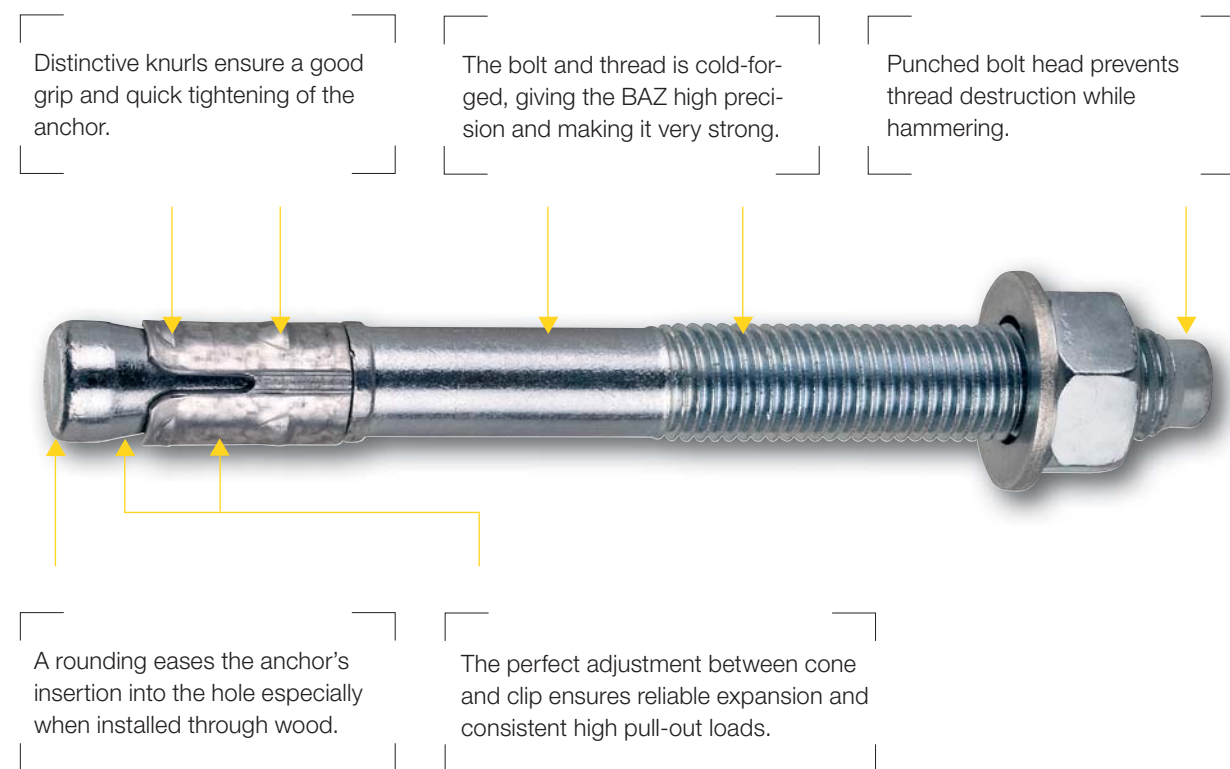
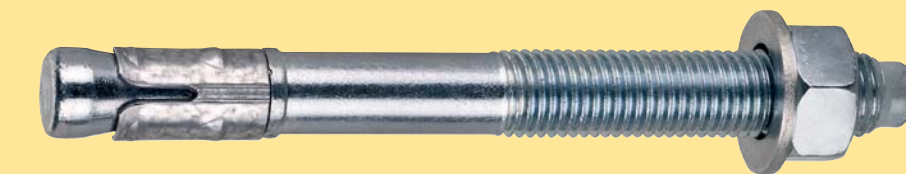


Product advantages

- ▶ **Quick-fix anchor with Option 1 for a wide variety of applications**
The BAZ is the right choice for manifold fastenings as it can be used in cracked and non-cracked concrete.
- ▶ **Reduced force needed to set the anchor**
Easy to install.
- ▶ **Fire resistance class R 120**
For even more security in case of fire.
- ▶ **Long thread**
More flexibility especially for distance mounting.
- ▶ **High load values as well as low edge and axial spacing**
Safe and reliable also in difficult installation situations
- ▶ **Extensive range**
One BAZ fits all thanks to a wide choice of materials and dimensions.



