

Through bolt BA-E Plus



Application range

- > For embedment in cracked and non-cracked concrete \geq C20/25
- > Dry internal conditions
- > Wet areas
- > Outdoors, including in industrial atmospheres and coastal environments
- > For embedment of medium-heavy to heavy fixings such as pillars, metal structures and wooden structures
- > For pre-, push-through and distance installations

Properties

- > A4 stainless steel
- > HCR stainless steel 1.4529 available upon request
- > Approval for concrete, option 1
- > Fire resistance classes F30, F60, F90, F120

Cross references

Cordless hammer drill ABH
 Hammer drill SDS-plus®
 Socket wrench
 Torque wrench
 Installation tool through bolt
 Cleaning brush
 Blow-out pump

Notice

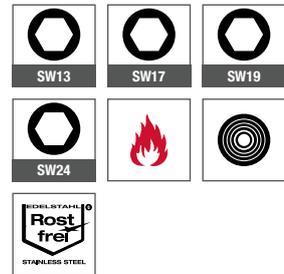
Characteristic values apply to the compression strength of C20/25 concrete. Design load of an anchor for centric tension in cracked concrete.

The load values in these tables are based on concrete C20/25, $f_{ck,cube} = 25 \text{ N/mm}^2$; correct installation; no influence of centre and edge distances; observe the minimum thickness of the base material

Applications



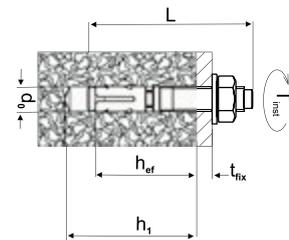
Technical specifications



Certifications



Installation process



Anchor type	Effective embedment depth h_{ef} [mm]	Permitted load F_{zul} [kN]	Centre distance [mm]			Edge distance [mm]			Permitted Bending moment M_{zul} [Nm]	Tightening torque T_{inst} [Nm]
			$s_{cr,N}$	s_{min}	C	$c_{cr,N}$	c_{min}	S		
BA-E Plus 8	35	2.4	144	35	50	72	40	55	15.0	20
	48	4.0	144	35	50	72	40	55	15.0	20
BA-E Plus 10	40	4.1	120	50	95	60	50	190	28.6	45
	60	5.7	180	40	60	90	50	100	28.6	45
BA-E Plus 12	50	5.8	150	55	110	75	60	215	49.1	60
	70	7.6	210	60	70	105	55	110	49.1	60
BA-E Plus 16	85	11.4	254	65	95	127	65	150	122.7	110

Product online



Order description	d ₀ [mm]	L [mm]	t _{fix} ≤ [mm]	h ₁ ≥ [mm]	h _{ef} ≥ [mm]	SW [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
BA-E-PLUS-8/5/-	8	57	5	47	35	13	50		9650005308	4061245090733
BA-E-Plus-8/23/10	8	75	23/10	47/60	35/48	13	50		9650005310	4061245037349
BA-E-Plus-8/43/30	8	95	43/30	47/60	35/48	13	50		9650005312	4061245037356
BA-E-PLUS-10/10/-	10	72	10	55	40	17	40		9650005323	4061245037387
BA-E-Plus-10/30/10	10	92	30/10	55/75	40/60	17	40		9650005325	4061245037394
BA-E-Plus-10/40/20	10	102	40/20	55/75	40/60	17	25		9650005326	4061245037400
BA-E-PLUS-12/10/-	12	88	10	70	50	19	20		9650005338	4061245037448
BA-E-Plus-12/25/5	12	103	25/5	70/90	50/70	19	20		9650005340	4061245037455
BA-E-Plus-12/40/20	12	118	40/20	70/90	50/70	19	20		9650005342	4061245037462
BA-E-PLUS-16/20	16	138	20	110	85	24	10		9650005359	4061245038988
BA-E-PLUS-16/50	16	168	50	110	85	24	10		9650005362	4061245039008

Further lengths upon
request

