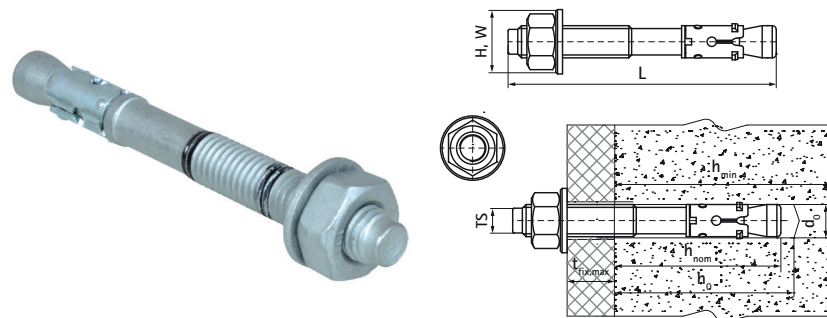


Walraven WTB1 Throughbolt Anchor

(L0340)

high performance corrosion resistant expansion anchor for cracked concrete



Features & benefits

- high load capacity
- pre- and through-fixing
- two embedment depths provide installation flexibility
- zinc-flake coated for improved corrosion resistance
- material: steel
- zinc plated with zinc flake
- ETA Option 1 approval for cracked and non-cracked concrete
- fire resistance class R30-R120 for design of anchorages under exposure to fire
- for loads and more information, refer to the product data sheet and/or the ETA report

Product Number	Thread Size	Total Width x Total Height x Total Length	Drill Hole Diameter	Drill Hole Depth	Minimum Substrate Thickness	Standard Embedment Depth
Reference letter	TS	W x H x L	d0	h0	hmin	hnom
Unit description		(mm) x (mm) x (mm)	(mm)	(mm)	(mm)	(mm)
609831080	M8	13 x 13 x 80	8	55	100	55
609831081	M8	13 x 13 x 100	8	55	100	55
609831082	M8	13 x 13 x 115	8	55	100	55
609831100	M10	17 x 17 x 95	10	69	120	69
609831101	M10	17 x 17 x 115	10	69	120	69
609831102	M10	17 x 17 x 130	10	69	120	69
609831120	M12	19 x 19 x 120	12	80	140	80
609831121	M12	19 x 19 x 135	12	80	140	80
609831160	M16	24 x 24 x 140	16	100	170	100