

L30 STAIRS/WALKWAYS/BALUSTRADES BALUSTRADE(S) AND HANDRAILS(S)

These NBS specifications are intended to simplify the specification process but should be read in conjunction with current building regulations and British standards as well as manufacturers test certificates to ensure the system has full compliance.

Detailed description

Balustrade system capable of using varying glass thicknesses from 12mm to 21.52mm toughened and laminated glass.

Top Fixed, in either standard top mounted or side fixed Fascia mounted Aluminium Profiles (Hole centres dependent on structure and required loading performance).

Handrails are available in related stainless steel, Aluminium or wood which can sit directly onto the top of the glass panels using our rubber insert. A number of diameters and profiles are available in different grades. The system is also available with off-set handrails which are fixed through holes in the glass.

The system has been designed to complement the existing range of Q-railing high-quality architectural fittings.

We also recommend that you visit our website for CAD drawings, BIM Objects, safety certificates, portfolio, news and essential contact details. It is also recommended that you seek guidance from Q-railing Architectural team to ensure that your specifications are fit for purpose and comply with varying loading requirements.

System includes:

- Varying Aluminium base channel for fixing glass (2500mm Long or 5000mm) with various rubber glazing seal options for fixed applications.
- Choice of handrails including wooden (Beech, Oak lacquered, Beech, P11 stained and lacquered), square, rectangular, circular or elliptical in stainless steel grades 304 or 316 with options for satin or mirror polished surface finish and Aluminium finish
- Glass infill available in different thicknesses varying from 12mm to 21.52mm. All glass is bespoke to each specific project.
- Design criteria 0.36, 0.74 kN/m

Product Guidance:

Even top-quality materials are only as good as the workmanship used to process them. Easy installation techniques are created by modular parts with maximum precision fittings. Safety is very important in railing manufacture; vertical and horizontal loadings must be adsorbed. Reference should be made between product test certification and loading requirements set out in the current building regulations and British standards to ensure that the overall system has full compliance.

Product Guidance:

Our website address: www.q-railing.com

Product reference: Q-railing, Easy Glass® Smart full glass railing system for various mounting applications, for indoor and outdoor use consisting of channel profile, glass handrail profile, glass and accessories.

Base Channel:

Easy Glass Smart Top Mount channel

- 16.6930.500.00 (5000mm Length) – Mill finish Aluminium
- 16.6930.000.18 (2500mm Length) – Brushed Aluminium
- 16.6930.500.18 (5000mm Length) – Brushed Aluminium

Easy Glass Smart Fascia Mounted channel

- 16.6931.500.00 (5000mm Length) – Mill finish Aluminium
- 16.6931.000.18 (2500mm Length) – Brushed Aluminium
- 16.6931.500.18 (5000mm Length) – Brushed Aluminium

Fascia Profile available with either: -

- 24.6915.033.36 ABS Blind bungs for covering fixing holes
- 16.6920.531.18 Brushed Aluminium cladding

Glazing infill:

Type: As drawing _____ Suitable glazing thickness: 12mm to 21.52mm

Rubber sets, inlay and Q-disc:

Option – for Fixed Q-disc system

- 19.6930.912.00 for 12mm toughened glass
- 19.6930.913.00 for 12.76-13.52mm toughened laminated glass
- 19.6930.915.00 for 15mm toughened glass
- 19.6930.917.00 for 16.72mm-17.52mm Toughened laminated glass
- 19.6930.919.00 for 19mm toughened glass
- 19.6930.921.00 for 20.76mm-21.52mm toughened laminated glass

Note refer to Q-railing test data for glass specification in relation to specific loading criteria required for various building types. Email ukconsultant@q-railing.com

Capping rail:

Internal specification

- 13.6920.042.12 – 42.4mm diameter, wall thickness 1.5 mm, 304 Satin 320 Grit
- 13.6920.048.12 – 48.3mm diameter, wall thickness 1.5mm, 304 Satin 320 Grit
- 13.6920.060.12 – 60.3mm diameter, wall thickness 1.5mm, 304 Satin 320 Grit
- 13.6920.040.12 – 40 x 40mm square, wall thickness 1.5mm, 304 Satin 320 Grit
- 13.6925.640.12 – 60 x 40mm Rectangular, wall thickness 1.5mm, 304 Satin 320 Grit
- 20.6925.042.40 – 42.4mm diameter, Beech, lacquered
- 20.6925.042.43 – 42.4mm diameter, Oak, lacquered
- 20.6925.042.41 – 42.4mm diameter, Beech, P11 stained and lacquered
- 20.6945.118.40 – Edge protection, 18.5mm internal width. Beech lacquered
- 20.6945.122.40 – Edge protection, 22.5 internal width. Beech lacquered
- 20.6945.118.43 – Edge protection, 18.5mm internal width. Oak lacquered
- 20.6945.122.43 – Edge protection, 22.5mm internal width. Oak lacquered

