



X-MCT MX DATA SHEET

Metal cable tie holder



X-MCT MX Metal cable tie holder

Product data

Product description

X-MCT MX



- Maintaining function of the fastener during fire
- Bi-direction cable tying
- Classification of Hilti X-MCT-MX cable tie holder in accordance with AS/NZS 3013 – 2015, Appendix C

Dimensions

Technical drawing	Designation	Width	Length	Thickness	Admissible tie width	
		w	l	t	w _{min}	w _{max}
	X-MCT MX	32.4 mm	44 mm	1 mm	4.9 mm	8 mm

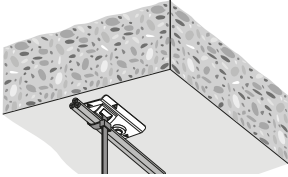
• w_{min} is based on testing requirements.

Material specification and material properties for carbon steel elements

Designation	Element	Material	Coating	Process	Minimum coating thickness
X-MCT MX	Cable tie holder	DX51D	Zinc	Pre-galvanizing	5 µm

Applications

Fastening electrical installation to ceiling

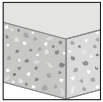


Admissible electrical installation

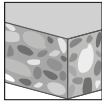
Electrical installations

- General cables
- Flame retardant cables
- Fire rated cables in accordance with Australian standards

Base materials



Soft
concrete



Tough
concrete

Load conditions



Static/
quasi static



Fire rated

Environmental conditions



Dry indoor

- For more details, please refer to following technical document:
Hilti Corrosion Handbook.

Approvals/certificates

Authority	Approval/certificate no.	Date of issue	Country of issue
CSIRO	FCO-3417	03/2021	Australia

- Not all information presented in this product data sheet might be subject to approval/certificate content. Please refer to approval/certificate for further information.

Performance data

Recommended resistance under tension and shear load

Designation	Tension load N_{rec}	Shear load V_{rec}	Fire rated
X-MCT MX	0.02 kN	0.02 kN	120 min.

- Utilization of suitable cable tie acc. to national standards.
- Redundancy of fastening points is required.
- Minimum number of fastening points for safety relevant fastenings: ≥ 5 .

System recommendation

- For more details, please refer to the chapter **Accessories and consumables compatibility** in the Direct Fastening Technology Manual (DFTM).

Wiring system mounted with battery-actuated fastener

Element designation	Fastener designation			Battery-actuated tool				Base material	
	X-P 17 B3 MX	X-P 20 B3 MX	X-P 24 B3 MX					Soft concrete	Tough concrete
X-MCT MX	■	■						■	■
X-MCT MX			■					■	

■ = recommended

Wiring system mounted with gas-actuated fastener

Element designation	Fastener designation					Gas-actuated tool				Base material	
	X-P 17 G3 MX	X-P 20 G3 MX	X-P 24 G3 MX	X-GHP 18 MX	X-GHP 20 MX	GX 3 ME	GX 120 ME			Soft concrete	Tough concrete
X-MCT MX	■	■				■				■	■
X-MCT MX			■			■				■	
X-MCT MX				■			■			■	■
X-MCT MX					■		■			■	

■ = recommended

Wiring system mounted with powder-actuated collated fastener

Element designation	Fastener designation					Powder-actuated tool				Base material	
	X-P 22 MX	X-P 27 MX				DX 6 MX	DX 5 MX	DX 460 MX	DX 351 DX	Soft concrete	Tough concrete
X-MCT MX	■	■				■	■	■	■	■	■

■ = recommended

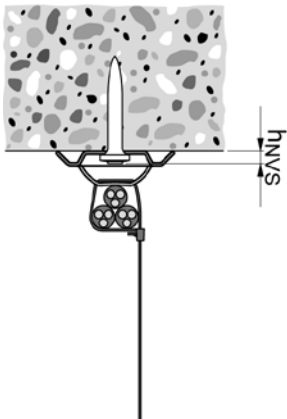
Wiring system mounted with powder-actuated single fastener

Element designation	Fastener designation					Powder-actuated tool				Base material	
	X-P 22 P8	X-P 27 P8				DX 6 F8	DX 5 F8	DX 460 F8	DX 351 CT	Soft concrete	Tough concrete
X-MCT MX	■	■				■	■	■	■	■	■

■ = recommended

Setting information

- Fastener setting information (e.g. base material properties, fastener material properties and setting energy) is part of the corresponding product data sheet for fastener.

Quality assurance
Setting depth control


Admissible fastener stand-off

$$h_{NVS, \min} = 4 \text{ mm}$$

$$h_{NVS, \max} = 11 \text{ mm}$$

- 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.

Performance data

Designation	Item no.	Description
X-MCT MX	2276132	Metal cable tie holder

