



PIPE & COUPLING

SUBMITTAL TYLER® STANDARD NO-HUB COUPLINGS

Tyler Pipe/Soil Pipe Division • 11910 CR 492 • Tyler, TX 75706 • (800) 527-8478

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 drain, waste and vent applications. Each coupling includes two components: a molded, one-piece neoprene sealing sleeve and a 300 series AISI 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.

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.

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 / ASTM C1277 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  signifying they comply with the Cast Iron Soil Pipe Institute Standard 301.



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

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 1½"-10" diameter couplings require 60 in-lbs of torque. 12"-15" diameter couplings require 80 in-lbs of torque.

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, 20% maximum 7 days at 158° 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 oil IMR903 at 212° F)	80% maximum	D 471
Resistance to Ozone (Condition after exposure to 1.0 pphm ozone in air for 100° F - Loop-mounted sample approximately or 20% elongation)	No Cracks at 2x Magnification	D 1149
Resistance to Permanent Set (Compression set after 22 hrs. at 158° F)	25% maximum	D 395 (Method B)



1 1/2" - 4"



5" - 10"



12" & 15"

NO-HUB COUPLING ASSEMBLY

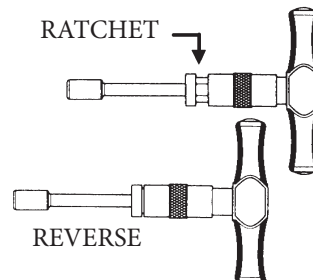
Part No.	Size & Description	Carton Quantity	Pallet Quantity
006206	1 1/2	100	3600
006213	2x1 1/2	100	3600
006220	2	100	3600
006237	3x2	100	2400
006244	3	100	2400
006251	4x3	60	1440
006268	4	100	1600
006275	5	20	480
006282	6	25	450
006299	8	10	200
006305	10	10	120
376569	12*	2	48
376576	15*	2	48

***ANACO Couplings**

TORQUE WRENCH 60-inch Pounds

Part No.

006558



"Tyler Pipe Company strongly recommends that its hubless cast iron pipe and fittings be joined with shielded couplings manufactured in accordance with CISPI 310. The use of unshielded couplings or any coupling not meeting the above specifications will void the product warranty"