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Quick-Fix anchor BAZ full range
 Maximum security for each project

New
 improved
ASSORTMENT

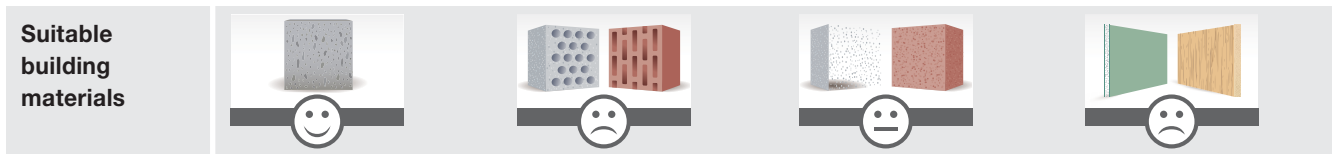


Presented by:

Quick-Fix anchor BAZ full range



Profile



Suitable building materials				
Category	Metal anchor heavy duty			
Assortment	Zinc plated: For indoor use in dry conditions	Stainless steel A4: For outdoor use (including industrial and marine environments) and damp locations	Hot-dip galvanized HD: For indoor use in dry conditions, also for limited outdoor use	High corrosion resistant stainless steel: Particularly aggressive conditions such as road tunnels, chloride atmosphere of indoor swimming pools, seawater

Sizes M8, M10, M12, M16 (M6 without approval)

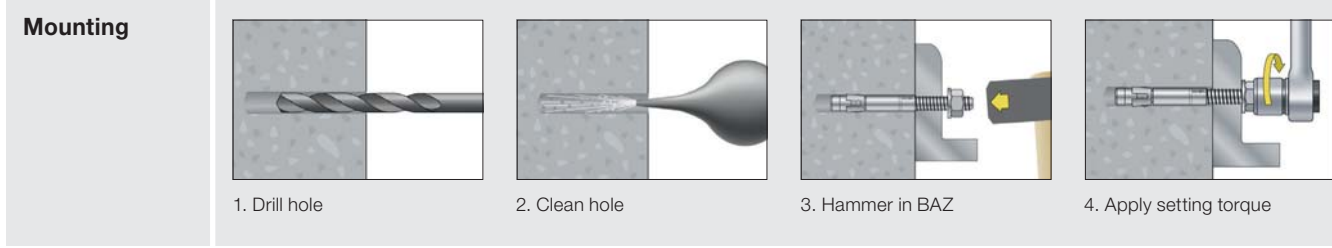


Typical applications

BAZ in concrete (metal construction)

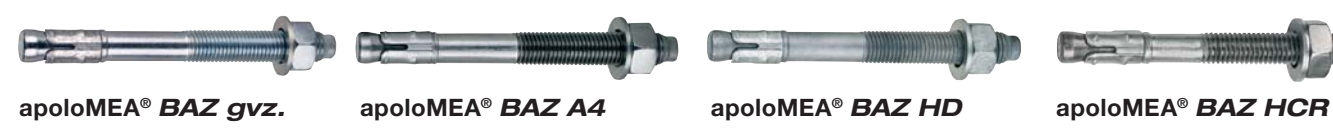
Particularly suitable for safety relevant applications such as:

- Guard rails
- Elevators
- Facades
- Attaching steel structures
- Machinery
- Heavy installations such as pipe supports, cable trays etc.



Support fixings Guard rail fixings Ceiling fixings

Range



Indoor Outdoor Special area of applications High corrosive environments

Anchor	Installation data	Packaging
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Description Ø-length/l _{ts}	Art-No BAZ gvz.	Art-No BAZ A4	Art-No BAZ HD**	Art-No BAZ HCR**	Size	Anchor	Thread	Thickness	Effective	Drill hole	Min. hole	Quantity Pcs per box/ outer carton
						length	length	of fixture	anchorage	diameter	depth	
						L [mm]	F [mm]	t _{ts} [mm]	h _{ef} [mm]	d ₀ [mm]	h ₁ [mm]	
BAZ M6-40/2*	9640BAZ	9X640BAZ	9HD640BAZ	-	M6	40	18	2	25	6	35	150/750
BAZ M6-65/15*	9665BAZ	9X665BAZ	9HD665BAZ	-	M6	65	28	15	35	6	50	100/500
BAZ M8-52/2*	9852BAZ	9X852BAZ	9HD852BAZ	-	M8	52	23	2	30	8	45	100/500
BAZ M8-72/10	9872BAZ	9X872BAZ	9HD872BAZ	9HCR872BAZ	M8	72	32	10	45	8	60	50/250
BAZ M8-92/30	9892BAZ	9X892BAZ	9HD892BAZ	-	M8	92	52	30	45	8	60	50/250
BAZ M8-112/50	98112BAZ	9X8112BAZ	9HD8112BAZ	-	M8	112	72	50	45	8	60	40/200
BAZ M8-147/85	98147BAZ	-	9HD8147BAZ	-	M8	147	107	85	45	8	60	40/200
BAZ M10-92/10	91092BAZ	9X1092BAZ	9HD1092BAZ	9HCR1092BAZ	M10	92	47	10	60	10	75	40/200
BAZ M10-102/20	910102BAZ	9X10102BAZ	9HD10102BAZ	-	M10	102	57	20	60	10	75	25/125
BAZ M10-112/30	910112BAZ	9X10112BAZ	9HD10112BAZ	9HCR10112BAZ	M10	112	67	30	60	10	75	25/125
BAZ M10-132/50	910132BAZ	9X10132BAZ	9HD10132BAZ	-	M10	132	87	50	60	10	75	25/125
BAZ M10-162/80	910162BAZ	-	9HD10162BAZ	-	M10	162	115	80	60	10	75	25/125
BAZ M12-103/5	912103BAZ	9X12103BAZ	9HD12103BAZ	-	M12	103	53	5	70	12	90	20/100
BAZ M12-118/20	912118BAZ	9X12118BAZ	9HD12118BAZ	9HCR12118BAZ	M12	118	68	20	70	12	90	20/100
BAZ M12-128/30	912128BAZ	9X12128BAZ	9HD12128BAZ	-	M12	128	78	30	70	12	90	20/100
BAZ M12-148/50	912148BAZ	9X12148BAZ	9HD12148BAZ	-	M12	148	98	50	70	12	90	20/100
BAZ M12-163/65	912163BAZ	9X12163BAZ	9HD12163BAZ	-	M12	163	113	65	70	12	90	20/100
BAZ M12-178/80	912178BAZ	-	9HD12178BAZ	-	M12	178	115	80	70	12	90	20/100
BAZ M16-123/5	916123BAZ	9X16123BAZ	9HD16123BAZ	-	M16	123	65	5	85	16	110	10/50
BAZ M16-138/20	916138BAZ	9X16138BAZ	9HD16138BAZ	-	M16	138	80	20	85	16	110	10/50
BAZ M16-168/50	-	9X16168BAZ	-	-	M16	168	110	50	85	16	110	10/50
BAZ M16-178/60	916178BAZ	-	9HD16178BAZ	-	M16	178	115	60	85	16	110	10/50

