



## Super-Duty Couplings



Project

Architect

Contractor

Engineer

Date

### Material Specifications

**Clamps:** Type 304 AISI stainless steel. 4 clamps on sizes 1-1/2"–4', 6 clamps on sizes 5"–15"

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

**Shield:** Type 304 AISI stainless steel corrugated. Shield thickness 0.015"

**Gasket:** Genuine neoprene as the primary elastomer, conforming to ASTM C564. Oil immersion test: 80% maximum volume change after immersion in ASTM oil No. 3 for 70 hours at 212°F

### Suggested Specification

No-hub couplings shall be of the super-duty variety, with shields and bands made of 304 stainless steel, and gaskets made of genuine neoprene as the sole elastomer. 1-1/2" through 4" couplings shall have a minimum of four clamps, and 5" through 15" couplings shall have a minimum of 6 clamps. Couplings shall be installed in conformance with the manufacturer's installation instructions and local code requirements.

Meets ASTM C1540, ASTM C564, FM 1680 Class 1, CSA B 602. IAMPO File No. 6726

### Husky SD-4000 Couplings

The **HUSKY** SD-4000 coupling has been engineered to provide an all stainless steel coupling designed to provide superior sealing while accommodating potential dimensional disparities in the mating of cast iron no-hub pipe and fittings. This has been accomplished through the use of a super-duty corrugated shield of sufficient width to accommodate additional surface-bearing sealing clamps, torqued to 80in-lbs. These additional clamps result in more uniformly rigid joint, with the load supported at both the outer edge of the coupling and the centerline of the joint. These clamps also yield increased surface-bearing contact, thereby inhibiting joint movement at higher internal pressures.



**HUSKY SD-4000  
SUPER-Duty Coupling**

- ➔ Meets ASTM C 1540, ASTM C 564,  
FM 1680 Class 1, CSA B 602
- ➔ IAPMO File No. 6726
- ➔ Made in USA



**Gasket Test**

Performance Test	Physical Tests Min. or Max. Requirements	ASTM Method
Tensile Strength	1500psi min.	D412
Elongation	250 min.	D412
Durometer (Shore A)	70 +/- 5 @ 76° +/- 5° F	D2240
Accelerated Aging	15% maximum tensile and 20% maximum elongation deterioration, 10 points maximum increase in hardness, all determinations after oven aging for 96hrs at 158°F.	D573
Compression Set	25% maximum after 22 hrs at 158°F	D395 Method B
Oil Immersion	80% maximum volume change after immersion in IRM 903 for 70hrs at 212°F	D471
Ozone Cracking	No visible cracking at 2x magnification of the gasket after 100hrs exposure in 1.5ppm ozone concentration at 100°F. Testing and inspection to be on gasket which is loop mounted to give approximately 25% elongation of outer surface.	D1149
Tear Resistance	150lbs. minimum per inch of thickness	D624
Water Absorption	20% maximum by weight after 7 days at 158°F	D471

**Bracing**

Horizontal pipe and fittings 5" and larger must be suitably braced to prevent horizontal movement. This must be done at every branch opening or change of direction by the use of braces, blocks, rodding, or other suitable method, to prevent movement or joint separation (Ch IV, Handbook, Cast Iron Soil Pipe Institute.)

