

Bolt anchor FBN II

The cost-efficient fixing for flexible use in non-cracked concrete.



Column bases



Stormwater overflow tank manholes

VERSIONS

- zinc-plated steel
- stainless steel
- hot-dip galvanised steel

BUILDING MATERIALS

Approved for:

- Concrete C20/25 to C50/60, non-cracked

Also suitable for:

- Concrete C12/15
- Natural stone with dense structure

APPROVALS



ADVANTAGES

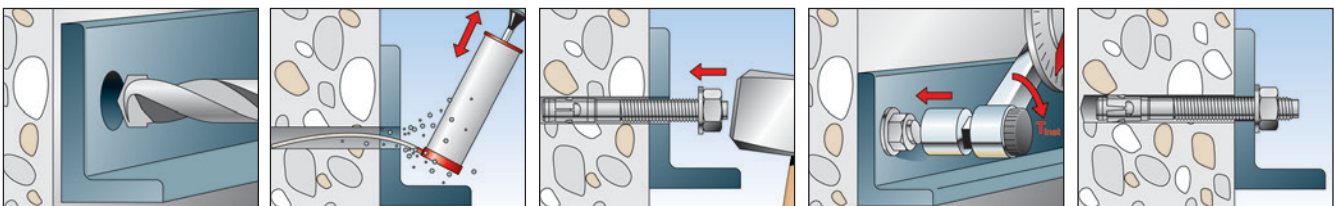
- The standard anchorage depth achieves the maximum load-bearing capacities. Thus fewer fixing points and smaller anchor plates are required.
- The reduced anchorage depth reduces the drill hole depth. This minimises the amount of time needed for installation whilst increasing flexibility.
- The long thread balances component tolerances and allows for stand-off installations, thus increasing flexibility.
- Few hammer blows and the minimal torque slippage allow for a noticeably simpler installation.
- The drive-in pin protects the thread from damage, and thus ensures a faster installation and dismantling of the attachment.

APPLICATIONS

- Steel constructions
- Guard rails
- Consoles
- Ladders
- Cable conduits
- Machines
- Staircases
- Gates
- Façades

FUNCTIONING

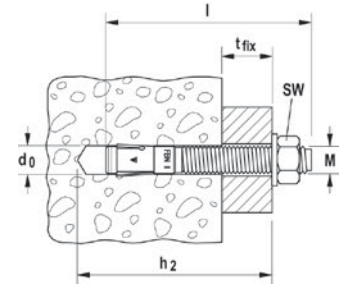
- The FBN II is suitable for pre-positioned and push-through installation; also suitable for stand-off installation under certain conditions.
- Prior to installation, place the hexagon nut in the optimal position (the drive-in pin projects by approx. 3 mm out of the hexagon nut).
- When applying the torque, the cone bolt is pulled into the expansion clip and expands it against the drill hole wall.
- The head embossing offers a simple control of the anchoring.
- In the case of series installation, we recommend using the FABS bolt anchor setting tool.



