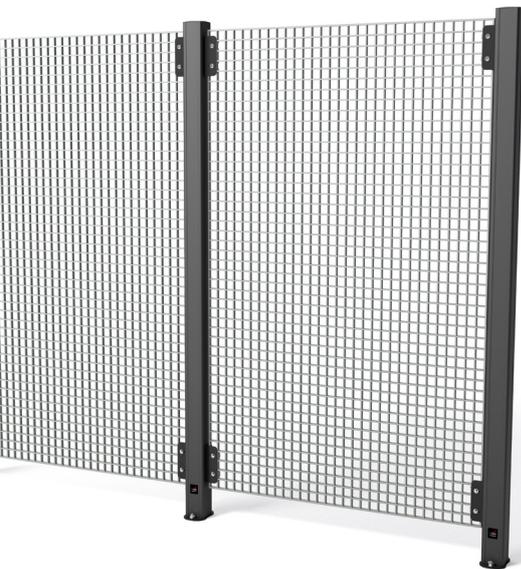


# FE FENCE BOPLAN HANDRAILS SPECIFICATION SHEET

Boplan reference: FE09..

Revision: 6 December 2019 1:15 PM



## PRODUCT SPECIFICATIONS

### APPLICATION

Environment	The FE Fence provides a cost-efficient guarding and protection for pedestrians. The glass fibre reinforced resin gives the fence flexibility to return to its original shape after an impact. This means it requires less maintenance than metal fencing.
Compliance	The narrow mesh size allows a close safety distance of 200mm towards the danger. (According machine directive 2006/42/EC)
Advisory speed	This product is not intended for impact with fork lift trucks or other motorized vehicles.

### MATERIAL

Posts	Polyolefin - UV resistant - Fire class HB <sup>*</sup> - Non conductive - Impervious to most chemical products <sup>**</sup>
Mesh	Glass fiber reinforced composite

### STANDARD COLORS

End post	Black
Mid post	Black
Mesh	Black

### BASEPLATES

	Steel
Material	Steel 37
Coating	Lacquered
Color	High gloss black

### FIXATIONS

	ZINC COATED
EXPANSION ANCHOR 	Length = 120 mm Size = M12 Drill hole diameter = 12 mm Max load (pull out) = 7.9 kN
THREADED ROD (WITH CHEMICAL ANCHOR) 	Length = 120 mm Size = M12 Drill hole diameter = 14 mm Max load (pull out) = 16 kN

<sup>\*</sup>Fire class HB = Slow burning; classification according to UL94: US Standard for Safety of Flammability of Plastics

