

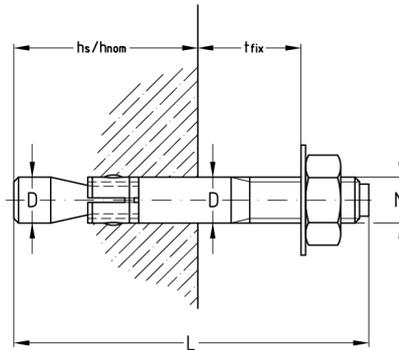
Through anchors galvanised

Application

- For anchorages of medium-weight loads in non-cracked concrete
- Attachment of metal and wood constructions, handrails, shelves and cable ducts
- Also applicable in hard natural stone

Your advantages

- Quick handling: Simply insert and tighten
- Practical through-fitting
- Splaying controlled by the tightening torque
- High security due to increasing splaying with increase in load
- European Technical Assessment (ETA) for non-cracked concrete



Features



Type	Connecting thread	Clamping thickness t_{fix} [mm]	Length L [mm]	Drilling diameter D [mm]	Drilling depth [mm]	FM	Uncracked concrete centrally tensile loaded ETA assessment			Part no.	Sales unit	Pack unit		
							Anchoring depth h_{ef} [mm]	Setting depth h_{nom} [mm]	Permissible load ¹⁾ [kN]					
St 6-10	M6	10	67	6	55		40	49	4.1	129513	100	Pieces		
St 6-25		25	82										129514	
St 8-10	M8	10	75	8	65		44	56	5.7	129516				
St 8-20		20	85										129517	
St 8-45		45	110										129519	
St 10-10	M10	10	85	10	70	x	48	62	7.6	129490	50			
St 10-20		20	95			x							129491	
St 10-50		50	125			x							129493	
St 12-20	M12	20	115	12	90	x	65	82	12.6	129499	25			
St 12-30		30	125			x							129502	
St 12-65		65	160			x							129505	
St 12-85		85	180			x							129506	
St 12-105		105	200			x							129495	20
St 12-145		145	240			x							129496	15
St 12-260	260	355	x	129501										
St 16-30	M16	30	150	16	110		82	102	17.8	129511	10			
St 16-100		100	220										129507	

¹⁾ The admissible loads apply for single anchors in concrete strength class $\geq C20/25$ for axially applied tension without the influence of axial and edge spacings. The safety coefficient according to ETA is included. The European Technical Assessment shall be observed for dimensioning. Reduced setting depth possible at reduced loads, see please the European Technical Assessment 05/0162.

 Please refer to chapter „Stainless steel,“ for the stainless steel version.
For additional characteristic values of plugs for use in areas with requirements on the duration of fire resistance, please refer to the „Technical information“ chapter.