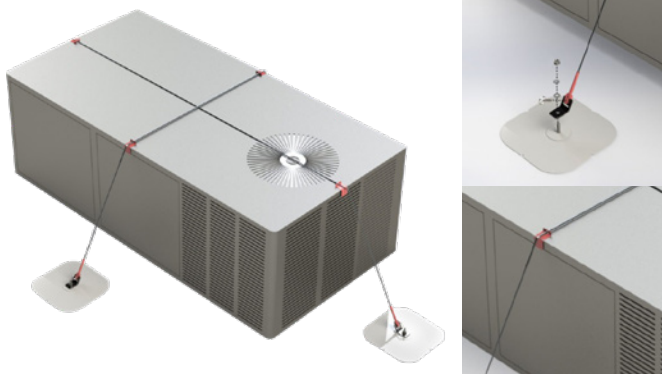


Anchor Products® U-Anchor® Accessories

Overview

Carlisle SynTec Systems has partnered with Anchor Products to offer select accessories to be used with U2400 and U3400 anchors. The accessory tie down kits provide positive securement for a wide range of rooftop equipment including HVAC units, ductwork, vent and exhaust stacks, antennas, flagpoles, and more. Sustained wind events of 50 – 60 mph are common across much of North America, and even at those levels, unsecured rooftop equipment can be dislodged. U-Anchors and tie down kits have been proven to perform in the harshest environments, including high-wind conditions and seismic events.

2018 and newer editions of the International Building Code reference ASCE 7-16, which requires all rooftop equipment to be bolted, welded, or otherwise positively fastened — without relying on frictional resistance. This means that securely tying rooftop accessories into the roof structure isn't just best practice for safety, it's also a code requirement in jurisdictions that have adopted the 2018 IBC and beyond.



HVAC Tie Down Kit



Guy Wire Tie Down Kit

Packaging

	HVAC Tie Down Kit	Guy Wire Tie Down Kit
Minimum Purchase Quantity	1 box = 10 kits	1 box = 10 kits
Weight per Kit	2 lbs	1.4 lbs
Box Quantity	10 kits	10 kits
Box Weight	20.6 lbs	14 lbs
Box Dimensions	10" x 10" x 5"	10" x 10" x 5"
Boxes per Pallet	72	72

Typical Properties and Characteristics

Physical Property	HVAC Tie Down Kit	Guy Wire Tie Down Kit
Wire Cable Material	3/16", stainless steel, 7 x 19 aircraft cable	3/16", stainless steel, 7 x 19 aircraft cable
Wire Cable Length	12'	10'
Wire Cable Breaking Strength	3,700 lbs	3,700 lbs

Typical properties and characteristics are based on samples tested and not guaranteed for all samples of this product. This data and information is intended as a guide and does not reflect the specification range for any particular property of these products.

Green Building Information

Pre-Consumer Recycled Content	0%
Post-Consumer Recycled Content	0%
Solar Reflectance Index (SRI)	N/A
Global Warming Potential (GWP)	N/A
Volatile Organic Compounds (VOC) Content	N/A
Manufacturing Location(s)	Haltom City, TX
Corporate Sustainability Report (CSR) Availability	Yes
Environmental Product Declaration (EPD) Availability	No

Anchor Products U-Anchor Accessories

HVAC Tie Down Kit



Overview

Anchor Products HVAC Tie Down Kit provides reliable securement for rooftop HVAC units, keeping them firmly attached to the structure and preventing displacement from wind or seismic forces. The system can be used for both new installations and retrofit applications by attaching to two U2400 anchor points (sold separately). Each kit includes everything needed to create one strap for an HVAC unit, including:

- » One 12 ft, $\frac{3}{16}$ " aircraft grade stainless steel wire cable (other wire cable options available upon request)
- » Two $\frac{3}{8}$ " brackets which get attached to U-Anchor anchor points
- » One turnbuckle attached to wire cable for adjustment
- » Two corner protectors (to protect HVAC unit)
- » One wire cable thimble
- » Two cable clamps
- » Two $\frac{3}{8}$ " flange nuts
- » Two $\frac{3}{8}$ " flat washers

Features and Benefits

- » Can be used for both new and retrofit applications
- » Can be used with all HVAC units
- » Increased wind safety: $\frac{3}{16}$ wire cable has a breaking strength of $\approx 3,700$ lbs
- » All exposed components and hardware are stainless steel, aluminum, or other non-corrosive materials
- » Quick and easy to install
- » Can help achieve code compliance, warranty compliance, and increased safety

