

# KnuckleHead

## KnuckleHead Hold-Down Attachment System for Rooftop Support of Mechanical Equipment and Guy Wires

Installed hold-down with stanchion  
rated at 500-pound tensile strength  
and 300 lb. + moment

Base is bonded to roof membrane with  
Green Link 300 Adhesive

Standard patch is PVC—TPO,  
Elvaloy and Mod Bit patches  
are also available

Functions as a penetration seal  
with 3 levels of protection—  
resists rain, snow, hail, and  
ponding water

Openings in the base center allow for penetration to  
roof deck with standard roofing screws

KnuckleHead Stanchions feature a  
threaded, over-molded urethane  
coupling that attaches to the center  
bolt of the KnuckleHead

KnuckleHead Base is molded from  
military-grade, UV-resistant, glass-reinforced  
nylon resin exhibiting metal-like properties

3/8-inch center bolt accepts Green  
Link Stanchions or guy wires

The KnuckleHead is bonded to the patch  
with Green Link 300 Adhesive

**GREEN LINK**  
ENGINEERING SUSTAINABILITY



Made in U.S.A.

888.672.9897 | [www.greenlinkengineering.com](http://www.greenlinkengineering.com)  
5519 East Cork Street, Kalamazoo, MI 49048 USA

Original design, engineered from the ground up with the  
contractor in mind, featuring innovative Green Link  
technology. All made in the U.S.A.

**Contractor Driven!**

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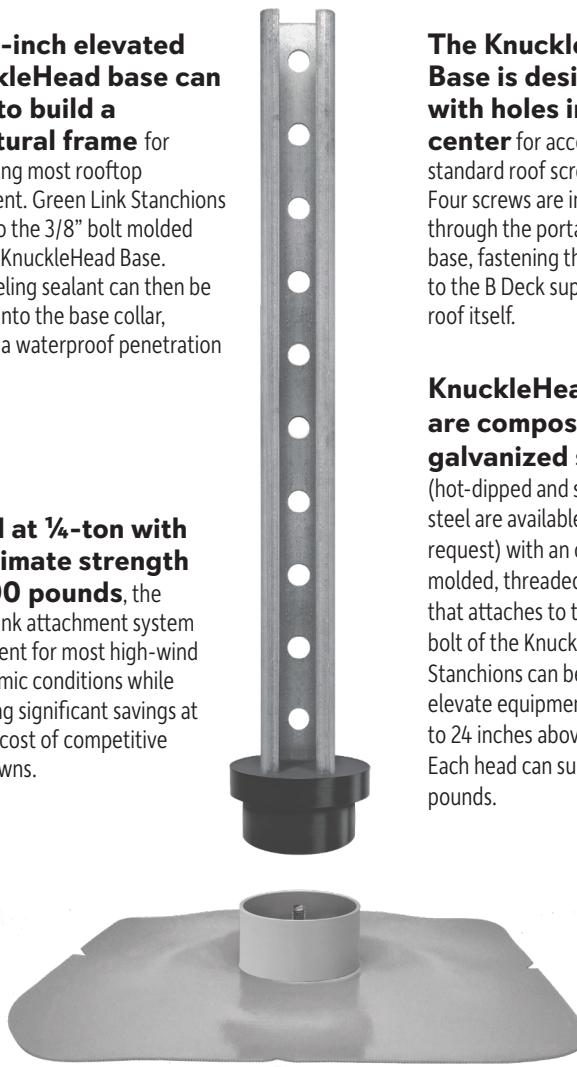
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### FEATURES

**1/4-ton rated, triple sealed, half the cost—another advanced Green Link product!**

**The 2-inch elevated KnuckleHead base can used to build a structural frame** for supporting most rooftop equipment. Green Link Stanchions attach to the 3/8" bolt molded into the KnuckleHead Base. Self-leveling sealant can then be applied into the base collar, forming a waterproof penetration seal.



**Rated at 1/4-ton with an ultimate strength of 1100 pounds**, the Green Link attachment system is sufficient for most high-wind and seismic conditions while delivering significant savings at half the cost of competitive hold-downs.

**The Knucklehead Base is designed with holes in its center** for accepting standard roof screws. Four screws are installed through the portals in the base, fastening the system to the B Deck supporting the roof itself.



**KnuckleHead Stanchions are composed of slotted, galvanized steel** (hot-dipped and stainless steel are available on request) with an over-molded, threaded coupling that attaches to the center bolt of the KnuckleHead. Stanchions can be used to elevate equipment from 6 inches to 24 inches above the mounting surface. Each head can support up to 600 pounds.



**The system provides three layers of protection against leaks:** Adhesive is applied to the base for bonding to the roof membrane and to the collar interior following attachment. The heat-sealed patch provides the third layer of protection.



**Green Link 300 Adhesive is a non-shrinking polyether adhesive**

that cures upon contact with moisture. It cures to an elastomeric solid which is impervious to extreme weather or temperature changes. The adhesive is environmentally safe and presents no toxic risk to contractors or building occupants. It is solvent-free, isocyanate free, non-flammable and odorless.

**KnuckleHead installations have been performing in the field for more than 20 years.** They are molded from military-grade reinforced nylon, which does not degrade upon exposure to UV radiation, extreme temperature swings, or violent weather.

### Warranty

A 10-year warranty is available. Please contact Green Link for details.

All components made in the U.S.A.

Mounted system including stanchion — patent pending.

## INSTALLATION

**The Knucklehead Hold-Down Attachment System comes as a single, ready-to-install unit.**

When using the system to install Green Link StrutFrames using Stanchions, mark the proper positions on the roof membrane. Then apply Green Link 300 Adhesive to the KnuckleHead Base and place it at the marked locations on the membrane. Drive roof screws through the holes inside the KnuckleHead collar to the roof deck. Once the heads are secured, self-leveling sealant can be applied to screw heads to prevent leaks. The patch can be heat-sealed to the roof membrane, and the threaded stanchions secured to the KnuckleHead bolt. When attaching cable guide eye nuts, follow the same attachment procedure, but fill the entire KnuckleHead cavity with self-leveling adhesive once the eye nuts are secured in place.