

HeavyWeight Couplings



For heavy-duty installations requiring more than a standard No Hub coupling.

Features

More Effective Joint Movement Restraint - Stainless steel strap bands are 12.5% thicker than on traditional no hub couplings providing a positive seal when properly torqued to 80 in./lbs.

Stronger, More Uniform Sealing Capacity - Axially slotted clamp bands tighten independently to accommodate most any variances in outside diameters of cast iron pipe and fittings being joined

Greater Surface Load Bearing - Wider series 304 stainless steel shield accommodates additional sealing clamps to provide for greater load bearing contact

1½" - 4" sizes: Four stainless steel bands
5" - 15" sizes: Six stainless steel bands

Higher Resistance to Shear Forces - Rugged construction, excellent sealing properties and the arrangement of intermittent corrugations in the outer stainless steel band provide resistance to shear forces and help alignment while maintaining flexibility

Corrosion Resistant - Series 304 stainless steel combined with significant deflection factor makes this coupling highly dependable above and below ground

Safe and Easy to Install - Flanged gasket helps maintain alignment during installation and tapered ends on shield reduce friction and prevent injury from sharp edges

Versatile - Internal profile of elastomeric sleeve against intermittent corrugation suits specific performance application of non-potable waste systems

Test	Gasket Physical Tests (ASTM C564)	ASTM C564
Tensile Strength	1500 PSI min.	D412
Elongation	250%	D412
Durometer (Shore A)	70±5	D2240
Accelerated Aging	15% max. tensile and 20% max. elongation deterioration. 10 pts. max. increase in hardness. All determinations after oven aging for 96 hrs. at 158°F	D573
Compression Set	15% max. after 22 hrs. at 158°F	D395
Oil Immersion	80% max. volume change after immersion in IRM oil #3 for 70 hrs. at 212°F	D471
Ozone Cracking	No visible cracking at 2X magnification of the gasket after 100 hrs. exposure in 1.5 PPM ozone concentration at 100°F testing and inspection to be on gasket which is loop-mounted to give approx. 20% elongation of outer surface.	
Tear Resistance	Die C 150 lbs. max./inch of thickness	D624
Water Absorption	20% max. by weight after 7 days at 158°F	D471

Gasket Dimensions		Part Number	Pipe Size	Dimensions Width (Inches)
D	W			
1½"	3.0	C 150 HW	1½"	3.000
2"	3.0	C 200 HW	2"	3.000
3"	3.0	C 215 HW	2" x 1½"	3.000
4"	3.0	C 300 HW	3"	3.000
5"	4.0	C 320 HW	3" x 2"	3.000
6"	4.0	C 400 HW	4"	3.000
8"	4.0	C 430 HW	4" x 3"	3.000
10"	4.0	C 500 HW	5"	4.000
12"	5.5	C 600 HW	6"	4.000
15"	5.5	C 800 HW	8"	4.000
		C 1000 HW	10"	4.000
		C 1200 HW	12"	5.500
		C 1500 HW	15"	5.500

Specifications

- Multiple bands attached to heavy duty, corrugated series 304 stainless steel shield meet or exceed **ASTM A240**
- Sealing rings on flanged neoprene rubber gasket meet or exceed the requirements of **ASTM C564**
- Axially slotted heavy duty worm drive clamps tightened to 80 in./lbs. of torque
- FM 1680 compliant
- **ASTM C1540** approved