ø	mm	10-12 ¹⁾
l	Plug length	mm	40
MVS End Cap			1121090

1) Inner plug diameter of the installed plug