



KnuckleHead

Rooftop Heavy Pipe Support System

KnucklePads protect roof membrane and reduce movement resulting from equipment vibration and wind

Tough polyurethane KnuckleStraps keep pipes secure where high winds or seismic events occur

Supports up to 3" outside diameter pipes

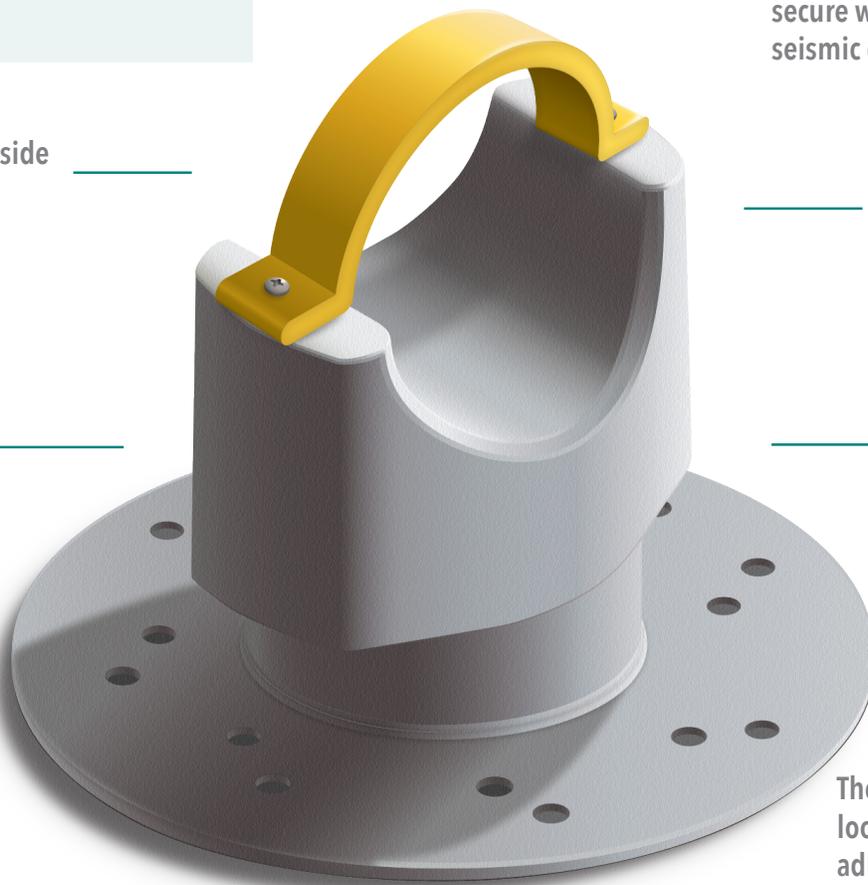
Strong, tough, weatherproof, UV stable, impervious to freeze-thaw cycles

Each KnuckleHead is able to support up to 600 lbs.

Height is adjustable by rotating head—total height ranges from 2" to 3"

Matte-finish nylon allows bonding with adhesive

The Universal Base can be loose laid or attached using adhesive and/or screws* to meet seismic and wind uplift conditions



Molded from GREEN LINK glass-reinforced nylon resin, which has metal-like properties

*When using screws, Duro-Last® stack flashings must also be used



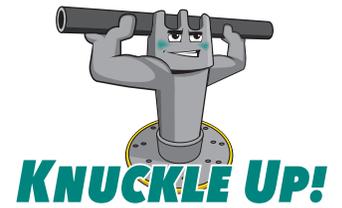
800.248.0280 | www.duro-last.com
525 Morley Drive, Saginaw, MI 48601





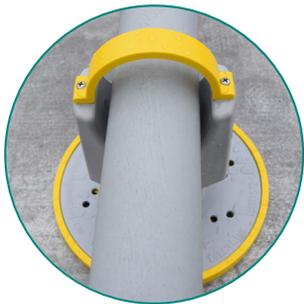
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KnuckleHead Heavy Pipe Supports are designed for a wide variety of roof support applications including natural gas and water pipelines, and other types of pipes up to 3" outside diameter. Each KnuckleHead can support up to 600 lbs. Units can be spaced to evenly distribute the load of the heaviest equipment. KnuckleHead extensions are available for raising roof-mounted pipes and equipment to higher elevations up to 18". Heavy Pipe supports are lightweight, so they add little to total roof load, preventing low points and depressions that invite ponding water and ice build-up.

Important points about The KnuckleHead Support System



KnuckleHeads can help prevent damage to the membrane caused by ponding water, wind, ice, flying debris or seismic events and protect the integrity of roof-mounted structures and equipment. GREEN LINK can custom cut metal strut, or design and manufacture special support elements such as a custom-molded base pad for a corrugated metal roof.

They are engineered with a Universal Base that can accommodate a range of head designs depending on the particular support application needed.

KnuckleHeads can be loose laid or attached directly to the roof either mechanically and/or with *Duro-Caulk® Advanced Sealant*.

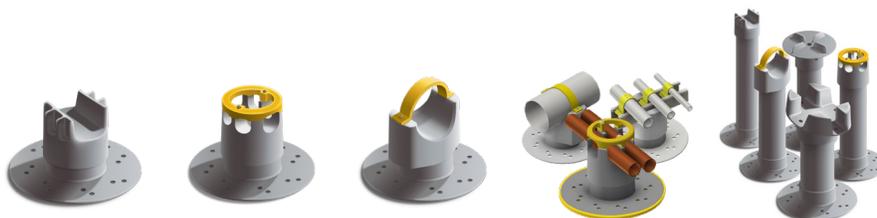
The Universal Base is designed with two holes at its center for accepting mechanical fasteners. Before penetrating the roof membrane, the contractor should consult with the manufacturer to ensure that the warranty is not voided.

Securing the Installation: The KnuckleHead Heavy Pipe Support comes with a custom-engineered KnuckleStrap. Molded from tough, weatherproof urethane and tinted safety yellow, the strap is screwed onto the head to ensure the pipe is secure even in harsh conditions such as high winds and seismic events. An optional slip-resistant KnucklePad can be added to the base to reduce movement and protect the roof membrane.

Duro-Caulk® Advanced Sealant can be used by itself to form a bond of up to 275 psi shear strength. This prevents movement of the supports caused by equipment vibration, high winds or seismic events.

KnuckleHead installations have been performing in the field for more than 15 years with continual exposure to high temperatures, freeze-thaw cycles, UV exposure and stress, and they have shown no signs of deterioration.

A 10-year warranty is available. Please contact GREEN LINK for details.



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