Adjustable
Precast Concrete Installation Guide

1. Introduction

1.1 RimRiser™ hardware is intended for use with RimRiser-Ready municipal castings and RimRiser-Ready precast concrete tops.

1.2 The following information is intended as a guide for installing precast concrete catch basin tops and utility vault lids using RimRiser installation products (**Figure 1**).

1.3 The user's field experience and modifications to these recommended procedures may yield slightly different, although acceptable, results.

1.4 Refer to local standard specifications for additional installation details.

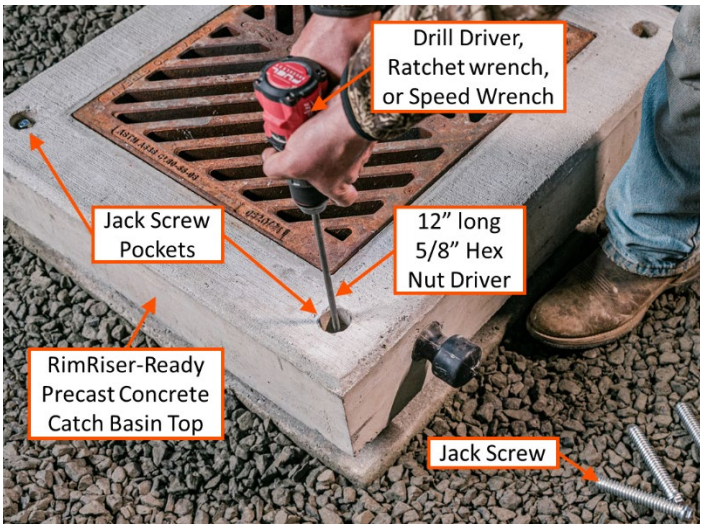


Figure 1 *RimRiser-Ready precast concrete catch basin lid/top*

2. Note to Installer

If you experience any issues with the installation of RimRiser™ products, please don't hesitate to contact our team at (360) 833-2277 or help@rimriser.com. Use only genuine RimRiser parts and RimRiser-Ready precast concrete fixtures.

3. Suggested Tool List

- One of the following:
  - cordless drill driver to accept 5/8" hex nut driver (12" long X 5/8" hex nut driver, see **Figure 1**, ZORO P/N G5121663)
  - ratchet wrench or speed wrench with a 5/8" hex nut socket
- Construction level
- String lines
- Tape measure
- Non-shrink grout (refer to local specifications)
- Cleaning cloth and brush

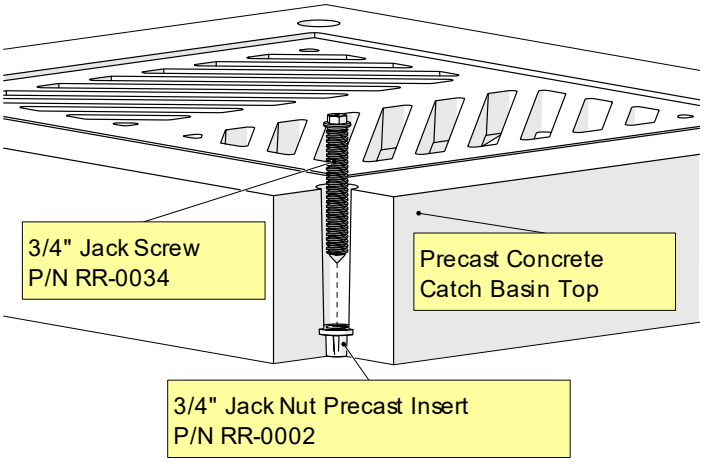


Figure 2 *Cutaway view of jack screw placement into Rimriser-Ready precast concrete lid/top*

4. Adjust Precast Fixture to Grade

4.1 Determine and/or mark finished grade according to appropriate standard method (for example, marking with string lines or evaluating with a construction level).

Adjustable
Precast Concrete Installation Guide

4.2 Refer to the table below for RimRiser screw vertical lift capability. Six (6) turns equal 1” of vertical adjustment.

P/N	Description	Vertical Lift
RR-0034-5	5” screw	3 3/4”

4.3 If the supporting base needs to be raised, select a suitable combination of grade adjustment rings to bring precast fixture within finished grade adjustment range. Plan to have a minimum gap of 0.5” between top of supporting base and bottom of precast fixture for grouting after adjustment (see **Figure 3**).

4.4 Center grade adjustment ring over the opening.

4.5 Grout/mortar grade adjustment ring in place according to local agency specifications.

4.6 Position precast concrete fixture on top of supporting base or grade adjustment ring.

4.7 Four (4) RimRiser jack screws P/N RR-0034-5) have been pre-installed by the manufacturer, (see **Figure 2**).

4.8 With precast concrete fixture in final lateral position, use a drill, rachet, or speed wrench (**Figure 1**) to turn screws until precast top meets the specified grade.

4.9 Make fine adjustments to screws as necessary to remove any wobble, taking care to maintain specified grade.

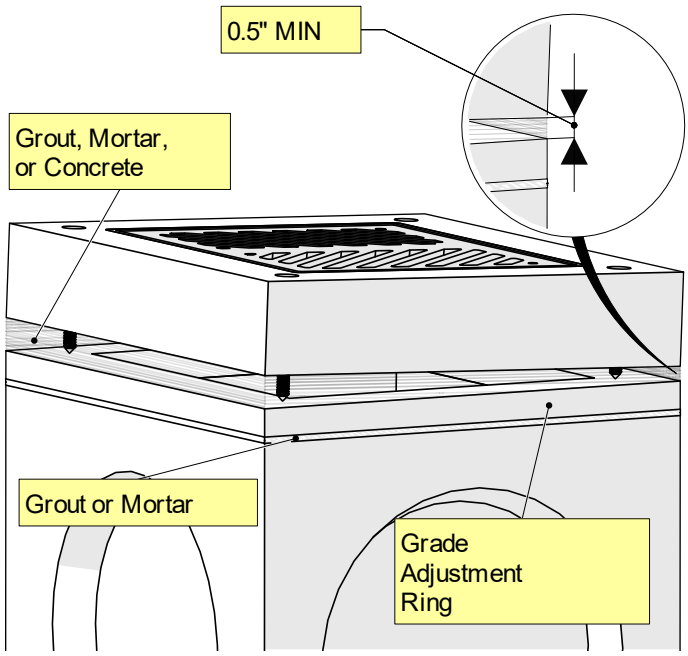


Figure 3 *RimRiser-Ready precast concrete top showing minimum recommended gap dimension*

5. Place Grout, Mortar, or Concrete

5.1 Fill and pack gap/void precast concrete fixture and supporting base with agency-approved non-shrink grout, mortar, or concrete. Pack gap-filling material around screws.

5.2 Finish gap-filling material smooth/flush with the interior and exterior of the adjoining surfaces (gap/void is typically less than 2”).

5.3 Like traditional shims, leave screw in place.

5.4 Brush and wipe concrete fixture clean.