

Sell Sheet

***Super Heavy-Duty
No-Hub Couplings***

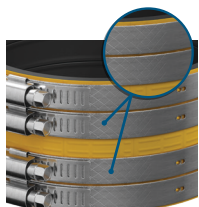


PROFLO® Super Heavy-Duty No-Hub Couplings meet the demands of the toughest applications



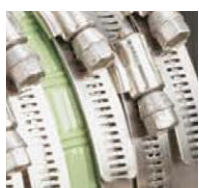
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Super Heavy-Duty No-Hub Couplings



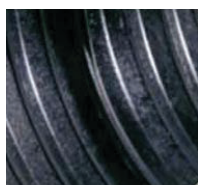
Visual Torque Indicator

No more guess work needed when using an impact to install. When the tail of the clamp falls within the cross hatched area, you know the coupling has been properly tightened.



Larger Hex Head Screw

The 3/8" hex head screw is designed to apply the full load of 80 in. lbs. of installation torque to the band/shield assembly.



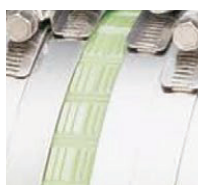
Specially Beaded Gaskets

This special gasket design enables ease of installation as it slides over pipe much easier than traditional ribbed gaskets. Gaskets comply with ASTM C564.



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 clamps. No more guess work needed when using an impact to install. When the tail of the clamp falls within the cross hatched area, you know the coupling has been properly tightened. Interlocked clamp designs provide higher torque ratings without the risk of housing separation.



Green Shield

The 0.008" thick, all 300 grade stainless steel green shield requires less band-load to transfer pressure to the gasket, leaving more clamping load in reserve to compress the gasket. The bidirectional corrugations create clamp sealing pressure in both parallel and transverse directions on the gasket and pipe, thereby avoiding pull-out failures, and providing a positive, reliable seal.

Features	PROFLO Super Heavy-Duty No-Hub Couplings Series
9/16" Clamp Band	Yes
3/8" Hex Head Screw	Yes
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	Green
Bidirectional Shield	Yes
Beaded Gasket	8" & 10"
Offset Ribbed Gaskets	1-1/2" – 6"
Floating Eyelets	Yes
Shield Material	304 SS
Band Material	301 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	Yes
Factory Mutual 1680	Compliant
IAPMO	Certified
Canadian Std Association	Certified
Massachusetts Approval	Yes

MADE IN THE
USA

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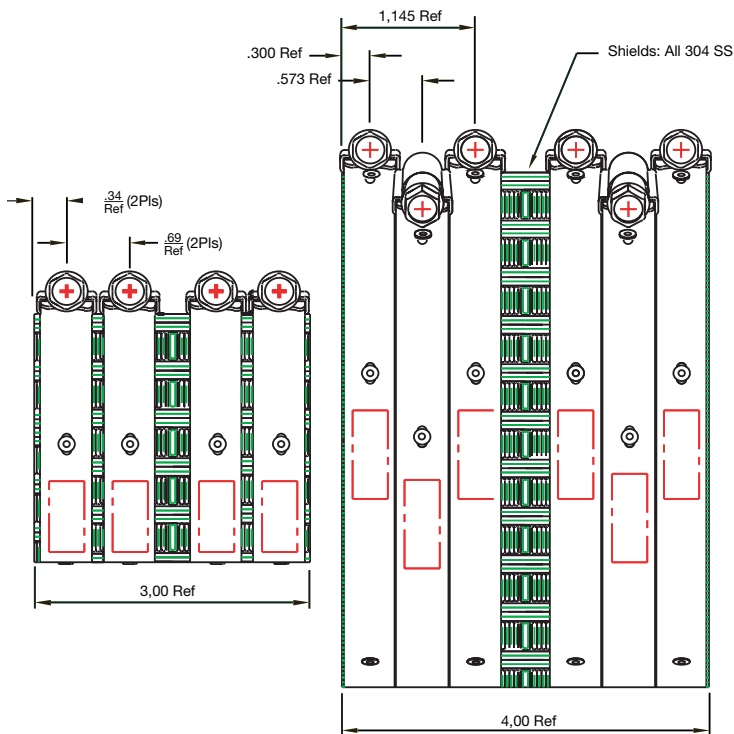
The PROFLO Super Heavy-Duty No-Hub Coupling installs with 80 in-lbs of screw torque and boasts an ultimate torque rating exceeding 100 in-lbs. Its patented, extra wide bidirectional shield is now constructed with a heavier gauge stainless steel. The mechanically interlocked 9/16" wide clamps have also been "beefed up" with a heavier gauge stainless steel and a 3/8" hex head screw. These changes, teamed with a specially beaded gasket, enable our Super Heavy-Duty Coupling to exert exceptional hold on the pipe for a positive reliable seal.

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 bidirectional corrugated shield.

Materials: Steels used in couplings are stainless steels. Shields, bands and housings are 300 Series AISI Stainless Steel. Screws and eyelets are AISI 300. Gaskets are made from an elastomeric neoprene compound that meets the requirements of ASTM C564.

Specifications: Coupling complies with CISPI 310, ASTM C564, ASTM 1540, IAPMO file #3198; Commonwealth of Massachusetts CMR-248 and City of New York MEA 253-98-E; meets Factory Mutual CN 1680.

Service Temperature: Temperature range: -30°F – 220°F



Sizes
1-1/2" – 4"

Sizes
5" – 10"



Optional: RAPTOR® torque
wrench (**RAP18550**)

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Super Heavy-Duty No-Hub Couplings



PROFLO Super Heavy-Duty No-Hub Couplings Series

Size	Part No.	No. of Clamps	Coupling Width	Installation Torque	Screw Hex Size
1-1/2" HD GRN	PFNHHHDCJ	4	3"	80 in-lbs	3/8"
2" HD GRN	PFNHHHDCK				
3" HD GRN	PFNHHHDCM				
4" HD GRN	PFNHHHDCP				
5" HD GRN	PFNHHHDCS	6	4"		
6" HD GRN	PFNHHHDCU				
8" HD GRN	PFNHHHDCX				
10" HD GRN	PFNHHHDC10				

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