* Not part of the approval ** On request

Loads

	Anchor size	Anchor size							
		M8 BAZ gvz, BAZ HD	BAZ A4, BAZ HCR	M10 BAZ gvz, BAZ HD	BAZ A4, BAZ HCR	M12 BAZ gvz, BAZ HD	BAZ A4, BAZ HCR	M16 BAZ gvz, BAZ HD	BAZ A4, BAZ HCR
Permissible tension loads: N_{per} ^{1), 2)}									
In cracked concrete C 20/25 ³⁾	N _{per} [kN]	2,0	2,0	3,6	3,6	4,8	4,8	9,5	9,5
In non-cracked concrete C 20/25 ³⁾	N _{per} [kN]	3,6	3,6	6,3	6,3	7,9	7,9	16,7	16,7
Permissible shear loads V_{per} ^{1), 2)}									
In cracked and in non-cracked concrete C 20/25	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

Recommended loads for the non-approved anchor sizes in non-cracked concrete C20/25

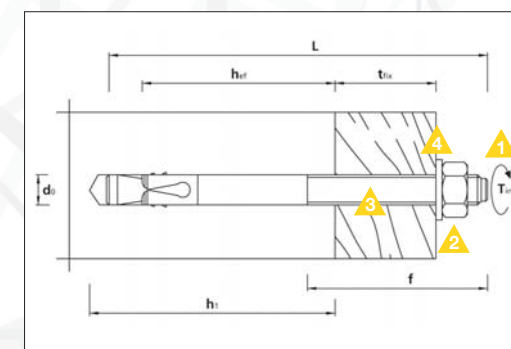
BAZ M6-40/2 (gvz, A4, HD)	N _{rec} [kN]: 1,4	V _{rec} [kN]: 1,4
BAZ M6-65/15 (gvz, A4, HD)	N _{rec} [kN]: 1,8	V _{rec} [kN]: 1,8
BAZ M8-52/2 (gvz, A4, HD)	N _{rec} [kN]: 1,9	V _{rec} [kN]: 3,3

1) For further information please refer to the approval ETA-10/0280
 2) Load figures include the resistances' partial safety factors as per approvals 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 d_s ≤ 10 mm.
 3) For higher concrete strengths the values increase up to 28%

Edge and axial spacing

Quick-Fix anchor BAZ	Anchor size	M8	M10	M12	M16
		Characteristic spacing	s _{cr,N} [mm]	135	180
Characteristic edge distance	c _{cr,N} [mm]	68	90	105	128
Minimum spacing	s _{min} [mm]	50	55	60	70
	for c ≥ [mm]	50	80	90	120
Minimum edge distance	c _{min} [mm]	50	50	55	85
	for s ≥ [mm]	50	100	145	150
Minimum thickness of concrete member	h _{min} [mm]	100	120	140	170

Interim values may be interpolated linearly.



Anchor size	M6*	M8	M10	M12	M16
Required torque T _{inst} [Nm]	7	20	35	50/70**	120
Width across flats SW	10	13	17	19	24
Diameter of clearance hole in fixture	7	9	12	14	18
d _s ≤ [mm]					
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