



## SOP – INSSOP008- Installation of 25mm Rumble Bars

Rev 7 (22/11/2023) – Owner: Chief Operating Officer



ROAD SAFETY RENTAL

### 1. Objective and Scope

To describe how to correctly install Saferoads 25mm Rumble Bars.

### 2. Safety:

Working on or beside a roadway is inherently dangerous.

### 3. Personal protective equipment (PPE)

The following is mandatory PPE.



Safety Boots (steel capped) with rubber soles.



Eye and hearing protection is compulsory



Use a dust mask when using compressed air for blowing drilled holes



Hi-Viz must be worn when installing product



Gloves must be worn when installing product



Hi-Viz Protective Clothing is to be worn

### 4. Equipment Required

- Compressor with air nozzle
- Hammer drill and bits
- Industrial vacuum cleaner
- Generator
- Small hand tools
- Traffic Mngt Equipment
- Epoxy and Gun (refer SDS)

### 5. Qualifications and Competencies

- a) Safe use of hand tools;
- b) Manual handling; and
- c) Road traffic management.

### 6. Documentation and Setup

- a) Ensure that the selected installer provides a copy of Public Liability Insurance, WorkCover, SWMS and plant service records. (No documentation - no job).
- b) Contact Dial before you dig; if required (recommended);
- c) Ensure you are at the correct location and set up traffic control is to Australian Standards, or as advised and required by the client.



### 7. Installation

Step 1 – Position the Rumble Bar	Step 2 - Fastening to pavement	Step 3 - Air
Position the Rumble Bar on to a cleaned road surface, as per site plan provided.	Using a drill with a 14mm masonry bit, drill 120mm deep holes through the designated points in the Rumble Bar.	Using an industrial vacuum cleaner or air gun remove dust from each hole.  Note: if using an air gun be careful of airborne dust and stones



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<b>Step 4 – Fastening</b>	<b>Step 5 - Fastening</b>	<b>Step 6 - Fastening</b>
<p>Using epoxy and a caulking gun, insert nozzle into each hole and insert epoxy.</p> <p>Saferoads recommends 3 caulks per hole.</p> <p>Note: the epoxy dries very quickly in warm weather so it is important to cap the nozzle with cling wrap between uses to prevent it from drying hard inside the nozzle.</p>	<p>Insert the nylon plug into each hole using a hammer.</p> <p>Note: be careful of splatter of any excess epoxy when hammering.</p> <p>Quickly re-instate the segment into the correct position, lining up the fastener holes.</p> <p>Note: the epoxy can quickly set hard in warm weather making it difficult to screw in the coach bolt.</p>	<p>Insert the coach bolt and hand tighten.</p> <p>Using the air compressor and rattle gun, drill in the coach bolt with a 17mm socket screw, being careful not to tighten it all the way.</p> <p>Note: the coach bolt will rotate the plastic sleeve in the holes if over tightened mechanically. This will undermine the epoxy adherence to the side walls of the hole, rendering it ineffective.</p>
<b>Step 7 – Final Fastening</b>	<b>Step 8 – Rubber Bung</b>	<b>Step 9 - Completion</b>
<p>Finish tightening coach bolts using a ratchet socket wrench with a 17mm Socket.</p> <p>Note: be sure to complete this step not too long after the previous step as the epoxy will set too hard and prevent tightening of the bolt.</p>	<p>Insert the rubber plugs into the holes</p>	<p>Sweep up any excess dirt or debris from the site and collect any left-over parts; and</p> <p>Ensure that the Wheel Stop is firmly secured</p> <p>Put away tools / Clean work area.</p> <p>Ensure workmanship is to a high standard</p>

### SOP REVISION UPDATES

SOP Amendment Level		
Rev #	Date	Comment
7	22/11/2023	a. PPE Icons updated – No Revision change
7	20/01/2022	a. Review by Manager – Supply, Safety and Systems – No Revision change (format only)
7	08/10/2020	b. New Format
6	05/04/2018	a. Reference including Housekeeping / Revision Details