O.D. Mechanical Compression fittings
  o Consult manufacturers of compression fittings for the need for internal stiffeners.

O.D. Stab fittings
  o Internal stiffeners are recommended on ½” – 2” stab and mechanical fittings.

I.D. Mechanical compression fittings designed specifically for SIDR 11.5, 9 and 7 pipes are available.

For use in water applications, some mechanical fittings are designed to be used without the requirement of using stiffeners. Other mechanical fittings may require the use of stiffeners. Consult the fittings manufacturer for recommendations of whether a stiffener is required.

As mentioned previously in this document, it is suggested that a stiffener or insert be used refer to the manufacturer’s instructions on the need for stiffeners when installing a mechanical coupling. Figures 18 and 18a details an examples of typical installation instructions for insert type coupling and mechanical compression coupling installation instructions.
1. Cut the pipe square, there is no need to chamfer or lubricate.

2. Ensure 2 threads are showing and simply slide the pipe in until the point of first resistance is felt.

3. Tighten the nut by hand, then firmly with a wrench or Phimac spanner until the nut reaches the flange.