INNOPLAST

Speed Bump & Hump Installation

Lag Bolt Method: Recommended for Asphalt or Concrete Traffic Lanes where drilling holes are permitted.

Hardware:
- ½" x 5 ½" lag bolt for each hole
- (2) ½" washers each
- ½" lag anchor
- (2) 4" strips of butyl adhesive tape (plastic product only)

Tools Required:
- High speed hammer drill with ¾" masonry bit
- Impact wrench or heavy ratchet with ¾" socket

1. Clean the surface so that it is free from dirt.
2. Place the speed bump in its installation position and mark the location of each hole using the pre-drilled holes as a template.
3. Remove the speed bump. Using a high-speed hammer drill with a ¾" masonry bit, drill a hole at each marked location to a depth of 3 ½" below the surface.
4. Place speed bump, bottom up, on a firm surface. Apply a strip of butyl tape on each side of the holes.
5. Smooth and adhere the tape to the bottom of the speed bump by hand or with a roller. Remove the protective paper.
6. Insert lag anchor into each hole (large anchor opening on top). Tap the anchor into the hole with a hammer so that the anchors are set flush with the surface. Place a washer over each anchor hole.
7. Make sure the substrate is thoroughly clean and dry. Reposition the speed bump in its installation position. Apply firm hand pressure. Slip a washer onto a lag bolt, insert the bolt through a pre-drilled hole in the speed bump and tighten the bolt about three quarters of the way with the ¾" socket. Repeat for each hole in the speed bump. Finish tightening each bolt until just snug. DO NOT OVER TIGHTEN! Excessive tightening may damage the bump and void the product warranty.

Steel Spike Method: Recommended for use on Asphalt or wood Block Surfaces only.

Hardware:
- ½" x 12" steel spike for each hole
- (2) 4" strips of butyl adhesive tape (plastic product only)

Tools Required:
- Trimming knife
- High speed hammer drill with 3/8" masonry bit
- Sledge hammer for driving spikes

1. Clean the surface so that it is free from dirt.
2. Place the speed bump in its installation position and mark the location of each hole using the pre-drilled holes as a template.
3. Remove the speed bump. Using a high-speed hammer drill with a 3/8" masonry bit, drill a hole at each marked location to avoid fracturing the asphalt with the spike.
4. Place speed bump, bottom up, on a firm surface. Apply a strip of butyl tape on each side of the holes.
5. Smooth and adhere the tape to the bottom of the speed bump by hand or with a roller. Remove the protective paper.
6. Make sure the substrate is thoroughly clean and dry. Reposition the speed bump in its installation position. Apply firm hand pressure. Drive the spike through the speed bump and into the drilled hole until the spike is snug against the counter bored surface of the speed bump's pre-drilled hole. DO NOT DRIVE BEYOND "SNUG"! If driven too far the spike may damage the speed bump and void the product warranty.

***Rubber Speed Bumps: Hardware sold separate.**
***Plastic Speed Bumps: Hardware included.**