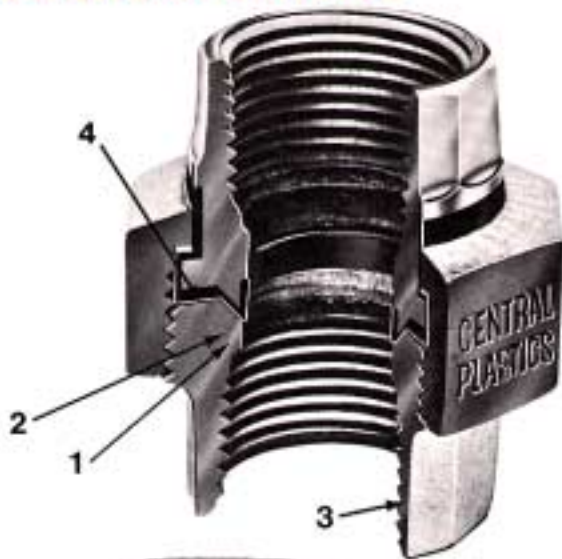




**INSULATED PRODUCTS  
FOR CATHODIC PROTECTION**

**MILLIONS IN SERVICE**



# GROUND JOINT INSULATING UNIONS

**150-CLASS ANSI., B16.39  
300 lb COLD WORKING PRESSURE**

**STOPS GALVANIC AND ELECTROLYTIC  
CORROSION OF MAINS AND SERVICES.  
PERMANENT, ECONOMICAL  
PROTECTION.**

**PROTECTS AGAINST STRAY  
OR INDUCED HOUSE CURRENTS.**

1 — *Ground Joint* — extra wide seating surface.

2 — *Precise Mating Tapers* — provides high compression, gas-tight seal. Will not loosen under strain or vibration.

3 — *Nut and Body* — made of high test, air refined malleable iron.

4 — *Extra Heavy Shoulder* — on swivel end and in the nut. Increases strength to withstand pipe strains, vibration, misaligned connections, and wrench abuse.

5 — *Integral One-Piece Construction* — insulation is bonded and molded to metal body. No loose parts to assemble, lose, or misalign during field installation.

6 — *Precision Threading* — expert machining for exact dimensions. Meets ANSI B2.1.

7 — *Molded Nylon* — nonbrittle 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. Central'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.

**FEMALE x FEMALE IRON PIPE SIZES AVAILABLE:**

¾", 1", 1¼", 1½", 2".

