Understanding Versadjust Installation Details

The Versadjust, adjustable V-Series, Pedestal line reaches heights from 2 ¼” to 36” (57.15 to 914.4 mm), has a 1250 lbf F5:3 weight bearing capacity, and contains built in base levelers to compensate for 0” to 1/2” per foot slope (0-4%). Precise spacer tabs maintain uniform paver spacing and allow for deck drainage, and the screw-to-adjust height setting assures a perfectly level deck. The Bison Versadjust Pedestal has a broad footprint that provides stability, is impervious to freeze thaw cycles, and offers a range of heights suited to almost any application. Made in the USA.

The Versadjust Quick Clip Coupler © (patent pending) increases speed and efficiency installing pedestals at heights over 9” (228.6 mm). Accessories are available to compensate for additional slope (up to 1” per foot or 8%) and for low height applications from 1/8” to 2 ¼” (3.175 to 57.15 mm).

Use the Bison Brace System with Versadjust Pedestals for extended cavity height installations from 24” to 36” (609.6 to 914.4 mm) or for installations where additional stability is deemed necessary.

VT Spacer Tab
(Specify tab width when ordering)
VT316 - 3/16” (4.5 mm) standard
VT18 - 1/8” (3.175 mm) optional
Place spacer tab on top of pedestal.
To remove tabs, strike spacer tabs with hammer on edge.

V-Series Top
Comes screwed into V-Series Base. Unscrew top until thread engagement indicators are felt and heard. DO NOT extend beyond this point except to add a VC2 Quick Clip Coupler to a V4 Pedestal.

VT316 - 3/16” (4.5 mm) standard
VT18 - 1/8” (3.175 mm) optional
Place spacer tab on top of pedestal.
To remove tabs, strike spacer tabs with hammer on edge.

VC2 Quick Clip Coupler (Works with Model V4 only)
To Assemble:
Align lines on coupler and base.
Align tab with quick clip slot.
Slide together until tab locks into place.

To Separate:
Hook VC2 Quick Clip Coupler Release Tool into slots on the side of the pedestal base or coupler, detach tool, and pull apart.

V-Series Base
Comes screwed into V-Series Top. Unscrew top until thread engagement indicators are felt and heard. DO NOT extend beyond indicators except to add an VC2 Quick Clip Coupler to a V4 Pedestal.

VB Base Leveler
Built-in base provides 0” - 1/2” per foot slope compensation (0-4%).

Built In Slope Base Compensation

Each V-Series Pedestal comes with a VB Base Leveler that compensates for up to 1/2” per foot slope (4%).

Slope Adjustment:
Point both finger tabs downhill for 1/2” per foot slope (4%).
Rotate base pieces for precise slope compensation.

To Create a Flat Base:
Position finger tabs opposite one another.

To remove VB Base Leveler, slide pedestal base out of VB Base Leveler.

For additional slope compensation, a maximum of 2 additional LD4 Base Levelers can be used with the V-Series Pedestals adding an additional 1/2” per foot slope (4%) for a total of 1 inch per foot slope (8%). Each LD4 adds 1/4” (6.35 mm) to the overall height of the pedestal.
### Acronym and Definition Table

<table>
<thead>
<tr>
<th>Acronym</th>
<th>Definition</th>
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</thead>
<tbody>
<tr>
<td>LP</td>
<td>Low Point</td>
</tr>
<tr>
<td>HP</td>
<td>High Point</td>
</tr>
<tr>
<td>RD</td>
<td>Roof Drain</td>
</tr>
</tbody>
</table>

### “T” Method Installation

1. Determine cavity heights at all thresholds, drains, and high points.
2. Deduct thickness of decking material.
3. Mark top of pedestal elevation around deck with chalk line or laser level.
4. Plan paver/pedestal layout pattern in advance.
5. Install “T” shaped portion of deck starting from threshold or high point.
6. Adjust to correct height and level.
7. Install on both sides of the “T”.

### Determining Cavity Height

- The cavity height is the space between the top of the roofing membrane and the bottom of the decking material.
- Use a laser level or chalk line to assist.
- Refer to the detachable measuring device printed on the box.

