



X-FB (X-DFB / X-EMTC) DATA SHEET

Electrical conduit fastener

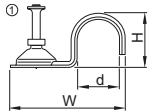


X-FB, X-DFB, X-EMTC Electrical conduit fastener

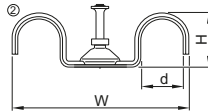
Product data

Dimensions

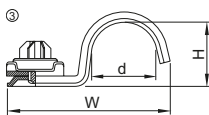
X-FB / X-EMTC



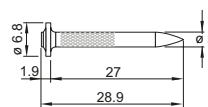
X-DFB



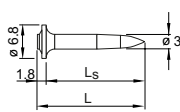
X-FB MX (X-BX/X-EMTC)



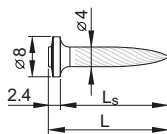
X-GN 27



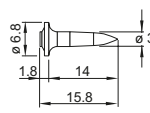
X-GHP 20/24



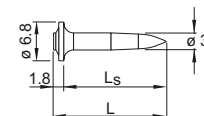
X-U 16/22/27



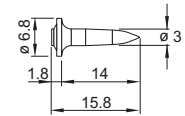
X-EGN 14



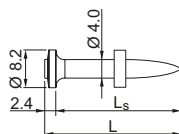
X-P 20/24 G3 MX



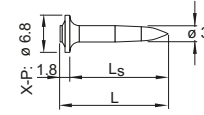
X-S 14 G3 MX



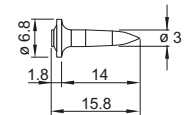
X-P 22/27



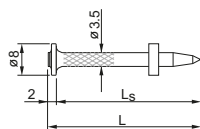
X-P 20/24 B3 MX



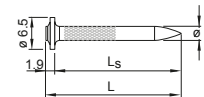
X-S 14 B3 MX



X-C 27



X-C 27 G3 MX



General information

Material specifications

See fastener selection for more details.

Recommended fastening tools

DX 460 F8, DX 460 MX, DX 5 F8,
DX 5 MX, DX 351 F8, DX 351 MX,
GX 120 ME, GX 3 ME, BX 3 ME

See **X-FB (X-DFB/X-EMTC) fastener program** in the next pages and **Tools and equipment chapter** for more details.

Applications

Example



Load data
Recommended loads

Fastener	Concrete N_{rec} [kN]	Sandlime stone N_{rec} [kN]	Steel N_{rec} [kN]
X-FB / X-DFB (pre-mounted)	0.06	0.06	–
X-FB MX with X-U, X-P or X-C ($L_S = 22-27$ mm)	0.06	0.06	–
X-FB MX with X-U 16 MX	–	–	0.06
X-FB MX with X-P B3 MX, X-P G3 MX or X-GHP ($L_S = 20-24$ mm)	0.02	–	–
X-FB MX with X-C 27 G3 MX or X-GN 27 MX	–	0.06	–
X-FB MX with X-S 14 B3 MX, X-S 14 G3 MX, X-EGN 14 MX or X-U 16 MX	–	–	0.06

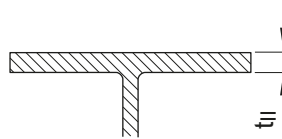
Application requirements
Thickness of base material

Concrete

X-U, X-P or X-C: $h_{min} = 80$ mm

**X-P B3 MX, X-P G3 MX,
X-GHP, X-C 27 G3 MX,**
X-GN 27 MX: $h_{min} = 60$ mm

Steel

 $t_{II} \geq 4$ mm

Thickness of fastened material
X-FB (X-BX, X-EMTC) To fasten conduits, pipes and tubes of \varnothing 5 mm to 50 mm

Spacing and edge distances

Space fastenings as needed to control sag and maintain alignment.

Corrosion information

These zinc-coated fasteners are not suitable for long-term service outdoors or in otherwise corrosive environments.

 For further detailed information on corrosion see relevant chapter in **Direct Fastening Principles and Technique** section.

Fastener program
Technical information

With pre-mounted nail Designation	Without pre-mounted nail Designation	d [mm]	W [mm]	H [mm]
	③ X-FB 5 MX	5		7
	③ X-FB 6 MX	6		8
	③ X-FB 7 MX	7		9
① X-FB 8-C27	③ X-FB 8 MX	8	31	10
① X-EMTC ^{3/8"} -C27/-U22	③ X-EMTC ^{3/8"} MX	10 (^{3/8"})	33	12
① X-FB 11-C27	③ X-FB 11 MX	11	34	13
① X-EMTC ^{1/2"} -C27/-U22		13 (^{1/2"})		
① X-FB 13-C27	③ X-EMTC ^{1/2"} MX	13 (^{1/2"})	42	15
① X-FB 16-C27	③ X-FB 16 MX	16	44	18
① X-FB 18-C27		18	46	20
① X-EMTC ^{3/4"} -C27/-U22	③ X-EMTC ^{3/4"} MX	19 (^{3/4"})	47	21
① X-FB 20-C27	③ X-FB 20 MX	20	48	22
① X-FB 22-C27	③ X-FB 22 MX	22	50	24
① X-FB 24-C27		24	52	26
① X-FB 25-C27	③ X-FB 25 MX, X-EMTC 1" MX	25 (1")	53	27
① X-EMTC 1"-C27/-U22		25 (1")		
① X-FB 28-C27	③ X-FB 28 MX	28	56	30
① X-FB 32-C27	③ X-FB 32 MX	32	58	34
① X-FB 35-C27		35	64	37
① X-FB 40-C27	③ X-FB 40 MX	40	69	42
① X-FB 50-C27		50	77	52
	③ X-DFB 5 MX	5	47	7
	③ X-DFB 6 MX	6	50	8
	③ X-DFB 7 MX	7	52	9
② X-DFB 8-C27	③ X-DFB 8 MX	8		9.5
② X-DFB 11-C27	③ X-DFB 11 MX	11		12.5
② X-DFB 16-C27	③ X-DFB 16 MX	16	66	15
② X-DFB 18-C27		18	70	18
② X-DFB 20-C27	③ X-DFB 20 MX	20	75	20
② X-DFB 22-C27	③ X-DFB 22 MX	22	79	22
② X-DFB 24-C27	③ X-DFB 25 MX	24	83	24
② X-DFB 25-C27		25		
② X-DFB 28-C27	③ X-DFB 28 MX	28	91	28
② X-DFB 35-C27		35	106	30
② X-DFB 40-C27		40	116	37

