



X-EKB-FE MX

Metal cable clasp

Data Sheet




29 Apr 2025

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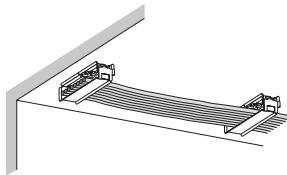
1 PRODUCT INFORMATION

1.1 Product description

Designation	Features
<p>X-EKB-FE MX</p> 	<ul style="list-style-type: none"> • Faster, simpler and more reliable installation of fire-rated safety cables • General building inspectorate approval in accordance with DIN 4102-12 available for a wide range of cables with circuit integrity rating • Can be used on ceilings and walls • System with long spacing distance for economical installation • Designed to make overhead fastening easier and more convenient

2 APPLICATION CONDITIONS

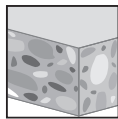
2.1 Application examples



Element to concrete

Application	Description
Circuit integrity system	Circuit integrity system (CIS) application specified by German guideline 'Allgemein bauaufsichtliches Prüfzeugnis' (AbP)
Non-circuit integrity	Non-circuit integrity system application in escape routes specified by the German guideline 'Muster-Leitungsrichtlinie' (MLAR)

2.2 Base materials



Concrete

2.3 Load conditions



Static/quasi-static Fire

2.4 Environmental conditions



Dry indoor

- For more details about environmental conditions, please refer to the [Hilti Corrosion Handbook](#).

3 REFERENCE LIST

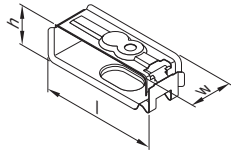
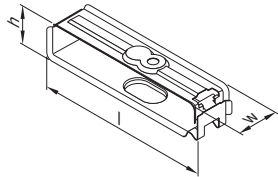
3.1 Approval and certificates

Authority	Approval/certificate no.	Date of issue
Materialprüfanstalt (MPA IBMB)	P-2401/198/16-MPA BS	21 Feb 2025
Materialprüfanstalt (MPA NRW)	P-MPA-E-16-010	25 Jan 2023
DMT GmbH & Co.KG	P.1023 DMT DO	7 Mar 2022

- Not all information presented in this product data sheet might be subject to approval/certificate content
- Information presented in this product data sheet might be based on Hilti Technical Data
- Please refer to approval/ certificate for further information

4 PRODUCT DATA

4.1 Dimensions

Technical drawing	Fastener	Element height h [mm]	Element length l [mm]	Element width w [mm]
	X-EKB-FE 15 MX	33.5	96.5	35
	X-EKB-FE 30 MX	33.5	151	35

4.2 Material properties for carbon parts

Element	Component part	Material	Coating	Coating thickness [µm]	Corrosion category
X-EKB-FE MX	Element	Carbon steel	Zinc coated	≥ 5	C1

• Corrosion category according to EN ISO 9223.

5 SYSTEM RECOMMENDATION

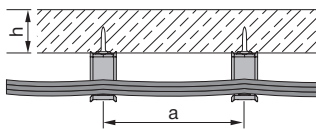
5.1 Fastening system recommendations

Fastening condition	Element	Fastener	Tool type
Element to concrete	X-EKB-FE MX	X-P 17 B4 MX	BX 4-22 (01)
	X-EKB-FE MX	X-P 17 B3 MX	BX 3-IF (01), BX 3-ME (01), BX 3 (02), BX 3-L (02), BX 3-ME (02), BX 3-22 (03), BX 3-ME-22 (03)

• For more details, please refer to the chapter Accessories and consumables compatibility in the [Direct Fastening Technology Manual \(DFTM\)](#).

6 APPLICATION REQUIREMENTS

6.1 Base material properties



Fastening to steel

Fastening condition	Base material thickness h [mm]	Element spacing a [mm]
Fastening to concrete	≥ 60	≤ 600

6.2 Service properties

Element	Service type
X-EKB-FE 8 MX, X-EKB-FE 15 MX	Cable

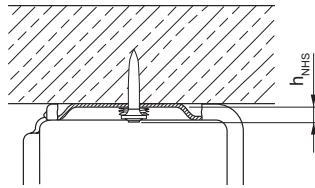
7 PERFORMANCE DATA

7.1 Recommended loads under quasi static/static and fire loading

Fastening condition	Application	Element	Tension load N_{rec} [kN]	Fire rating	Comment
Element to concrete	Circuit integrity system	X-EKB-FE 8 MX	0.02	E30-E90	P-2401/198/16-MPA BS P-MPA-E-16-010 P.1023 DMT DO
		X-EKB-FE 15 MX	0.04		
	Non-circuit integrity system	X-EKB-FE 8 MX	0.02	F90	Expert review on MLAP application by MPA IBMB Braunschweig
		X-EKB-FE 15 MX	0.04		

8 QUALITY ASSURANCE

8.1 Fastening inspection



Element to steel

Fastening condition	Fastener stand-off h_{NHS} [mm]
Element to concrete	3.0-7.0

- i • Visible setting failures must be replaced with a new fastener, with a distance ≥ 100 mm.
- 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
X-EKB-FE 8 MX	2142825	Metal cable clasp
X-EKB-FE 15 MX	2142824	Metal cable clasp



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