

FM-753 A4

Doorsteekanker optie 7 - Rvs A4

Het doorsteekanker FM-753 A4 met een diameter van M8 tot M16 is een doeltreffende oplossing voor het bevestigen van elementen op ondergronden van ongescheurd beton of steen in buitentoepassingen.

Kenmerken

Materiaal

- Roestvrij staal A4.

Voordelen

Tijdwinst:

- Onmiddellijke uitzetting,
- Montage door het te bevestigen element, Ø van het boorgat = Ø van de plug,
- Voorgemonteerde moer en sluitring,
- Breed assortiment.

Prestaties:

- Zes tanden en antislipranden voor een betere grip op de boorgatwanden,
- Grote dikte van de drie uitzettende segmenten.

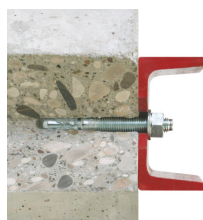
Toepassingen

Toepassingsgebieden

- Structurele bevestigingen,
- Gevel,
- Borstweringen,
- Ophangbeugels voor kapconstructies.

Ondergrond

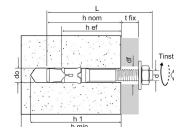
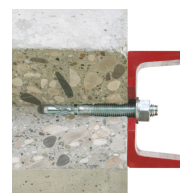
- Ongescheurd beton,
- Natuursteen



FM-753 A4

Doorsteekanker optie 7 - Rvs A4

Technische gegevens



Product Dimensions

Referentie	Product Reference	Dimensions [ØxL] [mm]	Thread length	Fixture thickness [t _{fix,max}] with standard setting depth [h _{ef,STD}] [mm]	Fixture thickness [t _{fix,max}] with reduced setting depth [h _{ef,RED}] [mm]	Hole diameter in fixture [d _f] [mm]	Hole diameter [d ₁] x depth [h ₁] in substrate [mm]	Min. setting depth [h _{ef}] [mm]	Qty per box	Gewicht [kg]
7532000806500	FM-753 A4	M8x65	38	7	15	9	8x60	40	100	0.027
7532000807500	FM-753 A4	M8x75	48	15	25	9	8x60	40	100	0.03
7532000809000	FM-753 A4	M8x90	63	30	40	9	8x60	40	100	0.035
7532001007500	FM-753 A4	M10x75	43	5	20	12	10x70	50	50	0.052
7532001009000	FM-753 A4	M10x90	55	20	35	12	10x70	50	50	0.059
7532001012000	FM-753 A4	M10x120	85	50	65	12	10x70	50	50	0.074
7532001210000	FM-753 A4	M12x100	58	10	25	14	12x85	60	50	0.093
7532001211000	FM-753 A4	M12x110	68	20	35	14	12x85	60	50	0.1
7532001213500	FM-753 A4	M12x135	93	45	60	14	12x85	60	25	0.12
7532001617500	FM-753 A4	M16x175	88	60	80	18	16x115	85	20	0.28

* Anchors with reduced embedment depths

** Not covered by CE certification

FM-753 A4

Doorsteekanker optie 7 - Rvs A4

Design capacities - single anchor - no edge distances

Referentie	Product Reference	Dimensions [ØxL] [mm]	Design capacities - single anchor - no edge distances								
			Design capacity - Non-cracked concrete (3)								
			Tension - NRd (1)				Shear - VRd (1-2)				Bending moment MRd [Nm]
			C20/25 [kN]	C30/37 [kN]	C40/50 [kN]	C50/60 [kN]	C20/25 [kN]	C30/37 [kN]	C40/50 [kN]	C50/60 [kN]	
7532000806500	FM-753 A4	M8x65	5	5.85	6.6	7.1	8.3	-	-	-	18.04
7532000807500	FM-753 A4	M8x75	5	5.85	6.6	7.1	8.3	-	-	-	18.04
7532000809000	FM-753 A4	M8x90	5	5.85	6.6	7.1	8.3	-	-	-	18.04
7532001007500	FM-753 A4	M10x75	8	9.76	11.28	12.4	11.6	-	-	-	36.84
7532001009000	FM-753 A4	M10x90	8	9.76	11.28	12.4	11.6	-	-	-	36.84
7532001012000	FM-753 A4	M10x120	8	9.76	11.28	12.4	11.6	-	-	-	36.84
7532001210000	FM-753 A4	M12x100	15.2	18.544	21.432	23.56	20.6	20.6	20.6	20.6	63.9
7532001211000	FM-753 A4	M12x110	15.2	18.544	21.432	23.56	20.6	20.6	20.6	20.6	63.9
7532001213500	FM-753 A4	M12x135	15.2	18.544	21.432	23.56	20.6	20.6	20.6	20.6	63.9
7532001617500	FM-753 A4	M16x175	23.3	28.426	32.853	36.115	38.4	38.4	38.4	38.4	162.4

