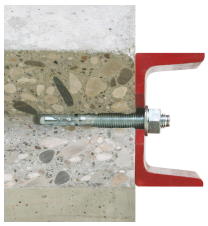
Technical Sheet

FM-753 A4
Stainless Steel Heavy Duty Wedge Anchor

Stainless steel wedge anchor for the medium load range, in sizes M8 - M16 for anchoring in non-cracked concrete C20/25 - C50/60.







Features

Material

- Stainless steel A4

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

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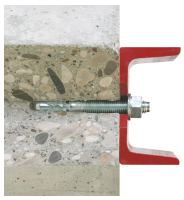
Stainless Steel Heavy Duty Wedge Anchor

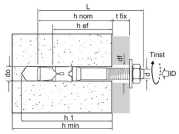
Technical Data

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Product Dimensions

Reference	Metallic fixings dimensions										
	Other								Product Reference	Product Dimensions[mm]	
	NOB nr.	Fixture thickness [$tfix,max$] with standard setting depth [hef,stD][mm]	Fixture thickness [$tfix,max$] with reduced setting depth [hef,reD][mm]	Hole diameter [d_o] x depth [h_1] in substrate[mm]	Min. setting depth [hef] [mm]	Qty per box[stk]	Qty per outer box	Weight[kg]		Dimensions[mm]	Thread length [Lv] [mm]
7532000606500	-	15	20	6x50	35	100.0	1000	0.015	FM-753 A4	M6x65**	40
7532000608500	-	35	40	6x50	35	100.0	1000	0.018	FM-753 A4	M6x85**	60
7532000805000	-	-	5	8x50	30	100.0	1000	0.023	FM-753 A4	M8x50*/**	23
7532000806500	60743009	7	15	8x60	40	100.0	1000	0.027	FM-753 A4	M8x65	38
7532000807500	60743010	15	25	8x60	40	100.0	400	0.03	FM-753 A4	M8x75	48
7532000809000	-	30	40	8x60	40	100.0	400	0.035	FM-753 A4	M8x90	63
7532000811500	60743011	55	65	8x60	40	100.0	400	0.043	FM-753 A4	M8x115	83
7532000813500	-	75	85	8x60	40	50.0	200	0.049	FM-753 A4	M8x135	88
7532000816500	-	105	115	8x60	40	50.0	200	0.057	FM-753 A4	M8x165	88
7532001006000	60343012	-	5	10x55	35	50.0	500	0.044	FM-753 A4	M10x60*/**	28
7532001007500	60743013	5	20	10x70	50	50.0	500	0.052	FM-753 A4	M10x75	43
7532001009000	60743014	20	35	10x70	50	50.0	200	0.059	FM-753 A4	M10x90	55
7532001012000	60743015	50	65	10x70	50	50.0	200	0.074	FM-753 A4	M10x120	85
7532001208000	-	-	7	12x70	45	50.0	200	0.079	FM-753 A4	M12x80*/**	40
7532001210000	60743016	10	25	12x85	60	50.0	200	0.093	FM-753 A4	M12x100	58
7532001211000	60743017	20	35	12x85	60	50.0	200	0.1	FM-753 A4	M12x110	68
7532001213500	60743018	45	60	12x85	60	25.0	100	0.12	FM-753 A4	M12x135	93
7532001216000	-	70	85	12x85	60	25.0	100	0.14	FM-753 A4	M12x160	93
7532001218500	-	100	115	12x85	60	25.0	100	0.15	FM-753 A4	M12x185	93
7532001611000	-	-	15	16x95	65	20.0	80	0.19	FM-753 A4	M16x110*/**	53

*) *Short series with reduced embedment depth*

**) *Not covered by CE certification*

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Stainless Steel Heavy Duty Wedge Anchor

Reference	Metallic fixings dimensions										
	Other								Product Reference	Product Dimensions[mm]	
	NOB nr.	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 [d_o] x depth [h_1] in substrate[mm]	Min. setting depth [h_{ef}] [mm]	Qty per box[stk]	Qty per outer box	Weight[kg]		Dimensions[mm]	Thread length [Lv] [mm]
7532001612500	-	10	30	16x115	85	20.0	80	0.21	FM-753 A4	M16x125	68
7532001614500	-	30	50	16x115	85	20.0	80	0.24	FM-753 A4	M16x145	88
7532001617500	-	60	80	16x115	85	20.0	80	0.28	FM-753 A4	M16x175	88

*) *Short series with reduced embedment depth*
**) *Not covered by CE certification*

Design capacities - single anchor - no edge distances

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
7532000606500		- -
7532000608500	A4	- -
	FM-753	

