

**HEAVY DUTY
NO-HUB COUPLINGS
LARGE DIAMETER SERIES**



12" & 15" No-Hub



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Patented Bi-Directional Shield Design

The 0.008" thick, 304 stainless steel shield absorbs less of the sealing band load during tightening. This allows more load to be transferred to the gasket. Additionally, the shield will adjust to variations in diameters and circumferences of the pipes being joined, thereby eliminating leak paths. The patented, *bi-directional corrugations exert sealing pressure in both parallel and transverse patterns on the gasket and pipe, providing a positive, reliable seal.



POW'R-GEAR® High-Torque Clamps

POW'R-GEAR® high-torque clamps are specifically designed for tough sealing jobs. With a 5/8" wide, 0.028" thick band, they can deliver the band loads required for sealing large diameter applications. Each PROFLO™ 12" and 15" coupling employs six POW'R-GEAR® clamps.



Specially Beaded Gasket

The PROFLO™ gasket is made of elastomeric compounds that meets the requirements of ASTM C564 and features a series of strategically positioned grooves and beads. When tightened, the shield mates with these grooves and beads to exert exceptional sealing pressure and holding power on the pipe to prevent "pull out" failures.



Floating Eyelet Design

Floating eyelets fasten the clamps to the shield, allowing the clamp band and shield to move independently. This freedom prevents the shield from crimping during tightening, which can lead to leakage later on.

| Features | PROFLO Wide Body Series 12" & 15" Couplings |
|------------------------|---|
| 5/8" Clamp Band | ✓ |
| 3/8" Hex Head Screw | ✓ |
| No. of Clamps Included | 6 |
| Coupling Width | 5-1/2" |
| Shield Color | None |
| Bi-Directional Shield | ✓ |
| Beaded Gasket | ✓ |
| Floating Eyelets | ✓ |
| Shield Material | 304 SS |
| Band Material | 304 SS |
| Housing Material | 304 SS |
| Screw Material | 305 SS |
| Eyelet Material | 305 SS |
| Gasket Material | ASTM C564 Compliant |
| Installation Torque | 120 in-lbs |
| Ultimate Torque | 150 in-lbs |
| CISPI 310 Compliant | ✓ |
| ASTM C1277 Compliant | ✓ |
| ASTM C1540 Compliant | ✓ |
| IAPMO | Certified |
| Massachusetts Approval | ✓ |

PROFLO™ No-Hub Couplings are engineered to connect no-hub cast iron pipe in applications replacing the less efficient hub and spigot material. The couplings consist of a neoprene gasket (ASTM C564) housed inside a 304 stainless steel corrugated shield. Six 304 stainless steel clamps surround the shield and provide the sealing force. The 3/8" hex-head screws are made from 305 stainless steel. The couplings are designed for installation torque of 120 in.- lbs. The entire coupling is corrosion resistant.

*U.S. Patent N. 5,431,458

HEAVY DUTY NO-HUB COUPLINGS LARGE DIAMETER SERIES



PROFLO™ 12" and 15" No-Hub Couplings are constructed with high-torque POW'R-GEAR® clamps and patented bi-directional shield. These elements combine with a specially beaded gasket to deliver optimum sealing and holding power.

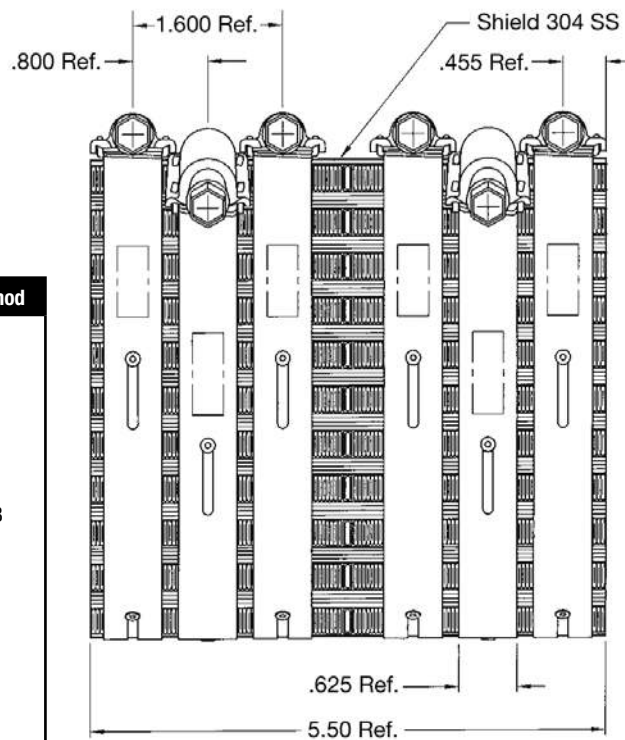
PROFLO™ 12" and 15" diameter couplings consist of a 5 1/2" wide bi-directional corrugated shield made of 304 grade stainless steel. Six high-torque POW'R-GEAR® clamps surround the shield and provide the holding power needed for large diameter applications. The specially beaded gasket mates with the clamps and shield to provide a reliable seal.

PROFLO™ 12" and 15" No-Hub Couplings

| Size | Part No. | Installation Torque (Inch-pounds) | No. of Clamps Per Coupling |
|------|----------|-----------------------------------|----------------------------|
| 12" | PFNHWC12 | 120 | 6 |
| 15" | PFNHWC15 | 120 | 6 |

Gasket Physical Test

| Test | Minimum or Maximum Requirements | ASTM Method |
|---------------------|--|-------------------|
| Tensile Strength | 1500 psi min. | D 412 |
| Elongation | 250 min. | D 412 |
| Durometer (Shore A) | 70 +/-5 @ 76° F +/-5° F | D 2240 |
| Accelerated Aging | 15% maximum tensile and 20% maximum elongation, 10 points maximum increase in hardness, all determinations after oven aging for 96 hours at 158° F | D 573 |
| Compression Set | 25% max. after 22 hours at 158° F | D 395 Method B |
| Oil Immersion | 80% max. volume change after immersion in IRM 903 for 70 hours at 212° F | D 471 |
| Ozone Cracking | No visible cracking at 2 times magnification of the gasket after 100 hours of exposure in 1.5 ppm ozone concentration at 104° F. Testing and inspection to be on gasket which is loop mounted to give approximately 20% elongation of outer surface. | D 1149 |
| Tear Resistance | 150 lbf/in. min. | D 624 |
| Water Absorption | 20% max. by weight after 7 days at 158° F | D 471 |



Materials

| | |
|--------|--|
| Clamp | Type 304 AISI stainless steel |
| Screw | Type 305 AISI stainless steel 3/8" hex-head/shoulder |
| Shield | Type 304 AISI stainless steel, corrugated. Shield thickness 0.008" |
| Gasket | Gaskets are made of an elastomeric compound that meets the requirements of ASTM C564 |

Made in the USA

