



# SUBMITTAL 4101-4102 TRANSITION COUPLING CAST IRON TO COPPER JOINTS

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## Certifications & Standards:

Tested & Certified to ASTM C 1460  
 Tested & Certified to ASTM C 564  
 IAPMO FILE # 5794

**100% Made in USA**

## Material Specifications:

**Clamp:** Type 304 AISI stainless steel

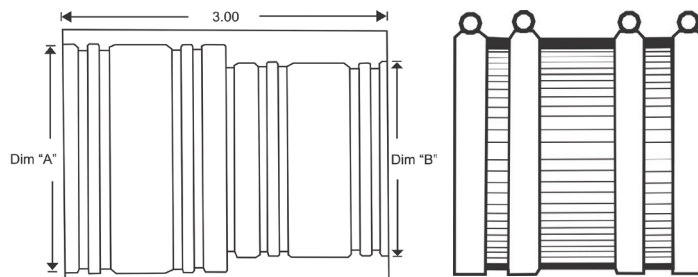
**Screw:** Type 305 AISI stainless steel 3/8" hex head/shoulder

**Shield:** Type 304 AISI stainless steel, corrugated. Shield thickness .015

**Gasket:** The gasket shall be manufactured from a properly vulcanized virgin compound in which the primary elastomer is polychloroprene (neoprene) conforming to ASTM C 564

The Husky SD 4101 & 4102 is a heavy-duty all stainless steel transition coupling to connect cast iron Hubless pipe and fittings to Copper pipe. This has been accomplished by manufacturing our coupling with a heavy duty corrugated shield of sufficient width to accommodate additional surface-bearing sealing clamps.

The couplings consist of a 3" wide corrugated 304 stainless steel shield in conjunction with four stainless steel clamps mounted in a series, secured in place by means of a fixed and "floating" eyelet to allow the clamp "travel" during tightening. Couplings are designed to be installed with a pre-set torque wrench calibrated at 80 inch pounds, to accommodate the stainless steel 3/8" Hex Head/Shoulder screw.



Application Data		
Model	Dim "A"	Dim "B"
4101	2" CI	1.5" Copper
4102	2" CI	2" Copper

Test	Gasket Physical Tests Min. or Max Requirements	ASTM Method
Tensile Strength	1500 psi min.	D 412
Elongation	250 min.	D 412
Durometer [Shore A]	70 +/- 5 @ 76° F +/- 5°F.	D 2240
Accelerated Aging	15% max. tensile and 20% max. elongation deterioration, 10 points max. increase in hardness, all determination after oven aging for 96 hours at 158°F	D 573
Compression Set	15% max. after 22 hours at 158°F	D 395 method B
Oil Immersion	80% max. volume change after immersion in ASTM oil no. 3 for 70 hours at 212°F	D471
Ozone Cracking	No visible cracking at 2 times magnification of the gasket after 100 hours exposure in 1.5ppm ozone concentration at 100°F. Testing and inspection to be on gasket which is loop mounted to give approximately 20% elongation of outer surface.	D 1149
Tear Resistance	150Lbs. Minimum per inch of thickness	D 624
Water Absorption	20% max by weight after 7 days at 158°	D 471