

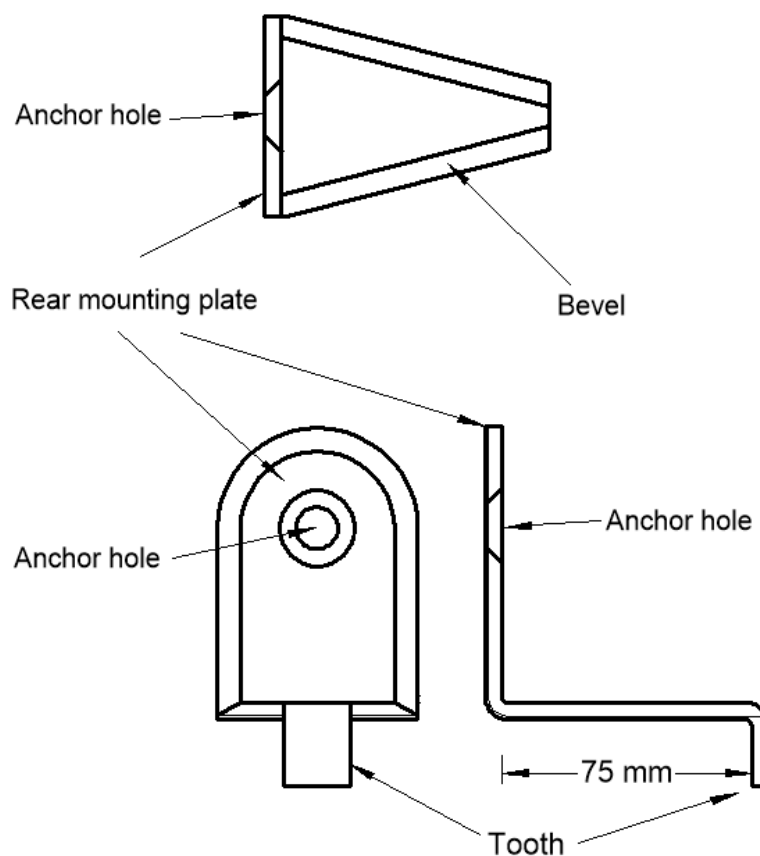
Installation Instructions for STAY GRATE™ SSZ-75 units

Version current as at 8th September 2015

STAY GRATE™ SSZ-75 is a bracket designed to fasten grates located in narrow concrete surrounds adjacent to walls.

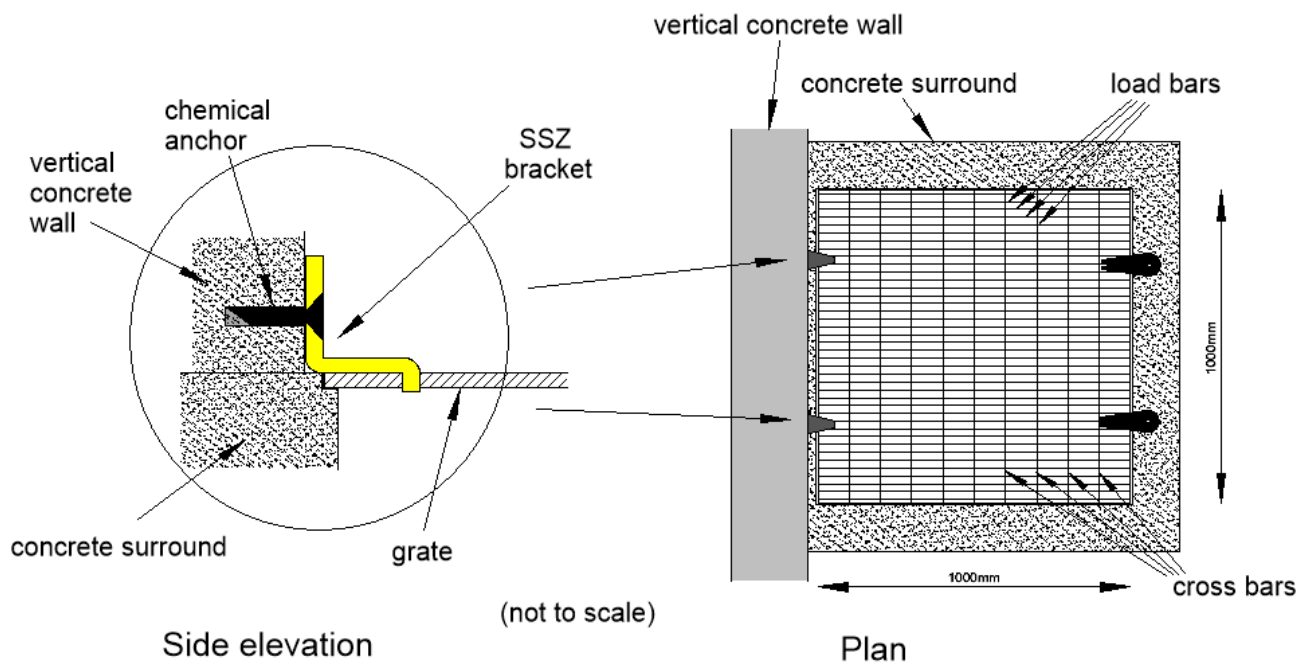
NOTE: STAY GRATE™ SSZ-75 assembly includes STAY GRATE™ SSZ-75 Unit, Chemical Anchoring Device and Screw. Installation instructions are for STAY GRATE™ assemblies using Anzor M10 Internal Threaded Anchors with Hobson 316 M10 countersunk socket screw and using Chemset™ 101 Plus resin*

