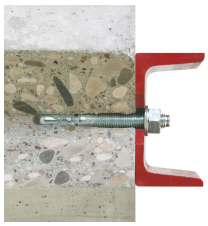
Technical Sheet

FM-753 3DG
Heavy Duty Wedge Anchor

Heavy-duty wedge anchor for the medium load range, in sizes M8 - M20 for anchoring in non-cracked concrete C20/25 - C50/60. With coating 3DG









Features

Material

- Steel
- Special anti-corrosion coating 3DG with matte finish

Benefits

- Wide range
- Easy installation
- Versatile
- Cold forged anchor body
- Increased thickness of three expander segments
- Six teeth and anti-slip ridge to prevent slip during tightening

Applications

Applications

- Railings
- Metal and wood carpentry
- Facades

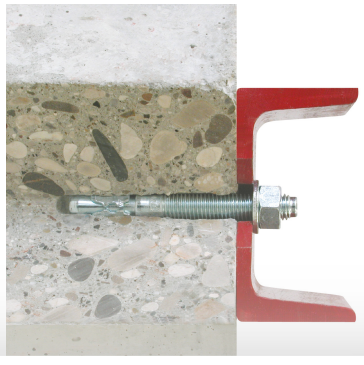
Suitable for

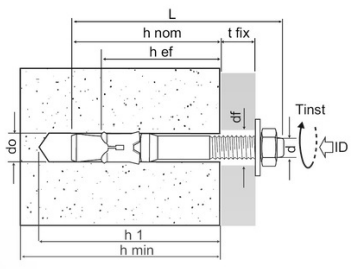
- Non-cracked concrete
- Solid stone

FM-753 3DG

Heavy Duty Wedge Anchor

Technical Data





Product dimensions

Product dimensions

See full table online ➡️

Reference		[tfix,max] with	[tfix,max] with	Hole	Hole diameter	Min. setting		Qty		Product Reference		Thread	

Design capacities - single anchor - no edge distances

Design capacities - single anchor - no edge distances

See full table online ➡️

Reference	Metallic fixings dimensions		Metallic fixings loads		
	Product Dimensions[mm]		Design capacity - Non-cracked concrete (3)[kN]		
			VRd (1-2)[kN]		
				C40/50[kN]	C50/60
75320C1007500				-	-
75320C1210000		3DG		-	-
	M16x145	FM-753			

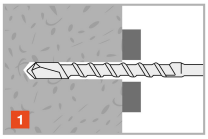
Recommended capacities - single anchor - no edge distances

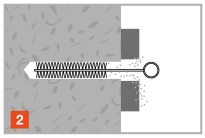
Recommended capacities - single anchor - no edge distances

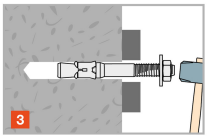
See full table online ➡️

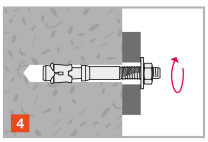
Reference	Metallic fixings dimensions		Metallic fixings loads		
	Product Dimensions[mm]		Recommended loads - Non-cracked concrete		
			Vrec[kN]		
				C40/50[kN]	C50/6
75320C1007500				6.6	6.
75320C1210000		3DG		9.6	9.

Installation









Spacing, and Edge Distances

Reference	Metallic fixings dimensions		Installation data			
	Product Dimensions[mm]	Product Reference	Spacing and edge distances			
	Dimensions[mm]		Min. edge distance[mm]	Min. spacing[mm]	Characteristic spacing(5) - Scr,N[mm]	Characteristic edge distance[mm]
75320C1007500	M10x75	FM-753 3DG	55	55	150	75
75320C1210000	M12x100	FM-753 3DG	90	90	180	90
75320C1614500	M16x145	FM-753 3DG	130	130	255	130

* Not included in the approval

Installation data

Reference	Metallic fixings dimensions			Installation data					
	Product Dimensions[mm]		Product Reference	Installation data					Spacing and edge distances
	Dimensions[mm]	Wrench size[mm]		Ø drilling hole[mm]	Min. drill depth[mm]	Ø drilling fixture[mm]	Installation torque[Nm]	Embedment depth[mm]	Min. support thickness[mm]
75320C1007500	M10x75	17	FM-753 3DG	10	70	12	25	50	100
75320C1210000	M12x100	19	FM-753 3DG	12	85	14	50	60	120
75320C1614500	M16x145	24	FM-753 3DG	16	115	18	100	85	170

Winchester Road Cardinal Point Tamworth
Staffordshire B78 3HG
tel: +44 1827 255600
fax: +44 1827 255616
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