

Installation Guide: Safety Rider Vulcanized

Components:

- Mini Hump unit sections
- 6" Lag bolts 3/8" diameter, washer, shield – 6 per section (GNRS960000)


What You Need:

- Chalk
- Measuring tape
- Heavy duty hammer drill
- Drill bits – carbide tip, 9/16" diameter, 10-12" long
- Hammer for installation of plastic shields
- Sledgehammer (for final adjustment)
- Ratchet or power tool to screw down the installation bolts
- Wrench with extension drive for bolt installation
- Broom for cleaning installation surface
- Portable blower / vacuum cleaner for cleaning installation holes from dust / debris
- Gloves, safety goggles
- Traffic cones, barricades or other means to secure the site

Crew:

- 2 – 4 installers (depending on the solution installed)

Installation Instructions:

STEP 1:	Determine the location of the device and sweep the surface clean of debris / dust. Use chalk to mark the center lines (parallel and perpendicular to the direction of the street) and border lines on the surface.
STEP 2:	Assemble and position the units, starting from the center line (parallel to the direction of the street). <u>Note:</u> Make sure the units are tight and well aligned before moving on to step 3.
STEP 3a:	<p>Drill 9/16" diameter holes into the surface, through the existing holes of the placed units. The holes should be 5 ½" – 6" deep in order to accommodate the 6" long lag bolts. Remove the product and insert the plastic shields until the flange of the shield is flush with the installation surface.</p> 
STEP 3b:	Re-position the product over the holes made in the installation surface. <u>Note:</u> Make sure the holes are clear of dust and debris before installing the shields. (A portable blower is useful for this purpose)
STEP 4:	Insert a lag bolt with a washer into each hole with a washer and bolt down each unit. Do not over tighten.

Maintenance:

- Requires minimal maintenance. Periodically inspect the bolts and tighten if necessary.

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