

**PROFLO HEAVY DUTY  
NO-HUB COUPLINGS  
MD Series**



PROFLO™ Heavy-Duty  
“MD” No-Hub Coupling  
provides a cost-effective  
solution for Heavy-Duty  
Applications.



# PROFLO HEAVY DUTY NO-HUB COUPLINGS

## MD Series



### User-Friendly 5/16" Hex-Head Screw

The new 5/16" hex-head screw is designed to apply the full load of 80 in.-lbs. of installation torque to the band/shield assembly.



### Specially Beaded Gaskets

The Heavy-Duty "MD" coupling utilizes a specially beaded gasket that mates with the shield and clamping forces for superior sealing pressure and holding power. Gaskets comply with ASTM C564.



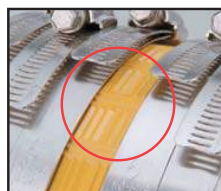
### Floating Eyelet Design

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.



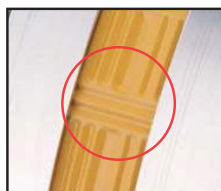
### Mechanical Interlocking Clamp Design

The sealing 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.



### Yellow Shield

The distinctive yellow shield quickly identifies the new PROFLO™ Heavy-Duty "MD" Couplings.



### Patented Bi-directional Shield Design

The unique shield design employs bi-directional corrugations for maximum transfer of pressure from the clamps to the gasket. This patented\* shield design adjusts to differences in the circumference and outside diameters of the pipes being joined. This eliminates gasket wrinkling and thereby eliminates leak paths. These bi-directional corrugations also create sealing pressure in both parallel and transverse patterns on the gasket and pipe. This works to avoid pullout failures and provides a positive, reliable seal.

Features	PROFLO Heavy Duty MD Series Couplings
9/16" Clamp Band	✓
5/16" Hex Head Screw	✓
No. of Clamps Included	4 (1-1/2" thru 4") 6 (5" thru 10")
Coupling Width	1-1/2" thru 4" = 3" 5", 6", 8" & 10" = 4"
Shield Color	Yellow
Bi-Directional Shield	✓
Beaded Gasket	8" & 10"
Offset Ribbed Gaskets	1-1/2" thru 6"
Floating Eyelets	✓
Interlocked Housing Design	✓
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	80 in-lbs
Ultimate Torque	100 in-lbs
CISPI 310 Compliant	Exceeds
ASTM C1540 Compliant	✓
Factory Mutual 1680	Compliant
IAPMO	Certified
Canadian Std Association	Certified
Massachusetts Approval	✓

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

# PROFLO HEAVY DUTY NO-HUB COUPLINGS

## MD Series



The PROFLO™ Heavy-Duty “MD” No-Hub Coupling is engineered to provide all the extra holding power of a Heavy-Duty coupling without all the extra cost. The “MD” coupling installs at 80 inch-pounds of screw torque and features the extra wide, patented, bi-directional shield and specially beaded gasket. Teamed with an additional complement of 9/16” wide clamps, they combine to exert exceptional hold on the pipe for a positive, reliable seal. And the user-friendly 5/16” hex-head screw eases installation. Look for the distinctive yellow shield to be sure you are getting the new PROFLO™ Heavy-Duty “MD” No-Hub Coupling.

**Description:** Couplings consist of gasket and shield assemblies. The shield assemblies have four or six clamps depending on 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 304. Screws and eyelets are AISI 305. Gaskets are made from an elastomeric compound that meets the requirements of ASTM C564.

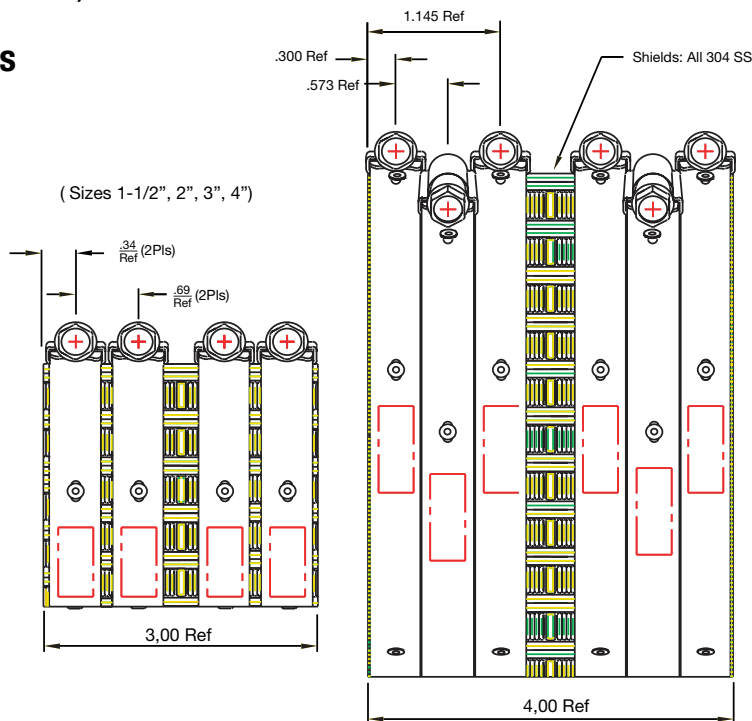
**Specifications:** Couplings conform to CISPI 310, Factory Mutual CN 1680. Couplings comply with ASTM C564, ASTM C1540, IAPMO file #3198, Commonwealth of Massachusetts CMR-248 and City of New York MEA 253-98-E. Gaskets are made from an elastomeric compound that meets the requirements of ASTM C564.

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

( Sizes 5”, 6”, 8”, 10” )

### PROFLO™ Heavy-Duty “MD” No-Hub Couplings

Size	Part No.	Installation Torque (inch-pounds)	No. of Clamps Per Coupling
1-1/2"	PFNHHMDCJ	80	4
2"	PFNHHMDCCK	80	4
3"	PFNHHMDCM	80	4
4"	PFNHHMDCP	80	4
5"	PFNHHMDCS	80	6
6"	PFNHHMDCU	80	6
8"	PFNHHMDCX	80	6
10"	PFNHHMDC10	80	6



To be used with the RAPTOR™  
**RAP18551 Torque Wrench**

Made in the USA

