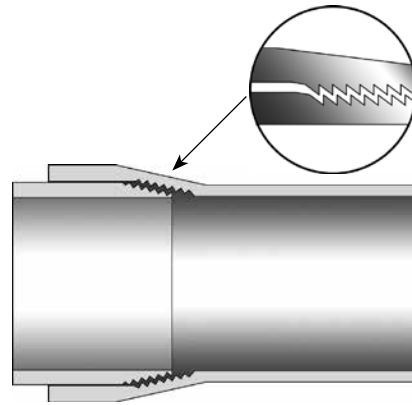


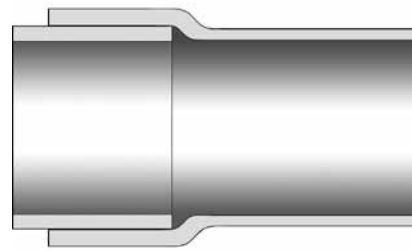
INTERFERENCE JOINT

The interference joint system consists of an integral bell and spigot. The spigot end has a buttress type, male thread for easy installation. The belled end contains the mating female threads. The tapered buttress threads make it easy to join while giving it a high pull out strength of 1,000 lbs. The joint is concrete tight but not water tight.



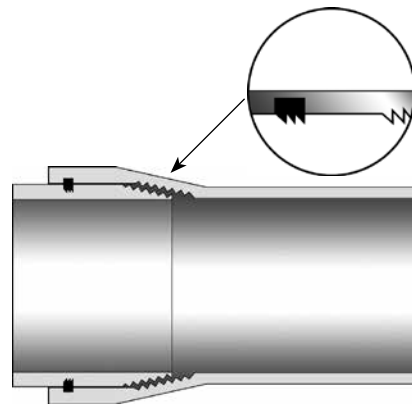
STRAIGHT SOCKET

The straight socket system consists of an integral bell and spigot where the bell is bonded on. The spigot end easily slides into the belled end. This joining system is intended for use with Champion Fiberglass epoxy adhesive, see page 47-48.



GASKET JOINT (TRIPLE SEAL)

The gasket joint system consists of an integral bell and spigot. The belled end has a triple seal gasket in addition to the interference joint. The triple seal gasket fits into a permanent groove formed during the manufacturing of the conduit. Because of this design, thermoplastic retainer rings, which often fall out during cold weather, are not necessary. The triple seal gasket provides a water tight seal. When properly installed, the triple seal gasket in combination with the interference joint has a pull out strength of 2,000 lbs. Triple seal gasket without interference joint (e.g. after a field cut) has a pull out strength of 500 lbs.



TIGHT LOCK JOINT

The Tight Lock Joint is the interference joint or the straight socket joint combined with epoxy adhesive. The adhesive is applied to the spigot end of the conduit, and after the proper set up time, the joint is as strong as the conduit itself. This type of joining method provides the best water tightness and pull out strength. For pull out strength see page 53.

