

Wedge Anchor B A4

Stainless steel A4/316



Description

The Wedge Anchor B A4 is the stainless steel version of Wedge Anchor B. It offers excellent load bearing capacities, small anchor spacings and edge distances.

Wedge Anchor B HCR (high corrosion resistant) in stainless steel 1.4529 on request.

Applications

Indoor and outdoor medium to heavy duty applications: Suspended ceilings (M6-M10), metal constructions, channels, brackets, supports, cladding systems, hand rails, cable trays, ducts.

Range of concrete quality: C20/25 - C50/60



Software available

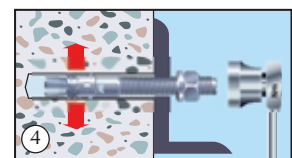
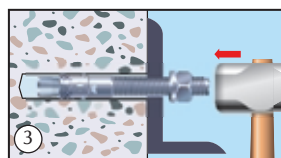
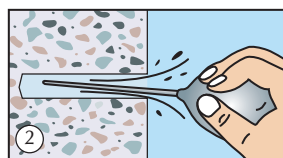
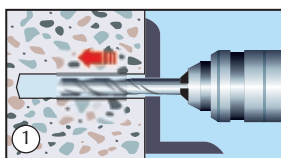
Loads and performance data			M6	M8	M10	M12	M16	M20
non-cracked concrete C25/30								
Recommended loads, tension	rec. N	[kN]	2.80	4.40	5.90	11.00	15.40	20.16
Recommended loads, shear	rec. V	[kN]	3.20	5.70	7.30	13.50	23.60	29.50
Recommended bending moments	rec. M	[Nm]	3.90	9.70	19.20	33.70	85.60	166.20

Installation parameters

Drill hole diameter	d_o	[mm]	6	8	10	12	16	20
Diameter of clearance hole in the fixture	d_f	[mm]	7	9	12	14	18	22
Depth of drill hole	h_1	[mm]	60	65	70	90	110	130
Effective anchorage depth	h_{ef}	[mm]	40	44	48	65	82	100
Minimum thickness of concrete slab	h	[mm]	100	100	100	130	170	200
Installation torque	T_{inst}	[Nm]	7.5	15	30	50	100	200
Width across nut	SW	[mm]	10	13	17	19	24	30

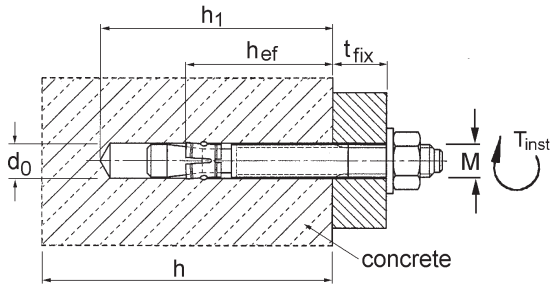
Load performance of reduced anchorage depth should refer design product data sheet

Installation of MKT B A4 Wedge Anchor



1. Drill to specified diameter and depth.
2. Clean the hole with blow-out bulb.
3. Drive anchor carefully with hammer into hole until nut and washer are flush with fixture.
4. Install fixture and tighten anchor to specified torque. If the marking in the threaded part of the anchor bolt becomes visible, do not load anchor. Refer to approvals and schedules for design and building code compliance.





DIBt approval Z-21.1-1598

Recommended tension loads for single anchor without influence of spacing and edge distance, total safety factor 3

Tension [kN]		Non-cracked concrete					
Concrete strength	M6	M8	M10	M12	M16	M20	
C20/25	2.52	3.96	5.31	9.90	13.86	18.14	
C25/30	2.80	4.40	5.90	11.00	15.40	20.16	
C30/37	3.08	4.84	6.49	12.10	16.94	22.17	
C40/50	3.55	5.58	7.49	13.97	19.55	25.60	
C50/60	3.92	6.16	8.26	15.40	21.56	28.22	

Recommended shear loads for single anchor without influence of spacing and edge distance, total safety factor 3 in non-cracked concrete from C20/25 up to C50/60

Shear [kN]		Non-cracked concrete					
Concrete strength	M6	M8	M10	M12	M16	M20	
≥ C20/25	3.20	5.70	7.30	13.50	23.60	29.50	

