



Open Web Joist Rooftop Anchor

Specification and Data Sheet

Product Name: Open Web Joist Anchor Models: RJ121000/RJ121200/RJ151000/RJ151200/RJ181000/RJ181200. Note: Open Web Joist anchor model numbers correspond to structural section height, plate size, and bolt length. The model that is called RJ121000 has a 12" structural section height, 8" x 10" plate width. Bolt length and HSS bracing will differ according to each project, and will be considered "custom."

Manufacturer: Rooftop Anchor, Inc. 2700 South 900 West Suite 200, Salt Lake City, Utah 84119, Phone (800) 411-3914, Fax (801) 839-2929.

Product Description: Stainless steel U-bar welded to upright hollow structural section which is filled with polyurethane foam. All metal is hot-dip galvanized after fabrication or covered with LINE-X[®] Protective Coatings. Upright hollow structural section is welded to base plate; four threaded hot dip galvanized steel bolts connect the base plate to the bottom plate; secured by hot dip galvanized steel hex nuts with hot dip galvanized steel flat and lock washers, and braced to adjacent joist(s) with HSS.

Composition and Material: The open web joist rooftop anchor consists of five major components: (1) Cap is ¼" ASTM-A36, structural quality carbon steel plate. (2) Base plate & Bottom plate is 5/8" ASTM-A36, structural quality carbon steel. (3) Upright hollow structural section is 3 1/2" - 4 ½" Schedule 40 carbon steel, ASTM-A500 Grade B. Final product will be hot-dip galvanized or covered with LINE-X Protective Coatings. (4) Loop is ¾" 304 stainless round bar, ASTM-A182-01. (5) Tube 2 x 4: Material is 2" x 4" x 3/16 Carbon Steel, ASTM A500-GRADE B.

Product Performance: Used on all rooftops, balconies, and terraces as a tie back for suspended equipment and/or personal lifeline.

Load Weight Capacity: Anchors and structures will be reviewed and approved to withstand an ultimate load of 5000 lbs (22.2 kN) against fracture or detachment, but may yield in the event of a fall arrest situation or overloading.

Standards & Regulations: Rooftop Anchor's product conforms to all U.S. standards, labor/safety codes and material regulations relating to anchor fabrication, window cleaning and other suspended maintenance operations. Agencies include ASME, ANSI, IWCA, OSHA, CAL, AISC, AWS, etc.

Maintenance: All anchors do not require maintenance; however an annual visual inspection by Rooftop Anchor, Inc. is required and must be recorded in the Rooftop Anchor log book. (OSHA STANDARD 1910.66(g) (1, 2, 3)) Ten year re-certification is also required for all anchors, with the exception of epoxy adhesive anchors, which require re-certification every five years.

Warranty Terms: System will be under warranty to operate properly for up to twenty five years following installation, and rooftop anchor's preliminary testing and certification, also providing annual inspections are performed by Rooftop Anchor authorized personnel, using only Rooftop Anchor specified materials. The warranty is in continuum as long as annual inspections are done by Rooftop Anchor personnel or a certified representative. Rooftop Anchor warranty card is available upon request.

Technical Services: Please call Rooftop Anchor, Inc.: (800) 411-3914; or visit www.RooftopAnchor.com for technical information, graphics, CAD drawing downloads, or installation services. Rooftop Anchor highly recommends installation and inspection services performed by a certified Rooftop Anchor technician.