Quick-fix anchor BAZ plus

Advantages

BAZ plus, zinc plated

BAZ plus A4, stainless steel A4

- High-performance quick-fix anchor for cracked concrete.
- Very high load values even with small edge and axial distances; usable also in difficult installation situations
- Suitable for usage under seismic action (C2)
- Two different setting depths for the dimensions M10 and M12 for higher application flexibility
- Setting depth marking ring for quick installation
- Length marking on top of the BAZ plus

Suitable building materials

Very suitable

- Concrete

Approvals and certificates

ETA CE — European Technical Assessment Option 1 for cracked concrete

Option 1

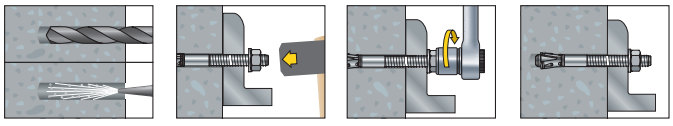
R 120 — see assessment

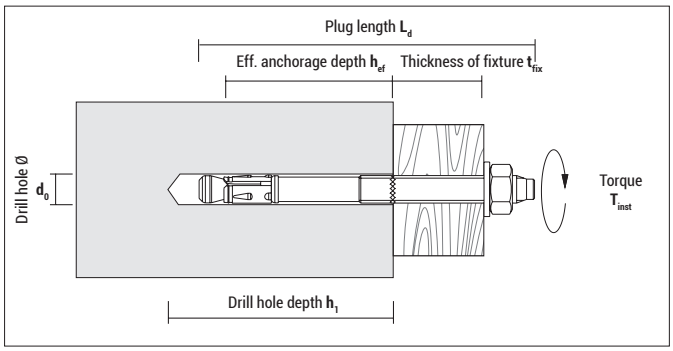
M8 - M16

FIXING seismic C2

A4 STAINLESS STEEL

Mounting





Quick-fix anchor BAZ plus

BAZ plus, zinc plated

Type	Art-No	d_0 [mm]	$h_1 \geq$ [mm]	$h_{ef} \geq$ [mm]	L_d [mm]	$t_{fix} \leq$ [mm]	Thread	ETA	€ / 100 pcs	[pcs]	[pcs]
8-75/10	9875BAZP	8	60	48	75	10	M8	●		50	250
8-95/30	9895BAZP	8	60	48	95	30	M8	●		50	250
8-115/50	98115BAZP	8	60	48	115	50	M8	●		40	200
8-150/85	98150BAZP	8	60	48	150	85	M8	●		40	200
10-72/10	91072BAZP	10	55	40	72	10	M10	●		40	200
10-92/10	91092BAZP	10	55 / 75	40 / 60	92	30 / 10	M10	●		40	200
10-102/20	910102BAZP	10	55 / 75	40 / 60	102	40 / 20	M10	●		25	125
10-112/30	910112BAZP	10	55 / 75	40 / 60	112	50 / 30	M10	●		25	125
10-132/50	910132BAZP	10	55 / 75	40 / 60	132	70 / 50	M10	●		25	125
10-162/80	910162BAZP	10	55 / 75	40 / 60	162	100 / 80	M10	●		25	125
12-88/10	91288BAZP	12	70	50	88	10	M12	●		20	100
12-103/5	912103BAZP	12	70 / 90	50 / 70	103	25 / 5	M12	●		20	100
12-118/20	912118BAZP	12	70 / 90	50 / 70	118	40 / 20	M12	●		20	100
12-128/30	912128BAZP	12	70 / 90	50 / 70	128	50 / 30	M12	●		20	100
12-148/50	912148BAZP	12	70 / 90	50 / 70	148	70 / 50	M12	●		20	100
12-163/65	912163BAZP	12	70 / 90	50 / 70	163	85 / 65	M12	●		20	100
12-178/80	912178BAZP	12	70 / 90	50 / 70	178	100 / 80	M12	●		20	100
16-123/5	916123BAZP	16	110	85	123	5	M16	●		10	50
16-138/20	916138BAZP	16	110	85	138	20	M16	●		10	50
16-168/50	916168BAZP	16	110	85	168	50	M16	●		10	50
16-178/60	916178BAZP	16	110	85	178	60	M16	●		10	50

