



Fernco 6000 RC Series Shielded Coupling Specification

This specification describes the requirements for 6000 RC Series Shielded Couplings designed for the connection of similar and dissimilar pipe materials and size used in below ground sanitary or storm sewer systems.

6000 RC Series Shielded Couplings consist of a flexible sealing sleeve (gasket), stainless steel clamps, and a stainless-steel outer shield equipped with stainless steel clamps.

All stainless-steel components shall be AIS compliant.

- Couplings shall be of “Type B” Complying with the material and performance requirements of Standard Specification ASTM C1173
 - Couplings 16 inch and Smaller shall be Equipped with a Minimum of (2) Standard Worm Gear Clamps, (1) at each end of the Sealing Sleeve
 - Couplings 18 inch and Larger shall be Equipped with a Minimum of (4) Standard Worm Gear Clamps, (2) at each end of the Sealing Sleeve
- Sealing Sleeves shall Comply with the Material Requirements of ASTM C1173 and ASTM D5926
- Worm Gear Clamps shall meet the Material and Performance Requirements of ASTM C1173
 - Clamps shall be Manufactured of 300 Series Stainless Steel
 - Clamps shall have a Minimum Installation Torque of 60 in-lb and a Minimum Ultimate Torque of 75 in-lb
 - Clamps shall have a Minimum Band Width of .5625”
- RC Shields shall meet the Material and Performance Requirements of ASTM C1173
 - Shields shall be Manufactured of 300 Series Stainless Steel
 - Shields shall have a Minimum Thickness of .012”
 - Shields shall be Equipped with a Minimum of (2) Standard Worm Gear Clamps
 - Clamps shall be Permanently Attached to Shields by Spot Weld or Rivet

6000 RC Series Couplings comply with the American Iron and Steel provision (AIS) and the Build America Buy America Act (BABA).

RC Shielded flexible couplings shall be installed according to the manufacturer’s instructions and tested prior to backfilling.