### A1 (a) Threshold and (b) Perimeter Placement

- Use extra pedestals under small cut pieces for additional support.
- Adhere small pavers to top of pedestal with construction adhesive.
- Remove tabs as necessary for perimeter pedestals.
- Turn pedestals upside down or trim pedestal bases as necessary to fit around the perimeter.
- Decking pavers must not be spaced more than 3/16” (4.5 mm) from the perimeter containment.
- Adhere tabs into place with construction adhesive to maintain spacing between pavers when normal tab placement is not possible.
A2 Radius Placement
- Use extra pedestals under small cut pieces for additional support.
- Adhere small pavers to top of pedestal with construction adhesive.
- Remove tabs as necessary for perimeter pedestals.
- Turn pedestals upside down or trim pedestal bases as necessary to fit around the perimeter.
- Decking pavers must not be spaced more than 3/16” (4.5 mm) from the perimeter containment.
- Adhere tabs into place with construction adhesive to maintain spacing between pavers when normal tab placement is not possible.

A3 Low Elevation Placement
For low cavity heights the following pedestals are available:

<table>
<thead>
<tr>
<th>MODEL:</th>
<th>HEIGHT:</th>
</tr>
</thead>
<tbody>
<tr>
<td>VT18 or VT316</td>
<td>1/8” (3.175 mm)</td>
</tr>
<tr>
<td>HD25-18 or HD25-316</td>
<td>1/4” (6.35 mm)</td>
</tr>
<tr>
<td>HD50-18 or HD50-316</td>
<td>1/2” (12.7 mm)</td>
</tr>
<tr>
<td>HD75-18 or HD75-316</td>
<td>3/4” (19.05 mm)</td>
</tr>
<tr>
<td>LO-18 or LO-316</td>
<td>1¼ - 2” (31.75 - 51 mm)</td>
</tr>
</tbody>
</table>

Shims can also be used to accommodate variations in height:
- 1/16” (1.588 mm) B11 Shim
- 1/8” (3.175 mm) PS1 Shim

A4 Diagonal Placement
- Use extra pedestals under small cut pieces for additional support.
- Adhere small pavers to top of pedestal with construction adhesive.
- Remove tabs as necessary for perimeter pedestals.
- Turn pedestals upside down or trim pedestal bases as necessary to fit around the perimeter.
- Decking pavers must not be spaced more than 3/16” (4.5 mm) from the perimeter containment.
- Adhere tabs into place with construction adhesive to maintain spacing between pavers when normal tab placement is not possible.

A5 Drain Placement
- Elevate a steel plate or spare paver above the drain but below the deck itself.
- Use that elevated paver to support a pedestal where you need for the deck above.
Routine maintenance of your paver deck system will enhance the beauty, reduce major repairs, and prolong the life of your deck. Below is a list of maintenance guidelines that should be performed on a regular basis:

1. Check for pavers that rock. If you notice pavers rocking back and forth while walking on the deck, simply lift the paver up and shim one or more corners until the paver is level on all four corners. To ensure pedestal stability, make sure to not exceed the thread engagement indicators. Bison 1/16” (1.588 mm) B11 Shims or 1/8” (3.175 mm) PS1 Shims can be ordered and shipped.

2. Depending on substrate materials, some settling and/or deflection can occur. Remove the paver and adjust the pedestal until a level height is achieved. You may need to do this to more than one pedestal to level out an area.

3. Clean drains and scuppers on a regular basis. Water should completely drain off the roof deck within 48 hours after rainfall, under ambient drying conditions. Standing or pooling water can be detrimental to some waterproofing systems.

4. Periodically check the spacer tabs between pavers, and replace broken spacer tabs immediately. Loss of spacer tabs could create unsafe deck movement.

5. Make sure the edge restraint remains intact. There should not be room around the perimeter of the deck in excess of 3/16” (4.5 mm) width which would allow for lateral movement of the pavers and create an unsafe condition.

6. Follow paver manufacturers’ suggestions for upkeep and maintenance of the pavers.