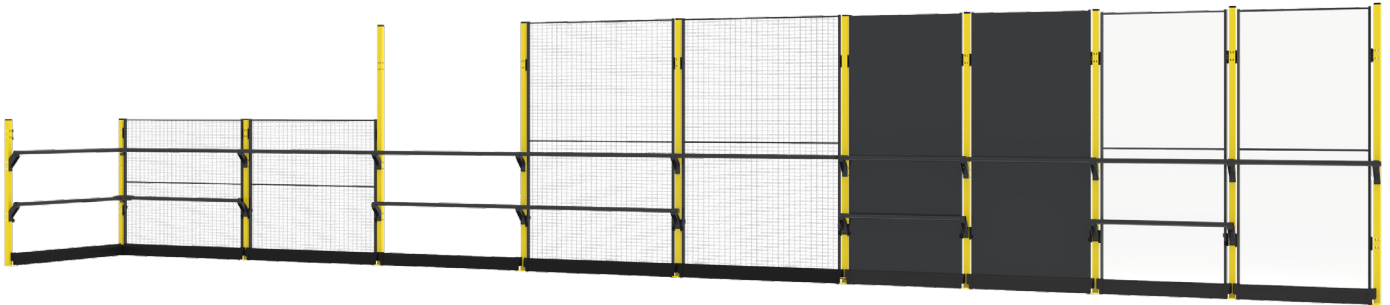


# Axelent Productinformation

## » X-Rail Fall Protection



## Axelent X-Rail Fall Protection

Our X-Rail fall protection system can be used as an edge protection for mezzanine floors.

The system is a modification of our X-Guard range and therefore the system can fill dual purposes, mezzanine protection and machine guarding.

X-Rail can be used either without panels or with X-Guard Classic panels - mesh, plastic, and sheet metal.

*Note! If no panel is used between the posts – Handrail, Knee rail and kick plate are used. If a panel is used between the posts, only the handrail and kickplate is mandatory.*

Tested and approved against the following standards:

- DIN EN ISO 14122-3: 2016
- BS 6180:2011
- AS 1657:2018
- OSHA 1910.29

All tests and verification have been performed with below various types of floor to ensure that it works in different environments:

- Concrete
- 38 mm mdf board placed on top of an I-beam in steel
- Grid floor placed above an I-beam in steel





## Technical information

### Mesh panels

Our mesh panels 1300 mm and 2200 mm comes in 13 different widths. Both of the panels have customized post to fit the height. See next page.

The standard panel colour is RAL 9011 but customized colours are available upon request.

### Sheet metal and plastic panels

The X-Rail series also has sheet metal and plastic panels and they come in one height, 2200 mm, and four widths. Sheet metal panels come in standard colour RAL 9011.

### Post

The post 50x50 mm comes in two heights and the colours range is RAL 1018, but customized colours are available upon request.

### Handrail

Available in length to fit panels with the width 1000 mm and 1500 mm. For other widths of panels, the handrail needs to be adjusted in length by being cut in place during assembly. Brackets for placement in keyholes are a standard default but if free placement is needed there is a separated article number.

The standard colour is RAL 9011 (only available in this color).

### Kick plate

A kick plate is always included in RAL 9011 (only available in this color).

Available in length 1000 mm and 1500 mm, for other lengths the plate needs to be cut in place during assembly.

### Product facts X-Rail

|                      |                                |
|----------------------|--------------------------------|
| Uprights             | 30x20 mm                       |
| Horizontals          | 25x15 mm                       |
| Posts                | 50x50 mm                       |
| Vertical wires       | Ø 3 mm                         |
| Horizontal wires     | Ø 2.5 mm                       |
| Mesh aperture        | 50x30 mm                       |
| Plastic              | 2 mm (thermoplastic polyester) |
| Sheet                | 0,8 mm                         |
| Finish               | Phosphatising/Epoxy paint      |
| Colour mesh panel    | Graphit black RAL 9011         |
| Colour post 50x50 mm | Zink yellow RAL 1018           |

