

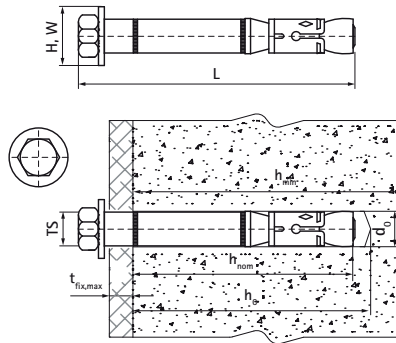
Walraven WHA1H Highload Anchor

(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 Width x Total Height x Total Length	Drill Hole Diameter	Drill Hole Depth	Minimum Substrate Thickness	Standard Embedment Depth	Maximum Fixture Thickness	ETA Seismic Rating	Recommended Load In Cracked Concrete C20/25	Recommended Load In Un-cracked 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
609832150	M10	15 x 15 x 110	15	95	140	85	15	C1 & C2	7,620	14,290
609832151	M10	15 x 15 x 136	15	95	140	85	45	C1 & C2	7,620	14,290
609832180	M12	18 x 18 x 117	18	105	160	95	10	C1 & C2	12,260	17,200