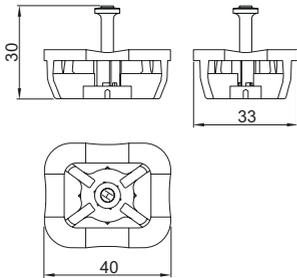


# X-UCT P27 Universal Cable Tie Holder

## Product data

### Dimensions

X-UCT P27



### Features and benefits

The X-UCT P27 is an universal cable tie holder, able to hold multiple cable ties, and it is optimized for stick rate in applications on soft & tough concrete.

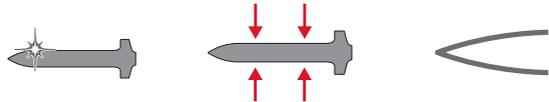
### General information

#### Material specification

Cable Tie Holder: HDPE  
 halogen and silicon free  
 Black RAL 9005

#### Nail:

Carbon Steel 59HRC 4mm shank diameter Long Conical Tip  
 Zinc Coating 5–20µm



### Recommended fastening tools

DX 2, DX 5 F8, DX 36, DX 351 F8, DX 351-CT, DX 460 F8

## Applications

### Example



Time-saving, reliable and versatile fastener for multiple cable ties on soft & tough concrete

## Performance data

Fastener	Recommended Loads [kN]		Typical cartridge colour selection	
	Tension $N_{rec}$		Type 6.8/11	
	Concrete Toughness			
	Soft	Tough	Soft	Tough
X-UCT P27	0.04	0.04	Green / Yellow	Red

### Design Conditions:

- The recommended load is controlled by serviceability of the plastic part.
- For safety relevant fastenings sufficient redundancy of the entire system is required:  
Minimum of 5 nails per application. All visible setting failures must be replaced.
- Soft concrete up to  $f_{c,cube} = 45 \text{ N/mm}^2$ , Tough concrete up to  $f_{c,cube} = 65 \text{ N/mm}^2$ .
- Concrete with aggregate like granite or river rock or softer, and up to 16 mm diameter



Stick rate estimation	
Soft Concrete	Tough Concrete
95% – 99%	90% – 95%

- The stick rate indicates the percentage of nails that were driven correctly to carry a load.
- Stick rate can vary from the above values depending on job site conditions.

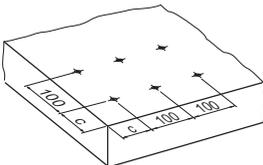
## Application requirements

### Thickness of base material

Concrete:

$$h_{min} = 80 \text{ mm}$$

### Edge distance and fastener spacing



Edge distance:

$$c \geq 70 \text{ mm}$$

Spacing:

$$s \geq 100 \text{ mm}$$

50–100 cm along the cable tie. Adjust spacing as needed to achieve stability of cable tie

## Application requirements

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 selection

#### Suitable cables with X-UCT P27

Cable type	Cable measure [Ø mm]	No. of cable
NYM 3x1.5	8	14
NYM 5x1.5	10	10

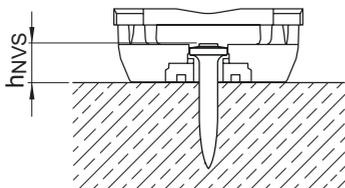
### Fastener program

Fastener Designation	Item no.
X-UCT P27	2187805

### System recommendation

Concrete: **6.8/11M green or yellow** cartridge on green/fresh and standard concrete  
**6.8/11M red** cartridge on precast, old and hard concrete  
 Tool energy adjustment by setting tests on site.

### Fastening quality assurance



$h_{NVS} = 6-11 \text{ mm}$

