



FB

CONDUIT CLIP

Data Sheet

04.2024




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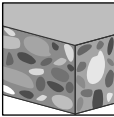
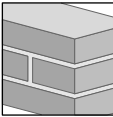
1 PRODUCT INFORMATION

1.1 Product description

Designation	Features
FB 	<ul style="list-style-type: none"> • Fire-resistant solution – engineered in accordance with EN 1363-1 for fire-resistant cable/conduit fastenings. • More reliable – designed to help improve fastening while reducing the risk of cable damage during installation. • Designed to make installation easier and faster with anchor or screw. • Versatile – secures the majority of popular conduit sizes.

2 APPLICATION CONDITIONS


2.1 Base materials


	
Concrete	Solid brick

2.2 Load conditions

	
Static / quasi-static	Fire resistance

2.3 Environmental conditions


Dry indoor

-  • For more details, please refer to the [Hilti Corrosion Handbook](#)

3 APPROVALS AND CERTIFICATES

Authority	Approval / Certificate number	Date of issue
PAVUS, testing institute (PAVUS, a.s.)	216/C5a/2024/0040	02/19/2024

4 PRODUCT DATA

4.1 Dimensions

Technical drawing	Fastener	Diameter d [mm]	Height h [mm]	Length l [mm]	Width w [mm]
	FB 5	5	7	28.3	17.5
	FB 6	6	8	29.4	17.5
	FB 7	7	9	30.4	17.5
	FB 8	8	10	31.3	17.5
	FB 9	9	10	32.3	17.5
	FB 10	10	11	33.3	17.5
	FB 11	11	11.5	34.4	17.5
	FB 13	13	15	36.5	17.5
	FB 16	16	18	39.6	17.5
	FB 20	20	22	43.8	17.5
	FB 25	25	27	49	17.5

4.2 Material properties for carbon steel parts

Fastener	Component part	Material	Coating	Coating thickness t_c [μm]
FB	Conduit clip	Carbon steel	Zinc coated	≥5

5 SYSTEM RECOMMENDATION

5.1 Fastener recommendation

Element	Fastener	Base material	Fastening method
FB	HUS-6x35	Concrete	Recommended
	HUS-6x45	Solid brick	Recommended

6 APPLICATION REQUIREMENTS

6.1 Fastened material properties

- Fastener positioning in base material is described in the corresponding Product Data Sheet(s) for fasteners.

7 PERFORMANCE DATA

7.1 Recommended loads under quasi static/static loading

Element	Fastener	Base material	Tension load	Shear load
			N_{rec} [kN]	V_{rec} [kN]
FB	HUS-6x35	Concrete	0.02	0.02
	HUS-6x45	Solid brick	0.02	0.02

7.2 Recommended loads under quasi static/static and fire loading

Element	Fastener	Base material	Tension load	Shear load	Fire rating
			N_{rec} [kN]	V_{rec} [kN]	[min]
FB	HUS-6x35	Concrete	0.02	0.02	120
	HUS-6x45	Solid brick	0.02	0.02	120

- Fire rating according to FIRES-FR-241-23-NUNE, 10.10.2023, FIRES.
- Utilization of suitable conduits according to national standards.

8 QUALITY ASSURANCE

8.1 Fastening inspection

Technical drawing	Element	Fastener	Fastener standoff h_{NHS} [mm]
	FB	HUS-6x35, HUS-6x45	4 – 5

- Visible setting failures must be replaced with a new fastener, not in the same hole.
- These are abbreviated instructions which may vary by application.
- Always review/ follow the instructions accompanying the product.

9 ORDERING INFORMATION

9.1 Item number and description

Designation	Item number	Description
FB 10	2402681	FB Conduit clip
FB 11	2402682	FB Conduit clip
FB 13	2402683	FB Conduit clip
FB 16	2402684	FB Conduit clip
FB 20	2402685	FB Conduit clip
FB 25	2402686	FB Conduit clip
FB 5	2402526	FB Conduit clip
FB 6	2402527	FB Conduit clip
FB 7	2402528	FB Conduit clip
FB 8	2402529	FB Conduit clip
FB 9	2402680	FB Conduit clip
HUS-6x35	383047	HUS 6 Screw anchor
HUS-6x45	383048	HUS 6 Screw anchor



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