1. The design loads have been calculated using the partial safety factors for resistances stated in ETA-approval(s). The loading figures are valid for unreinforced concrete and reinforced concrete with a rebar spacing $s \geq 15$ cm (any diameter) or with a rebar spacing $s \geq 10$ cm, if the rebar diameter is 10mm or smaller.

2. The figures for shear are based on a single anchor without influence of concrete edges. For anchorages close to edges ($c \leq \max [10 \text{ hef}; 60d]$) the concrete edge failure shall be checked per ETAG 001, Annex C, design method A.

3. Concrete is considered non-cracked when the tensile stress within the concrete is $\sigma_L + \sigma_R \leq 0$. In the absence of detailed verification $\sigma_R = 3 \text{ N/mm}^2$ can be assumed (σ_L equals the tensile stress within the concrete induced by external loads, anchors loads included).

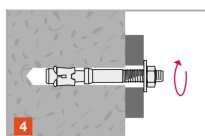
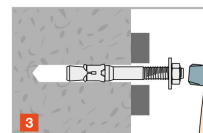
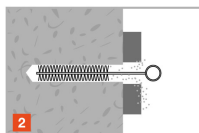
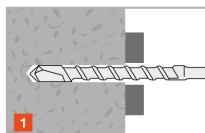
*) Short series with reduced embedment depth

**) Not covered by CE certification

FM-753 A4

Doorsteekanker optie 7 - Rvs A4

Plaatsing



Installation data

Referentie	Product Reference	Dimensions [ØxL] [mm]	Ø drilling hole [d0] [mm]	Min. drill depth [h1] [mm]	Ø drilling fixture [df] [mm]	Wrench size [SW] [mm]	Installation torque [Tinst] [Nm]	Embedment depth [hef] [mm]	Min. support thickness [hmin] [mm]
7532000806500	FM-753 A4	M8x65	8	60	9	13	15	40	100
7532000807500	FM-753 A4	M8x75	8	60	9	13	15	40	100
7532000809000	FM-753 A4	M8x90	8	60	9	13	15	40	100
7532001007500	FM-753 A4	M10x75	10	70	12	17	25	50	100
7532001009000	FM-753 A4	M10x90	10	70	12	17	25	50	100
7532001012000	FM-753 A4	M10x120	10	70	12	17	25	50	100
7532001210000	FM-753 A4	M12x100	12	85	14	19	50	60	120
7532001211000	FM-753 A4	M12x110	12	85	14	19	50	60	120
7532001213500	FM-753 A4	M12x135	12	85	14	19	50	60	120
7532001617500	FM-753 A4	M16x175	16	115	18	24	100	85	170

* Not included in the approval

FM-753 A4

Doorsteekanker optie 7 - Rvs A4

Spacings and Edge distances

Referentie	Product Reference	Dimensions [ØxL] [mm]	Min. edge distance [cmin] [mm]	Min. spacing [smin] [mm]	Characteristic edge distance [ccr,N] [mm]	Characteristic spacing(5) - Scr,N [scr,N] [mm]
7532000806500	FM-753 A4	M8x65	60	60	60	120
7532000807500	FM-753 A4	M8x75	60	60	60	120
7532000809000	FM-753 A4	M8x90	60	60	60	120
7532001007500	FM-753 A4	M10x75	75	75	75	150
7532001009000	FM-753 A4	M10x90	75	75	75	150
7532001012000	FM-753 A4	M10x120	75	75	75	150
7532001210000	FM-753 A4	M12x100	90	90	90	180
7532001211000	FM-753 A4	M12x110	90	90	90	180
7532001213500	FM-753 A4	M12x135	90	90	90	180
7532001617500	FM-753 A4	M16x175	130	130	130	260

