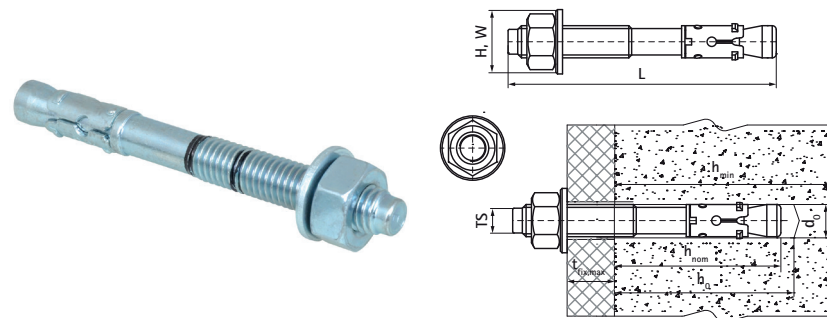


Walraven WTB7 Throughbolt Anchor

(L0345)

high performance expansion anchor for non-cracked concrete



Features & benefits

- high load capacity
- pre- and through-fixing
- two embedment depths provide installation flexibility
- material: steel
- zinc plated
- ETA Option 7 approval for non-cracked concrete
- substrate type: non-cracked concrete, stone
- for loads and more information, refer to the product data sheet and/or the ETA report



Product Number	Thread Size	Total Length	Drill Hole Diameter	Drill Hole Depth	Minimum Substrate Thickness	Standard Embedment Depth	Maximum Fix- ture Thickness	Recommend- ed Load In Uncracked Concrete C20/25	Total Height	Total Width
Reference letter	TS	L	d0	h0	hmin	hnom	tfix,max		H	W
Unit description		mm	mm	mm	mm	mm	mm	N	mm	mm
609837080	M8	75	8	55	100	55	10	4,760	15	15
609837081	M8	95	8	55	100	55	30	4,760	15	15
609837082	M8	115	8	55	100	55	50	4,760	15	15
609837100	M10	95	10	59	100	59	25	4,760	19	19
609837101	M10	115	10	59	100	59	45	4,760	19	19
609837102	M10	130	10	59	100	59	60	4,760	19	19
609837120	M12	100	12	80	136	80	5	9,920	21	21
609837121	M12	120	12	80	136	80	25	9,920	21	21
609837122	M12	150	12	80	136	80	55	9,920	21	21
609837123	M12	180	12	80	136	80	85	9,920	21	21
609837160	M16	150	16	100	170	100	30	15,710	26	26