

### Screws for concrete MMS-plus

type Multi-Monti®-plus (with stud and with internal thread anchor)), galvanised

#### Application

- For anchorages free of expansion pressure in cracked and non-cracked concrete
- Direct mounting of attachment parts, such as brackets, support channels, base plates, etc.
- Also applicable in lime sand brick, solid brick, clinker and natural stone
- For anchorages in prestressed concrete hollow core slab ceilings

#### Your advantages

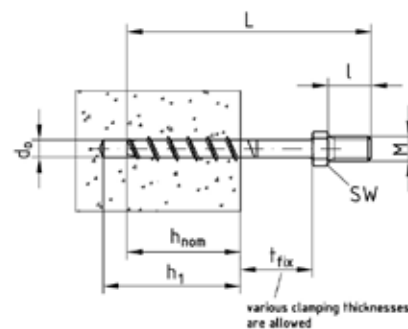
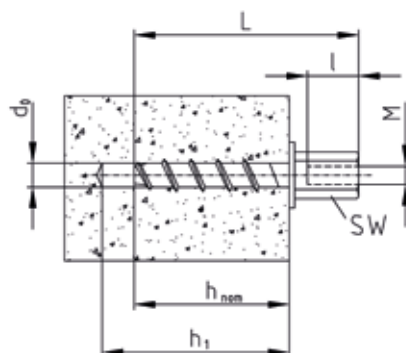
- More than 25 % reduction of assembly time per attachment point
- Versatile use in concrete and other solid building materials
- High security, no splaying effect - thus can be placed close to the edge and to other screws
- High load capacity due to form lock
- Easy to withdraw, facilitates corrections 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
- European Technical Assessment for anchorages in prestressed concrete hollow core slab ceilings
- General Design Certification for anchorages in masonry



Screw for concrete with internal thread anchor type I



Screw for concrete with stud type ST



#### 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 <sub>fix</sub> [mm]	Head diameter dk [mm]	Drilling diameter d <sub>0</sub> [mm]	Drilling depth h <sub>1</sub> [mm]	Anchoring depth h <sub>nom</sub> [mm]	Admissible tensile load cracked concrete C20/25 <sup>1)</sup> [kN]	Admissible tensile load uncracked concrete C20/25 <sup>1)</sup> [kN]	Part no.	Sales unit	Pack unit
With stud type ST	7.5	70	M8	14	10	15	10	6	65	55	2	4.4	166642	50	Pieces
		80				25							166643		
		100				45							166644		
	10	75	M10	11	13	10	13	8	75	65	4.4	7.9	166645	25	
		120				55					3.7 <sup>2)</sup>	4.9 <sup>2)</sup>	106528	100	
With internal thread anchor type I	7.5	40	M8/M10	23	17	5	14.5	6	40	35	1	2	166649	40	
		60	M8	12		65			55	2	4.4	166650	50		
			M8/M10	23								166651	40		
	10	75	M10	13	10	19.5	8	75	65	4.4	7.9	166652	25		

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Type	Thread diameter [mm]	Length L [mm]	Connecting thread	Connecting thread length l [mm]	Spanner width SW [mm]	Reduced anchorage depth							Part no.	Sales unit	Pack unit
						Clamping thickness $t_{fix}$ [mm]	Head diameter $d_k$ [mm]	Drilling diameter $d_o$ [mm]	Drilling depth $h_1$ [mm]	Anchoring depth $h_{nom}$ [mm]	Admissible tensile load cracked concrete C20/25 <sup>1)</sup> [kN]	Admissible tensile load uncracked concrete C20/25 <sup>1)</sup> [kN]			
With stud type ST	7.5	70	M8	14	10	35	10	6	40	35	1	2	166642	50	Pieces
		80				45							166643		
		100				65							166644		
	10	75	M10	11	13	25	13	8	60	50	3	5.9	166645	25	
With internal thread anchor type I	7.5	60	M8	12			14.5	6	40	35	1	2	166650	50	
			M8/M10	23			19.5	8	60	50	3	5.9	166651	40	
	10	75	M10	13	17								166652	25	

<sup>1)</sup> The admissible loads apply for single anchors, concrete strength class  $\geq$  C20/25 (B25), for central load without influence of axial spacing and edge spacing in cracked and uncracked concrete. The European Technical Assessment ETA-15/0784 shall be observed for dimensioning.

<sup>2)</sup> The admissible loads apply for single anchors, concrete strength class  $\geq$  C20/25 (B25), for central load without influence of axial spacing and edge spacing in cracked and uncracked concrete. The European Technical Assessment ETA-05/0010 shall be observed for dimensioning.



Article 106528 according to European Technical Assessment ETA-05/0010.



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.

Installation data for anchoring in prestressed concrete hollow chamber ceilings and masonry see chapter „Technical information“.

For fitting tools please refer to chapter „Tools“.

