

# Axelent Product Information

## » X-Guard® Equipotential Bonding Kit



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The equipotential bonding kit is used to achieve earth bonding, or protective (equipotential = EP) bonding of Axelent X-Guard<sup>1</sup> guard fencing and X-Rail<sup>2</sup> fall protection. EP bonding is recommended by EN IEC 60204-1 section 8 for many applications.

The kit is comprised of a “plug-and-play” connector for the posts and the panels, which are preassembled with a tightening screw and a connecting wire. The connector for the posts is slid through one of the key holes, the connector for the panels is slid into one of the vertical frame tubes from top or bottom. After tightening, good connection is achieved. Application of the kit has been successfully tested to IEC 61537, section 11.1.2 by an independent certification institute.

The free end of the wire should be connected to a common equipotential bonding conductor with clamping connector. We recommend placing the common EP conductor in an Axelent wire tray/X-Tray (see illustration).

**Note! Not suitable in combination with ED-paint**

**Not suitable in combination with our plastic & sheet metal panels**

### EQUIPOTENTIAL BONDING KIT

- When EP bonding is required by EN IEC 60204-1
- Preassembled “plug-and-play” connector for the post and the panels
- Successfully tested to IEC61537 section 11.1.2 by an independent certification institute
- Clamping connector included

1. Not suitable for X-Guard Lite posts. 2. Additional action required on X-Rail posts.

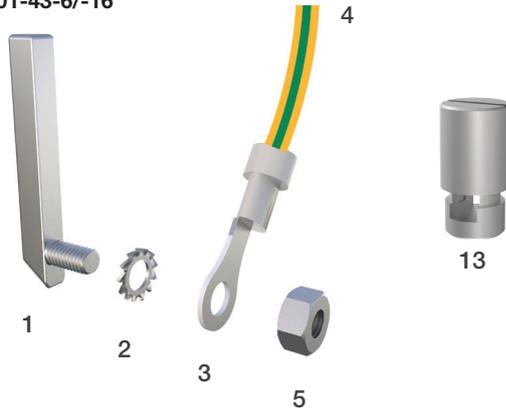
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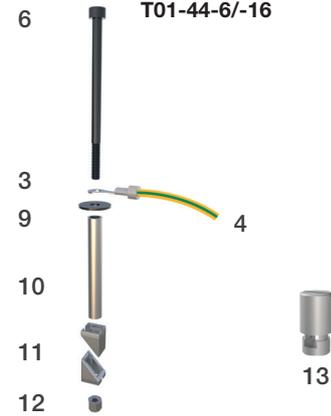
### Technical data

Art.no.	Description
T01-43-6	Equipotential bonding clamp KIT, post, cable length 650mm, 6mm <sup>2</sup> (10pcs)
T01-43-16	Equipotential bonding clamp KIT, post, cable length 650mm, 16mm <sup>2</sup> (10pcs)
T01-44-6	Equipotential bonding clamp KIT, panel, cable length 650mm, 6mm <sup>2</sup> (10pcs)
T01-44-16	Equipotential bonding clamp KIT, panel, cable length 650mm, 16mm <sup>2</sup> (10pcs)

T01-43-6/-16



T01-44-6/-16



### Materials used

Art.	Material	Art.	Material
<b>T01-43-6/-16</b>		<b>T01-44-6/-16</b>	
1	Post connector	6	Screw
2	Washer	3	Cabel lug
3	Cabel lug	4	Cable
4	Cable	9	Washer
5	Nut	10	Pipe
13	Connector 2568-1	11	Panel connector
		12	Nut
		13	Connector 2568-1



#### WARNING

Faulty protective bonding or earth bonding may cause severe injury or death by electric shock!



The protective bonding conductor must be connected to the machine/system's protective earthing terminal exclusively by a qualified electrician.

To check and ensure continuity and low impedance, a final inspection must be performed on site by a qualified electrician (compare EN (IEC) 60204-1 chapter 18).

