Through bolt BA-V Plus / BA-V Plus DIN 9021



Application range

- For embedment in cracked and uncracked concrete ≥ C20/25
- 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
- Seismic approval category (C1 for M8, C2 for M8–M16)

Characteristics

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

Notice

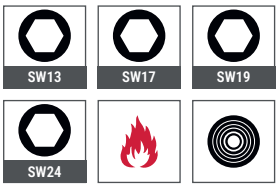
Characteristic values apply to the compression strength of C20/25 concrete. Design load of an anchor for centric tension in cracked concrete.

The load values in these tables are based on concrete C20/25, $f_{ck,cube}$ = 25 N/mm²; correct installation; no influence of centre and edge distances; observe the minimum thickness of the base material

Applications

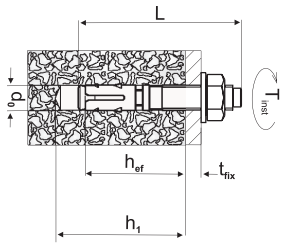


Technical specifications



Certifications





Cross references

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

Installation process



Anchor type	Effective embedment depth h_{ef} [mm]	Recommended load F_{rec} [kN]	Centre distance [mm]			Edge distance [mm]			Recommended bending moment M_{rec} [Nm]	Tightening torque T_{inst} [Nm]
			$s_{cr,N}$	S_{min}	C	$c_{cr,N}$	C_{min}	S		
BA-V Plus 8	35	2.4	106	55	75	53	40	140	14.3	15
	48	4.0	144	35	50	72	40	55	14.3	15
BA-V Plus 10	40	4.1	120	50	95	60	50	190	29.1	30
	60	5.7	180	40	60	90	50	100	29.1	30
BA-V Plus 12	50	5.8	150	55	110	75	60	215	51.4	60
	70	7.6	210	60	70	105	55	110	51.4	60
BA-V Plus 16	65	8.6	195	65	100	98	65	200	122.7	110
	85	11.4	254	65	95	127	65	150	122.7	110

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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-V-Plus-8/5/-	8	57	5	47	35	13	50		9650001308	4061245090719
BA-V-Plus-8/23/10	8	75	23/10	47/60	35/48	13	50		9650001310	4061245037004
BA-V-Plus-8/43/30	8	95	43/30	47/60	35/48	13	50		9650001312	4061245037011
BA-V-Plus-8/63/50	8	115	63/50	47/60	35/48	13	40		9650001314	4061245037028
BA-V-Plus-8/98/85	8	150	98/85	47/60	35/48	13	40		9650001316	4061245037035
BA-V-Plus-10/10/-	10	72	10	55	40	17	40		9650001323	4061245037042
BA-V-Plus-10/30/10	10	92	30/10	55/75	40/60	17	40		9650001325	4061245037059
BA-V-Plus-10/40/20	10	102	40/20	55/75	40/60	17	25		9650001326	4061245037066
BA-V-Plus-10/50/30	10	112	50/30	55/75	40/60	17	25		9650001327	4061245037073
BA-V-Plus-10/70/50	10	132	70/50	55/75	40/60	17	25		9650001329	4061245037080
BA-V-Plus-10/100/80	10	162	100/80	55/75	40/60	17	25		9650001331	4061245037097
BA-V-Plus-12/10/-	12	88	10	70	50	19	20		9650001338	4061245037103
BA-V-Plus-12/25/5	12	103	25/5	70/90	50/70	19	20		9650001340	4061245037110
BA-V-Plus-12/40/20	12	118	40/20	70/90	50/70	19	20		9650001342	4061245037127
BA-V-Plus-12/50/30	12	128	50/30	70/90	50/70	19	20		9650001343	4061245037134
BA-V-Plus-12/70/50	12	148	70/50	70/90	50/70	19	20		9650001345	4061245037141
BA-V-Plus-12/85/65	12	163	85/65	70/90	50/70	19	20		9650001346	4061245037158
BA-V-Plus-12/100/80	12	178	100/80	70/90	50/70	19	20		9650001347	4061245037165
BA-V-Plus-16/5/-	16	103	5	90	65	24	10		9650001355	4061245117409
BA-V-Plus-16/25/5	16	123	25/5	90/110	65/85	24	10		9650001357	4061245038919
BA-V-Plus-16/40/20	16	138	40/20	90/110	65/85	24	10		9650001359	4061245038902
BA-V-Plus-16/70/50	16	168	70/50	90/110	65/85	24	10		9650001362	4061245038926
BA-V-Plus-16/80/60	16	178	80/60	90/110	65/85	24	10		9650001363	4061245038933
Through bolt BA-V Plus, steel zinc-plated, DIN 9021										
BA-V Plus-8/10+DIN9021	8	75	23/10	47/60	35/48	13	50		9650001410	4061245066424
BA-V-Plus-8/30+DIN9021	8	95	43/30	47/60	35/48	13	50		9650001412	4061245066431
BA-V Plus-10/30/10+DIN9021	10	92	30/10	55/75	40/60	17	25		9650001425	4061245083803

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