

# Quick-fix anchor BAZ



## Advantages



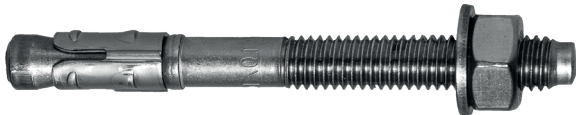
BAZ, zinc plated



BAZ A4, stainless steel A4



BAZ HD, hot-dip galvanized



BAZ HCR, stainless steel, high corrosion resistant

- Quick-fix anchor with good load values for cracked and non-cracked concrete and suitable for use under seismic action (C1)
- High load values even with small edge and axial distances; reliable also in difficult installation situations
- Large assortment in several materials

## Suitable building materials

### Very suitable



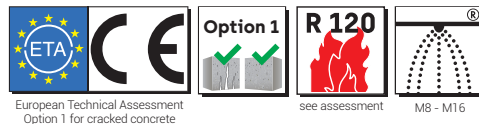
- Concrete



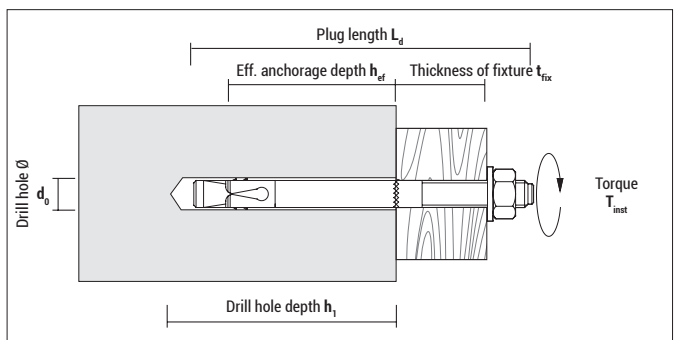
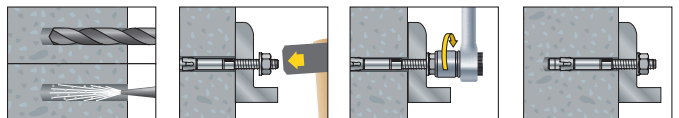
### Suitable to a limited extent

- Dense natural stone (up to M8)

## Approvals and certificates



## Mounting



## Quick-fix anchor BAZ



## BAZ, zinc plated

Type	Art-No	d <sub>0</sub> [mm]	h <sub>1</sub> ≥ [mm]	h <sub>ef</sub> ≥ [mm]	L <sub>d</sub> [mm]	t <sub>fix</sub> ≤ [mm]	Thread	ETA	€/100 pcs	[pcs]	[pcs]
6-40/2	9640BAZ	6	35	25	40	2	M6	–		150	750
6-65/15	9665BAZ	6	45	35	65	15	M6	–		100	500
8-52/2	9852BAZ	8	45	30	52	2	M8	–		100	500
8-72/10	9872BAZ	8	60	45	72	10	M8	●		50	250
8-92/30	9892BAZ	8	60	45	92	30	M8	●		50	250
8-112/50	98112BAZ	8	60	45	112	50	M8	●		40	200
8-147/85	98147BAZ	8	60	45	147	85	M8	●		40	200
10-92/10	91092BAZ	10	75	60	92	10	M10	●		40	200
10-102/20	910102BAZ	10	75	60	102	20	M10	●		25	125
10-112/30	910112BAZ	10	75	60	112	30	M10	●		25	125
10-132/50	910132BAZ	10	75	60	132	50	M10	●		25	125
10-162/80	910162BAZ	10	75	60	162	80	M10	●		25	125
12-103/5	912103BAZ	12	90	70	103	5	M12	●		20	100
12-118/20	912118BAZ	12	90	70	118	20	M12	●		20	100
12-128/30	912128BAZ	12	90	70	128	30	M12	●		20	100
12-148/50	912148BAZ	12	90	70	148	50	M12	●		20	100
12-163/65	912163BAZ	12	90	70	163	65	M12	●		20	100
12-178/80	912178BAZ	12	90	70	178	80	M12	●		20	100
16-123/5	916123BAZ	16	110	85	123	5	M16	●		10	50
16-138/20	916138BAZ	16	110	85	138	20	M16	●		10	50
16-178/60	916178BAZ	16	110	85	178	60	M16	●		10	50



