



INTERNA-RAIL® 2 and 3-LINE RAILING SYSTEMS

PRODUCT DATA SHEET

GENERAL

The Interna-Rail® railing system is designed for various types of safety and industrial rail designs, and is used in all railing applications that must comply with IBC codes for structural strength and dimensions.

OVERALL DIMENSIONS:

Height of top rail above walking surface: 42".

Post spacing: Determined by site conditions.

Mounting: Determined by site conditions.



MATERIALS:

Posts: Aluminum 6005-T5, 1 ½" IPS (48.2 mm O.D.) Schedule 80 Wall (clear anodized)

Rails: Aluminum 6063-T6, 1 ½" IPS (48.2 mm O.D.) Schedule 40 Wall (clear anodized)

Fittings: Aluminum 6063-T6 (clear anodized)

Base Flanges: Cast Aluminum

Fasteners: Stainless Steel 304 Alloy

CODE COMPLIANCE:

U.S. International Building Code 2009/2012/2015/2018/2021 standards specific to guardrails, handrails and infill panel materials including glass.

PERFORMANCE REQUIREMENTS:

All railings shall be supplied to conform to applicable sections of the following codes:

- International Building Code | OSHA | ADAAG

STRUCTURAL PERFORMANCE:

Provide railings capable of withstanding the effects of gravity and the following loads and stresses within limits and under conditions indicated:

Top Rails of Guards:

- Uniform load of 50 lb/ft. applied in any direction.
- Concentrated load of 200 lb/lf. applied in any direction.
- Uniform and concentrated loads need not be assumed to act concurrently.

Handrails:

- Uniform load of 50 lb/ft. applied in any direction.
- Concentrated load of 200 lb/lf. applied in any direction.
- Uniform and concentrated loads need not be assumed to act concurrently.

**PRODUCT TEST REPORTS:**

Available upon request.



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