Figure 1. Plan and Profile of STAY GRATE™ SSZ-75 unit.



*All anchoring devices and screws used in conjunction with STAY GRATE™ SSZ-75 units must be installed in strictly in accordance with the Manufacturer's Specifications.

Figure 2. Diagram of STAY GRATE™ SSZ-75 units installed



Installation Instructions for STAY GRATE™ SSZ-75 units

1. Identify the number of STAY GRATE™ units to be installed, and the configuration in which they need to be placed, dependent on the size and number of grates to be fixed.

Refer to Figure 3. Recommended installation configurations for STAY GRATE™ units for different grate sizes.

2. Place STAY GRATE™ units in intended location with the rear mounting plate tight against the vertical concrete wall and the tooth inserted into the horizontal grate. Ensure there are no obstructions between the plate and concrete surfaces and, if necessary, level-off the concrete surface to maximise contact area. Ensure that the tooth fully engages with the grate frame or the first load bar.
3. Mark the position of the Anchor Hole with a 12mm diameter drill bit to a depth of approximately 5mm.
4. Remove STAY GRATE™ unit and complete drilling anchor hole in the concrete using a 18mm masonry bit to a depth of 95mm (when using Anzor anchors as described in Note on pg.1) or to manufacturer's specifications if using alternative products.