TECHNICAL DATA



Bolt anchor FBN II



Item	zinc-plated steel	stainless steel	hot-dip galva- nised steel	Approval ETA	Drill hole diameter	Min. drill- hole depth for through fixings	Anchor length	Max. usable length/ hef,stand/ hef,red	Thread	Width across nut	Sales unit
	Art.-No.	Art.-No.	Art.-No.		d_0 [mm]	h_2 [mm]	l [mm]	t_{fix} [mm]	$\emptyset \times$ length [mm]	\emptyset SW [mm]	[pcs]
	gvz	A4	fvz								
FBN II 6/5	505526 1)2)	—	—	■	6	45	50	5/-	M 6 x 12	10	100
FBN II 6/10	505527 1)2)	505532 1)2)	—	■	6	50	55	10/-	M 6 x 17	10	100
FBN II 6/30	505528 1)2)	505535 1)2)	—	■	6	70	75	30/-	M 6 x 35	10	100
FBN II 8/5	040662	—	—	■	8	61	66	5/15	M 8 x 34	13	50
FBN II 8/10	040664	507555	—	■	8	66	71	10/20	M 8 x 39	13	50
FBN II 8/10	—	—	507575	—	8	66	71	10/20	M 8 x 39	13	50
FBN II 8/20	040669	—	—	■	8	76	81	20/30	M 8 x 49	13	50
FBN II 8/30	040700	507556	—	■	8	86	91	30/40	M 8 x 59	13	50
FBN II 8/30	—	—	507576	—	8	86	91	30/40	M 8 x 59	13	50
FBN II 8/50	040771	507557	—	■	8	106	111	50/60	M 8 x 79	13	50
FBN II 8/50	—	—	507577	—	8	106	111	50/60	M 8 x 79	13	50
FBN II 8/70	040777	—	—	■	8	126	131	70/80	M 8 x 99	13	20
FBN II 8/70	—	—	507578	—	8	126	131	70/80	M 8 x 99	13	20
FBN II 8/100	040783	—	—	■	8	156	161	100/110	M 8 x 129	13	20
FBN II 10/10	040827	507558	—	■	10	78	86	10/20	M 10 x 46	17	50
FBN II 10/10	—	—	507579	—	10	78	86	10/20	M 10 x 46	17	50
FBN II 10/20	040851	507559	—	■	10	88	96	20/30	M 10 x 56	17	50
FBN II 10/30	040854	507560	—	■	10	98	106	30/40	M 10 x 66	17	50
FBN II 10/30	—	—	507580	—	10	98	106	30/40	M 10 x 66	17	50
FBN II 10/50	040855	507561	—	■	10	118	126	50/60	M 10 x 86	17	20
FBN II 10/50	—	—	507582	—	10	118	126	50/60	M 10 x 86	17	20
FBN II 10/70	040931	—	—	■	10	138	146	70/80	M 10 x 106	17	20
FBN II 10/100	040943	507562	—	■	10	168	176	100/110	M 10 x 136	17	20
FBN II 10/100	—	—	507583	—	10	168	176	100/110	M 10 x 136	17	20
FBN II 10/140	040944	—	—	■	10	208	216	140/150	M 10 x 176	17	20
FBN II 10/160	040945	—	—	■	10	228	236	160/170	M 10 x 196	17	20
FBN II 12/10	040950	507563	—	■	12	95	106	10/25	M 12 x 59	19	20
FBN II 12/10	—	—	507589	—	12	95	106	10/25	M 12 x 59	19	20
FBN II 12/20	044558	507564	—	■	12	105	116	20/35	M 12 x 69	19	20
FBN II 12/30	045263	507565	—	■	12	115	126	30/45	M 12 x 79	19	20
FBN II 12/30	—	—	507591	—	12	115	126	30/45	M 12 x 79	19	20
FBN II 12/50	045264	507566	—	■	12	135	146	50/65	M 12 x 99	19	20
FBN II 12/50	—	—	507592	—	12	135	146	50/65	M 12 x 99	19	20
FBN II 12/80	045265	—	—	■	12	165	176	80/95	M 12 x 129	19	20
FBN II 12/100	045266	507567	—	■	12	185	196	100/115	M 12 x 149	19	20
FBN II 12/100	—	—	507596	—	12	185	196	100/115	M 12 x 149	19	20
FBN II 12/120	045267	—	—	■	12	205	216	120/135	M 12 x 169	19	20
FBN II 12/140	045268	—	—	■	12	225	236	140/155	M 12 x 189	19	20
FBN II 12/160	045269	—	—	■	12	245	256	160/175	M 12 x 189	19	20
FBN II 16/10	—	507568	—	■	16	114	130	10/25	M 16 x 74	24	10
FBN II 16/25	045564	507569	—	■	16	129	145	25/40	M 16 x 89	24	10
FBN II 16/25	—	—	507598	—	16	129	145	25/40	M 16 x 89	24	10
FBN II 16/50	045565	507570	—	■	16	154	170	50/65	M 16 x 105	24	10

1) Use restricted to anchoring of structural components which are statically indeterminate.

2) Nut and washer not pre-assembled/supplied loose.