Axelent Productinformation
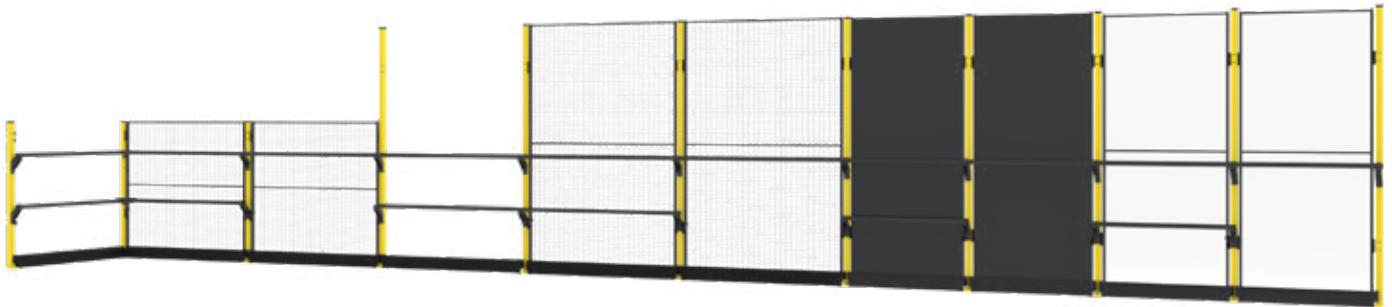
Axelent X-Rail Fall Protection

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 seperated 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.

X-Rail - standard colours

Panels

Graphit black
RAL 9011

Posts 50x50 mm

Zink yellow
RAL 1018

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)

Mesh panels Classic 50x30 mm

Art.no	Height (mm)	Width (mm)	Art.no	Height (mm)	Width (mm)
Graphit black (RAL 9011)					
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)
50 x 50 mm - Zink yellow (RAL 1018)		
P1170-140	100	1400
P1170-230	100	2300

X-Rail Self-closing swing gate

Art.No.	Description
Zink yellow (RAL 1018)	
T01-50	X-Rail self-closing swing gate B = 690 - 1210 mm adjustable, RAL1018

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
G2529	Handrail inner corner (with support arm), RAL 9011
G2530	Handrail outer corner, RAL 9011
B00-103	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

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