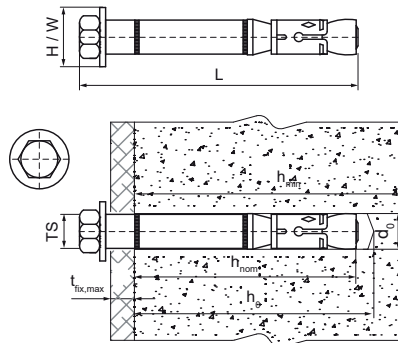


Walraven WHA1H Highload Anchor

(L0354)

ultimate performance anchor for cracked concrete and seismic conditions



Features & benefits

- very high load capacity
- ETA Option 1 approval for cracked and non-cracked concrete
- fire resistance class R30-R120 for design of anchorages under exposure to fire
- seismic performance categories C1 and C2 for design of anchorages under seismic action
- substrate type: cracked concrete, non-cracked concrete
- for loads and more information, refer to the product data sheet and/or the ETA report
- material: steel
- zinc plated



Product Number	Thread Size	Total Length	Drill Hole Diameter	Drill Hole Depth	Minimum Substrate Thickness	Maximum Fixture Thickness	Standard Embedment Depth	ETA Seismic Rating	Recommended Load In Cracked Concrete C20/25	Recommended Load In Uncracked Concrete C20/25	Total Height	Total Width
Reference Letter	TS	L	d0	h0	hmin	tfix,max	hnom				H	W
Unit description		mm	mm	mm	mm	mm	mm		N	N	mm	mm
609832150	M10	110	15	95	140	15	85	C1 & C2	7,620	14,290	15	15
609832151	M10	136	15	95	140	45	85	C1 & C2	7,620	14,290	15	15
609832180	M12	117	18	105	160	10	95	C1 & C2	12,260	17,200	18	18