Wedge Anchor B A4



- Stainless steel A4/316
- DIBt Approval for non-cracked concrete

Item No	Description	Drill hole Ø x depth mm	Setting depth mm	Fixture thickness t _{fix} mm	Anchor length l mm	Thread Ø x length mm	Pkg. cont. pcs.	Weight per pkg. kg
2020106040	B 6-5/40* A4	6 x 40	30	5	40	M6 x 16	100	1.12
2020106052	B 6-5/52* A4	6 x 45	35	5	52	M6 x 16	100	1.38
2020106067	B 6-10/67 A4	6 x 60	50	10	67	M6 x 20	100	1.62
2020106082	B 6-25/82 A4	6 x 60	50	25	82	M6 x 20	100	2.07
2020106097	B 6-40/97 A4	6 x 60	50	40	97	M6 x 20	100	2.35
2020108050	B 8-5/50* A4	8 x 45	35	5	50	M8 x 22	100	2.32
2020108060	B 8-10/60* A4	8 x 50	40	10	60	M8 x 25	100	2.74
2020108075	B 8-10/75 A4	8 x 65	55	10	75	M8 x 25	100	3.44
2020108080	B 8-15/80 A4	8 x 65	55	15	80	M8 x 25	100	3.55
2020108085	B 8-20/85 A4	8 x 65	55	20	85	M8 x 25	100	3.84
2020108095	B 8-30/95 A4	8 x 65	55	30	95	M8 x 25	100	4.19
2020108110	B 8-45/110 A4	8 x 65	55	45	110	M8 x 25	100	4.78
2020108120	B 8-55/120 A4	8 x 65	55	55	120	M8 x 25	100	5.09
2020110060	B 10-10/60* A4	10 x 50	40	10	60	M10 x 25	50	2.31
2020110080	B 10-10/80 A4	10 x 70	60	10	80	M10 x 30	50	3.00
2020110085	B 10-15/85 A4	10 x 70	60	15	85	M10 x 30	50	3.06
2020110090	B 10-20/90 A4	10 x 70	60	20	90	M10 x 30	50	3.26
2020110100	B 10-30/100 A4	10 x 70	60	30	100	M10 x 30	50	3.47
2020110115	B 10-45/115 A4	10 x 70	60	45	115	M10 x 30	50	4.00
2020110120	B 10-50/120 A4	10 x 70	60	50	120	M10 x 30	50	4.21
2020110140	B 10-70/140 A4	10 x 70	60	70	140	M10 x 30	50	4.84
2020110170	B 10-100/170 A4	10 x 70	60	100	170	M10 x 30	50	5.70
2020110210	B 10-140/210 A4	10 x 70	60	140	210	M10 x 30	25	3.79
2020112075	B 12-5/75* A4	12 x 60	50	5	75	M12 x 30	25	2.10
2020112095	B 12-10/95* A4	12 x 80	70	10	95	M12 x 50	25	2.50
2020112110	B 12-15/110 A4	12 x 90	80	15	110	M12 x 35	25	2.62
2020112115	B 12-20/115 A4	12 x 90	80	20	115	M12 x 35	25	2.84
2020112125	B 12-30/125 A4	12 x 90	80	30	125	M12 x 35	25	3.11
2020112145	B 12-50/145 A4	12 x 90	80	50	145	M12 x 35	25	3.48
2020112160	B 12-65/160 A4	12 x 90	80	65	160	M12 x 35	25	3.82
2020112180	B 12-85/180 A4	12 x 90	80	85	180	M12 x 80	25	4.21
2020112200	B 12-105/200 A4	12 x 90	80	105	200	M12 x 80	25	4.64
2020112220	B 12-125/220 A4	12 x 90	80	125	220	M12 x 80	25	5.10
2020112240	B 12-145/240 A4	12 x 90	80	145	240	M12 x 80	20	4.48
2020116115	B 16-15/115* A4	16 x 90	80	15	115	M16 x 35	20	4.14
2020116145	B 16-30/145 A4	16 x 110	100	30	145	M16 x 40	20	5.04
2020116175	B 16-60/175 A4	16 x 110	100	60	175	M16 x 40	20	6.01
2020116195	B 16-80/195 A4	16 x 110	100	80	195	M16 x 80	10	3.45
2020116215	B 16-100/215 A4	16 x 110	100	100	215	M16 x 80	10	3.77
2020116245	B 16-130/245 A4	16 x 110	100	130	245	M16 x 80	10	4.25
2020120145	B 20-5/145* A4	20 x 130	120	5	145	M20 x 45	10	4.06
2020120180	B 20-35/180 A4	20 x 130	120	35	180	M20 x 45	10	4.96
2020120205	B 20-60/205 A4	20 x 130	120	60	205	M20 x 45	10	5.55
2020120240	B 20-95/240 A4	20 x 130	120	95	240	M20 x 45	10	6.50

*) Not part of DIBt approval for reduced anchorage depth