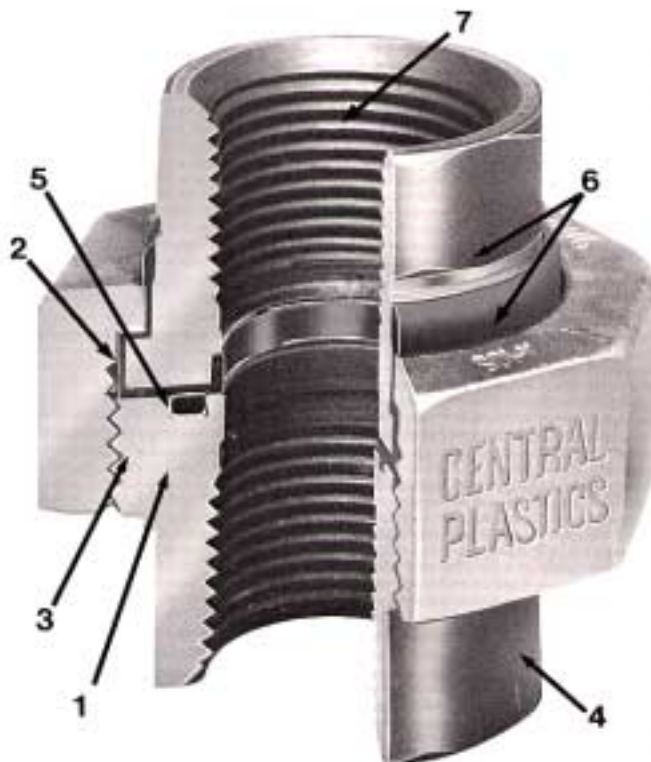
**ALSO AVAILABLE WITH  
ONE SWIVEL END  
OF BRASS**



**THE FINEST INSULATING UNION EVER DESIGNED!**



## INSULATED PRODUCTS FOR PROTECTION AGAINST GALVANIC AND ELECTROLYTIC CORROSION



Central 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 judgement 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 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.

# 'O' RING INSULATING UNIONS

## FLAT FACED TYPE 150 CLASS 300 CWP OR 600 LB.

WORKING PRESSURE

**ECONOMICAL . . .  
PERMANENT . . .  
REUSABLE!**

**PROTECTS AGAINST STRAY  
OR INDUCED CURRENTS**

- 1 — *Confined 'O' Ring Seal* — allows union to be reused. Little torque required to make gas-tight seal, yet permits extremely high compression.
- 2 — *Brass Ring* — serves as a bearing surface for the nut, eliminating undue wear or binding on nylon insulation when making-up.
- 3 — *Leak-Proof Static Seal* — the confined gasket makes the seal completely leak-proof. Will not loosen under strain or vibration.
- 4 — *Nut and Body* — made from high-test, air-refined malleable iron.
- 5 — *Extra Heavy Shoulder* — on swivel end and the nut. Increases strength to withstand pipe strains, vibrations, misaligned connections, and wrench abuse.
- 6 — *Integral One-Piece Construction* — nylon insulation is bonded and molded onto metal body. No loose parts to assemble, lose or misalign during field installation.
- 7 — *Precision Threading* — expert machining for exact dimensions. Meets ANSI B2.1.

**CENTRAL'S 'O' RING INSULATING  
UNIONS FEATURE LONG-LIFE —  
FOOL-PROOF INSTALLATION EASE**

The integral, one-piece, construction of Central's 'O' ring union features nylon which is molded and bonded on, completely enclosing the flange and flat face. This design uses a return of nylon on the internal surface, which gives additional protection against shorts caused by bridging of foreign materials.

The molded nylon is a nonbrittle type which will withstand great impact and shock loads without fracturing. Chemically, this special nylon is unaffected by petroleum oils, greases, gas, brine, H<sub>2</sub>S, water, air, ammonia and crude, even at temperatures as high as 250° F. Also the dielectric strength goes far beyond the toughest requirements.

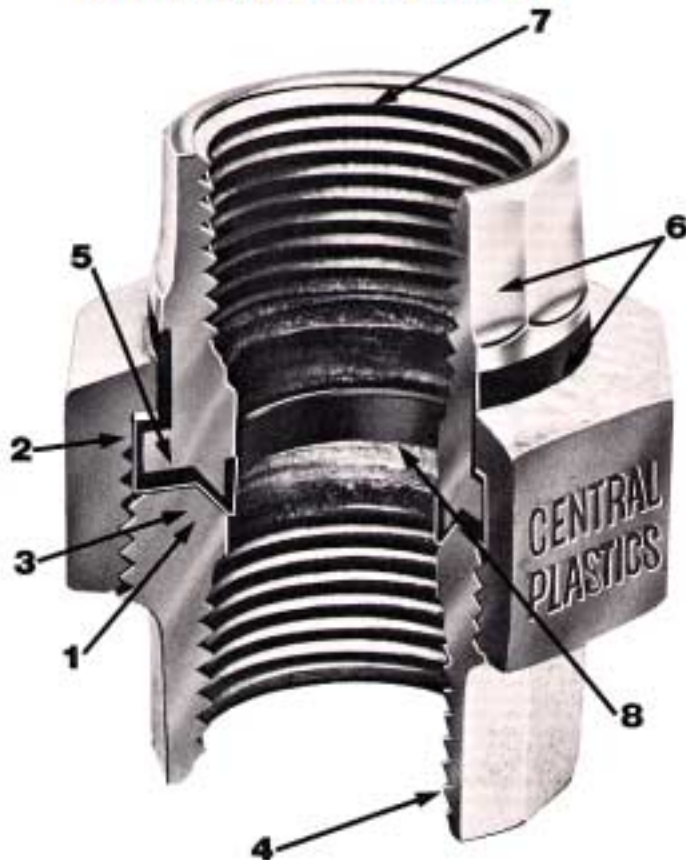
### SIZES AVAILABLE:

