Installation Guide: Safety Rider

Components:
- Mini Hump unit sections
- Lag bolts 3/8" diameter, 4" long – 6 per section (included)
- Plastic shields (anchors) for 9/16" holes – 6 per section (included)

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
- Sledge hammer (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). Note: Make sure the units are tight and well aligned before moving on to step 3.
STEP 3:	Drill 9/16" diameter holes into the surface, through the existing holes of the placed units. The holes should be 3 ½" – 4" deep in order to accommodate the plastic shields that are 3" long. Remove the product and insert the plastic shields until the flange of the shield is flush with the installation surface.

	Re-position the product over the holes made in the installation surface. Note: 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 and bolt down each unit. Do not over tighten.	

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