



JOIST SADDLE

August 2023

EXPAND YOUR DECKING POSSIBILITIES

JOIST SADDLE FOR USE WITH JOIST & PLANK SYSTEMS

Bison's Joist Saddle allows for joist-and-plank installations over Bison Versadjust, Level.It, or ScrewJack Pedestals, including Fixed Height Pedestals. As with other Bison products, assembly and installation are simple and fast.

System benefits include:

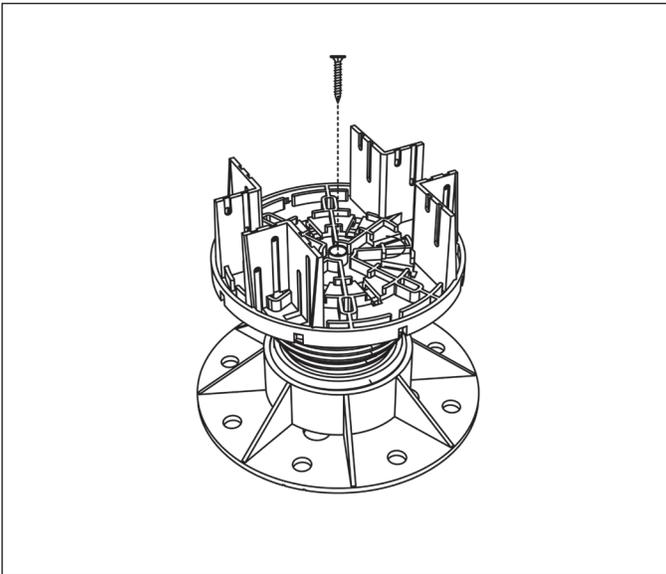
- Lower installation costs with fast two-step assembly.
- Increased system lifespan with elevated substructure.
- Improved air circulation and drainage.
- Protection for roofing and waterproofing membranes.
- Wide variety of decking material options.



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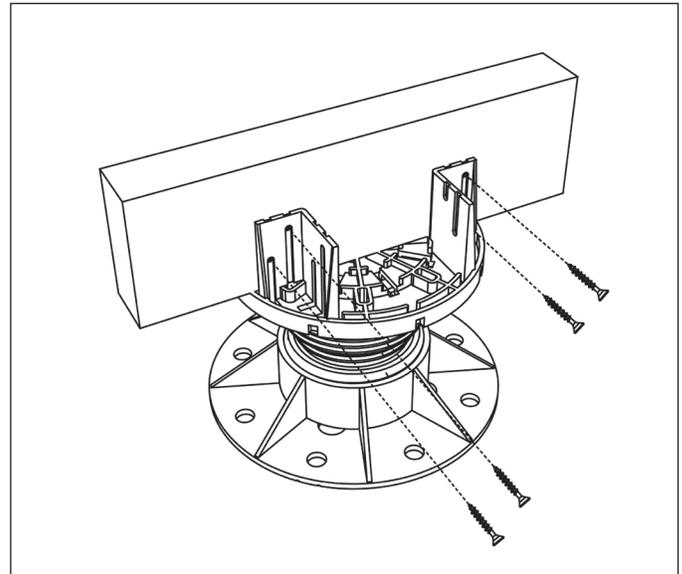
SPECIFICATIONS & INSTALLATION

- Pedestal accessory to construct joist and plank decks.
- Works alone or on any Bison Pedestal, including Fixed Height Pedestals.
- Adds 1/2" (13 mm) in height, creating a base bearing surface for joist installation.
- Accommodates either 2x, double 2x, or 4x lumber at 90° angles.
- Rigid wall design resistant to joist rotation per IRC section R507.6.2.
- Contains 20% post-industrial recycled material.
- Made in the U.S.A.



1. Place the Joist Saddle alone or on top of any Bison Pedestal. When placed on adjustable pedestals, use the provided screw to fasten the Joist Saddle to the pedestal top. Joist Saddles may be fastened to fixed height pedestals 1/2" or taller with 1" length wood screws.

IMPORTANT: Do not over-tighten the screw when attaching the Joist Saddle to a pedestal.



2. The Joist Saddle is designed to support 2x joists in one direction and 4x (or double 2x) joists in the other direction. Place a joist or beam between the Joist Saddle walls and fasten with #8 x 1" wood screws (NOT provided) on each side. #10 screws are also acceptable. Joists may be coupled or joined in both directions over the Joist Saddle.

When using the Bison Joist Saddle to support timber framed decks, the structural design of the framing must be in accordance with the applicable building codes and accepted engineering practices for the site-specific conditions.

Considerations include, but are not limited to:

1. Pedestal weight bearing capacity (axial load).
2. Point loading of pedestals.
3. Deck perimeter containment and stability.
4. Capacity of the supporting structure or soil beneath the pedestal system.
5. Anticipated loading conditions (live and static loads).
6. Proper joist/beam material, size, and span.