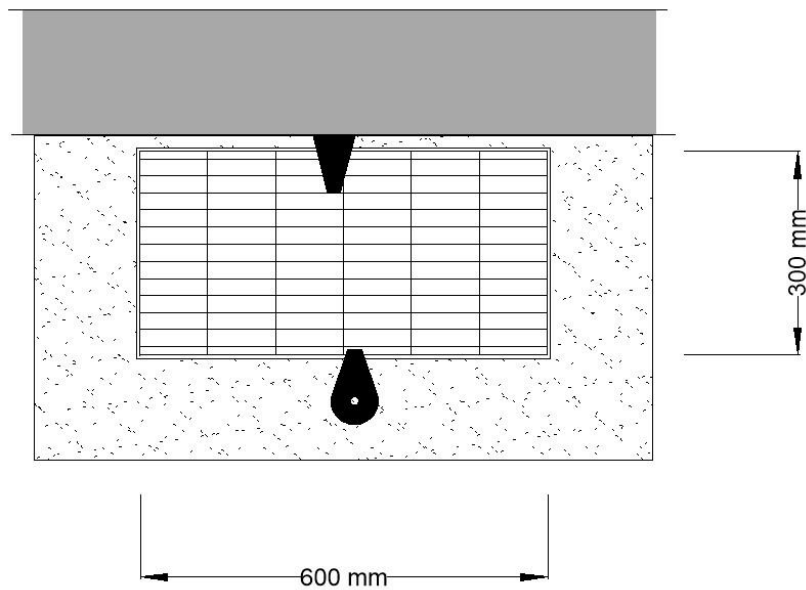
5. ESSENTIAL: Clean the drilled hole with compressed air or similar method (air pump) to remove all drilling debris and dust. Dust and debris in the anchor hole will interfere with the Chemset™ 101 Plus bond and reduce the load capacity of the STAY GRATE™ assembly. Ensure no dust or debris remains on the concrete surface where the STAY GRATE™ unit is to be placed. If holes are wet or flooded, clean hole with brush and rinse hole with clean water.
6. Apply nickel-based anti-seize lubricant to countersunk socket screw in accordance with manufacturer's recommendations. In applications where resistance to vibration is required the use of a suitable Loctite™ thread-adhesive or similar product is recommended. All products used in conjunction with STAY GRATE™ units must be applied strictly in accordance with the Manufacturer's Specifications.
7. Assemble the STAY GRATE™ plate, stainless steel screw and anchor, and hand-tighten the screw to the anchor. Back the screw off by two complete turns, to allow tightening of the assembly once the Chemset™ has cured and the anchor is secure.
8. Insert the Chemset™ 101 Plus resin into the drilled hole in accordance with the manufacturers' specifications.
9. Place STAY GRATE™ unit in position, ensuring again that the tooth engages the grate frame or first load bar. Insert the anchor into the hole, rotating the socket to ensure even distribution of Chemset™ 101 Plus resin and to avoid trapping air.
10. Allow Chemset™ 101 Plus resin to cure for the appropriate time, in accordance with the manufacturers' recommendations. Refer to technical datasheet and MSDS available from www.ramset.com.au for precautions and further detailed installation instructions in using Chemset™ 101 Plus.
11. Tighten the head of the screw to 11Nm torque with a 6mm Allen key until the screw head is firm in the recess, below the STAY GRATE™ unit surface.

Please refer to Worksafe Safety Alert July 2014 "Torqueing fasteners with rattle guns" and ensure fasteners are correctly torqued to manufacturer's specifications.

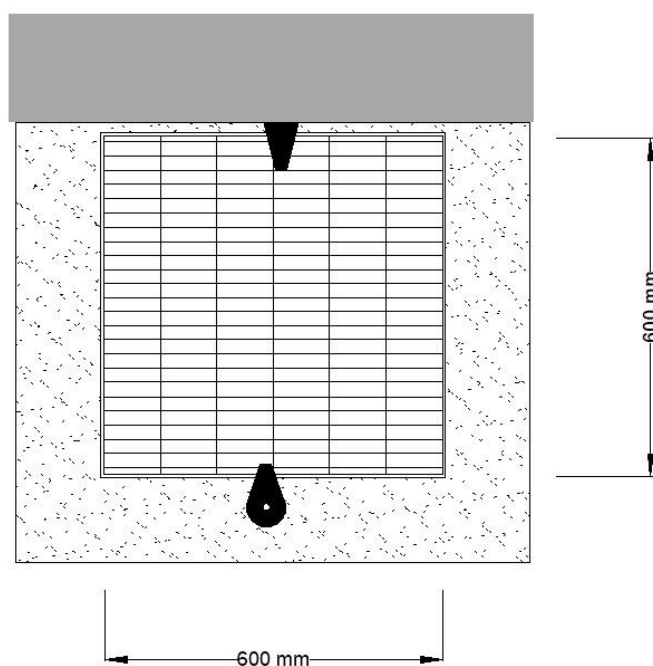
<http://www.worksafe.vic.gov.au/forms-and-publications/forms-and-publications/torqueing-fasteners-with-rattle-guns>

Figure 3. Recommended installation configurations for STAY GRATE™ SSZ-75 units for different grate sizes. These configurations maximise the uplift load resistance capacity (refer to product specification for further details).

