Screws for concrete long

type TSM, galvanised

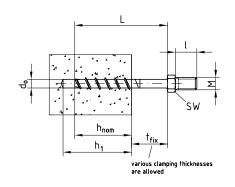
Field of application

- For anchorages free of expansion pressure in cracked and noncracked concrete
- For direct attachment of support channels, wall hanger brackets and other assembly parts
- Long shank design for attachments, e.g. through insulating materials

Advantages

- More than 25 % reduction of assembly time per attachment point
- Versatile use in concrete and other solid building materials
- High security, no splaying effect

 thus can be placed close to the edge and to other screws
- High load capacity due to form lock
- Easy to withdraw, facilitates corrections during installation
- No additional mounting or setting tools required
- European Technical Assessment for cracked and uncracked concrete
- Fire protection in concrete
- Suitable for the installation of gas mains according to the TRGI (Technical Rules for Gas Installations)
- Two effective anchorage depths for greater flexibility





Screw for concrete long with stud

Туре	Thread-∅ [mm]	Length L [mm]	Connecting thread M	Thread length l [mm]	Part no.	Sales unit	Pack unit
With stud	6	135	M8	16	176131	100	pieces
		155			176132		
		175			176133		
		195			176134		



Screws for concrete long

type TSM, galvanised

Standard anchorage depth:

Features								Europäische Technische Bewertung	fire protection certified F90
Design	Thread-∅ [mm]	Length L [mm]	Spanner width [SW]	Clamping thickness t _{fix} [mm]	Drilled hole-Ø do [mm]	Drilling depth h1 [mm]	Setting depth hnom [mm]		e loads [kN] assessment ¹⁾ uncracked concrete
With stud	6	135 155 175 195	10	80 100 120 140	6	60	55	1,9	4,3

Reduced anchorage depth:

Features

Design	Thread-∅ [mm]	Length L [mm]	Spanner width [SW]	Clamping thickness t _{fix}	Drilled hole-∅ d₀	U	Setting depth hnom [mm]	Admissible loads [kN] acc. to ETA assessment ¹⁾	
				[mm]				cracked concrete	uncracked concrete
With stud	6	135	10	95	6	45	40	1,0	1,9
		155		115					
		175		135					
		195		155					

¹⁾ Admissible loads acc. to EN 1992-4 without influence of axial spacing and edge spacing. The total safety coefficient (γM and γF) was taken into account. The European Technical Assessment ETA-15/0514 shall be observed for dimensioning.

Please refer to chapter "Technical information" for further installation parameters and loads for use in areas with requirements for fire resistance duration.

For fitting tools please refer to chapter "Tools".