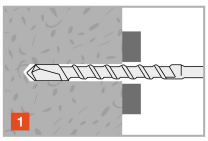
Design capacities - single anchor - no edge distances
See full table online ➡️

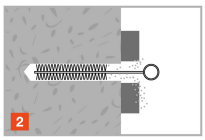
Technical Sheet

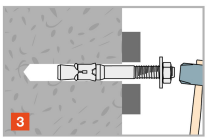
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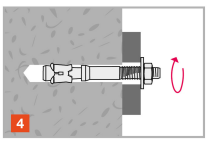
Stainless Steel Heavy Duty Wedge Anchor

Installation









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Stainless Steel Heavy Duty Wedge Anchor

Installation data

Reference	Metallic fixings dimensions				Installation data				
	Product Dimensions[mm]		Product Reference	Other	Installation data				Spacing and edge distances
	Dimensions[mm]	Wrench size[mm]		Hole diameter in fixture [df][mm]	Ø drilling hole[mm]	Min. drill depth[mm]	Installation torque[Nm]	Embedment depth[mm]	Min. support thickness[mm]
7532000606500	M6x65**	10	FM-753 A4	7	6	50	6	35	100
7532000608500	M6x85**	10	FM-753 A4	7	6	50	6	35	100
7532000805000	M8x50*/**	13	FM-753 A4	9	8	50	15	30	100
7532000806500	M8x65	13	FM-753 A4	9	8	60	15	40	100
7532000807500	M8x75	13	FM-753 A4	9	8	60	15	40	100
7532000809000	M8x90	13	FM-753 A4	9	8	60	15	40	100
7532000811500	M8x115	13	FM-753 A4	9	8	60	15	40	100
7532000813500	M8x135	13	FM-753 A4	9	8	60	15	40	100
7532000816500	M8x165	13	FM-753 A4	9	8	60	15	40	100
7532001006000	M10x60*/**	17	FM-753 A4	12	10	55	25	35	100
7532001007500	M10x75	17	FM-753 A4	12	10	70	25	50	100
7532001009000	M10x90	17	FM-753 A4	12	10	70	25	50	100
7532001012000	M10x120	17	FM-753 A4	12	10	70	25	50	100
7532001208000	M12x80*/**	19	FM-753 A4	14	12	70	50	45	100
7532001210000	M12x100	19	FM-753 A4	14	12	85	50	60	120
7532001211000	M12x110	19	FM-753 A4	14	12	85	50	60	120
7532001213500	M12x135	19	FM-753 A4	14	12	85	50	60	120
7532001216000	M12x160	19	FM-753 A4	14	12	85	50	60	120
7532001218500	M12x185	19	FM-753 A4	14	12	85	50	60	120
7532001611000	M16x110*/**	24	FM-753 A4	18	16	95	100	65	130
7532001612500	M16x125	24	FM-753 A4	18	16	115	100	85	170
7532001614500	M16x145	24	FM-753 A4	18	16	115	100	85	170
7532001617500	M16x175	24	FM-753 A4	18	16	115	100	85	170

* Not included in the approval

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Stainless Steel Heavy Duty Wedge Anchor

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]
7532000606500	M6x65**	FM-753 A4	50	50	53	105
7532000608500	M6x85**	FM-753 A4	50	50	53	105
7532000805000	M8x50*/**	FM-753 A4	60	60	60	120
7532000806500	M8x65	FM-753 A4	60	60	60	120
7532000807500	M8x75	FM-753 A4	60	60	60	120
7532000809000	M8x90	FM-753 A4	60	60	60	120
7532000811500	M8x115	FM-753 A4	60	60	60	120
7532000813500	M8x135	FM-753 A4	60	60	60	120
7532000816500	M8x165	FM-753 A4	60	60	60	120
7532001006000	M10x60*/**	FM-753 A4	75	75	75	150
7532001007500	M10x75	FM-753 A4	75	75	75	150
7532001009000	M10x90	FM-753 A4	75	75	75	150
7532001012000	M10x120	FM-753 A4	75	75	75	150
7532001208000	M12x80*/**	FM-753 A4	90	90	90	180
7532001210000	M12x100	FM-753 A4	90	90	90	180
7532001211000	M12x110	FM-753 A4	90	90	90	180
7532001213500	M12x135	FM-753 A4	90	90	90	180
7532001216000	M12x160	FM-753 A4	90	90	90	180
7532001218500	M12x185	FM-753 A4	90	90	90	180
7532001611000	M16x110*/**	FM-753 A4	130	130	130	260
7532001612500	M16x125	FM-753 A4	130	130	130	260
7532001614500	M16x145	FM-753 A4	130	130	130	260
7532001617500	M16x175	FM-753 A4	130	130	130	260

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