



CIRCUM™ Round Stainless Steel Railing System

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Detailed description

Pre-engineered, modular stainless steel round post balustrade system suitable for interior and exterior applications.

Features and benefits:

- Comprised of 49 mm diameter posts with 38 or 51 mm top rails in either brushed stainless steel or a selection of hardwoods that can be a natural finish or stained to match other interior wood finishes.
- Hidden mechanical connections throughout minimize on-site assembly, requiring no welding or gluing and provide security after installation.
- Bends or mitred joints are factory prepared to tight tolerances ensuring quality of fit and finish.
- Manufactured from 1.4307 (304L) grade stainless steel for internal use, or 1.4404 (316L) grade stainless steel for external use.
- Components are interchangeable with all HDI systems.
- Top rails and infill options are available either in-line with posts or offset to the side of posts.
- Designed, engineered and manufactured in accordance with BS 6180, BS 6399 and BS 8300.
- Quick, efficient installation.
- 25-year guarantee.

Applications:

- Single or multi-dwelling units.
- Offices and industrial buildings.
- Schools.
- Health care.
- Assisted living facilities.
- Public buildings.

Approvals:

CIRCUM™ handrails meet ADA requirements.

Product guidance - As Standard

Finish:

All stainless steel supplied in a brushed (240-grain) satin finish.

Options

HDI Railing Systems



Top rail:

- Dimensions:

- Tube wall: 2 mm-thick (steel/ stainless steel models only).
- Handrails may be curved to meet stair conditions.

- Material:

Wood species:

- Kiln dried as standard.
- Other species and finishes available on request (a sample must be submitted for finish required).
- Wood rail attaches to 9 x 13 x 203 mm stainless steel bar at supports and connections.

Infill:

- Type:

Bespoke materials, patterns and perforations are available; consult manufacturer for details.

- CIRCUM™ cable infill: 4 mm diameter 1.4401 (316) grade stainless steel 6x7 stranded cable.
- Resin: A blend of polyester resin for interior applications.
- Stainless steel panel, perforated: Rectangular frame 13 x 38 mm; brushed finish; 2 mm-thick panel, 10 mm squares on 13 mm centres; polished longitudinally to mitre cuts.
- Stainless steel infill rods: Attached to post with stainless steel clamping fixture.
- Stainless steel picket: Horizontal supports: 16 mm diameter connected to 10 mm vertical rods; Attached to post with stainless steel clamping fixture; Gaps between pickets and adjacent posts to be equalized depending on rail length and site conditions.

Post:

- Spacing:

Maximum post spacing: 1300 mm.

- Fixing:

- Core mounted spigot fixing with cover plate: Post extends into hole in the concrete structure. Concrete minimum: Thickness 152 mm; 3000 psi; edge distance 79 mm.
- Side/ top mounted to steel or concrete with plate fixing: Recommend fastening material: Chemical or mechanical anchor 13 mm wood lag or through-bolt.
- Top mounted to steel with welded fixing: Welded fastener to be installed by factory approved welder. Post secured to base with set screws.



Product specification

Manufacturer

- Name: HDI Railing Systems
- Web: www.hdirailings.co.uk
- Email: Smaguire@hdirailings.com
- Tel: +44 7383 436490
- Address: 1st Floor West Davidson House, Forbury Square, Reading, Berkshire RG1 3EU

Product reference CIRCUM™ Round Post Railing System

Layout 

Loading requirement 0.36 kN/m
0.74 kN/m
1.5 kN/m
3.0 kN/m

Top rail

- Diameter 38 mm - Standard.
51 mm
- Material 1.4307 (304L) grade stainless steel - Standard for internal use.
1.4404 (316L) grade stainless steel - Standard for external use.
Solid wood/ stainless steel
- Wood species Not required - Stainless steel handrails only.
Beech - Standard.
Beech with dark cherry stain
Beech with light cherry stain
Birch - Standard.
Birch with light cherry stain
Maple - Standard.
Oak with dark cherry stain
Bespoke - Consult manufacturer and insert requirements.

- End style Curved wall return
Straight
- Supports
Type Not required
Elbow



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NBS Plus

Straight