Technical Sheet

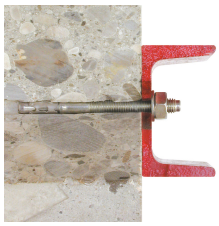
FM-753 CRACK A4

Stainless Steel Heavy Duty Wedge Anchor with Seismic Certification

Stainless steel wedge anchor for the medium load range in sizes M8 - M16 for anchoring in cracked and non-cracked concrete C20/25 - C50/60, as well as for seismic actions of the performance category C1/C2.







Features

Material

- Stainless steel A4

Benefits

- Dynamic and seismic loads
- Seismic performance C1 and C2
- Immediate expansion
- Increased thickness of three expander segments
- Nine gripping dents for greater adhesion to hole wall
- Fire resistance R120

Applications

Applications

- Structural fixings
- Steel constructions
- Seismic applications

Suitable for

- Cracked concrete
- Non-cracked concrete
- Solid stone

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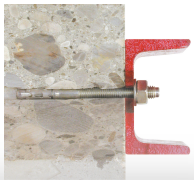
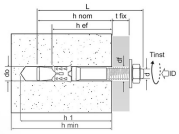
Technical Data





Product dimensions

Product dimensions
See full table online ➡

Recommended loads / Non-cracked concrete / for single anchors / with no edge distances or spacings

Reference	Metallic fixings dimensions	Metallic fixings loads		
	Dim			
	Dim		r - Vrec[kN]	
			kN]	C40/50[kN]	C50/6
7535000806800	A4			7.8	7.

Recommended loads / Non-cracked concrete / for single anchors / with no edge distances or spacings
See full table online ➡

Design capacities - single anchor - no edge distances - Uncracked concrete

Reference	Metallic fixings dimensions	Metallic fixings loads		
	Product Dimensions[mm]	Design capacity - Non-cracked concrete (3)[kN]		
	Dim		VRd (1-2)[kN]	
			N]	C40/50[kN]	C50/6
7535000806800				-	-

Design capacities - single anchor - no edge distances - Uncracked concrete
See full table online ➡

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Recommended loads - Cracked concrete - single anchor - no edge distances

Reference	Metallic fixings dimensions		Metallic fixings loads								
	Product Dimensions[mm]		Recommended loads - Cracked concrete								
	Dim								ear - V_{rec}		
									kN]	C40/50[kN]	C50/6
7535000806800										5.4	5.
7535000807500	M8x75	FM-753 CRACK	10.5	3.1	3.8	4.4	4.8	5.4	5.4	5.4	5.

Recommended loads - Cracked concrete - single anchor - no edge distances

See full table online ➡️

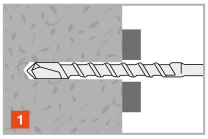
Design capacities - single anchor - no edge distances - Cracked concrete

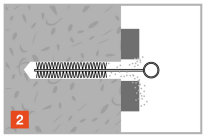
Reference	Metallic fixings dimensions		Metallic fixings loads								
	Product Dimensions[mm]		Design capacity - Cracked concrete								
	Dim								- VRd (1-2)		
									N]	C40/50[kN]	C50/6
7535000806800										-	-
7535000807500	M8x75	FM-753 CRACK	-	4.3	-	-	-	7.6	-	-	-

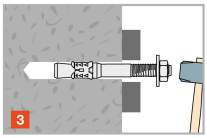
Design capacities - single anchor - no edge distances - Cracked concrete

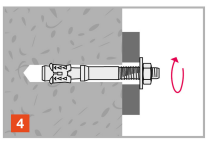
See full table online ➡️

Installation









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]
7535000806800	M8x68	13	FM-753 CRACK A4	8	70	9	20	48	100
7535000807500	M8x75	13	FM-753 CRACK A4	8	70	9	20	48	100
7535001009000	M10x90	17	FM-753 CRACK A4	10	80	12	40	60	120
7535001211000	M12x110	19	FM-753 CRACK A4	12	100	14	60	72	150
7535001212000	M12x120	19	FM-753 CRACK A4	12	100	14	60	72	150
7535001214500	M12x145	19	FM-753 CRACK A4	12	100	14	60	72	150

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Spacings 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 edge distance[mm]	Characteristic spacing(5) - Scr,N[mm]
7535000806800	M8x68	FM-753 CRACK A4	50	50	72	144
7535000807500	M8x75	FM-753 CRACK A4	50	50	72	144
7535001009000	M10x90	FM-753 CRACK A4	50	55	90	180
7535001211000	M12x110	FM-753 CRACK A4	60	60	108	216
7535001212000	M12x120	FM-753 CRACK A4	60	60	108	216
7535001214500	M12x145	FM-753 CRACK A4	60	60	108	216

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