

FM-753 A4

Expanderskruv, rostfritt stål A4

Kraftig expanderskruv för medelhöga laster i storlekarna M6-M20. Option 7 klassad för montage i osprucken betong C20/25 - C50/60.

Egenskaper

Material

- Rostfritt stål A4

Fördelar

- Brett sortiment
- Enkel installation
- För aggressiva miljöer eller kustnära montage
- Kallformat stål
- Godkänd för reducerade sättdjup
- Clips med hullingar som förhindrar glidning vid montage

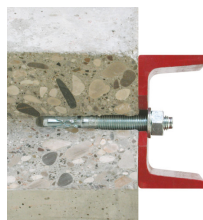
Användning

Användningsområden

- Räcken
- Metall- och träkonstruktioner
- Fasader

Lämplig för

- Osprucken betong
- Sten

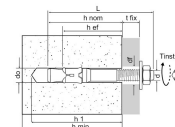
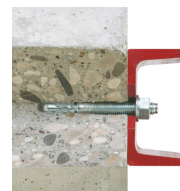


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Teknisk data

Product Dimensions



Art. nr.	Produktreferens	Dimensions [ØxL] [mm]	Thread length	Fästdonets tjocklek [$t_{fix,max}$] med standardinställningsdjup [$h_{ef,STD}$] [mm]	Fixturens tjocklek [$t_{fix,max}$] med reducerat sättningsdjup [$h_{ef,RED}$] [mm]	Håldiameter i fästdon [d_f] [mm]	Hålets diameter [d_o] x djup [h_1] i underlag [mm]	Min. infästningsdjup [h_{ef}] [mm]
7532000806500	FM-753 A4	M8x65	38	7	15	9	8x60	40
7532000807500	FM-753 A4	M8x75	48	15	25	9	8x60	40
7532000811500	FM-753 A4	M8x115	83	55	65	9	8x60	40
7532001006000	FM-753 A4	M10x60**/**	28	-	5	12	10x55	35
7532001007500	FM-753 A4	M10x75	43	5	20	12	10x70	50
7532001009000	FM-753 A4	M10x90	55	20	35	12	10x70	50
7532001012000	FM-753 A4	M10x120	85	50	65	12	10x70	50
7532001210000	FM-753 A4	M12x100	58	10	25	14	12x85	60
7532001211000	FM-753 A4	M12x110	68	20	35	14	12x85	60
7532001213500	FM-753 A4	M12x135	93	45	60	14	12x85	60

* Anchors with reduced embedment depths

** Not covered by CE certification

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Konstruktionskapacitet – enkel förankring – inga kantavstånd

Art. nr.	Produktreferens	Dimensions [ØxL] [mm]	Konstruktionskapacitet – enkel förankring – inga kantavstånd								
			Dimensioneringskapacitet – icke-sprickbildad betong (3)								
			Spänning - NRd (1)				Skärkraft - VRd (1-2)				Böjmoment 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
7532000811500	FM-753 A4	M8x115	5	5.85	6.6	7.1	8.3	-	-	-	18.04
7532001006000	FM-753 A4	M10x60**/**	8	9.76	11.28	12.4	11.6	-	-	-	36.84
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

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).

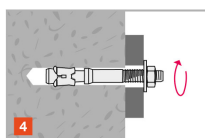
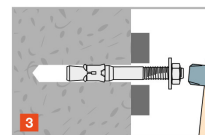
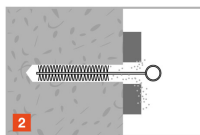
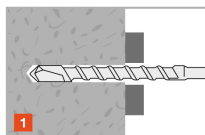
*) Short series with reduced embedment depth

**) Not covered by CE certification

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Montering



Installation data

Art. nr.	Produktreferens	Dimensions [ØxL] [mm]	Ø drilling hole [d0] [mm]	Min. borrdjup [h1] [mm]	Ø borrfixtur [df] [mm]	Wrench size [SW] [mm]	Installation torque [Tinst] [Nm]	Embedment depth [hef] [mm]	Min. stödtjocklek [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
7532000811500	FM-753 A4	M8x115	8	60	9	13	15	40	100
7532001006000	FM-753 A4	M10x60*/**	10	55	12	17	25	35	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

* Not included in the approval

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Avstånd och kantavstånd

Art. nr.	Produktreferens	Dimensions [ØxL] [mm]	Min. edge distance [cmin] [mm]	Min. spacing [smin] [mm]	Characteristic edge distance [ccr,N] [mm]	Karakteristiskt avstånd (5) - Scr,N [scr,N] [mm]
7532000806500	FM-753 A4	M8x65	60	60	60	120
7532000807500	FM-753 A4	M8x75	60	60	60	120
7532000811500	FM-753 A4	M8x115	60	60	60	120
7532001006000	FM-753 A4	M10x60*/**	75	75	75	150
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

