

IDEAL® 12" and 15" No-Hub Couplings
provide superior performance.



IDEAL® 12" and 15" No-Hub Couplings are constructed with our 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.

Your reputation is safe and the job is secure when you choose IDEAL® No-Hub Couplings.

IDEAL • 3200 Parker Drive • St. Augustine, FL 32084-0897
Telephone: 904-829-1000 • Fax: 904-825-1121 • www.idealclamps.com

A Tomkins Company



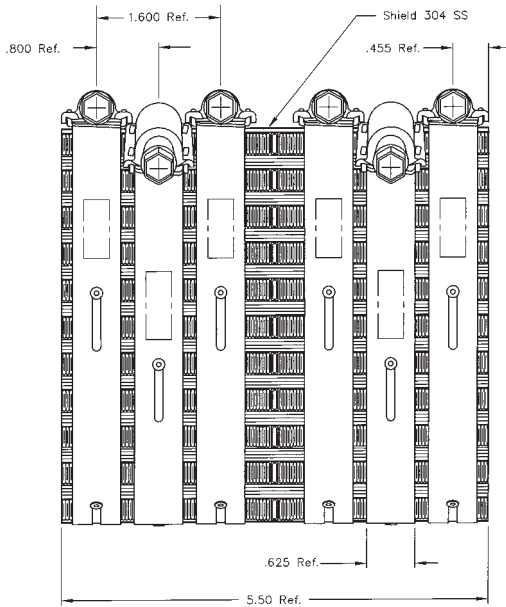
©2007 IDEAL • Printed in U.S.A.

FOR MORE INFORMATION CALL 800-221-0100
OR VISIT WWW.IDEALCLAMPS.COM/NO-HUB

IDEAL® 12" and 15" No-Hub Couplings

Size	Part No.	Installation Torque (inch-pounds)	No. of Clamps Per Coupling
12"	6231M8G	120	6
15"	6232M8G	120	6

IDEAL® patented 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.



IDEAL® 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.

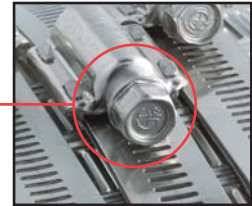
Patented Bi-Directional Shield Design

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.



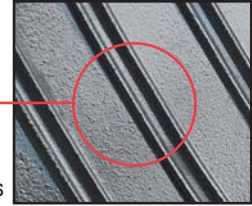
POW'R-GEAR® High-Torque Clamps

IDEAL® 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 IDEAL® 12" and 15" coupling employs six POW'R-GEAR® clamps.



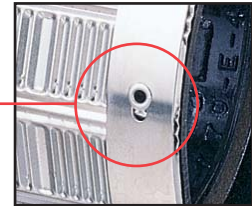
Specially Beaded Gasket

The IDEAL® gasket is made of an elastomeric compound 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.



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

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.

Form No. 32280 02



A Tomkins Company

