



Title	Flanges for Buried Services
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Traditionally flanged joints are not buried in our industry. SIP Industries understands there are situations where Flanged Joints, whether on Fabricated Pipe, Fittings or Adapters may require underground burial, but certain precautions need to be considered. The biggest concerns are typically corrosion of the hardware and support for flanged connections because of the rigidity for underground burial.

SIP recommends corrosion hardware such as Stainless or Fluoropolymer Coated steel be used with the appropriate tensile strength for the design service. Also, the use of Polyethylene Encasement of the joints should be used to offer additional corrosion and debris protection of the hardware.

Since flanged joints are rigid and offer no allowance for deflection, concrete and support bedding may be required, depending on the installation's layout, to ensure joint stability and integrity of the joint, any surrounding appurtenances and piping. A licensed engineer should be consulted for the support.

If concrete is used over the flange and bolt connection, it is again recommended that a Polyethylene Encasement of the joint be used.

