

## Quick-fix anchor BAZ



BAZ, zinc plated



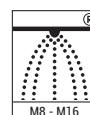
BAZ A4, stainless steel A4



BAZ HD, hot-dip galvanized



BAZ HCR, high corrosion resistant stainless steel



### Installation parameters

BAZ size		M6*	M8	M10	M12	M16
Torque	$T_{inst}$ [Nm]	7	20	35	50 / 70**	120
Width across flats	SW [mm]	10	13	17	19	24
Ø of clearance hole in fixture	$d_f$ [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 approval

\*\* 50 for: BAZ, BAZ HD, 70 for: BAZ A4, BAZ HCR

### Spacing and edge distance

BAZ size		M8	M10	M12	M16
Characteristic spacing	$S_{cr}$ [mm]	135	180	210	255
Characteristic edge distance	$C_{cr}$ [mm]	68	90	105	128
Minimum spacing	$S_{min}$ [mm]	50	55	60	70
	for $C \geq$ [mm]	50	80	90	120
Minimum edge distance	$C_{min}$ [mm]	50	50	55	85
	for $S \geq$ [mm]	50	100	145	150
Min. thickness of structural part	$h_{min}$ [mm]	100	120	140	170

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

### Loads

BAZ size		M8		M10		M12		M16	
		BAZ z.p. BAZ HD	BAZ A4 BAZ HCR	BAZ z.p. BAZ HD	BAZ A4 BAZ HCR	BAZ z.p. BAZ HD	BAZ A4 BAZ HCR	BAZ z.p. BAZ HD	BAZ A4 BAZ HCR
<b>Permissible tension loads for single anchor without influence of spacing and edge distance <sup>1), 2)</sup></b>									
Cracked concrete C20/25 <sup>3)</sup>	$N_{per}$ [kN]	2,0	2,0	3,6	3,6	4,8	4,8	9,5	9,5
Non-cracked concrete C20/25 <sup>3)</sup>	$N_{per}$ [kN]	3,6	3,6	6,3	6,3	7,9	7,9	16,7	16,7
<b>Permissible shear loads for single anchor without influence of spacing and edge distance <sup>1), 2)</sup></b>									
Cracked and non-cracked concrete C20/25	$V_{per}$ [kN]	4,8	5,2	8,6	8,1	11,0	11,9	21,0	22,4
Permissible bending moment	$M_{per}$ [Nm]	10,0	10,5	22,9	21,4	34,3	37,6	88,6	95,2

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

<sup>2)</sup> Load figures include the resistances' partial safety factors as per approvals and a partial safety factor on the action of  $\gamma_s = 1.4$ .

Load figures apply for a rebar spacing  $S \geq 15$  cm or alternatively for a rebar spacing  $S \geq 10$  cm in combination with a rebar diameter of  $d_s \leq 10$  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 in non-cracked concrete C20/25**

Type	$N_{rec}$ [kN]	$V_{rec}$ [kN]	setting depth $h_{ef}$ [mm]
BAZ 6-40/2	1,5	1,5	25
BAZ 6-65/15	1,8	1,8	35
BAZ 8-52/2	2,0	2,0	30
BAZ 10-60/10	1,5	1,5	23

$N_{rec}$ : recommended tension load  
 $V_{rec}$ : recommended shear load