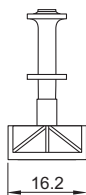
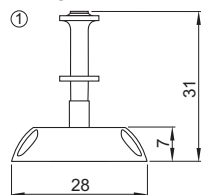


X-ET for Fastening Plastic Electrical Cable Trays and Junction Boxes

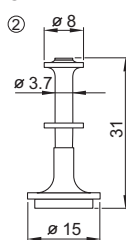
Product data

Dimensions

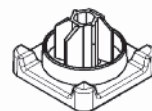
X-ET UK-H27



UK-H27

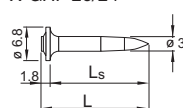


X-ET MX

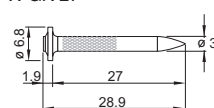


w x l x h = 16.5 x 16.5 x 12 mm

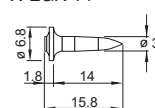
X-GHP 20/24



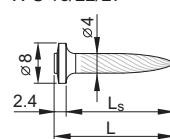
X-GN 27



X-EGN 14



X-U 16/22/27



General information

Material specifications

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

Nails:

Carbon steel	HRC 58	X-GHP 20/24, X-EGN 14
	HRC 53.5	X-GN 27
	HRC 58	X-U 16 / 22 / 27
Zink-coating	2–13 µm	X-GHP 20, X-EGN 14, X-GN 27
	5–20 µm	X-U

Recommended fastening tools

DX 460-MX, DX 351-MX, GX 120-ME, GX 100-E

See **X-ET fastener program** in the next pages and **Tools and equipment** chapter for more details.

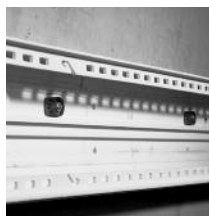


Applications

Examples



Cable trunking



Cable trunking



Junction boxes



Conduits & pipes with metal or textile band

Load data

Recommended load

Fastener	Service load ¹⁾ [kN]
X-ET MX	0.1

¹⁾ The recommended service load is controlled by serviceability of the plastic part.

Application requirements

Thickness of base material

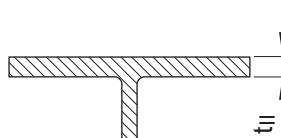
Concrete

X-U: $h_{\min} = 80 \text{ mm}$

X-GHP, X-GN: $h_{\min} = 60 \text{ mm}$

Steel

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



Corrosion information

These zinc-coated fasteners are not suitable for long-term service outdoors or in otherwise corrosive environments.

For further detailed information on corrosion see relevant chapter in **Direct Fastening Principles and Technique** section.

Fastener program

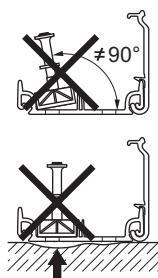
No.	Techno-logy	Base material	Fastener		Shank Ø d _s [mm]	Shank length L _s [mm]	Tools
			Fastener	Designation			
①	DX	Concrete /steel	X-ET	X-ET UK-H27	3.7	27	DX 460-F8
③	DX	Concrete /steel	X-ET MX	X-U 22/27 MX	4.0	22/27	DX 460-MX, DX 351-MX
③	DX	Steel	X-ET MX	X-U 16 MX	4.0	16	DX 460-MX, DX 351-MX
③	GAS	Concrete	X-ET MX	X-GHP 20	3.0	20	GX 120-ME
③	GAS	Concrete	X-ET MX	X-GN 27	3.0	27	GX 120-ME
③	GAS	Steel	X-ET MX	X-EGN 14	3.0	14	GX 120-ME
③	GAS	Sandlime masonry	X-ET MX	All GX nails	3.0	see above	GX 120-ME

Order information

Fastener	Item no.	Designation
X-ET	251705	X-ET UK-H27
	285718	X-ET MX
DX Nails	237344	X-U 16 MX
	237346	X-U 22 MX
	237347	X-U 27 MX
GX nails	338872	X-EGN 14 MX
	285890	X-GHP 20 MX
	340229	X-GN 27 MX

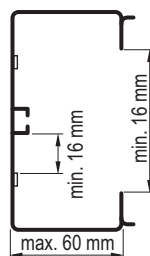
Conditions for use:

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



Trunking dimensions:

t₁ ≤ 2 mm PVC



System recommendation

DX tools: Steel: **6.8/11M yellow or red cartridge**
 Concrete: **6.8/11M yellow cartridge** on green/fresh and standard concrete
 6.8/11M red cartridge on precast, old and hard concrete
 Masonry: **6.8/11M green cartridge**

GX 120-ME tool: **Gas can GC 20, GC 21 and GC22**

GX 100-E tool: **Gas can GC 11** (GC 12 in USA)

Tool energy adjustment by setting tests on site.

