

# Installation Instructions

## Double Entry Boots

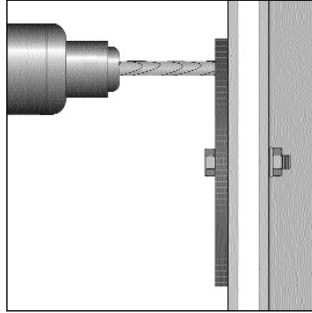
### AB 2481

### Double Entry Boots AB 2481 Application

These two-piece rubber boots are designed to seal pipe and conduit entries both inside and outside the containment chamber. The inner band clamp seals the pipe or conduit entry while the outer band clamp provides additional sealing against aggressive backfill conditions such as those present in high water areas. The double wall sump, double entry boots have longer studs (2-1/2") to accommodate thicker double walled sumps. The use of Loctite's 515 or 518 gasket sealant is used as an interim sealing method for the threads at the studs where the nut tightens to the compression plate, as shown in Step number 3. As with all entry boots, the recommended hole saw sizes must be used for proper installation. The use of dielectric tape, bichamastic or a anti-corrosive clamp spray is recommended for use on the exterior stainless band clamps where required by local regulatory agencies.

#### Step #1

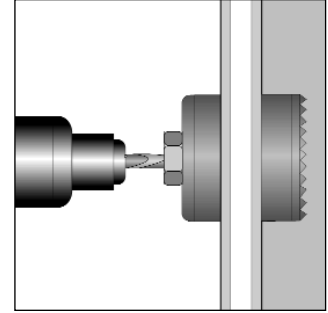
Locate the center entry point in the flat wall section of the sump base and drill a 5/16" hole. Install the *Entry Boot Template* to the sump base wall using a 1/4" bolt and nut. Drill out one hole of the appropriate bolt hole circle for the size boot to be installed using the same 5/16" drill bit. Insert a second 1/4" bolt and nut through this hole to secure the template. Continue to drill the remaining holes of the bolt hole pattern. After drilling, remove the template from the sump base wall.



**Note:** Keep the drill straight and level while penetrating both sump walls.

#### Step #2

Drill out the entry boot opening by using the appropriate size hole saw. After drilling out the opening, clean any rough edges with an applicable deburring tool or method of sanding of fiberglass sumps.

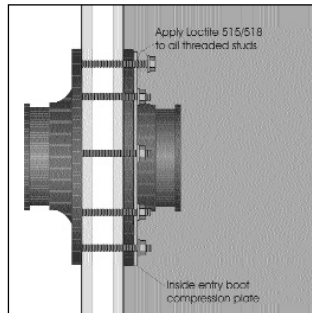


Hole Saw	Double Entry Boots
2-3/8"	DEB-0751
4-1/4"	DEB-0150, 0200, 4015, 4020
5-1/2"	DEB-0200X, 0300, 0300X, 0400

**IMPORTANT:** The recommended hole saw size must always be used for proper installation of the *Flexible Entry Boot* and to maintain the product warranty.

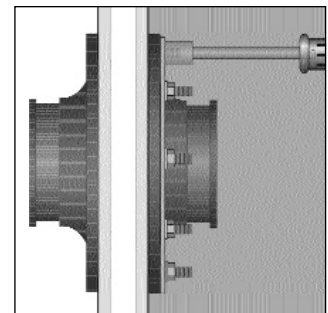
#### Step #3

- Install the outer component of the entry boot from outside the sump by inserting the studs through the bolt holes.
- From the inside of the sump, install the inner component of the boot and compression ring.
- Apply a liberal amount of Loctite 515 or 518 flange sealant around threads of bolts where shown in diagram.
- Secure nuts, not to exceed 60 in lbs.



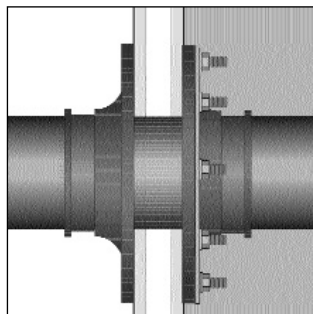
#### Step #4

Using a 7/16" nut driver, tighten all of the nuts evenly and firmly. To prevent deforming boots, do not over tighten nuts. If a torque wrench is used, the setting should be 60 in. lbs.



#### Step #5

Insert the pipe or conduit into the entry boot from outside of the sump. Align the Rubber Reducer Donut (if required) flush with the outer edge of the outer component of the Entry Boot as shown. For Coax Fittings, install a second Rubber Reducer Donut over the coupling and align with the front edge of the entry boot. Tighten the inner band clamp, not to exceed 30 in. lbs. Tighten the outer band clamp, not to exceed 30 in. lbs.



**WARNING:** Keep all fiberglass cleaning solvents away from boots. These types of solvents could cause severe damage.

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Please contact your OPW-FCS sales representative or OPW-FCS customer service representative at 1-800-422-2525 for OPW-FCS products installation procedures. All OPW-FCS literature including installation instruction sheets and manuals can be accessed from the OPW-FCS website at: [www.opwfcs.com](http://www.opwfcs.com).

The use of non-qualified personnel or any deviations from these recommended procedures could result in damage or leakage of the system.



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