

# SPECIFICATION SUBMITTAL SHEET

j o n e s   s t e p h e n s   c o r p o r a t i o n

## NO HUB COUPLINGS



PART NO.	SIZE
U95-001	1 1/2"
U95-002	2"
U95-003	3"
U95-004	4"
U95-005	5"
U95-006	6"
U95-008	8"
U95-010	10"
<b>REDUCING SIZES</b>	
U95-211	2" x 1 1/2"
U95-320	3" x 2"
U95-430	4" x 3"

### MATERIAL SPECIFICATIONS:

**BAND** - Type 301 AISI Stainless Steel - Minimum Tensile 165,000 PSI for 1 1/2" to 15"; Type 304 AISI Stainless Steel is permitted; Type 304 AISI Stainless Steel - Minimum Tensile 140,000 PSI.

**SCREW HOUSING** - Type 301 AISI Stainless Steel for 1 1/2" to 15"; Type 304 AISI Stainless Steel is permitted.

**SCREW** - Type 305 AISI Stainless Steel - 5/16 Hex Head / Shoulder for 1 1/2" - 10"; 3/8 Hex Head / Shoulder for 12" and 15" is required for couplings which require installed torque greater than 60 inch-pounds.

**SHIELD** - Type 301 AISI Stainless Steel - Bright Annealed only. (Annealed & Pickled Not Acceptable). Hardness - Rockwell B-85 Max.-(Max. burr height not to exceed 25% of thickness) for Type 301 AISI Stainless Steel- Rockwell B-95 Max. - (Max. burr height not to exceed 25% of thickness) for Type 304 AISI Stainless Steel.

### **Rubber Sleeve Physical Requirements**

**MATERIAL:** The sealing sleeve shall be made from an elastomeric compound that meets the requirements of ASTM C564.

**PHYSICAL TESTS:** The test specimens shall be obtained from finished sleeves and tested pursuant to the methods described in the following table.

TEST	PHYSICAL TESTS MIN. OR MAX. REQUIREMENTS	ASTM METHOD
Tesile Strength	1500 psi min.	D412
Elongation	250 min.	D412
Durometer	70±5@76°F±5°F	D2240
Accelerated Aging	15% max. tensile and 20% max. elongation deterioration, 10 points max. increase in hardness, all determinations after oven aging for 96 hours at 158°F	D573
Compression Set	25% max. after 22 hours at 158°F	D395 Method B
Oil Immersion	80% max. volume change after immersion in ASTM oil no. 3 to 70 hours at 212°F	D471
Ozone Cracking	No visible cracking at 2 times magnification of the gasket after 100 hours exposure in 1.5 ppm ozone concentration at 100°F. Testing and inspection to be on gasket which is loop mounted to give approximately 20% elongation of outer surface.	D1149
Tear Resistance	Die C: 150 lbs. min. per inch of thickness.	D624
Water Absorption	20% max. by weight after 7 days at 158°F.	D471