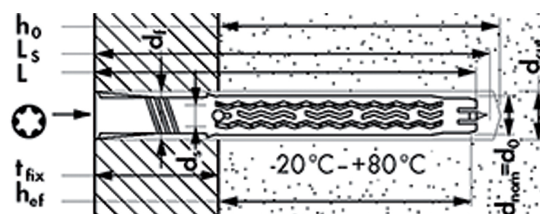
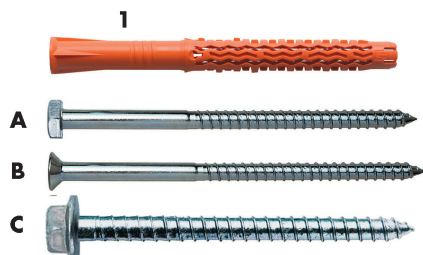


MQL Universal Nylon Frame Plug

Nylon Products



Name	Features
1 Nylon Frame Plug	C Screw Hexagon/T40/Collar
A Screw T40	Through fixing
B Hexagon screw	

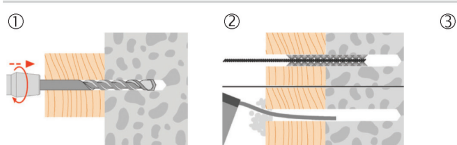
Building materials



Applications

- ① Easy fastening through wooden building material in concrete
- ② Easy fastening through metal in other solid building materials
- ③ For the fastening of metal constructions under facades
- ④ Easy fastening through metal in concrete

Installation



- ① Make the drill hole
- ② Clean the drill hole
- ③ Insert the Nylon Plug
- ④ Fix the building materials

MQL

Plug size			8					10							
N_{App}	- Concrete $\geq$ C20/25	kN													
	- Solid brick														
	- Sandstone														
V_{App}	- Concrete $\geq$ C20/25	kN													
	- Solid brick														
	- Sandstone														
$M_{App,s}$	- Steel galvanized	FZ = 0													
		FZ = 0.5 kN													
		FZ = 0.8													
h_{ef}	Effective anchorage depth	mm	70					70							
h_0	Drill hole depth	mm	80					80							
d_0	Drill hole-Ø in the building material	mm	8					10							
d_f	Clearance hole in fixture	mm	8					10							
l	Plug length	mm	80	100	120	140	160	80	100	120	140	160	180	200	
d_{nom}	Outside-Ø plug	mm	8					10							
$d_s \times l_s$	Screw	mm	6x85	6x105	6x125	6x145	6x165	7x85	7x105	7x125	7x145	7x165	7x185	7x205	
t_{fix}	Assembling usable length	mm	10	30	50	70	90	10	30	50	70	90	110	130	
			MQL-ST T30/T40	1060100	1060101	1060102	1060104	1060106	1060108	1060110	1060112	1060114	1060116	1060118	1060120
			MQL-SS Hexagon						1060208	1060210	1060212	1060214	1060216	1060218	1060220
			MQLK-STB Hexagon SW13/ T40						1060308	1060310	1060312				
				x	x	x	x	x	x	x	x	x	x	x	x
				x	x	x	x	x	x	x	x	x	x	x	x

x = Part of the approval

MQL Universal Nylon Frame Plug

FZ = existing central traction

Recommended tension / shear loads MBR-S

Plug size			8					10							
N_{Rec}	- Concrete $\geq$ C20/25 ¹⁾	kN	1.9					2.0							
	- Perforated brick (Swiss version) ²⁾		0.9					1.2							
	- Lightweight concrete ²⁾							0.4							
	- Aerated concrete ²⁾							0.5							
	- Sandstone ²⁾							0.6							

1) Safety faktor 3

2) Safety faktor 3.5

Values only valid when using Mungo safety screws