(Other colours can be quoted)

### X-Rail - standard colours

Panels



Graphit black  
RAL 9011

Posts 50x50 mm



Zink yellow  
RAL 1018

**Mesh panels Classic 50x30 mm**

| Art.no                          | Height (mm) | Width (mm) | Art.no      | Height (mm) | Width (mm) |
|---------------------------------|-------------|------------|-------------|-------------|------------|
| <b>Graphit black (RAL 9011)</b> |             |            |             |             |            |
| W322-130025                     | 1300        | 0250       | W322-220025 | 2200        | 0250       |
| W322-130040                     | 1300        | 0400       | W322-220040 | 2200        | 0400       |
| W322-130050                     | 1300        | 0500       | W322-220050 | 2200        | 0500       |
| W322-130060                     | 1300        | 0600       | W322-220060 | 2200        | 0600       |
| W322-130070                     | 1300        | 0700       | W322-220070 | 2200        | 0700       |
| W322-130080                     | 1300        | 0800       | W322-220080 | 2200        | 0800       |
| W322-130090                     | 1300        | 0900       | W322-220090 | 2200        | 0900       |
| W322-130100                     | 1300        | 1000       | W322-220100 | 2200        | 1000       |
| W322-130110                     | 1300        | 1100       | W322-220110 | 2200        | 1100       |
| W322-130120                     | 1300        | 1200       | W322-220120 | 2200        | 1200       |
| W322-130130                     | 1300        | 1300       | W322-220130 | 2200        | 1300       |
| W322-130140                     | 1300        | 1400       | W322-220140 | 2200        | 1400       |
| W322-130150                     | 1300        | 1500       | W322-220150 | 2200        | 1500       |

(Fixings are included with the panels)

**Plastic****Sheet**

| Art.no      | Height (mm) | Width (mm) | Art.no      | Height (mm) | Width (mm) |
|-------------|-------------|------------|-------------|-------------|------------|
| W328-220025 | 2200        | 0250       | W329-220025 | 2200        | 0250       |
| W328-220040 | 2200        | 0400       | W329-220040 | 2200        | 0400       |
| W328-220070 | 2200        | 0700       | W329-220070 | 2200        | 0700       |
| W328-220100 | 2200        | 1000       | W329-220100 | 2200        | 1000       |

(Fixings are included with the panels)

(Fixings are included with the panels)

**Posts**

| Art.no                                     | Gap to floor (mm) | Height (mm) |
|--|-------------------|-------------|
| <b>50 x 50 mm - Zink yellow (RAL 1018)</b> |                   |             |
| P1170-140                                  | 100               | 1400        |
| P1170-230                                  | 100               | 2300        |

## Handrail

| Art.no      | Description  |
|-------------|--|
| G2528-107-3 | Handrail L=1000 mm, RAL 9011                               |
| G2528-157-3 | Handrail L=1500 mm, RAL 9011                               |
| B00-059     | Handrail fittings with selfdrilling screw, 1 KIT, RAL 9011 |
| B00-060     | Handrail fittings with rivet, 1 KIT, RAL 9011              |
| G3056       | End plug   |
| G2529       | Handrail inner corner (with support arm), RAL 9011         |
| G2530       | Handrail outer corner, RAL 9011                            |
| G2531       | Handrail end, RAL 9011                                     |

## Kick plate

| Art.no      | Description                       |
|-------------|-----------------------------------|
| T08-3-100RE | Kick plate L=1000 mm, RAL 9011    |
| T08-3-150RE | Kick plate L=1500 mm, RAL 9011    |
| B00-057     | Inner corner bracket to Kickplate |

## Accessories

| Art.no | Description  |
|--------|--|
| T01-25 | Shim set, 2x2mm + 2x4mm, for post height adjustment X-Rail |
| T01-41 | Shims set, for post adjustment (20pcs), 22x20x11x0,7 mm    |
| T01-42 | Shims set, for post adjustment (20pcs), 50x40x13x1,0 mm    |