

Product Datasheet: Steel Insulating Unions

3000# FORGED STEEL 'O' RING STYLE

Flat faced type, 3000 psi working pressure

Complies with:

- ASTM A105 material specification and ANSI B1.20.1
- ANSI/ASME B16.3 Malleable Iron Threaded Fittings
- MSS SP-83 Class 3000 Steel Pipe Unions Socket Welded and Threaded

Insulating unions are generally installed above ground to provide electrical isolation for well heads, regulator stations, processing plants, gauge lines, fuel supply lines, water lines, and other pipeline applications.

Insulating unions are available for high and low pressure applications and comprise two flanged bodies, one of which is screwed onto the end of each of the pipes to be joined, one flanged end is externally threaded and the joint is completed by a nut which is isolated from one of the flanged ends through the use of dielectric materials.

An 'O'-ring or gasket may be located between the two mating faces.

Thread type: NPT (National Pipeline Thread)

O Rings: 70 Durometer Buna-N (Nitrile) or Neoprene per ASTM D2000.

Insulator: Nylon Type 66 (modified): 0.020" Minimum thickness



3000# FORGED STEEL "O" RING STYLE UNIONS		
Size (NPT)	Part Number	Wt.
1/2"	AE108505010000	0.33 kg
3/4"	AE108757510000	0.51 kg
1"	AE108010110000	0.74 kg
1-1/4"	AE108121210000	1.14 kg
1-1/2"	AE108151510000	1.55 kg
2"	AE108020210000	2.45 kg
2-1/2"	AE108252510000	4.40 kg
3"	AE108030310000	6.15 kg

Max Working Temperature: 122°C (250°F)

Min Working Temperature: -40°C (-40°F)

Design Dielectric Strength: 2500V

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