

# Installation

These instructions are intended only to provide assistance and as a guide to obtain the most appropriate and satisfactory installation of Champion Fiberglass Bridge Drain™ systems.

These instructions are not intended to replace the responsibilities of engineers, customer representatives, owners or other persons responsible in establishing engineering design practices and procedures that are best suited for individual job site conditions.

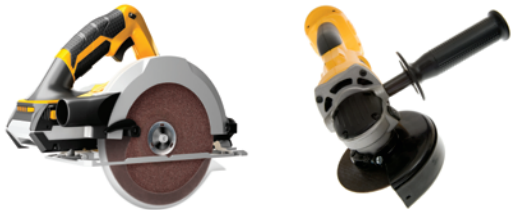
The installation of fiberglass bridge drain and accessories doesn't differ greatly from the installation of fiberglass conduit and accessories. General installation practices will still apply. The procedures for cutting and sealing can be found below.

## Labor Savings

Just as with Champion Fiberglass Conduit, Champion Fiberglass Bridge Drain can be installed much faster than traditional steel and PVC bridge drain systems. The lightweight fiberglass components weigh less than half of their steel counterparts and can be cut, drilled and fabricated in much less time than both PVC and steel bridge drain systems. The result is a substantial labor savings.

## Field Cutting and Sanding

To make fiberglass bridge drain field cuts, the tools required are a reciprocating saw with an abrasive blade (circular saw) or a grinder with a diamond cutting blade. Marking the fiberglass bridge drain for cutting will require a contrasting colored marker. Remove any cutting/drilling burrs or ridges with 60-grit emery cloth. Factory finished ends are supplied pre-sanded. When field cuts are made, the bridge drain ends need to be sanded in order to make the adhesive connection.



In these cases, it is recommended the ends be sanded with an abrasive flap wheel sander or a grinder with an abrasive sanding disc. Recommended grit is 60-grit emery.



Proper field cutting and sanding PPE to include:

- Long sleeve clothing
- Gloves
- Safety glasses
- Particulate respirator (#N95 or equivalent)