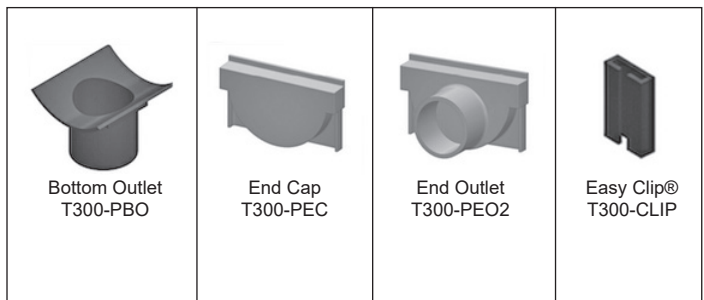


Shallow Depth, 2-7/8" Trench Drain System

INSTALLATION INSTRUCTIONS

The MIFAB® T300 Shallow Depth Trench Drain comes in a CONTRACTOR KIT brand named Slim Trench® and includes enough parts for several different configurations. Simply discard those parts that are not needed for your application. Kits are suitable for pool, driveways, residential, kitchen and sidewalk areas. Each Contractor Kit includes:

- (3) Assembled Trench Drain
- (3) Bottom Outlet, Part No. T300-PBO
- (6) End Cap, Part No. T300-PEC
- (3) End Outlet, Part No. T300-PEO2
- (12) Easy Clip®, Part No. T300-CLIP



Features:

- Non-sloped, shallow depth (2-7/8") trench drain system with Easy Clip® connector attachments.
- 6" wide, 39.4" long, 2-7/8" deep
- Lightweight and chemical resistant polypropylene body and grate
- Bottom and end outlets available in 2" no hub outlet connections
- Class A standard and comes in kit. B and C grates with H-20 and/or ADA compliance are also available.



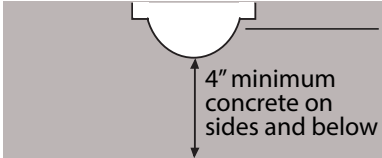
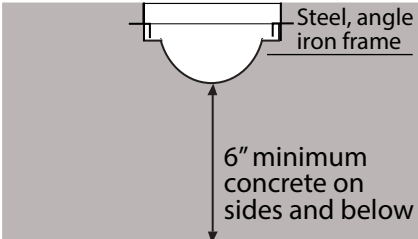

1 PREPARATIONS

A) TOOLS AND LAYOUT MATERIALS SUGGESTED

- #3 Rebar or All-thread rod/nuts/washers
- 3" Hole Saw & centering drill (required for bottom outlets)
- Caulking gun
- Caulk
- Concrete vibrator
- Hammer
- Jig saw or plastic saw
- Level or laser line
- Measuring square and marking tools
- Philips screwdrivers
- Pliers
- Shovel
- String-line
- Tie wire (for rebar)
- Wrenches/14mm socket (required for Hex Bolt type grate lockdowns)
- Self Tapping Screws (for all Bottom Outlets)

2 EXCAVATE THE TRENCH

Prepare the trench for the Slim Trench[®] (T300) with a minimum of concrete-surround by load class:

<p>LIGHT AND MEDIUM DUTY</p>  <p>4" minimum concrete on sides and below</p> <p>Fig. 1 Use Light or Medium (DIN A, C) duty grates. SlimTrench[®] Contractor Kits come with Class A grates.</p>	<p>HEAVY AND SPECIAL DUTY</p>  <p>6" minimum concrete on sides and below</p> <p>Fig 2. Use Medium or Special (DIN C, E) duty grates. Steel, angle iron frame required for special duty. If used for special duty, grate must be secured to steel angle iron frame.</p>	
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LOAD CLASS	EACH SIDE-MINIMUM	DEPTH BELOW-MINIMUM
CLASS A	4.00" [102mm]	4.00" [102mm]
CLASS B	4.00" [102mm]	4.00" [102mm]
CLASS C	6.00" [153mm]	6.00" [153mm]
CLASS D	8.00" [204mm]	8.00" [204mm]
CLASS E	8"-10" [204-254mm]	8"-10" [204-254mm]

Installation in Asphalt requires the same concrete encasement for LOAD CLASS.