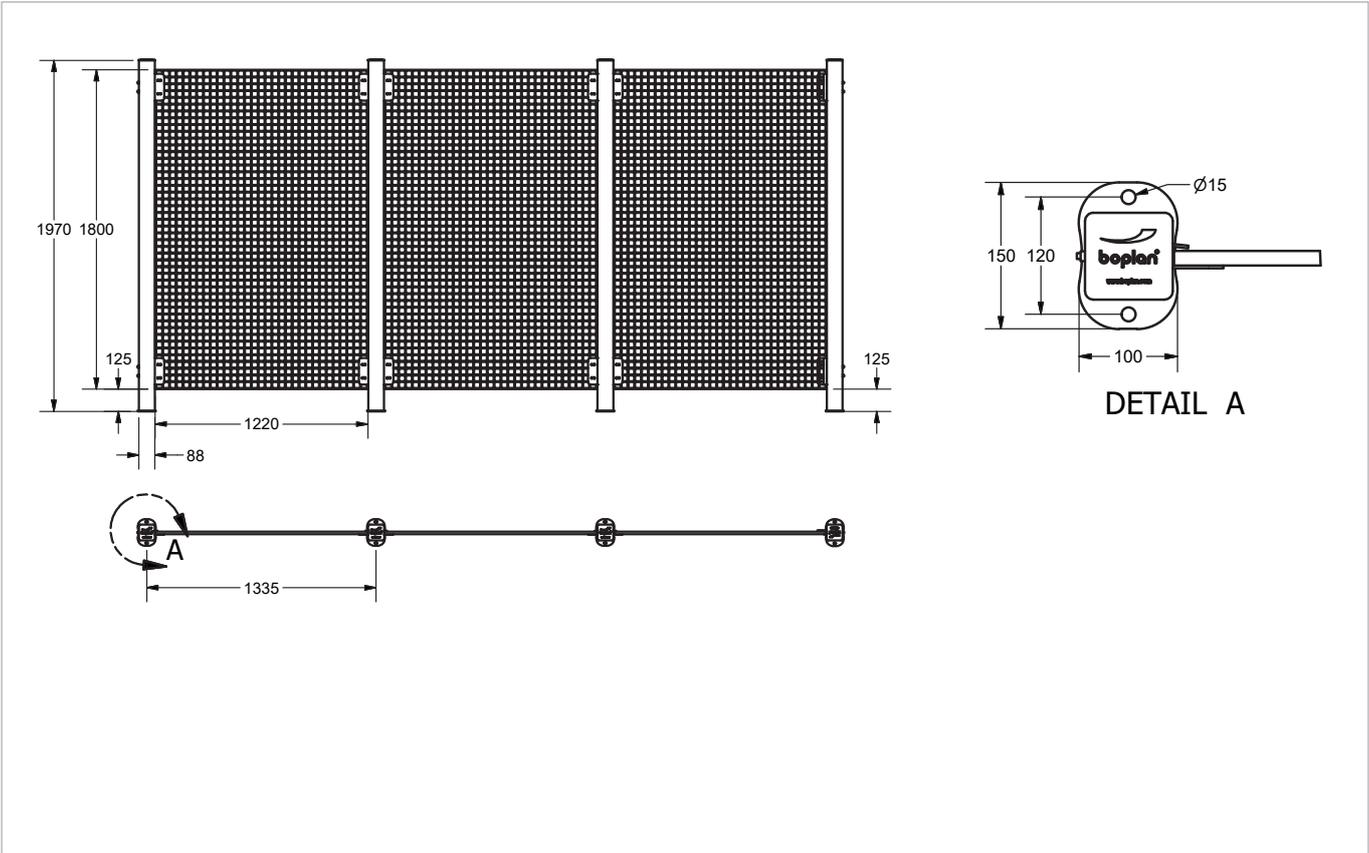
<sup>\*\*</sup>Ask your local sales office for resistance to specific chemicals.



## FEATURES AND FUNCTIONALITY

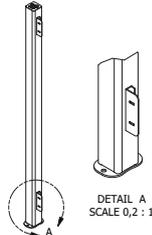
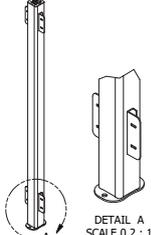
SIZE	
Height end posts	1970 mm
Height mid post	1970 mm
Profile section posts	Profile: 88 mm x 88 mm (7.5 mm thick)
Standard mesh panel	Thickness: 13 mm Width: 1220 mm Height: 1800 mm Mesh inner dimension: 33 mm x 33 mm
Baseplate	150 mm x 100 mm x 5 mm
IMPACT PERFORMANCE	
Impact resistance of mesh panel.	Static point load of 450 Newton gives a maximum deflection of 15.7 mm

REQUIREMENTS	
Concrete quality	minimum C25/30
Concrete floor plate thickness (mm)	minimum 150 mm
Concrete slab dimension around posts (mm)	600 (h) x 600 (w) x 300 (d)
Operational temperature	-10°C up to +40°C
Water and humidity	<b>Steel</b> (standard): dry indoor use only. <b>Zinc coated:</b> outdoor use in most environments. <b>RVS:</b> outdoor use or frequent exposure to water and humidity.



**REFERENCE LIST - FE FENCE**

**POSTS**

End post - BL	End Corner post - BL - 90° - Up	End Corner post - BL - 90° - Down	Mid post - BL
FE0900-0001-EPBL	coming soon	coming soon	FE0900-0001-MPBL
 <p>DETAIL A SCALE 0,2 : 1</p>			 <p>DETAIL A SCALE 0,2 : 1</p>

**RAIL SETS**

	Fence length	CC length	Fence height	REFERENCE
Standard Fence Panel	1220 mm	1335 mm	1800 mm	FE0903-1220-1800BL
Variable length Fence Panel	600-1220 mm	815-1335 mm	1800 mm	FE0903-1220-181CBL

