

Aluminium Handrail Systems

Specifications

Boardwalk's aluminium handrail system is compatible with the Boardwalk roof walkway system and is constructed using high tensile aluminium I-beam and aluminium tube (50mm & 38mm) with industry specific nylon clamps and componentry. Boardwalk handrails are geared towards eliminating hazards and are used on roof pitches up to 20°.

INDUSTRY STANDARD:

Boardwalk Handrails are designed to withstand the following non-simultaneous forces in accordance with the AS/NZS 1657-2013 standards:

- (a) A force of 600 N applied outwards at the centre of the span.
- (b) A force of 600 N applied downwards at the centre of the span.

Aluminium I-Beam Stanchions are secured to the support structure of the walkway / platform via Boardwalk Connection clamps and re-enforced with high-tensile aluminium bracing ensuring maximum strength.

MATERIAL SPECIFICATIONS:

High Tensile Aluminium I-Beam Extrusion: 6061 - T6

High Tensile Aluminium Pipe: 6061 – T6

Industry specific Nylon componentry: GV-6H

Stainless Steel Fixings: 304 Grade

Tek screws: Stainless Steel

(Materials used are non-corrosive)

DIMENSIONS & WEIGHT

Height: 1100mm High

Top rail: 50mm diameter

Mid rails: 38mm diameter

Weight: 3 kg/m installed (excl walkway)

OPTIONS:

Number of mid-rails: 1 (one) or 2 (two)

Installation: Single sided or double sided

Walkway: Levelled or unlevelled

INSTALLATION:

Max purlin spacing: 3600 mm

Stanchion spacing: 2000 mm apart

WARRANTY:

Lifetime warranty on product (terms and conditions apply).

SPECIFICATION INSERT:

Supply and install proprietary Boardwalk handrail system with mid-rails as per Boardwalk Systems specifications and installation instructions.



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CODE COMPLIANCE:

Our componentry have been specifically designed to comply with the following industry standards:

- ✓ AS 1657:2013. Standards for fixed platforms, walkways, stairways and ladders.
- ✓ AS/NZS 1170: B1: Structural design requirements with reference to performance & functionality.
- ✓ AS/NZS 1170: B2: Durability codes and standards

FIXING:

Boardwalk Systems have profile specific componentry to suit roof profiles and ensure secure fixing of access and mounting systems.