## BAZ A4, stainless steel A4



Type	Art-No	d <sub>0</sub> [mm]	h <sub>1</sub> ≥ [mm]	h <sub>ef</sub> ≥ [mm]	L <sub>d</sub> [mm]	t <sub>fix</sub> ≤ [mm]	Thread	ETA	€/100 pcs	[pcs]	[pcs]
6-40/2 A4	9X640BAZ	6	35	25	40	2	M6	–		150	750
6-65/15 A4	9X665BAZ	6	45	35	65	15	M6	–		100	500
8-52/2 A4	9X852BAZ	8	45	30	52	2	M8	–		100	500
8-72/10 A4	9X872BAZ	8	60	45	72	10	M8	●		50	250
8-92/30 A4	9X892BAZ	8	60	45	92	30	M8	●		50	250
8-112/50 A4	9X8112BAZ	8	60	45	112	50	M8	●		40	200
10-60/10 A4	9X1060BAZ	10	38	23	60	10	M10	–		50	250
10-92/10 A4	9X1092BAZ	10	75	60	92	10	M10	●		40	200
10-102/20 A4	9X10102BAZ	10	75	60	102	20	M10	●		25	125
10-112/30 A4	9X10112BAZ	10	75	60	112	30	M10	●		25	125
10-132/50 A4	9X10132BAZ	10	75	60	132	50	M10	●		25	125
12-103/5 A4	9X12103BAZ	12	90	70	103	5	M12	●		20	100
12-118/20 A4	9X12118BAZ	12	90	70	118	20	M12	●		20	100
12-128/30 A4	9X12128BAZ	12	90	70	128	30	M12	●		20	100
12-148/50 A4	9X12148BAZ	12	90	70	148	50	M12	●		20	100
12-163/65 A4	9X12163BAZ	12	90	70	163	65	M12	●		20	100
16-123/5 A4	9X16123BAZ	16	110	85	123	5	M16	●		10	50
16-138/20 A4	9X16138BAZ	16	110	85	138	20	M16	●		10	50
16-168/50 A4	9X16168BAZ	16	110	85	168	50	M16	●		10	50



## Blister BAZ, zinc plated

Type	Art-No	d <sub>0</sub> [mm]	h <sub>1</sub> ≥ [mm]	h <sub>ef</sub> ≥ [mm]	L <sub>d</sub> [mm]	t <sub>fix</sub> ≤ [mm]	Thread	ETA	€/Blister	[pcs]	[Blister]
8-72/10	5874BAZ2	8	60	45	72	10	M8	●		2	10
10-92/10	51095BAZ2	10	75	60	92	10	M10	●		2	10
12-118/20	512115BAZ2	12	90	70	118	20	M12	●		2	10

