Screws for concrete long

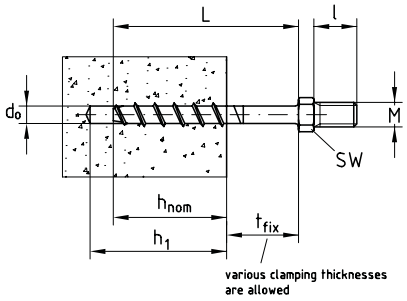
Type TSM, galvanised

Application

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

Your 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)
- Three effective anchorage depths for greater flexibility



Features

fire protection certified F90

Europäische Technische Bewertung

Anchoring depth h_{nom1} 35 mm

Type	Thread diameter [mm]	Length L [mm]	Connecting thread	Connecting thread length l [mm]	Spanner width SW [mm]	Clamping thickness t_{fix} [mm]	Drilling diameter d_0 [mm]	Drilling depth h_1 [mm]	Admissible tensile load cracked concrete C20/25 [1] [kN]	Admissible tensile load uncracked concrete C20/25 [1] [kN]	Part no.	Sales unit	Pack unit
With stud type TSM	6	135	M8	16	10	100	6	40	1	1.9	**176131**	100	Pieces
		155				120					**176132**		
		175				140					**176133**		
		195				160					**176134**		

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Anchoring depth h_{nom2} 40 mm													
Type	Thread diameter [mm]	Length L [mm]	Connecting thread	Connecting thread length l [mm]	Spanner width SW [mm]	Clamping thickness t_{fix} [mm]	Drilling diameter d_0 [mm]	Drilling depth h_1 [mm]	Admissible tensile load cracked concrete C20/25 [1] [kN]	Admissible tensile load uncracked concrete C20/25 [1] [kN]	**Part no.**	Sales unit	Pack unit
With stud type TSM	6	135	M8	16	10	95	6	45	1	1.9	**176131**	100	Pieces
		155				115					**176132**		
		175				135					**176133**		
		195				155					**176134**		

Anchoring depth h_{nom3} 55 mm													
Type	Thread diameter [mm]	Length L [mm]	Connecting thread	Connecting thread length l [mm]	Spanner width SW [mm]	Clamping thickness t_{fix} [mm]	Drilling diameter d_0 [mm]	Drilling depth h_1 [mm]	Admissible tensile load cracked concrete C20/25 [1] [kN]	Admissible tensile load uncracked concrete C20/25 [1] [kN]	**Part no.**	Sales unit	Pack unit
With stud type TSM	6	135	M8	16	10	80	6	60	1.9	4.3	**176131**	100	Pieces
		155				100					**176132**		
		175				120					**176133**		
		195				140					**176134**		

[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.

For further installation parameters and loads for use in areas with requirements on the duration of fire resistance, please refer to the „Technical information“ chapter.

For fitting tools please refer to chapter „Tools“.