- » FM 4481 compliant
- » Made in the USA

Installation

1. **Install U-Anchors:** Installation begins by installing at least two U2400 Anchors (sold separately). Position them centered on the side or end of the HVAC unit, approximately 18" from the base, ensuring compliance with the engineered design. Refer to the applicable Carlisle U-Anchor Installation Guide for detailed anchor installation instructions.
2. **Secure the $\frac{3}{8}$ " Bracket with Cable:** Loosely secure the $\frac{3}{8}$ " bracket with the attached cable onto the $\frac{3}{8}$ " bolt on a U2400 Anchor using the supplied $\frac{3}{8}$ " washer and $\frac{3}{8}$ " flange nut, aligning with the center bracket hole. Then extend the turnbuckle to allow for proper tensioning later.
3. **Attach the Second Bracket:** Loosely secure the remaining $\frac{3}{8}$ " bracket to the opposite U2400 Anchor using the supplied washer and nut, through the center hole of the bracket.
4. **Apply Corner Protectors:** Align the supplied HVAC corner protectors in line with the two opposing U-Anchors on both sides of the equipment. Manually shape the protectors to follow the contour of the equipment's corner. Remove the adhesive backer and adhere the corner protector bracket into position.
5. **Thread the Wire Cable:** Stretch the wire cable over the unit, inserting it through the eyelet on the first and second corner protector bracket.
6. **Secure Wire Through Eyelet and Thimble:** Insert thimble to $\frac{3}{8}$ " bracket eyelet on $\frac{3}{8}$ " bracket. Thread the cable through the eyelet and thimble. Loop wire cable back on itself and remove slack by pulling it hand tight.
7. **Tighten the First Wire Cable Clamp:** With the cable tight, secure the first wire cable clamp as close to the $\frac{3}{8}$ " bracket as possible. Wire cable clamps should be installed with the "nut side" on the live end and the U-bar on the dead or cut end.
8. **Install the Second Wire Cable Clamp:** Repeat step 7, securing the second wire cable clamp. If the wire cable is $\frac{3}{16}$ " (the standard cable that comes with the HVAC Tie Down Kit), the second wire cable clamp should be positioned 3 $\frac{3}{4}$ " above the first cable clamp that was installed. Note: If the HVAC Tie Down Kit was special ordered with thicker, $\frac{5}{16}$ " wire cable, the second wire cable clamp should be positioned 6 $\frac{1}{2}$ " above the first clamp.
9. **Final Fastening & Adjustment:** Using a calibrated torque wrench, tighten the nuts securing the $\frac{3}{8}$ " brackets to the U-Anchors to 20 – 25 ft-lbs. Next, adjust the turnbuckle to the desired tension, then lock it in place by tightening the securing nuts on both ends.

For more detailed installation instructions, please refer to Carlisle's Anchor Products HVAC Tie Down Kit Installation Guide.

Anchor Products U-Anchor Accessories

Guy Wire Tie Down Kit



Overview

Anchor Products Guy Wire Tie Down Kit provides reliable securement for rooftop accessories such as ducting, vent and exhaust stacks, H-frames, antennas, flagpoles, and anything else you wish to secure, keeping them firmly in place and preventing damage from wind uplift or displacement. The system can be used on new installations or retrofitted to existing projects by incorporating U2400 anchor points (sold separately), which create a solid attachment and safely transfer loads to the building structure. Each kit includes everything needed to create one complete guy wire strap, including:

- » One 10 ft, $\frac{3}{16}$ " aircraft grade stainless steel wire cable (other wire cable options available upon request)
- » One $\frac{3}{32}$ " bracket which gets attached to a U2400 anchor point
- » One turnbuckle attached to wire cable for adjustment
- » One wire cable thimble
- » Two cable clamps
- » One $\frac{3}{8}$ " flange nuts
- » One $\frac{3}{8}$ " flat washers

Features and Benefits

- » Can be used for both new and retrofit applications
- » Can be used for numerous rooftop accessories where additional securement is desired
- » Increased wind safety: $\frac{3}{16}$ wire cable has a breaking strength of $\approx 3,700$ lbs
- » All exposed components and hardware are stainless steel, aluminum, or other non-corrosive materials
- » Quick and easy to install

- » Cable comes standard in 10' length, however custom lengths are available up to 100' and can be quoted upon request
- » Can help achieve code compliance, warranty compliance, and increased safety
- » FM 4481 compliant
- » Made in the USA

Installation

1. **Install U-Anchor(s):** Start by installing a U2400 Anchor (sold separately) to serve as the anchoring point for the Guy Wire Tie-Down Kit. Follow the applicable Carlisle Anchor Products U-Anchor Installation Guide, and verify that the U-Anchors are positioned in the correct locations.
2. **Secure the $\frac{3}{32}$ " Bracket with Cable:** Loosely secure the $\frac{3}{32}$ " bracket with the attached cable onto the $\frac{3}{8}$ " bolt on a U2400 Anchor using the supplied $\frac{3}{8}$ "w washer and $\frac{3}{8}$ " flange nut, aligning with the center bracket hole. Then extend the turnbuckle to allow for proper tensioning later.
3. **Attach Wire Cable to Equipment and Secure:** Secure the open end of the wire cable to the equipment as previously determined. Use the supplied thimble or another protective device if needed to prevent damage at the connection point. Loop the wire cable back on itself, remove slack by pulling it hand tight, and then secure the loose end to the live end using the supplied cable clamps. Install the clamps with the "nut side" on the live end and the U-bar on the dead or cut end of the cable. Position the clamps approximately 2 – 3 inches apart, and tighten them evenly by alternating between nuts. Final torque on the clamp nuts should be 7.5 ft-lbs.
4. **Final Fastening & Adjustment:** Using a calibrated torque wrench, tighten the nuts securing the $\frac{3}{32}$ " bracket to the U-Anchor to 20 – 25 ft-lbs. Next, adjust the turnbuckle to the desired tension, then lock it in place by tightening the securing nuts on both ends.

For more detailed installation instructions, please refer to Carlisle's Anchor Products Guy Wire Tie Down Kit Installation Guide.

Precautions

- » Both the HVAC Tie Down Kit and the Guy Wire Tie Down Kit require U-Anchors to provide the anchoring point for the kits to transfer loads into the building structure.
- » U-Anchors must be installed through the roof assembly and fastened into the structural decking.
- » The type and quantity of fasteners must be determined by the design professional for the specific application.