

# U-ANCHOR™ U3400

## For Mechanically Fastened Systems

**DESCRIPTION:**

The U-Anchor™ U3400 is a double-bolt attachment designed for multi-use rooftop systems with all Duro-Last®, Inc. membranes. Each bolt is secured to a 3000 series plate and factory-welded to a rectangular membrane skirt. The double-bolts allow for more stability under load and versatility of bolt locations.

The plate can be mechanically fastened to the deck/parapet with fasteners approved by a project engineer and the membrane skirt is welded to the deck/parapet membrane with a continuous 1-1/2 inch weld for waterproofing.

**TYPICAL USES:**

- Communication equipment
- Conduit support
- Pipe support

**PRODUCT SPECIFICATIONS:**Bolts

- 3/8" – 16 x 1.5"  
(Diameter) – (Thread Count) x (Bolt Length)
- Material Type: 304 stainless steel

Plate

- Dimensions: 11.08" x 5.47"
- Fastener Hole Diameter: 0.265" (12 holes)
- Material Thickness: 0.047"
- Material Type: galvanized steel G90

Membrane Skirt

- Dimensions: 17.5" x 11.75"
- Type: 50 mil Duro-Last\* \*\*
- Color: white\*

\* Custom options may be available for an additional charge. Lead times may vary.

\*\* Do not use Duro-Last EV membrane with any other membrane type.

**ORDERING:**

U3400 can be ordered individually.

- Product as listed above (Item #1242-261)\*\*\*
  - Weight: 1.4 lb.

\*\*\* Refer to Product Specifications for custom options.

**STORAGE AND HANDLING:**

- Store product out of direct sunlight on elevated pallets.
- Always store in a dry location protected from the elements.

**PRECAUTIONS:**

- Wear proper personal protective equipment, such as gloves and eye protection.

**INSTALLATION:**

1. U3400 Attachment
  - a. Fastener selection and quantity are dictated by the system assembly, attachment requirements, deck/parapet type, and the project engineer.
  - b. Utilizing the holes provided, mechanically fasten the plate with the specified type and quantity of fasteners to the deck/parapet or structure.
  - c. Hot-air weld the membrane skirt to the deck/parapet membrane with a continuous 1-1/2 inch weld.

## 2. Equipment Attachment

- a. To securely mount rooftop equipment to the U3400, after it is installed, the connection nut must be fastened to approximately 20 – 25 ft/lb. Use a calibrated torque wrench during installation to ensure appropriate results are achieved.

PLATE LOAD RATING <sup>1</sup>		
<b>Ultimate Load</b>	<b>– Sheer X</b>	9,597 lb.
	<b>– Sheer Y</b>	9,638 lb.
<b>Ultimate Load – Tension</b>		4,997 lb.

Tested in accordance with ICC-ES AC408 Section 3.2

<sup>1</sup> Results are based on performance of the bolt and plate assembly only.

### DISCLAIMER:

Performance of all U-Anchor products is dependent on the number of fasteners used, fastener capacity, fastener pull out value, and physical properties of all roof assembly components present under the U-Anchor plate.

The installing contractor is solely responsible for installation conditions and load capacities of U-Anchor assemblies. Duro-Last Quality Assurance Technical Representatives will inspect for water-tightness of the Duro-Last Roofing System only.