

# Through bolt BA-V-PLUS



**Cross references**

- Cleaning brush
- Blow-out pump
- Tool belt
- Hammer drill SDS-plus
- Installation tool for through bolts
- Cordless hammer drill
- Torque wrench
- Socket wrench

**Application range**

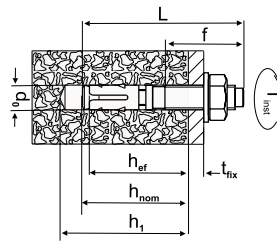
- > For embedment in cracked and non-cracked concrete  $\geq$  C20/25
- > Also suitable for natural stone
- > Dry internal conditions
- > For embedment of medium-heavy to heavy fixings such as pillars, metal structures and wooden structures
- > For pre-, push-through and distance installations

**Characteristics**

- > Zinc-plated steel
- > Approval for concrete, option 1
- > Fire resistance classes F30, F60, F90, F120

**Notice**

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



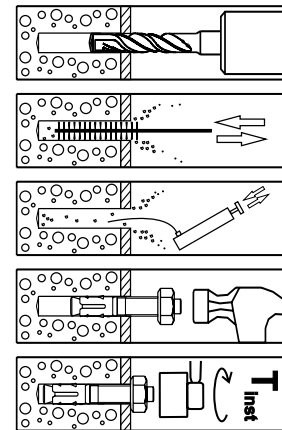
**Applications**



**Technical specifications**



**Certifications**



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]	Seismic performance category	Tightening torque $T_{inst}$ [Nm]
			$s_{cr, N}$	$s_{min}$	C	$c_{cr, N}$	$c_{min}$	S			
BA-V Plus 8	48	4.0	144	35	50	72	40	55	15.0	C1	15
	40	4.1	120	50	95	60	50	190	28.6		30
BA-V Plus 10	60	5.7	180	40	60	90	50	100	28.6	C2	30
	50	5.8	150	55	110	75	60	215	49.1		60
BA-V Plus 12	70	7.6	210	60	70	105	55	110	49.1	C2	60
	85	11.4	254	65	95	127	65	150	122.7		110

## Product online



Order description	d <sub>0</sub> [mm]	L [mm]	t <sub>fix</sub> ≤ [mm]	h <sub>1</sub> ≥ [mm]	h <sub>ef</sub> ≥ [mm]	PU [pieces]	Price/100 [EUR]	Article number	EAN
BA-V-PLUS-8/10	8	75	10	60	48	50		9650001310	4061245037004
BA-V-PLUS-8/30	8	95	30	60	48	50		9650001312	4061245037011
BA-V-PLUS-8/50*	8	115	50	60	48	40		9650001314	4061245037028
BA-V-PLUS-8/85*	8	150	85	60	48	40		9650001316	4061245037035
BA-V-PLUS-10/10/-	10	72	10	55	40	40		9650001323	4061245037042
BA-V-PLUS-10/30/10	10	92	30/10	55/75	40/60	40		9650001325	4061245037059
BA-V-PLUS-10/40/20	10	102	40/20	55/75	40/60	25		9650001326	4061245037066
BA-V-PLUS-10/50/30*	10	112	50/30	55/75	40/60	25		9650001327	4061245037073
BA-V-PLUS-10/70/50*	10	132	70/50	55/75	40/60	25		9650001329	4061245037080
BA-V-PLUS-10/100/80*	10	162	100/80	55/75	40/60	25		9650001331	4061245037097
BA-V-PLUS-12/10/-	12	88	10	70	50	20		9650001338	4061245037103
BA-V-PLUS-12/25/5	12	103	25/5	70/90	50/70	20		9650001340	4061245037110
BA-V-PLUS-12/40/20	12	118	40/20	70/90	50/70	20		9650001342	4061245037127
BA-V-PLUS-12/50/30*	12	128	50/30	70/90	50/70	20		9650001343	4061245037134
BA-V-PLUS-12/70/50*	12	148	70/50	70/90	50/70	20		9650001345	4061245037141
BA-V-PLUS-12/85/65*	12	163	85/65	70/90	50/70	20		9650001346	4061245037158
BA-V-PLUS-12/100/80*	12	178	100/80	70/90	50/70	20		9650001347	4061245037165
BA-V-PLUS-16/5*	16	123	5	110	85	10		9650001357	4061245038919
BA-V-PLUS-16/20	16	138	20	110	85	10		9650001359	4061245038902
BA-V-PLUS-16/50	16	168	50	110	85	10		9650001362	4061245038926
BA-V-PLUS-16/60*	16	178	60	110	85	10		9650001363	4061245038933

\*Production article in case of order (see page 35)