A4 STAINLESS STEEL

BAZ plus A4, stainless steel A4

Type	Art-No	d_0 [mm]	$h_1 \geq$ [mm]	$h_{ef} \geq$ [mm]	L_d [mm]	$t_{fix} \leq$ [mm]	Thread	ETA	€ / 100 pcs	[pcs]	[pcs]
8-75/10 A4	9X875BAZP	8	60	48	75	10	M8	●		50	250
8-95/30 A4	9X895BAZP	8	60	48	95	30	M8	●		50	250
8-115/50 A4	9X8115BAZP	8	60	48	115	50	M8	●		40	200
8-150/85 A4	9X8150BAZP	8	60	48	150	85	M8	●		40	200
10-72/10 A4	9X1072BAZP	10	55	40	72	10	M10	●		40	200
10-92/10 A4	9X1092BAZP	10	55 / 75	40 / 60	92	30 / 10	M10	●		40	200
10-102/20 A4	9X10102BAZP	10	55 / 75	40 / 60	102	40 / 20	M10	●		25	125
10-112/30 A4	9X10112BAZP	10	55 / 75	40 / 60	112	50 / 30	M10	●		25	125
10-132/50 A4	9X10132BAZP	10	55 / 75	40 / 60	132	70 / 50	M10	●		25	125
10-162/80 A4	9X10162BAZP	10	55 / 75	40 / 60	162	100 / 80	M10	●		25	125
12-88/10 A4	9X1288BAZP	12	70	50	88	10	M12	●		20	100
12-103/5 A4	9X12103BAZP	12	70 / 90	50 / 70	103	25 / 5	M12	●		20	100
12-118/20 A4	9X12118BAZP	12	70 / 90	50 / 70	118	40 / 20	M12	●		20	100
12-128/30 A4	9X12128BAZP	12	70 / 90	50 / 70	128	50 / 30	M12	●		20	100
12-148/50 A4	9X12148BAZP	12	70 / 90	50 / 70	148	70 / 50	M12	●		20	100
12-163/65 A4	9X12163BAZP	12	70 / 90	50 / 70	163	85 / 65	M12	●		20	100
12-178/80 A4	9X12178BAZP	12	70 / 90	50 / 70	178	100 / 80	M12	●		20	100
16-123/5 A4	9X16123BAZP	16	110	85	123	5	M16	●		10	50
16-138/20 A4	9X16138BAZP	16	110	85	138	20	M16	●		10	50
16-168/50 A4	9X16168BAZP	16	110	85	168	50	M16	●		10	50
16-178/60 A4	9X16178BAZP	16	110	85	178	60	M16	●		10	50

Quick-fix anchor BAZ plus

Installation parameters

BAZ plus Size		M8		M10		M12		M16	
BAZ plus Type		BAZ plus zinc plated	BAZ plus stainless steel A4	BAZ plus zinc plated	BAZ plus stainless steel A4	BAZ plus zinc plated	BAZ plus stainless steel A4	BAZ plus zinc plated	BAZ plus stainless steel A4
Torque	T_{inst} [Nm]	15	20	30	45	60		110	
Width across flats	SW [mm]	13		17		19		24	
Ø of clearance hole in fixture	d_f [mm]	9		12		14		18	
Washer outer Ø x thickness	[mm]	17 x 1,6		21 x 2,0		24 x 2,5		30 x 3,0	

Spacing and edge distance

BAZ plus Size		M8	M10		M12		M16
Effective anchorage depth	h_{ef} [mm]	48	40	60	50	70	85
Minimum edge distance	C_{min} [mm]	40	50	50	60	55	65
	for S ≥ [mm]	55	190	100	215	110	150
Minimum spacing	S_{min} [mm]	35	50	40	55	60	65
	for C ≥ [mm]	50	95	60	110	70	95
Characteristic edge distance	C_{cr} [mm]	72	60	90	75	105	127
Characteristic spacing	S_{cr} [mm]	144	120	180	150	210	254
Min. thickness of structural part	h_{min} [mm]	100	100	120	100	140	170
Reduced min. thickness of structural part[1)]	$h_{min-red}$ [mm]	80	–	100	–	–	–

If underrun the char. spacing or edge distance (C_{cr} or S_{cr}) the loads must be reduced. h_{min}, S_{min} and C_{min} must be observed.

[1)] Reduced min. thickness of structural part only in non-cracked concrete.

Permissible loads

BAZ plus Size		M8	M10		M12		M16
Effective anchorage depth	h_{ef} [mm]	48	40	60	50	70	85
Permissible tension load [1), 2)] for single anchor without influence of spacing and edge distance in cracked concrete C20/25 [3)]							
BAZ plus zinc plated	N_{per} [kN]	4,0	4,1	5,7	5,8	7,6	11,4
BAZ plus stainless steel A4	N_{per} [kN]	4,0	4,1	5,7	5,8	7,6	11,4
Permissible tension load [1), 2)] for single anchor without influence of spacing and edge distance in non-cracked concrete C20/25 [3)]							
BAZ plus zinc plated	N_{per} [kN]	5,2	5,7	9,0	8,3	11,9	17,1
BAZ plus stainless steel A4	N_{per} [kN]	5,2	5,7	9,0	8,3	11,9	17,1
Permissible shear load [1), 2)] for single anchor without influence of spacing and edge distance in cracked concrete C20/25 [3)]							
BAZ plus zinc plated	V_{per} [kN]	7,2	11,7	11,7	17,1	17,1	30,9
BAZ plus stainless steel A4	V_{per} [kN]	9,0	11,7	11,7	17,2	19,7	36,4
Permissible shear load [1), 2)] for single anchor without influence of spacing and edge distance in non-cracked concrete C20/25 [3)]							
BAZ plus zinc plated	V_{per} [kN]	7,2	11,7	11,7	17,1	17,1	30,9
BAZ plus stainless steel A4	V_{per} [kN]	9,0	11,7	11,7	19,7	19,7	39,2
Permissible bending moment [1), 2)]							
BAZ plus zinc plated	M_{per} [Nm]	15,0	29,1		51,4		125,6
BAZ plus stainless steel A4	M_{per} [Nm]	14,3	29,1		51,4		122,7

[1)] For further information please refer to the ETA assessment

[2)] Load figures include the resistances' partial safety factors as per ETA assessments and a partial safety factor on the action of γ_F = 1,4.
Load figures apply for a rebar spacing S ≥ 15 cm or alternatively for a rebar spacing S ≥ 10 cm in combination with a rebar diameter of ds ≤ 10 mm..

[3)] For higher concrete strengths up to C50/60 the values increase by max. 58%.