

1. Product Name

Integrated™ Top Rail Level Bracket

2. Manufacturer

Formulated Materials, LLC
3010 NW 149th St., SUITE 100
Oklahoma City, OK 73134
Tech Services : (844) 405-3676
www.formulatedmaterials.com
www.formulated.info

3. Product Description

The Integrated™ Top Rail Level Bracket is a cast 383 aluminum socket bracket contoured to the shape of the top rail profile. The bracket connects the top rail to the railing post and allows for leveling adjustments on sloped decks. Brackets are fastened to the post with four #10-16 x 3/4" (0.136" minor diameter) self-drilling countersunk head screws and to the rail with two screws of the same type. Brackets are sold in packs of 4 with covers and #10x1" Torx Head 410 stainless steel screws.

Key Features

- Cast 383 aluminum socket bracket contoured to top rail profile
- Allows for leveling adjustment on sloped decks
- Fastened with #10-16 x 3/4" self-drilling countersunk head screws (4 to post, 2 to rail)
- AAMA 2604 powder-coated finish to match system components
- Achieved 2.5x design load without failure at rail-to-bracket connection (Intertek Report P2566.01-119-19 R0)

Where to Use

- All Integrated™ Railing System installations requiring top rail-to-post connections

Product Composition

- Cast 383 aluminum with AAMA 2604 powder-coated finish

Product Limitations

- Install per current published instructions only.
- Use only with Integrated™ Integrated Railing System components.
- Do not exceed maximum leveling adjustment range.
- Limitations not to be construed as all inclusive.

Packaging

- 140 per box (bracket packs of 4 with covers and screws)



4. Technical Data

Applicable Standards

Standard	Description
2021 IBC	International Building Code®, International Code Council
2021 IRC	International Residential Code®, International Code Council
IBC Ch. 17	Structural Tests and Special Inspections

Rail brackets were tested as part of the complete guardrail assembly. Concentrated load test at ends of top rail (bracket connection) achieved 2.5x design load (1,000 lb) without failure with 92–84% recovery. See Intertek Report P2566.01-119-19 R0 for complete test results.

5. Instructions

Tools Required

- Power drill with T25 Torx bit
- 1/8" drill bit for pilot holes
- Level
- Pilot hole tool (included in post kit)
- Safety glasses and gloves

Jobsite Conditions

- Posts must be installed and plumb before bracket installation.
- Verify bracket orientation before securing.

Surface Prep

Confirm posts are installed, plumb, and secured. Mark each post for the top bracket height position. Drill pilot holes at marked locations using a 1/8" drill bit.

Installation of Product

1. Mark the top bracket height position on each post.
2. Drill pilot holes at marked locations using a 1/8" drill bit.
3. Align the top rail level bracket with the pre-drilled pilot holes on the post.
4. Fasten the bracket to the post using the provided #10-16 x 3/4" self-drilling countersunk head screws (four screws per bracket).
5. Do not fully tighten the first screw. Leave slightly loose to allow adjustment when installing the second screw. After both screws are in place, tighten all screws fully.
6. Ensure all brackets are tightly secured before proceeding to rail panel installation.
7. After the top rail is installed and secured to the bracket with two screws through the pre-routed holes, snap the bracket cover over the bracket to conceal hardware.

Storage & Protection

- Store in original packaging until ready for use.
- Keep in a dry area to prevent corrosion of fasteners.

Health Precautions

- Follow all local safety regulations, including OSHA Section V: Chapter 4 for Fall Protection in Construction.
- Always wear safety glasses when cutting, drilling, and assembling the product. Use hearing protection when operating power saws.
- Always review the full label and Safety Data Sheet (SDS) for detailed precautionary instructions before use.

Conformance to Building Codes

Installation must comply with all applicable local, state, and federal codes, regulations, and industry standards. The installer is solely responsible for ensuring compliance with all local building codes and safety requirements, and for obtaining all required building permits.

6. Availability

Item	Description	Size	Qty/Unit	Per Pallet
10604	Top Rail Level Bracket (pack of 4)	1.75" x 2.75"	140/box	7,000

7. Product Warranty

For details and complete warranty information, visit www.formulatedmaterials.com.

8. Product Maintenance

Properly installed products do not require ongoing maintenance. For coastal installations (within one mile of saltwater coastline), clean railing surfaces quarterly with mild soap and water to maintain finish warranty coverage. Refer to the Integrated™ Railing System Limited Warranty for complete care and maintenance requirements.

9. Technical Services Information

For Technical Services, contact Formulated Materials at (844) 405-3676.

10. Filing System

Additional product information is available from Formulated Materials upon request.



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