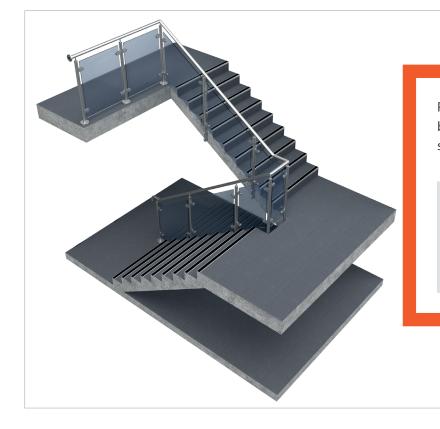


OS210 TUBULAR POST & RAIL GLASS INFILL SYSTEM SIDE FIX OS211 TUBULAR POST & RAIL GLASS INFILL SYSTEM TOP FIX





Practical and aesthetically pleasing tubular balustrade system particularly good for staircases.

Key Benefits

- Pre-manufactured to speed up installation.
- No hot works on site.
- 100% bolt through glass lugs eliminating glass slippage.



Orbis is our most popular system, utilised in many varied applications due to its flexibility and is very quick to install. Especially common in public buildings and schools.

FINISH TYPE	PRODUCT	INTERNAL	EXTERNAL	MARINE*
Satin polish stainless steel	Sigma	1		
	Ultra		1	
Bright polish stainless steel	Lustre	1	1	1
PPC solid colour	HiBuild	1		
	HiBex		1	
PPC metallic colour	HiMet	1		
	HiMex		1	
Hardwood (Handrails only)	Delamere	1		

Options

Fixing

- SF1 2 Point Side Fix
- TF1 Top Fix (with circular cover rose)
- TF2 Grout Fix (with circular cover rose)
- TF4 Offset Top Fix

Glass Options

- Toughened Glass
 Laminated Glass
- (Recommended) Heatsoaked Glass
- Etched (sandblasted)
- Screen Printed
- Coloured
- Extended glass (above the handrail)

- Loadings
- 0.74kN • 1.5kN
- 3.0kN



Handrail & bracket type*

 BB3 - Offset handrail (single or double) with radius bracket

Panel Clamps





• L4 - Banjo lug

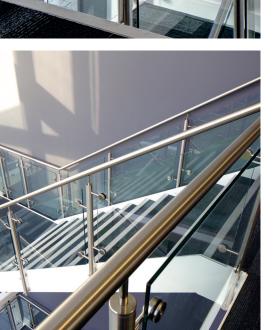
*All available with or without lighting.





Applications

For internal, external & marine applications in hotels & leisure, healthcare, residential, education, transport, commercial, retail, community & public, stadiums. Delta Balustrades





Technical Information

Fixing Position Height Guidance Baluster Size Handrail Size Glass Thickness Well Width To suit stair angle • 900-1000mm Stairs • 50 Series 40 Series Toughened 10mm • 26 - 36 degrees • 200mm minimum side fix • Top fix (TF1) 48-51mm - 0.74kN 42mm tubular 100mm from face of stair/ • 1100mm Min on landings/ Laminated 11.5mm • No minimum for top fix loading slab to centreline voids 50 Series of balustrade 60 Series 50mm tubular Infill or balustrade can • Offset Top fix (TF4) 80mm from face of stair/slab 60-63mm - 1.5kN 60 Series continue above 1100mm & 3.0kN loading 60mm tubular to centreline • **70 Series** 70-76mm - 3.0kN loading of balustrade Side fix (SF1) 40mm from face of stair/slab to centreline of balustrade 0 Stainless steel Dome head nute **Cost Indication** Orbis Mono Duo Vista SF1 TF1 •