Technical Sheet

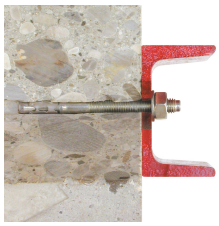
FM-753 CRACK A4

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

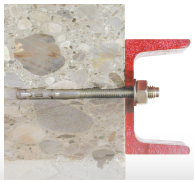
- Cracked concrete
- Non-cracked concrete
- Solid stone

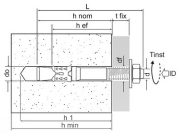
Technical Sheet

FM-753 CRACK A4

Stainless Steel Heavy Duty Wedge Anchor with Seismic Certification

Technical Data





Product dimensions

Product dimensions
See full table online ➡️

Technical Sheet

FM-753 CRACK A4

Stainless Steel Heavy Duty Wedge Anchor with Seismic Certification

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

Reference	Metallic fixings rozměry		Metallic fixings loads								
	rozměry výrobku[mm]	označení výrobku	Recommended loads - neporušený beton								
	rozměry[mm]		Bending moment M_{rec}[Nm]	tah - N_{rec}[kN]				smyk - V_{rec}[kN]			
				Empf. Last in Beton C20/25 [kN] 3) [kN]	C30/37[kN]	C40/50[kN]	C50/60[kN]	C20/25[kN]	C30/37[kN]	C40/50[kN]	C50/60[kN]
7535000806800	M8x68	FM-753 CRACK A4	10.5	4.8	5.9	6.8	7.4	7.8	7.8	7.8	7.8
7535000807500	M8x75	FM-753 CRACK A4	10.5	4.8	5.9	6.8	7.4	7.8	7.8	7.8	7.8
7535001009000	M10x90	FM-753 CRACK A4	21.5	7.6	9.3	10.7	11.8	13.4	13.4	13.4	13.4
7535001211000	M12x110	FM-753 CRACK A4	37.4	10.5	12.8	14.8	16.3	17.3	17.3	17.3	17.3
7535001212000	M12x120	FM-753 CRACK A4	37.4	10.5	12.8	14.8	16.3	17.3	17.3	17.3	17.3
7535001214500	M12x145	FM-753 CRACK A4	37.4	10.5	12.8	14.8	16.3	17.3	17.3	17.3	17.3

1) In case of interaction of tension and shear loads (lever arm) as well as in case of anchor groups and/or edge influence, a design according to EN 1992-4 (seismic actions - Annex C / fire action
- Annex D) shall be carried out taking into account the entire European Technical Assessment ETA-10/0293.
2) The load data take into account the partial safety factors of the resistances given in the European Technical Assessment (ETA) and a partial safety factor of the actions
of $\gamma F = 1.4$. The values given assume unreinforced or normally reinforced concrete with a spacing of the reinforcing bars $s \geq 15$ cm or $s \geq 10$ cm at a
rebar diameter $ds \leq 10$ mm is assumed.

Technical Sheet

FM-753 CRACK A4

Stainless Steel Heavy Duty Wedge Anchor with Seismic Certification

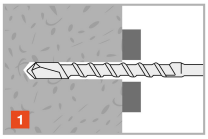
Recommended loads - Cracked concrete - single anchor - no edge distances

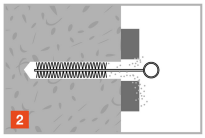
Reference	Metallic fixings rozměry		Metallic fixings loads								
	rozměry výrobku[mm]	označení výrobku	Recommended loads - porušený beton								
	rozměry[mm]		Bending moment M_{rec}[Nm]	tah - N_{rec}				smyk - V_{rec}			
				C20/25[kN]	C30/37[kN]	C40/50[kN]	C50/60[kN]	C20/25[kN]	C30/37[kN]	C40/50[kN]	C50/60[kN]
7535000806800	M8x68	FM-753 CRACK A4	10.5	3.1	3.8	4.4	4.8	5.4	5.4	5.4	5.4
7535000807500	M8x75	FM-753 CRACK A4	10.5	3.1	3.8	4.4	4.8	5.4	5.4	5.4	5.4
7535001009000	M10x90	FM-753 CRACK A4	21.5	4.8	5.9	6.8	7.4	13.4	13.4	13.4	13.4
7535001211000	M12x110	FM-753 CRACK A4	37.4	6.2	7.6	8.7	9.6	17.3	17.3	17.3	17.3
7535001212000	M12x120	FM-753 CRACK A4	37.4	6.2	7.6	8.7	9.6	17.3	17.3	17.3	17.3
7535001214500	M12x145	FM-753 CRACK A4	37.4	6.2	7.6	8.7	9.6	17.3	17.3	17.3	17.3

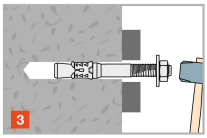
1) In case of interaction of tension and shear loads (lever arm) as well as in case of anchor groups and/or edge influence, a design according to EN 1992-4 (seismic actions - Annex C / fire action
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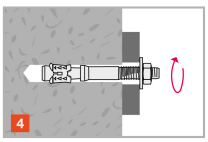
FM-753 CRACK A4
Stainless Steel Heavy Duty Wedge Anchor with Seismic Certification

Installation









Spacings and edge distances

Reference	Metallic fixings rozměry		montážní údaje			
	rozměry výrobku[mm]	označení výrobku	rozteč and okraj distances			
	rozměry[mm]		Min. okraj vzdálenost[mm]	Min. rozteč[mm]	charakteristická vzdálenost od okraje[mm]	charakteristická rozteč(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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