



Every standard no-hub coupling we make is proof we're sticklers for quality.

Now, with NSF certification of CISPI 310 compliance, we've also got the sticker that makes it easier for everyone to see.

Most plumbing professionals know Tyler Pipe is dedicated to high quality. But even though we set most of the existing product and performance standards others copy, it's been hard to see that fact with your eyes. Not any more. Now just look for the NSF sticker on every Tyler® no-hub coupling. It's your assurance each product characteristic meets the CISPI 310 standard. High-purity neoprene gaskets. 300 series stainless steel shields, bands and screws. Proven resistant to oils, chemicals and solvents. Designed for easy installation on a wide range of pipe dimensions. Tested to endure elevated temperatures, pressures, stresses and strains while maintaining the long-term integrity of your structure's drain, waste and vent solution. They're also approved for use in fire-resistant assemblies. The perfect complement to our NSF-certified pipe and fittings, Tyler standard no-hub couplings are part of a complete system no one can question. Anything less...is less.

DESCRIPTION:

Tyler Pipe standard no-hub couplings are manufactured in accordance with CISPI 310 and are designed to join cast-iron pipe and fittings in drains, waste and vent applications. Each coupling includes two components: a molded, one-piece neoprene sealing sleeve and a 300 series ANSI stainless steel shield/clamp assembly featuring compression bands over our trademark diamond-corrugation shield pattern. No-hub couplings are available in sizes from 1½" to 15" in diameter.



NSF CERTIFICATION

The National Sanitary Foundation (NSF) International is the world's most respected inspection and certification organization serving the plumbing supplies industry. With this third-party certification, you can rest assured that the materials and construction of Tyler Pipe no-hub couplings meet or exceed the relevant standards you require for your DWV system. Non-certified couplings cannot provide this guarantee. Always insist on NSF certification.



SUGGESTED SPECIFICATION

No-hub cast-iron soil pipe and fittings shall be joined with Tyler Pipe NSF-certified couplings that conform to the CISPI 310 standard. Couplings will be installed according to the installation instructions of the manufacturer. All pipe and fittings on which couplings are installed shall bear the registered trademark Φ signifying they comply with the Cast Iron Soil Pipe Institute Standard 301.

NEOPRENE SEALING SLEEVE

Tyler Pipe standard-coupling sealing sleeves conform to ASTM standard C 564 and are made of high-purity neoprene. This material delivers superior resistance to decay and deterioration from contact with effluents in the pipe, chemicals in the soil, or air around the pipe – including oil and other petroleum products. Also, neoprene can withstand high liquid temperatures up to 212°; is fire resistant, and does not support flame. Each sleeve features a double row of raised, sealing rings positioned under each compression band to provide multiple, sealing surfaces on either side of the connection. This ensures a permanent, leak-proof joint that can reliably accommodate minor, pipe-mating diameter variations.

SHIELD AND CLAMP ASSEMBLY

Tyler® couplings incorporate a shield and clamp assembly fabricated from 300 series stainless steel for maximum corrosion resistance.

Clamping bands are mounted and attached to the shield by a fixed and floating eyelet system that allows for variable adjustment of each clamp during tightening. Our shield's patented diamond-pattern corrugation design locks the sealing sleeve under the shield and prevents slippage or extrusion – even under elevated internal pressure or external stress. The clamp bands on 1 ½"-10" diameter couplings require 60 in-lbs of torque. 12"-15" diameter couplings require 80 in-lbs of torque.

MATERIAL SPECIFICATION	
Bands	300 Series AISI Stainless Steel
Screw Housing	300 Series AISI Stainless Steel 5/16" hex head slant shoulder
Shield	300 Series AISI Stainless Steel
Sealing Sleeve	Neoprene elastomer compound conforms to ASTM C 564

BRACING

Horizontal pipe and fittings 5" and larger should be suitably braced using blocks, rodding or other methods at each branch or change in direction.

JOINT CHARACTERISTICS

A superior gasket joint is produced with a Tyler Pipe standard no-hub coupling. It is designed not to leak, even when subjected to vibration, seismic tremors, expansion, contraction, deflection by as much as 5 degrees, or external and internal test pressure.

QUALITY CONTROL AND DOCUMENTATION

Tyler Pipe's internal quality control processes include daily performance testing to verify conformance of all components to established standards. In addition, NSF periodically tests, inspects and audits Tyler Pipe's manufacturing facility. Certificates and reports validating all claims contained in this Submittal will be supplied upon written request.

PHYSICAL PROPERTIES		
Property	Value	ASTM Test Method
Tensile Strength	1500 psi. minimum	D 412
Elongation of Break	250%, minimum	D 412
Hardness, Durometer (A)	70 ± 5 at 76° ± 5° F	D 2240
Tear Resistance	150 lbs. per inch, min.	D 624 (Die C)
Water Absorption (Wt. change, 25% maximum 7 days at 185° F)	20% maximum	D 471
Resistance to Heat Aging (Change in original properties after 96 hrs. at 158° F)		D 573
Hardness	10 points, maximum	
Elongation	20% maximum	
Tensile Strength	15% maximum	
Resistance to Oil Aging (Change in volume after 70 hrs. Immersion in ASTM No. 3 oil at 212° F)	80% maximum	D 471
Resistance to Ozone (Condition after exposure to 1.5 ppm ozone in air for 100 hrs. at 100° F – Loop-mounted sample at 20% elongation)	No Cracks at 2x Magnification	D 1149
Resistance to Permanent Set (Compression set after 22 hrs. at 185° F)	25% maximum	D 395 (Method B)



Complete System...Complete Confidence

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