

1. Product Name

Integrated™ Bottom 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™ Bottom Rail Level Bracket is a cast 383 aluminum socket bracket contoured to the shape of the bottom rail profile. The bracket connects the bottom 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" self-drilling countersunk head screws and to the rail with two screws of the same type.

Key Features

- Cast 383 aluminum socket bracket contoured to bottom 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
- Snap-on bracket covers for concealed hardware appearance
- 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 bottom 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™ Railing System components.
- Do not exceed maximum leveling adjustment range.
- Bottom rail height above deck surface must meet applicable building code.
- 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
- 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 and height before securing.

Surface Prep

Confirm posts are installed, plumb, and secured. Mark bottom bracket height position. Drill pilot holes using 1/8" bit. Verify proper bottom rail height per code.

Installation of Product

1. Mark the bottom bracket height position on each post.
2. Drill pilot holes at marked locations using a 1/8" drill bit.
3. Align the bottom rail level bracket with the pre-drilled pilot holes.
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 for adjustment. 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 bottom rail is installed and secured to the bracket with two screws, snap the bracket cover over the bracket.

Storage & Protection

- Store in original packaging until ready for use.
- Keep in a dry area.

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
10607	Bottom 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.



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

www.formulatedmaterials.com

www.formulated.info