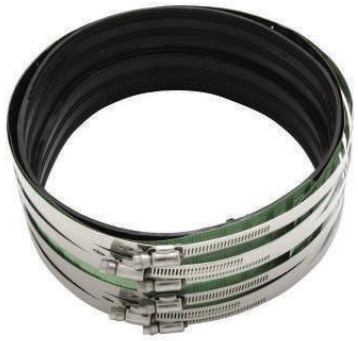
Specifications

PFNHHHDCJ
Super Heavy-Duty No-Hub Couplings

Product Features

· PROFLO Super Heavy-Duty No-Hub Couplings are engineered to replace the less efficient hub and spigot connection and are designed to be used where structural reinforcement and higher sealing pressures are required.
*The Super Heavy-Duty No-Hub Couplings have a wider footprint on the joint, allowing an increased number of higher torque capacity clamps to add structural rigidity and enhanced sealing pressure capabilities for applications requiring higher safety margins against leakage. The coupling consists of an elastomeric gasket, housed inside a stainless steel bi-directional corrugated shield and clamped with heavy-duty stainless steel clamps.
· Temperature range: -30°F to 220°F
· Corrosion resistant
· Designed for both above and below grade installation



PFNHHHDCX

Optional accessories: RAPTOR® torque wrench RAP18552

Certifications

Coupling Meets ASTM C1540	IAPMO Listed File # 3198	Meets FM 1680 Class 1-15 PSI Meets Sealing Requirements Independent Lab Certified
Gasket Meets ASTM C564	Meets CSA B602	

Factory Mutual CN 1680
Commonwealth of Massachusetts CMR-248
City of New York MEA 253-98-E
CISPI 310

Available Sizes

SIZE	SKU	NO. OF CLAMPS	COUPLING WIDTH	INSTALLATION TORQUE	SCREW HEX SIZE
1-1/2"	PFNHHHDCJ	4	3"	80 inch-pounds (all sizes)	3/8" (all sizes)
2"	PFNHHHDCK				
3"	PFNHHHDCM				
4"	PFNHHHDCP				
5"	PFNHHHDCS	6	4"		
6"	PFNHHHDCU				
8"	PFNHHHDCX				
10"	PFNHHHDC10				

MATERIALS	
Clamp:	All 300 Series AISI Stainless Steel (band and screw housing)
Screw:	All 300 Series AISI Stainless Steel (3/8" Hex Head / Shoulder)
Shield:	All 300 Series AISI Stainless Steel
Rivets:	All 300 Series AISI Stainless Steel
Gasket:	Elastomeric Compound Primarily Consisting of Neoprene; Meets ALL Requirements of ASTM C564

Warranty and Codes

This PROFLO product carries a 1-year limited warranty.

Made in the USA

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Physical Testing

Below is a table of physical testing requirements that were met to ensure the quality, performance, and reliability of PROFLO Super Heavy-Duty No-Hub Couplings products.

TEST	GASKET PHYSICAL TESTING: MINIMUM OR MAXIMUM REQUIREMENTS		ASTM METHOD
Tensile Strength Elongation Durometer	Tests performed on new samples at room temperature (76°F ± 5°F)	1500 psi minimum 250% elongation before break 70 ± 5 points	D412: @ 20 in/min D412: @ 20 in/min D2240: Shore A
Tensile Strength Elongation Durometer	Heat-aged sample testing Test after heat aging for 96 hr @ 158°F (± 2°)	No greater than a 15% loss in strength No greater than a 20% loss in elongation before break No greater than a 10-point increase in hardness	D573
Compression Set	Test after heat aging for 22 hr @ 158°F (± 2°) at an induced deflection of 25%	25% maximum compression set after 30-minute recovery	D395: Method B
Oil Immersion	Test after immersion in IRM 903 oil for 70 hr (± 0.7 hr) @ 212°F (± 2°)	80% maximum allowable volume increase	D471
Ozone Cracking	Test and inspect after 100 (± 1) hours exposure in 100 pphm ozone concentration at 104°F (± 2°) while loop mounted to induce approximately 20% elongation.	No visible cracking at 2x magnification of the gasket	D1149: Method B
Tear Resistance	Pull sample cut from die C into 2 pieces	No less than 150 pounds per inch of thickness before tearing	D624: Die C Cutout
Water Absorption	Test after immersion in distilled water for 7 days @ 158°F (± 2°)	20% maximum allowable weight increase	D471

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