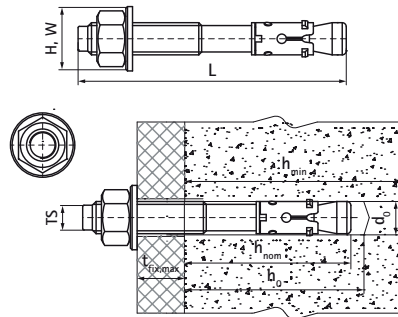


Walraven WTB1 Throughbolt Anchor SS

(M9522)

high performance stainless steel expansion anchor for cracked concrete



Features & benefits

- high load capacity
- pre- and through-fixing
- made of stainless steel for use in external atmospheric environment
- two embedment depths provide installation flexibility
- material: stainless steel A4
- ETA Option 1 approval for cracked and non-cracked concrete
- fire resistance class R30-R120 for design of anchorages under exposure to fire
- substrate type: cracked concrete, non-cracked concrete, stone



Product Number	Thread Size	Total Width x Total Height x Total Length	Drill Hole Diameter	Drill Hole Depth	Minimum Substrate Thickness	Standard Embedment Depth	Maximum Fix- ture Thickness	Recommended Load In Cracked Concrete C20/25	Recommended Load In Uncracked Concrete C20/25
Reference letter	TS	W x H x L	d0	h0	hmin	hnom	tfix,max		
Unit description		mm x mm x mm	mm	mm	mm	mm	mm	N	N
609871080	M8	13 x 13 x 75	8	55	100	55	10	2,380	3,570
609871081	M8	13 x 13 x 115	8	55	100	55	50	2,380	3,570
609871100	M10	17 x 17 x 95	10	69	100	69	15	4,290	7,620
609871101	M10	17 x 17 x 130	10	69	100	69	50	4,290	7,620
609871120	M12	19 x 19 x 125	12	80	140	80	30	5,710	11,900
609871121	M12	19 x 19 x 150	12	80	140	80	55	5,710	11,900