Quick-fix anchor BAZ



BAZ HD, hot-dip galvanized

Type	Art-No	d <sub>0</sub> [mm]	h <sub>1</sub> ≥ [mm]	h <sub>ef</sub> ≥ [mm]	L <sub>d</sub> [mm]	t <sub>fix</sub> ≤ [mm]	Thread	ETA	€/100 pcs	[pcs]	[pcs]
6-40/2 HD	9HD640BAZ	6	35	25	40	2	M6	–		150	750
6-65/15 HD	9HD665BAZ	6	45	35	65	15	M6	–		100	500
8-52/2 HD	9HD852BAZ	8	45	30	52	2	M8	–		100	500
8-72/10 HD	9HD872BAZ	8	60	45	72	10	M8	●		50	250
8-92/30 HD	9HD892BAZ	8	60	45	92	30	M8	●		50	250
8-112/50 HD	9HD8112BAZ	8	60	45	112	50	M8	●		40	200
8-147/85 HD	9HD8147BAZ	8	60	45	147	85	M8	●		40	200
10-60/10 HD	9HD1060BAZ	10	38	23	60	10	M10	–		50	250
10-92/10 HD	9HD1092BAZ	10	75	60	92	10	M10	●		40	200
10-102/20 HD	9HD10102BAZ	10	75	60	102	20	M10	●		25	125
10-112/30 HD	9HD10112BAZ	10	75	60	112	30	M10	●		25	125
10-132/50 HD	9HD10132BAZ	10	75	60	132	50	M10	●		25	125
10-162/80 HD	9HD10162BAZ	10	75	60	162	80	M10	●		25	125
12-103/5 HD	9HD12103BAZ	12	90	70	103	5	M12	●		20	100
12-118/20 HD	9HD12118BAZ	12	90	70	118	20	M12	●		20	100
12-128/30 HD	9HD12128BAZ	12	90	70	128	30	M12	●		20	100
12-148/50 HD	9HD12148BAZ	12	90	70	148	50	M12	●		20	100
12-163/65 HD	9HD12163BAZ	12	90	70	163	65	M12	●		20	100
12-178/80 HD	9HD12178BAZ	12	90	70	178	80	M12	●		20	100
16-123/5 HD	9HD16123BAZ	16	110	85	123	5	M16	●		10	50
16-138/20 HD	9HD16138BAZ	16	110	85	138	20	M16	●		10	50
16-168/50 HD	9HD16168BAZ	16	110	85	168	50	M16	●		10	50
16-178/60 HD	9HD16178BAZ	16	110	85	178	60	M16	●		10	50



BAZ HCR, stainless steel, high corrosion resistant

Type	Art-No	d <sub>0</sub> [mm]	h <sub>1</sub> ≥ [mm]	h <sub>ef</sub> ≥ [mm]	L <sub>d</sub> [mm]	t <sub>fix</sub> ≤ [mm]	Thread	ETA	€/100 pcs	[pcs]	[pcs]
8-72/10 HCR	9HCR872BAZ	8	60	45	72	10	M8	●		50	250
10-92/10 HCR	9HCR1092BAZ	10	75	60	92	10	M10	●		40	200
10-112/30 HCR	9HCR10112BAZ	10	75	60	112	30	M10	●		25	125

No stock item; only available on request



Single label BAZ, zinc plated

Type	Art-No	d <sub>0</sub> [mm]	h <sub>1</sub> ≥ [mm]	h <sub>ef</sub> ≥ [mm]	L <sub>d</sub> [mm]	t <sub>fix</sub> ≤ [mm]	Thread	ETA	€/pc	[pcs]
8-72/10	1872BAZ	8	60	45	72	10	M8	●		50
8-92/30	1892BAZ	8	60	45	92	30	M8	●		50
10-92/10	11092BAZ	10	75	60	92	10	M10	●		40
10-112/30	110112BAZ	10	75	60	112	30	M10	●		25
12-118/20	112118BAZ	12	90	70	118	20	M12	●		20
12-148/50	112148BAZ	12	90	70	148	50	M12	●		20

Quick-fix anchor BAZ



Single label BAZ A4, stainless steel A4

Type	Art-No	d <sub>0</sub> [mm]	h <sub>1</sub> ≥ [mm]	h <sub>ef</sub> ≥ [mm]	L <sub>d</sub> [mm]	t <sub>fix</sub> ≤ [mm]	Thread	ETA	€ / pc	[pcs]
8-72/10 A4	1X872BAZ	8	60	45	72	10	M8	●		50
8-92/30 A4	1X892BAZ	8	60	45	92	30	M8	●		50
10-92/10 A4	1X1092BAZ	10	75	60	92	10	M10	●		40
10-112/30 A4	1X10112BAZ	10	75	60	112	30	M10	●		25
12-118/20 A4	1X12118BAZ	12	90	70	118	20	M12	●		20

