

**PRODUCT SPECIFICATIONS SHEET**  
**GROUND JOINT INSULATING UNIONS**

150-CLASS ANSI., B16.39

3000 LB WORKING PRESSURE

**COMPLIES WITH ASTM A-105**

FEMALE x FEMALE IRON PIPE

Sizes Available: 1/4", 3/8", 1/2", 3/4", 1", 1 1/4", 1 1/2", 2"

**INSULATED PRODUCTS FOR CATHODIC PROTECTION**  
**- MILLIONS IN SERVICE****Stops galvanic and electrolytic corrosion of mains and services.**  
**Permanent economical protection.****Protects against stray or induced currents.****THE FINEST INSULATING UNION EVER DESIGNED!**

Georg Fischer Central Plastics products are carefully engineered and manufactured to perform the function for which they are recommended on our literature. Our recommendations are based on sound engineering principles supported by laboratory test data, both non-destructive and destructive; nevertheless, our products must be properly installed and used in accordance with good judgment and proper training. While all statements and data offered herein are believed to be accurate and reliable, they are not to be taken as a warranty or representation for which Georg Fischer Central Plastics assumes responsibility. Statements or suggestions concerning possible use of products or procedures are made without representation or warranty that any such use or procedure is free of patent infringement.

**Working Pressure:**

1. **Ground Joint:** extra wide seating surface.
2. **Brass Ring:** serves as bearing surface for the nut. Eliminates possibility of damage to nylon insulation when making-up.
3. **Precise Mating Tapers:** provides high compression, gas-tight seal. Will not loosen under strain or vibration.
4. **Forged Steele Nut and Body:** made from hot-forged AISI 1023 open hearth, silicon killed forged steel.
5. **Extra Heavy Shoulder:** on swivel end and in the nut. Increases strength to withstand pipe strains, vibration, misaligned connections, and wrench abuse.
6. **Internal one-piece construction:** insulation is bonded and molded to metal body. No loose parts to assemble, lose or misalign during field installation.
7. **Precision Threading:** expert machining for exact dimensions.
8. **Molded Nylon:** non-brittle to withstand extreme shock loads and impact without fracturing. Chemically unaffected by most substances including gas, water, ammonia, petroleum oils, and greases at temperatures as high as 250° F. Georg Fischer Central Plastic's insulation design uses a return of nylon on the internal surface, which gives additional protection against shorts caused by bridging of foreign materials. Dielectric strength goes far beyond the toughest requirements.

