

# KnuckleHead

## Low Profile Support System for Mechanical Equipment

Each kit includes four Strut KnuckleHeads, four support rails, two equipment rails and the necessary hardware for assembly.

### EASY TO INSTALL

Each kit takes less than 15 minutes to assemble out of the box

Add-ons available for electrical box mounting

Assembly can accommodate all mechanical equipment whether roof- or ground-mounted

**ADJUSTABLE**  
Equipment rails slide horizontally to fit width of mounted equipment

### ELEVATION

5 inches above the roof or ground surface

Supports up to 850 pounds per assembled unit

Equipment can be leveled by rotating the KnuckleHead

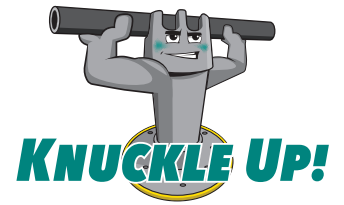
Green Link Adhesive/Sealant can be used to further secure the installation

**ATTACHABLE**  
Universal base features 4 holes for mechanical fastening

**GREEN LINK**  
ECO-ENGINEERING

269.216.9229 | 888.672.9897 | [www.greenlinkengineering.com](http://www.greenlinkengineering.com)  
5519 East Cork Street, Kalamazoo, MI 49048 USA

# KnuckleHead



## Low Profile Frame Support Assembly for HVAC Equipment

GreenLink's low-profile assembly is engineered to support virtually every type of mechanical equipment when it is designed to be close to the roof surface. AC units, mini splits, transformers, condensers, heat pumps and related pipelines are typical of mounted equipment. The system rests on Strut KnuckleHead Supports, which can be free-standing or attached.

## Strut KnuckleHeads

Strut KnuckleHeads are composed of military-grade reinforced Nylon, which is strong, durable and weatherproof. Each is capable of supporting 600 pounds and features four holes in the center for fastening the base to the roof. The height of the base can be adjusted within an approximate 1" range by rotating the head.

## FEATURES

### Installation

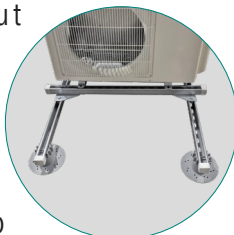
The universal KnuckleHead base can be free-standing or attached. Attachment involves driving screws through the four holes in the base center directly into the roof deck. This secures the installation in environments that undergo very high winds or seismic events. Applying GreenLink Adhesive/Sealant to the KnuckleHead base further strengthens the installation.

### Free-standing

When the universal base is free-standing, KnucklePads should be placed on the bases to minimize movement from equipment vibration. Typically, ground installations are free standing on a concrete slab. Applying GreenLink Adhesive/Sealant is optional for securing ground installations.

### Out-of-the-Box Assembly

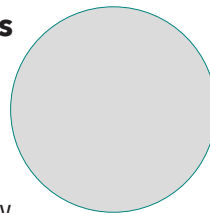
Once the Strut KnuckleHeads are positioned on the roof or ground surface, support rails can be inserted into



the heads and bolted into place. This creates a secure unified base frame. Equipment rails are then positioned along the support rails, slide into the desired position and are secured with bolts.

### Electrical Boxes

Because of the support assembly's sturdy design, electrical boxes can be mounted directly onto the frame using sections of strut bolted into place.



### Custom Kits

The standard kit is 3' by 4', but GreenLink can provide custom sizes. Supports can be cut to any length and width to build banks of any dimension.

### Leveling

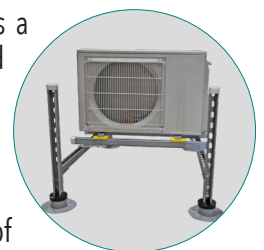
Because HVAC equipment must be perfectly level to perform optimally, Strut KnuckleHeads can be rotated to adjust height.

GreenLink Adhesive/Sealant is an environmentally proprietary

formulation engineered to adhere to the KnuckleHead base as well as to most roof membranes including PVC, EPDM, acrylic and primed TPO. The adhesive can be used to strengthen attached systems, or by itself without mechanical fasteners.

### Elevated Support Assembly

GreenLink offers a separate elevated mechanical support kit for equipment to be mounted up to 24" off the roof surface. This support



system relies on stanchions that rotate into the strut KnuckleHead, providing the basic structure for adding support rails and equipment rails. This system is also available in kit form and can be customized to order.