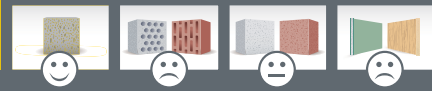


Metal anchors



Concrete Screw TSM B

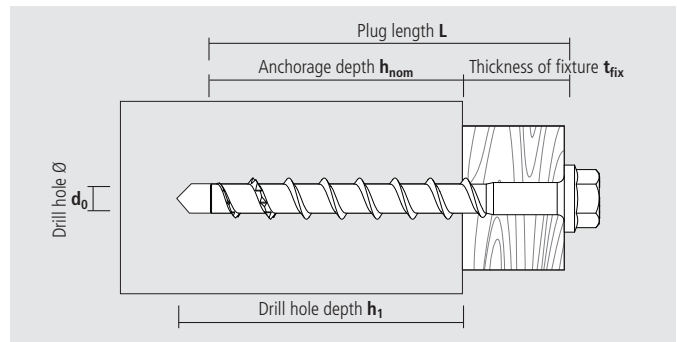


Advantages

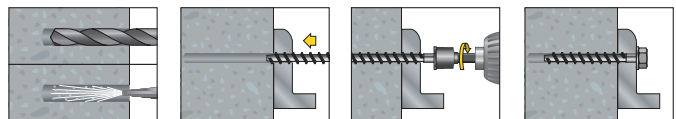
- Approved for the use in cracked or non-cracked concrete
- When screwed into predrilled hole, the saw tooth like shaped thread cuts itself into the concrete and ensures thus a safe anchorage
- The use of an impact screwdriver is recommended for installation
- Coating: Zinc flaking in order to avoid hydrogen embrittlement

Suitable building materials

- ✓ Concrete



Mounting



TSM B with TX 30, head-ø: 14,5 mm

Type	Art-No		d ₀ [mm]	h ₁ ≥ [mm]	h _{nom} ≥ [mm]	L [mm]	t _{fix} ≤ [mm]	Drive	Price	Packing	
	new	old							€/100 pcs	[pcs]	[pcs]
6-60/5	9660TSM	505701	6	65	55	60	5	TX30		100	–



TSM B with hex-head with integral washer

Type	Art-No		d ₀ [mm]	h ₁ ≥ [mm]	h _{nom} ≥ [mm]	L [mm]	t _{fix} ≤ [mm]	Drive	ø Washer [mm]	Price	Packing	
	new	old								€/100 pcs	[pcs]	[pcs]
6-60/5	9660TSM	505703	6	60	55	60	5	SW 13	–		100	–
8-80/15	9880TSM	505705	8	75	65	80	15	SW 13	16,5		100	–
10-90/5	91090TSM	505707	10	95	85	90	5	SW 15	19,5		50	–
10-100/15	910100TSM	–	10	95	85	100	15	SW 15	19,5		50	–
10-120/35	910120TSM	–	10	95	85	120	35	SW 15	19,5		50	–
10-150/65	910150TSM	505718	10	95	85	150	65	SW 15	19,5		50	–
10-170/85	910170TSM	505720	10	95	85	170	85	SW 15	19,5		50	–

Loads, spacing and edge distance in concrete

Type	cracked concrete		non-cracked concrete		Permissible bending moment M _{per} [Nm]	Spacing		Edge distance		Min. thickness of structural part h _{min} [mm]
	C20/25	C30/37	C20/25	C30/37		S _{cr} [mm]	S _{min} [mm]	C _{cr} [mm]	C _{min} [mm]	
	F _{per} [kN]	F _{per} [kN]	F _{per} [kN]	F _{per} [kN]						
TSM B 6	1,4	1,7	4,3	5,2	5,2	132	40	66	40	100
TSM B 8	4,3	5,2	5,7	7,0	12,4	153	50	77	50	120
TSM B 10	7,6	9,3	13,5	16,4	26,7	204	70	102	70	130

Permissible loads under consideration of partial safety factors according to ETAG 001