



X-ET

**Nail for fastening plastic electrical
cable tray and junction box**

Data Sheet



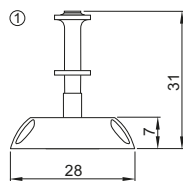
01 Apr 2026

X-ET Nail for fastening plastic electrical cable tray and junction box

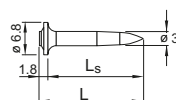
Product data

Dimensions

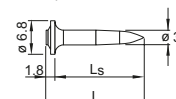
X-ET UK-H27



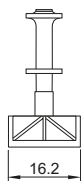
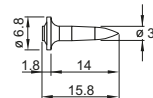
X-GHP 20/24



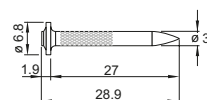
X-P 20/24 G3 MX



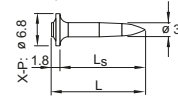
X-S 14 G3 MX



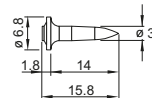
X-GN 27



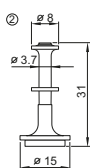
X-P 20/24 B3 MX



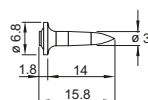
X-S 14 B3 MX



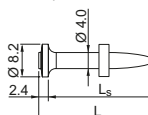
UK-H27



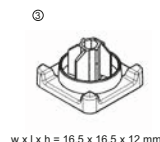
X-EGN 14



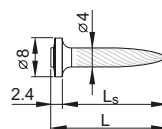
X-P 22/27



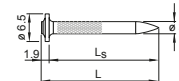
X-ET MX



X-U 16/22/27



X-C 27 G3 MX



Material specifications

X-ET	Polyethylene (PE)
X-ET MX	Polyamide (PA), halogen and silicone free, light grey (RAL 7035) and Polybutylenterephthalate (PBT), silicone free, flame retardant, stone grey (RAL 7030)

Recommended fastening tools

DX 6 MX, DX 5 MX, DX 460 MX, DX 4 MX, DX 351 MX
 DX 6 F8, DX 5 F8, DX 460 F8, DX 4 ME, DX 351 ME, DX 2
 GX 120-ME, GX 3-ME, BX 3-ME

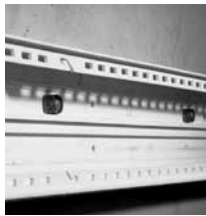
• See fastener program in the next pages.

Applications

Examples



Cable trunking



Cable trunking



Junction boxes



Conduits & pipes with metal or textile band

Performance data

Recommended service load

Designation	Service load
X-ET MX	0.1 kN



- Recommended service load is determined by the serviceability of the plastic part.

Application recommendation

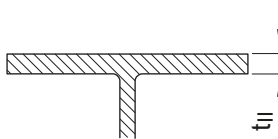
Base material thickness

Concrete

X-U, X-P:	$h_{\min} = 80 \text{ mm}$
X-P B3 MX:	$h_{\min} = 60 \text{ mm}$
X-P G3 MX, X-GHP:	$h_{\min} = 60 \text{ mm}$
X-C 27 G3 MX, X-GN 27 MX:	$h_{\min} = 60 \text{ mm}$

Steel

$t_{\parallel} \geq 4 \text{ mm}$



Corrosion information



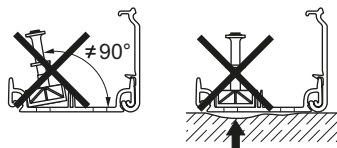
- These zinc-coated fasteners are not suitable for long-term service outdoors or in otherwise corrosive environments.
- For more details, please refer to following technical document: Hilti Corrosion Handbook.

System recommendation

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

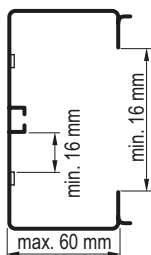
Installation information

Conditions for use



- No fastenings on ribs
- Underside of trunking must be smooth
- X-ET MX only in pre-drilled holes

Trunking dimensions and properties



- Material thickness: $t_1 \leq 2 \text{ mm}$
- Material: PVC

Power-actuated tool and fastener recommendation

Base material	Cable holder	Power-actuated tool	Fastener
Concrete or masonry	X-ET MX	GX 3-ME	X-P 20/24 G3 MX
			X-C 27 G3 MX
		GX 120-ME	X-GHP 20/24 MX
	X-ET UK-H27	DX 6 MX, DX 5 MX, DX 460 MX, DX 4 MX, DX 351 MX	X-GN 27 MX
			X-P 20/24 B3 MX
			X-U 22/27 MX
Steel	X-ET MX	GX 3-ME	X-P 22/27 MX
	X-ET MX	GX 120-ME	X-S 14 G3 MX
		BX 3-ME	X-EGN 14 MX
	X-ET UK-H27	DX 6 MX, DX 5 MX, DX 460 MX, DX 4 MX, DX 351 MX	X-S 14 B3 MX
			X-U 16 MX

Cartridge recommendation for fastening to concrete and masonry

Base material	Cartridge color (tool power level)	
	Tool type: DX 6 MX	Tool type: DX 5 MX, DX 460 MX, DX 4 MX, DX 351 MX
	DX 6 F8	DX 5 F8, DX 460 F8, DX 4 ME, DX 351 ME, DX 2
	Cartridge type: 6.8/11 M	Cartridge type: 6.8/11 M
Sand lime masonry	titanium ■ (1-5)	green ■, yellow ■
Soft/medium concrete	titanium ■ (2-5)	yellow ■, red ■
Tough concrete	titanium ■ (4-8)	yellow ■, red ■



- Tool power level adjustment by setting tests on site.
- Start tool energy selection with lowest recommended tool power level.

Cartridge recommendation for fastening to steel

Base material	Cartridge color (tool power level)	
	Tool type: DX 6 MX	Tool type: DX 5 MX, DX 460 MX, DX 4 MX, DX 351 MX
	DX 6 F8	DX 5 F8, DX 460 F8, DX 4 ME, DX 351 ME, DX 2
	Cartridge type: 6.8/11 M	Cartridge type: 6.8/11 M
S235, S275, S355	$4 \leq t_{\parallel} \leq 14 \text{ mm}$	titanium ■ (2-8) yellow ■, red ■



- Tool power level adjustment by setting tests on site.
- Start tool energy selection with lowest recommended tool power level.

System recommendation for gas-actuated tools

GX tools	GX 120-ME	Gas can GC 20, GC 21 and GC 22
	GX 3-ME	Gas can GC 40, GC 41 and GC 42

Fastener program

Item no. and description

Designation	Item no.	Description
X-ET UK-H27	251705	X-ET
X-ET MX	285718	