Installation parameters

BAZ Size	BAZ Type	M6*	M8		M10	M12		M16
			BAZ BAZ HD	BAZ A4 BAZ HCR		BAZ BAZ HD	BAZ A4 BAZ HCR	
Torque	T <sub>inst</sub> [Nm]	7	20 / 15**	20	35	50	70	120
Width across flats	SW [mm]	10	13		17	19		24
Ø of clearance hole in fixture	d <sub>f</sub> [mm]	7	9		12	14		18
Washer outer Ø x thickness	[mm]	12 x 1,6	17 x 1,6		21 x 2,0	24 x 2,5		30 x 3,0

\* Not part of the assessment

\*\* 20 for BAZ, 15 for BAZ HD

Spacing and edge distance

BAZ Size		M8	M10	M12	M16
Effective anchorage depth	h <sub>ef</sub> [mm]	45	60	70	85
Minimum edge distance	C <sub>min</sub> [mm]	50	50	55	85
	for S ≥ [mm]	50	100	145	150
Minimum spacing	S <sub>min</sub> [mm]	50	55	60	70
	for C ≥ [mm]	50	80	90	120
Characteristic edge distance	C <sub>cr</sub> [mm]	68	90	105	128
Characteristic spacing	S <sub>cr</sub> [mm]	135	180	210	255
Min. thickness of structural part	h <sub>min</sub> [mm]	100	120	140	170

If underrun the char. spacing or edge distance (C<sub>cr</sub> or S<sub>cr</sub>) the loads must be reduced. h<sub>min</sub>, S<sub>min</sub> and C<sub>min</sub> must be observed.

Loads

BAZ Size	BAZ Type	M8		M10		M12		M16	
		BAZ zinc plated BAZ HD	BAZ A4 BAZ HCR	BAZ zinc plated BAZ HD	BAZ A4 BAZ HCR	BAZ zinc plated BAZ HD	BAZ A4 BAZ HCR	BAZ zinc plated-BAZ HD	BAZ A4 BAZ HCR
Permissible tension loads for single anchor without influence of spacing and edge distance <sup>1), 2)</sup>									
In cracked concrete C20/25 <sup>3)</sup>	N <sub>per</sub> [kN]	2,0	2,0	3,6	3,6	4,8	4,8	9,5	9,5
In non-cracked concrete C20/25 <sup>3)</sup>	N <sub>per</sub> [kN]	3,6	3,6	6,3	6,3	7,9	7,9	16,7	16,7
Permissible shear loads for single anchor without influence of spacing and edge distance <sup>1), 2)</sup>									
In cracked concrete C20/25	V <sub>per</sub> [kN]	5,2	5,2	10,3	9,7	13,1	14,3	25,1	26,9
In non-cracked concrete C20/25	V <sub>per</sub> [kN]	5,7	6,3	10,3	9,7	13,1	14,3	25,1	26,9
Permissible bending moment	M <sub>per</sub> [Nm]	12,0	12,6	27,4	25,7	41,1	45,1	106,3	114,3

<sup>1)</sup> For further information please refer to the ETA assessment

<sup>2)</sup> Load figures include the resistances' partial safety factors as per ETA assessment and a partial safety factor on the action of γ<sub>F</sub> = 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 d<sub>s</sub> ≤ 10 mm.

<sup>3)</sup> For higher concrete strengths up to C50/60 the values increase by max. 28%.

Recommended loads for the not approved anchor sizes M6, M10 in non-cracked concrete C20/25

Type	N <sub>rec</sub> [kN]	V <sub>rec</sub> [kN]	Anchorage depth h <sub>ef</sub> [mm]
BAZ 6-40/2	1,6	2,0	25
BAZ 6-65/15	1,8	2,5	35
BAZ 8-52/2	2,6	4,8	30
BAZ 10-60/10	1,6	2,0	23

N<sub>rec</sub>: recommended tension load; V<sub>rec</sub>: recommended shear load