RECOMMENDED CONCRETE PLAN - SLIM TRENCH[®] (T300)

General Notes on Installation

- Concrete to have minimum 28 day compressive strength of 3,000 PSI.
- Concrete to be vibrated in place to eliminate entrapped air on all sides and bottom.
- Slim Trench[®] (T300) channels to be anchored via rebar to prevent flotation.
- Concrete to cure at least 24 hours prior to form removal.
- If required, install water-stops per manufacturer's instructions at least 3 inches below concrete surface.
- Water-stops and elastometric joint sealants to be inspected and repaired on a regular basis.

3 ASSEMBLY

A) OUTLETS:

Start the trench layout from the LOWEST point to the HIGHEST point of area. The section containing the **OUTLET** will be your starting channel. For **NO SLOPE/NEUTRAL** – The **END CAP OUTLET** would be assembled to the last Neutral channel section being installed.

3 ASSEMBLY

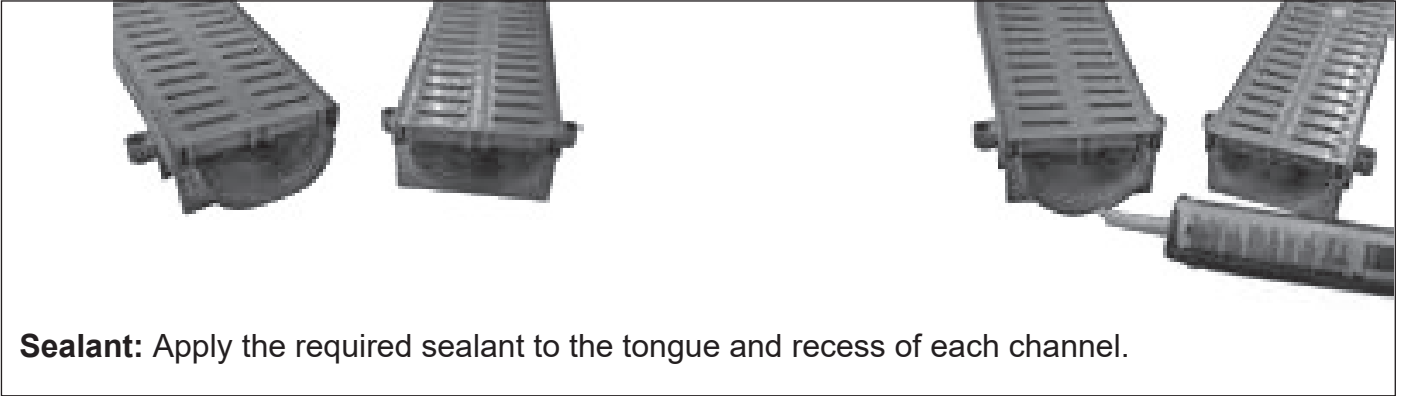
End Cap Outlet Assembly

End cap outlets are fastened to any channel downstream MALE end with our mechanical Easy Clip[®]. Clip together by sliding the Easy Clip[®] over the mounting brackets. **Apply appropriate sealant on tongue and recessed area.**



B) CHANNEL ASSEMBLY:

The channels are all tongue and recess to allow for an easy fit with the next channel either upstream or downstream.



Sealant: Apply the required sealant to the tongue and recess of each channel.



Install Easy Clip®:

The Easy Clip® (left) performs a mechanical lock to secure each channel together. Each channel provides a slide groove that matches up with the attaching channel allowing the Easy Clip® to lock the channels together. (The Easy Clip® is also used on the various End Caps.)

Assemble Multiple Channels:

For greater ease and robust assembly the entire length of run can be pre-assembled. Assemble trench, bottom outlet, end outlet and end caps prior to inserting into the trench with Easy Clip®.

C) BOTTOM OUTLETS:



Bottom Outlet Position:

Bottom outlets can be installed on any channel. Simply locate the lowest point on the pre-sloped channel, mark the hole and drill out with 2" hole saw. We recommend using self-tapping screws for mounting along with a sealant. The bottom outlet has bosses that flush out against the channel legs to tap into.



Bottom Outlet Assembly:

Once you have positioned the outlet, use 1/2" #8-10 self-tapping screws. The outlets have side bosses that flush out against the channel walls/feet. Tap (2) screws through the outside of the wall into the boss areas on each side of the outlet.

