

# Installation Instructions

## 3" High Speed Humps & End Caps

- Site Safety:** Before installation, ensure work site is safe. If necessary, block off the roadway to prevent vehicle and pedestrian access, use appropriate signage and work barricades to delineate the work area. Ensure electric power leads and hand tools are safe, in good working condition and only used as per manufacturer's specifications. Remove any potential trip hazards and use appropriate personal safety equipment (safety gloves, safety glasses, safety boots, etc.).
- Lag Bolt Method:** Recommended for asphalt or concrete traffic lanes where drilling holes is permitted.
- Tools Required:** Trimming knife, high-speed hammer drill with 5/8" masonry bit, impact wrench or heavy ratchet with a 3/4" socket and a hammer or mallet.
- Hardware:** One 1/2" x 7" lag bolt for each hole in the speed hump, one 1/2" washer for each lag bolt and one 5/8" lag anchor for each lag bolt.
- Step 1:** Clear the application area of any obstruction or debris.
- Step 2:** Position the speed hump and end cap sections into the installation position and, using the pre-drilled holes as templates, mark the location of each hole on the roadway's surface. Make certain the units are square and straight. The use of a chalk line or straight edge may be helpful.
- Step 3:** Remove the speed hump and end cap sections. Using the high-speed hammer drill with a 5/8" masonry bit, drill a hole at each marked location to a minimum depth of 6" below the roadway's surface.
- Step 4:** Insert a lag bolt anchor into each hole (large anchor opening on top). Tap the anchor into the holes with a hammer so that the anchors are set flush with the surface.
- Step 5:** Reposition the speed hump and end cap sections into the installation position. Slip a washer onto a lag bolt, insert the bolt through a pre-drilled hole in the speed hump and tighten the bolt about three-quarters of the way with a 3/4" socket. Repeat for each hole in the speed hump. Finish tightening each bolt until just snug.

**DO NOT OVER TIGHTEN:** Excessive tightening may damage the bump and void the product warranty.