

Steel anchors galvanised

Application

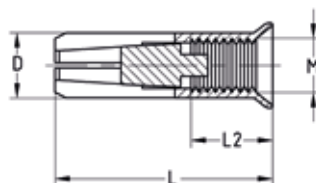
- For anchorages of medium-weight loads in concrete and natural stone (hard) in dry interiors of buildings
- Versatile and suitable for attachment with screws or threaded rods in all plumbing, heating and ventilation installations
- Anchors with a length of 25 mm are admitted as multiple attachment of non-load bearing systems for use in prestressed concrete hollow core slab ceilings

Your advantages

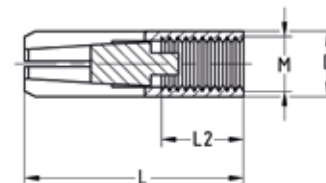
- Secure grip due to controlled splaying as the taper is driven in
- Requires only small drilling depth
- Flush finish with surface of the building material
- Secure expansion force even when the mounting screw is loosened
- European Technical Assessment (ETA) for non-cracked and cracked concrete (reduced loads)
- If used the setting tools for check marking, test loading of the anchor is not required



Steel anchor with collar



Steel anchor



- Efficient and effortless mounting due to headed drill and plug-in setting tool

Features




Type	Connecting thread	Length L [mm]	Usable thread length L2 [mm]	Drilling diameter D [mm]	FM	Uncracked concrete centrally tensile loaded ETA assessment		Multiple attachment of non-load bearing systems ETA assessment		Part no.	Sales unit	Pack unit
						Drilling depth h ₀ [mm]	Permissible load ¹⁾ [kN]	Drilling depth h ₀ [mm]	Permissible load ²⁾ [kN]			
without collar	M6	30	13	8		30	3.3 ³⁾	30	1.2	129092	100	Pieces
	M8			10			2.8 ³⁾		1.7	129093		
		40	20			40	3.6	40	2	129088		
	M10		15	12	x		5.1			129089		
	M12	50	18	15	x	50	7.1	50	2.4	129090	50	
with collar	M16	65	23	20	x	65	10.5	65	6.3	129091	25	
	M8	25	12	10		-	-	25	1.9	167194	100	
		30	13			30	2.8 ³⁾	30	1.7	149067		
		40	20			40	3.6 ³⁾	40	2	150703		
	M10	25	12	12	x	-	-	25	2.1	167195		
		30			x	30	3.3 ³⁾	30	2	149068		
		40	15		x	40	5.1	40		149325		
	M12	25	12	15		-	-	25	2.1	167196	50	
		50	18		x	50	7.1	50	2.4	150704		

¹⁾ The admissible loads apply for single anchors in concrete strength class \geq C20/25 (B25) for axially applied tension without the influence of axial and edge spacings. The safety coefficient according to ETA is included. The European Technical Assessment 05/0160 shall be observed for dimensioning.

²⁾ Use as multiple attachment of non-load-bearing systems according to ETAG 001, part 6. The overall safety coefficient according to ETA is taken into consideration (γ_M und γ_F). The max. permitted load for each attachment point can be below the permitted load of the anchor, depending on national regulations. The permitted loads for each attachment point are regulated by ETAG 001, part 6 for the different countries. The European Technical Assessment 05/0161 shall be observed for dimensioning.

³⁾ Only for use in statically indeterminate systems.

 For the stainless steel version please refer to chapter „Stainless steel“. For additional characteristic values of plugs, for use in areas with requirements on the duration of fire resistance and for use in prestressed concrete hollow core slab ceilings, please refer to the „Technical information“ chapter.