

# STANDARD NO-HUB COUPLINGS



## POLYCHLOROPRENE (NEOPRENE) GASKET

With NSF Certified couplings, you can be assured the gasket component is made out of a properly vulcanized virgin compound where the primary elastomer is polychloroprene (neoprene). Polychloroprene withstands high liquid temperatures (up to 212° F), is fire and oil resistant, and resists decay and deterioration when exposed to effluents in the pipe, air or soil.

## SPECIALLY BEADED GASKETS

The specially beaded gasket combines with the shield and clamping forces for superior sealing pressure and holding power.

## MECHANICAL INTERLOCKING CLAMP DESIGN

PROFLO™ Couplings feature a one-piece screw housing that mechanically interlocks the housing to the band. This one-piece housing design eliminates leak paths that can occur in stacked or welded clamps.

## RECTANGULAR BAND NOTCHES

With our rectangular notch design, there is a larger radius at either end of the rectangular notch, reducing the probability of stress cracking. There is also more solid band (land area) between the notches with a rectangular notch design. The greater the land area, the greater the band strength.

## 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.



## NSF CERTIFIED

NSF International is the world leader in standards development and product certification. With this certification, you'll have peace of mind that the PROFLO™ Standard Couplings are fully certified to CISPI 310 and ASTM C564. Before the NSF certification, it was difficult to verify couplings were compliant with the CISPI 310 standard. Now just look for the blue NSF mark and you'll always be in compliance.

## CISPI 310, ASTM C564 AND ASTM C1277

PROFLO™ Standard Couplings are certified by all major plumbing code bodies throughout the U.S. and Canada, and conform to the most stringent industry standards: CISPI 310, ASTM C564, and ASTM C1277.

## 300 GRADE STAINLESS STEEL COMPONENTS

Premium-grade stainless steel components provide superior corrosion resistance, reliability and durability over time in both above-ground and below-ground applications.

## TORQUE RATING

Installation (60 inch-pounds) and Ultimate (75 inch-pounds) torque ratings are engineered to provide the clamps with enough tightening capacity to ensure that ample sealing pressure reaches the joint to affect a tight, secure seal.

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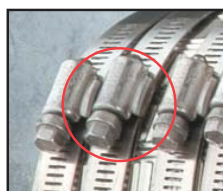
**PROFLO™ Clamps**  
1/2" and 9/16" band widths with 5/16" hex-head screw applies 60 in.-lbs. of installation torque to the band/shield assembly.



**Specially Beaded Gaskets**  
The PROFLO™ standard no-hub coupling utilizes a specially beaded gasket that combines with the shield and clamping forces for superior sealing pressure and holding power.



**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.



**Mechanical Interlocking Clamp Design**  
PROFLO™ clamps feature a one-piece screw housing that mechanically interlocks the housing to the band. This one-piece housing design eliminates leak paths that can occur in staked or welded clamps.



**Shield Design**  
The Proflo standard duty couplings utilize a "Classic" shield configuration with corrugations that run perpendicular to the clamp bands. This design allows maximum transfer of sealing pressure to the pipe surface, even when pipes of dissimilar outside diameters are being joined due to variations in wall thickness. When tightening

the hose clamps, these corrugations will fold uniformly around the circumference of the pipe. This ensures a consistent wrinkle free wrap of the of the underlying gasket against the pipe surface without any leak paths for a positive, reliable seal.

| Features                   | PROFLO Standard No-Hub Couplings                         |
|----------------------------|--|
| 1/2" Clamp Band            | 1-1/2" thru 4"   |
| 9/16" Clamp Band           | 5" thru 10"  |
| 5/16" Hex Head Screw       | ✓  |
| No. of Clamps Included     | 2 (1-1/2" thru 4")<br>4 (5" thru 10")                    |
| Coupling Width             | 1-1/2" thru 4" = 2-1/8"<br>5" & 6" = 3"<br>8" & 10" = 4" |
| Shield Color               | None   |
| Bi-Directional Shield      | Unidirectional   |
| Beaded Gasket              | ✓  |
| Floating Eyelets           | ✓  |
| Interlocked Housing Design | ✓  |
| Shield Material            | 301 SS   |
| Band Material              | 301 SS   |
| Housing Material           | 301 SS   |
| Screw Material             | 305 SS   |
| Eyelet Material            | 305 SS   |
| Gasket Material            | ASTM C564 Compliant                                      |
| Installation Torque        | 60 in-lbs  |
| Ultimate Torque            | 75 in-lbs  |
| CISPI 310 Compliant        | ✓  |
| ASTM C1277 Compliant       | ✓  |
| IAPMO                      | Certified  |
| Canadian Std Association   | Certified  |
| NSF                        | Certified 1-1/2" thru 10"<br>Excludes reducer couplings  |
| Massachusetts Approval     | ✓  |

