

Screws for concrete long

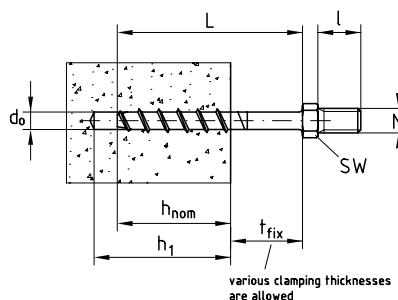
Type TSM, galvanised

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)
- Two effective anchorage depths for greater flexibility



Features



Standard anchorage depth														
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]	Anchoring depth h _{nom} [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	55	1.9	4.3	176131	100	Pieces
		100				176132								
		120				176133								
		140				176134								




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Reduced anchorage depth														
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]	Anchoring depth h _{nom} [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	40	1	1.9	176131	100	Pieces
		115				176132								
		135				176133								
		155				176134								

¹⁾ Admissible loads acc. to EN 1992-4 without influence of axial spacing and edge spacing. The total safety coefficient (γ_M and γ_F) 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“.