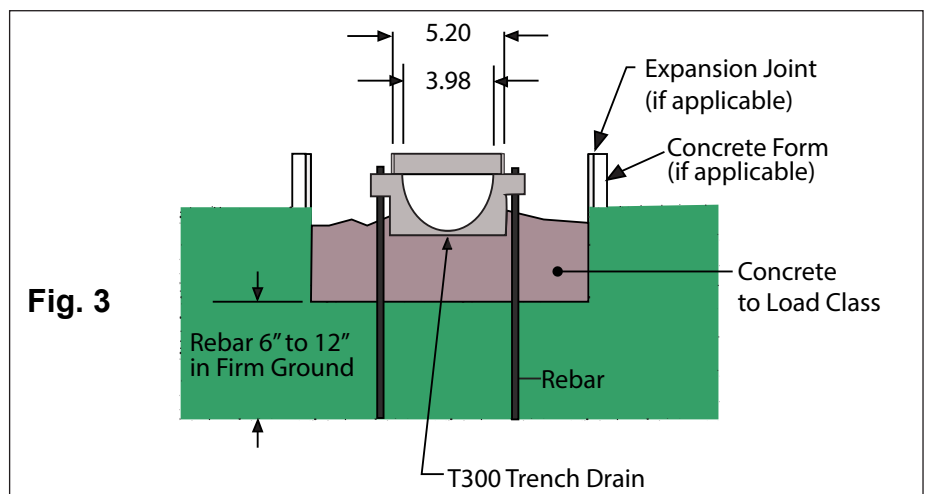
4 INSTALL & POUR

A) Place the pre-assembled length of run into your trench:

- Install any steel angle iron frames (if applicable). (See Fig. 2 on Page 2).
- Insert rebar or All-thread into the integral ears, drive into the ground about 6" to 12" or until firmly held in place (See Figure 3).
- Set the Slim Trench® (T300) trench to desired grade level and align for straightness and secure with Tie Wire. (Adjust Nuts if using Threaded Rod method.)
- Connect to all planned drainage fittings.

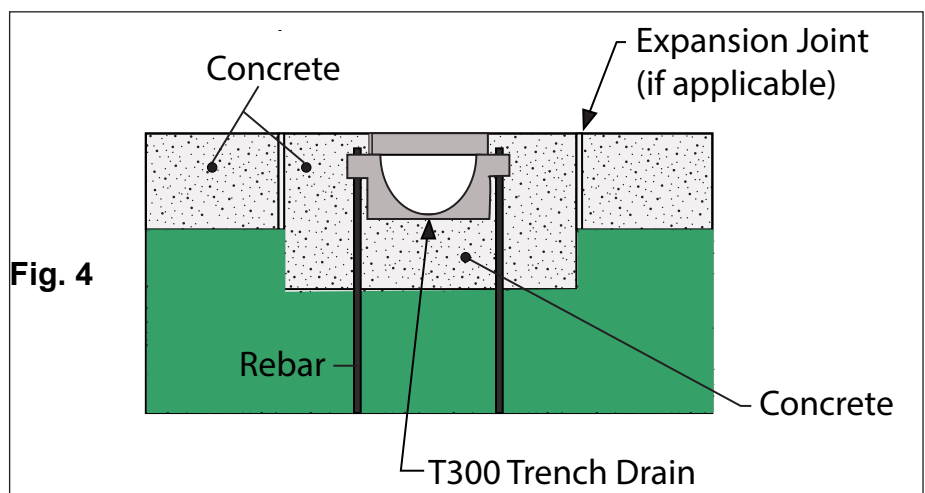
B) To limit Slim Trench® (T300) trench shifting:

First, pour concrete to cradle around the rebar or threaded rod, supports and under the trench to minimize shift of the trench run. Repeat for each pair of trench channels.



C) Finish Pour

Finish pour evenly to prevent the trench from shifting. Vibrate the concrete to remove any trapped air bubbles.



5 FINISH CLEAN-UP

A) Clean Up Installation

After the concrete has set for at least 24 hours.

B) Set-Up Time and Loading

Follow the concrete manufacturers recommendations for the appropriate set-up time and loading.