External specification

- 14.6920.042.12 – 42.4mm diameter, wall thickness 1.5 mm, 316 Satin 320 Grit
- 14.6920.048.12 – 48.3mm diameter, wall thickness 1.5mm, 316 Satin 320 Grit
- 14.6920.060.12 – 60.3mm diameter, wall thickness 1.5mm, 316 Satin 320 Grit
- 14.6920.040.12 – 40 x 40mm square, wall thickness 1.5mm, 316 Satin 320 Grit
- 14.6925.640.12 – 60 x 40mm Rectangular, wall thickness 1.5mm, 316 Satin 320 Grit
- 14.6920.042.10 – 42.4mm diameter, wall thickness 1.5mm, 304 Mirror polished
- 14.6920.048.10 – 48.3mm diameter, wall thickness 1.5mm, 304 Mirror polished
- 20.6945.118.44 – Edge protection, 18.5mm internal width, Oak glazed
- 20.6945.122.44 – Edge protection, 22.5mm internal width, Oak glazed
- 14.6940.114.12 – Edge protection, 14.4mm internal width, 316 Satin 320 Grit
- 14.6940.118.12 – Edge protection, 18.5mm internal width, 316 Satin 320 Grit
- 14.6940.122.12 – Edge protection, 22.6mm internal width, 316 Satin 320 Grit
- 14.6940.126.12 – Edge protection, 26.5mm internal width, 316 Satin 320 Grit
- 16.6940.118.18 – Edge protection, 18.5mm internal width, Aluminium stainless steel effect
- 16.6940.122.18 – Edge protection, 22.5mm internal width, Aluminium stainless steel effect
- 14.6940.030.12 – U profile, internal width 24mm, 316 Satin 320 Grit
- 14.6340.040.12 – U profile, internal width 34mm, 316 Satin 320 Grit
- 16.6945.013.18 – U Profile, internal width 13.25mm, Aluminium stainless steel effect
- 16.6945.018.18 – U Profile, internal width 18mm, Aluminium stainless steel effect
- 16.6940.022.18 – U Profile, internal width 22mm, Aluminium stainless steel effect
- 16.6920.040.18 – 40 x 40mm Square, 24mm internal width, Aluminium stainless steel effect
- 16.6920.040.09 – 40 x 40mm Square, 24mm internal width, Aluminium stainless steel effect IX
- 16.6920.654.08 – 65 x 40mm rectangular profile, Aluminium matt Silver effect
- 16.6920.654.09 – 65 x 40mm rectangular profile, Aluminium Stainless steel effect IX
- 16.6920.654.00 – 65 x 40mm rectangular profile, Aluminium raw finish
- 16.6920.042.18 – 42.4mm diameter, Aluminium stainless steel effect
- 16.6920.042.09 – 42.4mm diameter, Aluminium stainless steel effect IX

Additional notes

All Cap rails have rubber gaskets to suite extrusion width which varies in accordance with the thickness of the glass. All Cap rails have pre-made accessories including 90 degree corner, adjustable angles, in-line connectors, which are compatible with Q-railing fittings.

Off-set handrail option:

Glass to Glass handrail brackets:

Internal Specification

- 13.0148.000.12 – Handrail bracket for square rail fixing – 77mm of set to C/L of handrail, 304 Satin
- 13.0148.044.12 – Handrail bracket for either 42.4 or 48.3mm – 77mm to C/L of handrail, 304 Satin
- 13.0117.000.12 – Handrail bracket for square rail fixing – 77mm of set to C/L of handrail, 304 Satin
- 13.0117.042.12 – Handrail bracket for 42.4mm diameter, 77 to C/L of handrail, 304 Satin
- 13.0117.048.12 – Handrail bracket for 48.3mm diameter, 77 to C/L of handrail, 304 Satin
- 13.9350.042.12 – Handrail bracket for 42.4mm diameter, 107 to C/L of handrail, 304 Satin
- 13.9350.048.12 – Handrail bracket for 48.3mm diameter, 107 to C/L of handrail, 304 Satin

External Specification

- 14.0148.000.12 – Handrail bracket for square rail fixing – 77mm of set to C/L of handrail, 316 Satin
- 14.0148.044.12 – Handrail bracket for either 42.4 or 48.3mm – 77mm to C/L of handrail, 316 Satin
- 14.0117.000.12 – Handrail bracket for square rail fixing – 77mm of set to C/L of handrail, 316 Satin
- 14.0117.042.12 – Handrail bracket for 42.4mm diameter, 77 to C/L of handrail, 316 Satin
- 14.0117.048.12 – Handrail bracket for 48.3mm diameter, 77 to C/L of handrail, 316 Satin
- 14.9350.042.12 – Handrail bracket for 42.4mm diameter, 107 to C/L of handrail, 316 Satin
- 14.9350.048.12 – Handrail bracket for 48.3mm diameter, 107 to C/L of handrail, 316 Satin

Handrail Options:

Internal Specification

- 13.0900.242.12 – 42.4mm diameter, wall thickness 1.5mm, 304 Satin 320 Grit
- 13.0900.248.12 – 48.3mm diameter, wall thickness 1.5mm, 304 Satin 320 Grit
- 13.4900.041.12 – 40 x 10mm rectangular, wall thickness 1.5mm, 304 Satin 320 Grit
- 13.4900.040.12 – 40 x 40mm Square, wall thickness 1.5mm, 304 satin 320 Grit

External Specification

- 14.0900.242.12 – 42.4mm diameter, wall thickness 1.5mm, 316 Satin 320 Grit
- 14.0900.248.12 – 48.3mm diameter, wall thickness 1.5mm, 316 Satin 320 Grit
- 14.4900.041.12 – 40 x 10mm rectangular, wall thickness 1.5mm, 316 Satin 320 Grit
- 14.4900.040.12 – 40 x 40mm Square, wall thickness 1.5mm, 316 satin 320 Grit

Additional notes

All handrails have pre-made accessories including 90 degree corner, adjustable angles, in-line connectors, which are compatible with Q-railing fittings.