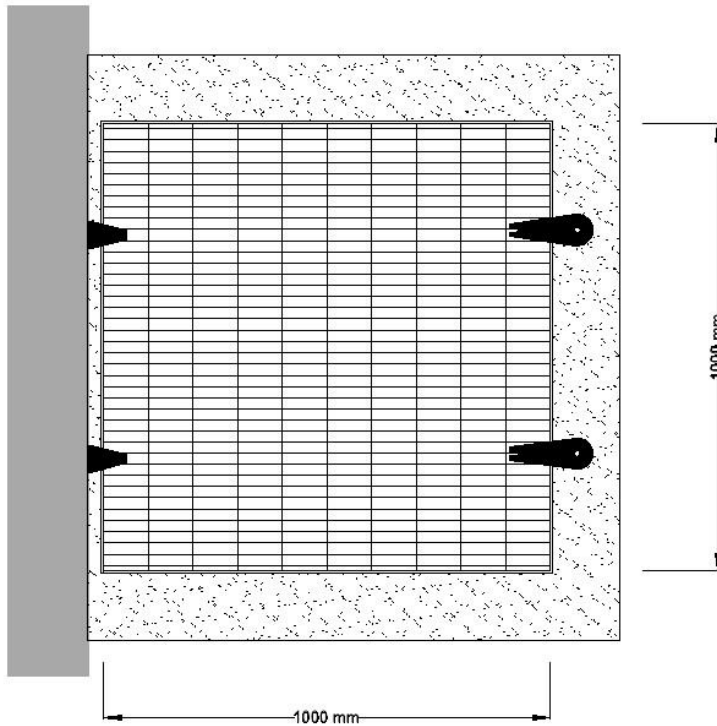
3a. Configuration of STAY GRATE™ SSZ units for 300mm x 600mm grate.



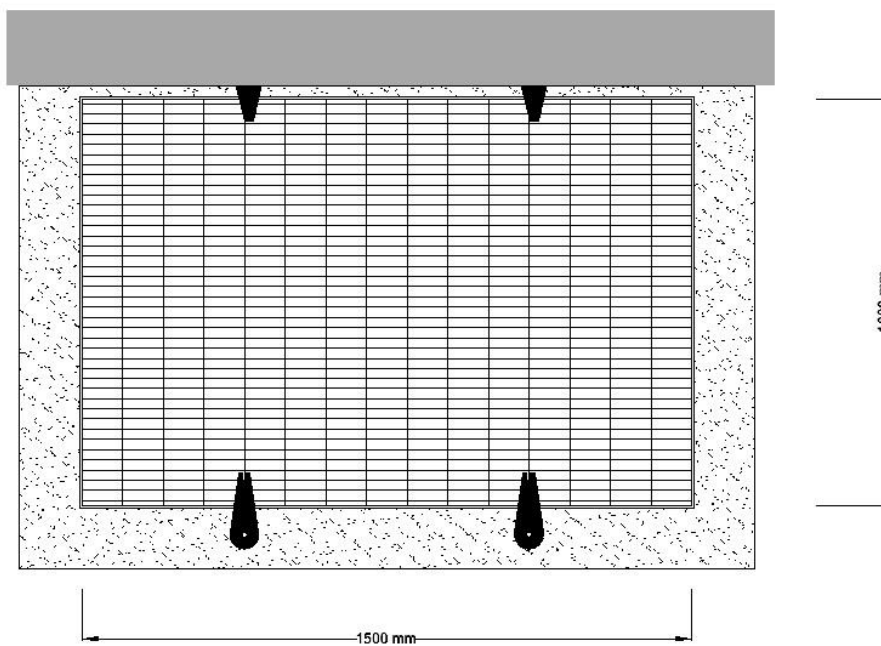
3b. Configuration of STAY GRATE™ SSZ units for 600mm x 600mm grate



3c. Configuration of STAY GRATE™ SSZ units for 1000mm x 1000mm grate.



3d. Configuration of STAY GRATE™ SSZ units for 1000mm x 1500mm grate.



3e. Configuration of STAY GRATE™ SSZ units for grates covering an area of 6000mm x 1000mm.