\*U.S. Patent No. 5,431,458

# STANDARD NO-HUB COUPLINGS



**Description:** Couplings consist of gasket and shield assemblies. The shield assemblies have two to four clamps depending on the size. The clamps are fastened with eyelets to the bi-directional corrugated shield.

**Materials:** Steels used in couplings are stainless steels. Shields, bands and housings are AISI 301. Screws and eyelets are AISI 305. Gaskets are made from an elastomeric compound that meets the requirements of ASTM C564.

**Specifications:** Couplings conform to CISPI 310. Couplings comply with ASTM C564, ASTM C1277, IAPMO file #3198, Commonwealth of Massachusetts CMR-248 and City of New York MEA 253-98-E. Gaskets are made from an elastomeric compound that meets the requirements of ASTM C564.

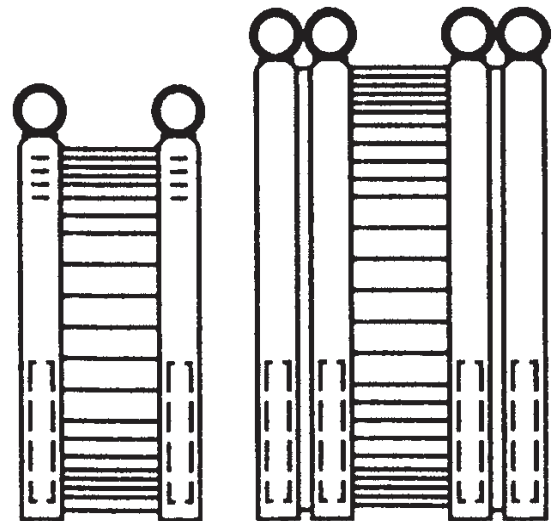
**Service temperature:** From -22 to 250 degrees F (-30 to 121C)

## PROFLO™ Standard No-Hub Couplings

| Size        | Part No.  | Installation Torque (inch-pounds) | No. of Clamps Per Coupling |
|-------------|-----------|-----------------------------------|----------------------------|
| 1-1/2"      | PFNH CJ   | 60                                | 2                          |
| 2"          | PFNH CK   | 60                                | 2                          |
| 3"          | PFNH CM   | 60                                | 2                          |
| 4"          | PFNH CP   | 60                                | 2                          |
| 5"          | PFNH CS   | 60                                | 4                          |
| 6"          | PFNH CU   | 60                                | 4                          |
| 8"          | PFNH CX   | 60                                | 4                          |
| 10"         | PFNH C10  | 60                                | 4                          |
| 2" x 1-1/2" | PFNHR CKJ | 60                                | 2                          |
| 3" x 2"     | PFNHR CMK | 60                                | 2                          |
| 4" x 3"     | PFNHR CPM | 60                                | 2                          |

| Dimensions |       |       |
|------------|-------|-------|
| Pipe Size  | Min.  | Max.  |
| 1-1/2"     | 1.50  | 2.50  |
| 2"         | 2.00  | 3.00  |
| 3"         | 3.00  | 4.00  |
| 4"         | 4.00  | 5.00  |
| 5"         | 5.30  | 6.20  |
| 6"         | 6.30  | 7.20  |
| 8"         | 8.30  | 9.20  |
| 10"        | 10.45 | 11.35 |

### Shield and Clamp Assembly



Sizes  
1-1/2" thru 4"

Tighten clamps alternately to recommended torque.

Sizes  
5" thru 10"

Tighten inside clamps first, then outside clamps.



To be used with Raptor™  
**RAP18550 Torque Wrench**

Made in Mexico

