

Solutions Linear Drain

Clamping Ring Installation Instructions

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1. GENERAL INFORMATION

Solutions is a high-quality American made linear drain system made from one-piece injection molded ABS construction. The drain base is internally pitched to the waste outlet to facilitate efficient drainage.

a) Install in strict compliance with these written instructions, and comply with applicable ANSI standards, Tile Council of North America (TCNA) recommendations, and plumbing/building codes. For additional installation details, please visit our website at www.noblecompany.com, download our free Mobile App (available on Apple and Android operating systems), or call us at (800) 878-5788.

b) For procedures not covered by these instructions, contact Noble Company.

2. MATERIALS

2.1 DRAIN: Drain should have clamping collar/ring for mechanical fastening of shower pan liner. Used in Clamping Ring installation (i.e. FreeStyle Thin-Bed Drain™ - sold separately).

2.2 SEALANT: Use NobleSealant 150 between shower pan liner and drain base.

2.3 SHOWER PAN LINER: Sheet membrane acting as the waterproof barrier (i.e. Chloraloy® - sold separately). CPE or PVC, ASTM D4068 or D4551. Clamping Ring installation only.

2.4 CLAMPING RING HUB TRANSITION: Transition ring with smooth inside hub to allow for drain hub to engage.

2.5 HAIR TRAP AND STRAINER LEVELERS: (1) Hair Trap, (4) 2-3 mm Strainer Levelers, (4) 4-6 mm Strainer Levelers.

2.6 TOOLS: Tape measure, caulk gun, utility knife.



1



2.4



2.5

3. PLANNING

Select Clamping Ring installation instructions

3.1 DRAIN PLACEMENT: Drain waste outlet center needs to be at least 2¼" from any wall or stud. 2" I.D schedule 40 pipe type PVC or ABS should be used for waste piping.

3.1.a. If the drain outlet is placed within 2¼" inches from stud, sill plate may need to be notched out to accommodate the drain body flange and/or clamping ring.

3.2 Drain base and waste piping should be installed prior to the shower pan liner.

3.3 WALL BOARD: Consult manufacturer's installation materials for suitability for use as a substrate for tile in a wet area. Wall board should be installed directly over drain flange when drain is installed tight to studs or sill plate.

3.4 NOBLESEALANT 150: A 10.3 oz tube will cover approximately 40 lineal feet with a 3/16" bead.

4. PREPARATION

4.1 INSPECTION: Examine substrates for unacceptable conditions affecting tile installation. Substrate must be flat, smooth, solid, free from bond-breakers, cracks, and properly sloped to drain for wet-area applications.



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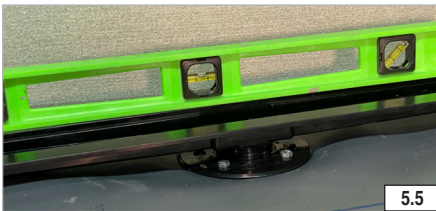


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5. INSTALLATION: CLAMPING RING METHOD

- 5.1 Select appropriate wall and floor substrate suitable for wet areas. All surfaces must be dry (cured), clean, and free of bond breaking contaminants. Consult backer board manufacturer for specific installation recommendations.
- 5.2 Install drain base per manufacturer's written instructions. Drains must be equipped with proper clamping devices and weep holes. If reusing existing drain, clean rust, caulk, mortar, etc., from face of clamping ring and matching surface on drain. Use a continuous bead of NobleSealant 150 to form a watertight seal between new shower pan liner and the drain base.
- 5.3 Substrate must be sloped to drain weep holes per code requirements with no depressions where ponding could occur. Weep holes must remain open to ensure proper drainage (i.e. Positive Weep Protector™). Install shower pan liner per manufacturer's instructions.
- 5.4 The outlet of the Solutions drain can be set directly into the installed drain base if using Noble Company's FreeStyle Thin-Bed Drain™. Or, the Clamping Ring Hub Transition may be used to replace on-site clamping ring.
- 5.5 Ensure Solutions drain body is installed level.
- 5.6 Flood test wet areas to ensure water-tightness in accordance with local codes and standards after all floor waterproofing has been installed. Ensure solvent welded joints have dried (typically 24 hours) prior to flood test.
- 5.7 Upon successful flood test, install tile setting mortar bed and ensure to pack mortar under Solutions drain body to support and level where needed. Finished mortar bed should be flush with drain flange. Mortar should be 1½" thick per ANSI standard.



6. TILE INSTALLATION

- 6.1 Set tile in accordance with TCNA Handbook recommendations, ANSI A108 standards, and bond coat manufacturer's directions. Complete coverage of membrane by the bond coat is required.

7. STRAINER

- 7.1 Set tile 1/16" from strainer to ensure proper drainage and allow for smooth removal for cleaning.
- 7.2 Install Hair Trap. If needed, install Strainer Levelers to adjust strainer height to tile. Strainer should be flush or sit just below installed tile. Strainer Levelers available in 2, 3, 4 or 6 mm heights.

NOTE: Tile-In Strainer does not require Strainer Levelers.



8. WARRANTY

- 8.1 For warranty information, contact your Sales Representative or visit www.noblecompany.com.



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