150-175 LB. ½", ¾", 1", 1¼", 1½", 2".



**INSULATED PRODUCTS  
FOR CATHODIC PROTECTION**

**MILLIONS IN SERVICE**



## **GROUND JOINT INSULATING UNIONS**

**3,000 LB.  
WORKING PRESSURE**

**STOPS GALVANIC AND ELECTROLYTIC  
CORROSION OF MAINS AND SERVICES.  
PERMANENT, ECONOMICAL  
PROTECTION.**

**PROTECTS AGAINST STRAY  
OR INDUCED CURRENTS.**

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 Steel 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 — *Integral 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* — nonbrittle 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. Central'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.

**Complies with ASTM A-105**

**FEMALE x FEMALE IRON PIPE SIZES AVAILABLE:**

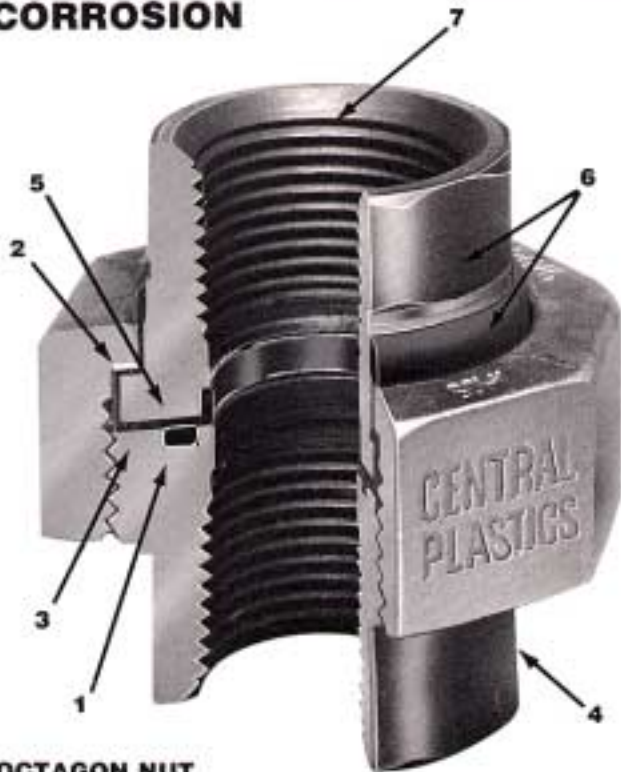
1/4", 3/8", 1/2", 3/4", 1", 1 1/4", 1 1/2", 2".

**THE FINEST INSULATING UNION EVER DESIGNED!**

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**INSULATED PRODUCTS FOR PROTECTION AGAINST GALVANIC AND ELECTROLYTIC CORROSION**



**OCTAGON NUT**



**HANDLE BAR NUT**

# 'O' RING INSULATING UNIONS

**FLAT FACED TYPE  
3,000 LB.  
WORKING PRESSURE**

**MILLIONS IN SERVICE**

**ECONOMICAL . . .  
PERMANENT . . .  
REUSABLE!**

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OR INDUCED CURRENTS**

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**SIZES AVAILABLE:**

½", ¾", 1", 1¼", 1½", 2", 2½", 3"

CP007GCP

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