

Steel anchors

stainless steel

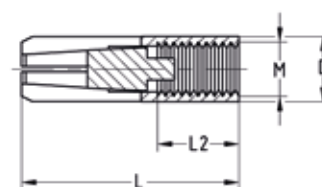
Application

- For anchorages of medium-weight loads in concrete and natural stone (hard) in dry interiors of buildings, in damp rooms as well as outdoors
- Versatile and suitable for attachment with screws or threaded rods in all plumbing, heating and ventilation installations

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)
- When using the setting tool for check marking, the load test (proof load) of the anchor is not necessary



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		Material	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	3.9 ³⁾	30	1.2	V4A	129086	100	Pieces
	M8			10					1.7		129087		
	M10	40	20	12	x	40	6.1	40	2		129082	50	
	M12	50	18	15	x	50	8.5	50	2.4		129083		
	M16	65	23	20	x	65	12.6	65	6.3		129084	25	

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. The overall safety coefficient according to ETAG is taken into consideration. The European Technical Assessment 05/0161 shall be observed in dimensioning.

³⁾ Only for use in statically indeterminate systems.

i 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.

Setting tools for steel anchors

Design	Connecting thread	Part no.	Sales unit	Pack unit
Setting tool, hardened	M6 x 30 mm	123117	1	Pieces
Setting tool, hardened for check marking	M8 x 30 mm	123104		
	M10 x 40 mm	123092		
	M12 x 50 mm	123096		
	M16 x 65 mm	123113		



i For further setting tools for steel anchors please refer to chapter „Anchor plugs“.