



DFB

BUTTERFLY CONDUIT CLIP

Data Sheet




04.2024

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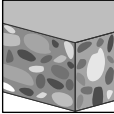
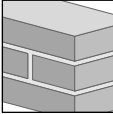
1 PRODUCT INFORMATION

1.1 Product description

Designation	Features
DFB 	<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

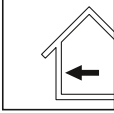
2.1 Base materials


	
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]
	DFB 6	6	8	50	17.5
	DFB 7	7	9	52	17.5
	DFB 8	8	10	53.5	17.5
	DFB 9	9	10	55.5	17.5
	DFB 10	10	11	57.5	17.5
	DFB 11	11	11.5	60.2	17.5
	DFB 13	13	15	64.2	17.5

4.2 Material properties for carbon steel parts

Fastener	Component part	Material	Coating	Coating thickness t _c [μm]
DFB	Conduit clip	Carbon steel	Zinc coated	≥5

5 SYSTEM RECOMMENDATION

5.1 Fastener recommendation

Element	Fastener	Base material	Fastening method
DFB	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]
DFB	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]
DFB	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]
	DFB	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
DFB 10	2402691	DFB Butterfly conduit clip
DFB 11	2402692	DFB Butterfly conduit clip
DFB 13	2402693	DFB Butterfly conduit clip
DFB 6	2402687	DFB Butterfly conduit clip
DFB 7	2402688	DFB Butterfly conduit clip
DFB 8	2402689	DFB Butterfly conduit clip
DFB 9	2402690	DFB Butterfly conduit clip
HUS-6x35	383047	HUS 6 Screw anchor
HUS-6x45	383048	HUS 6 Screw anchor



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