



The Foundry  
of the Future  
Since 1906

# SUBMITTAL

## SuperGrip 2002

SuperGrip 2002 is manufactured by Anaco for AB&I Foundry,  
and meets ASTM C-1540 standard specifications for Heavy Duty shielded couplings

# SuperGrip! 2002



**Meets  
requirements of  
Factory Mutual  
1680.**

Coupling engineered to connect no-hub cast iron pipe in applications replacing the less-efficient hub & spigot material. Coupling consists of a patented neoprene gasket (ASTM C-564) housed inside a 304 stainless steel corrugated shield. Four or six (depending on size) 304 stainless steel clamps surround the shield and provide the sealing force. Screws are made from 305 stainless steel. SuperGrip 2002 no-hub couplings are available in sizes ranging from 1-1/2" to 10". Designed to be torqued to 80 in-lbs. Entire coupling is corrosion resistant. Meets ASTM 1540 standard specification for heavy-duty shielded couplings.

### Performance Design

The SuperGrip 2002 is the most economical heavy-duty coupling available, providing better pressure performance than any other heavy duty coupling on the market today. The SuperGrip 2002 coupling was engineered by Anaco to provide superior performance at a very competitive cost.

### The Gasket

Made from high-quality neoprene (ASTM C-564), the SuperGrip 2002 gasket features multiple sealing beads located off center relative to the overlying clamp bands. These beads are approximately .040" thick and comprise about 25% of the width of the clamp head. When the clamps are tightened, they and the shield under each clamp band are caused to assume a slightly conical shape. This conical shape under each band, along with the sealing bead on the gasket, impedes the movement of the gasket and pipe, providing a secure seal.

### The Shield

.10 Type 304 stainless steel shield requires less band load to transfer pressure to the gasket, leaving more clamping load in reserve to compress the gasket.

### The Clamps

Standard 304 stainless steel clamps and 5/16" hex-head 305 screws provide the sealing force. 1-1/2" through 4" couplings use four clamps, 5" through 10" couplings use 6 clamps. Entire assembly is corrosion resistant.

---

Project

---

Architect

---

Engineer

---

Contractor

---

Date

Size	Clamp Torque	Ultimate Torque	Number Clamps
1-1/2"	80	80	4
2"	80	80	4
3"	80	80	4
4"	80	80	4
5"	80	80	6
6"	80	80	6
8"	80	80	6
10"	80	80	6

Made in USA

7825 San Leandro Street • Oakland, CA 94621 • 800/GOT-IRON • 510/632-3467 • Fax 510/632-8035



**Product Information Submittal  
For Hubless Systems**

TEST	GASKET PHYSICAL TEST MIN. OR MAX. 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 deterioration, 10 points maximum increase in hardness, all determinations after oven aging for 96 hours at 158°F.	D 573
Compression Set	15% maximum after 22 hours at 158°F.	D 395
Oil Immersion	80% maximum volume change after immersion in ASTM oil No. 3 for 70 hours at 212°F.	Method B
Ozone Cracking	No visible cracking at 2 times magnification of the gasket after 100 hours exposure in 1.5 PPM ozone concentrations at 100°F. Testing and inspection to be on gasket which is loop mounted to give approximately 20% elongation of outer surface.	D 471 D 1149
Tear Resistance	Die C; 150 lbs. minimum per inch of thickness.	D 624
Water Absorption	20% maximum by weight after 7 days at 158°F.	D 471

Pipe Size	COUPLING DIMENSIONS				GASKET DIMENSIONS	
	P	C	L	W	D	W
1-1/2"	5/8 TO 1"	6-5/8 to 6-1/2	7-1/2 +/- 1/8	3.000	1-1/2"	3.0"
2"	5/8 TO 1"	8-3/8 to 8	9 +/- 1/8	3.000	2"	3.0"
3"	5/8 TO 1"	11-5/8 to 11-1/4	12-1/4 +/- 1/8	3.000	3"	3.0"
4"	5/8 TO 1"	15 to 14-5/8	15-5/8 +/- 1/8	3.000	4"	3.0"
5"	2-1/4 to 2-1/2	17-11/16 to 17-7/16	19-15/16 +/- 3/16	3.000	5"	4.0"
6"	2-1/4 to 2-1/2	20-3/8 to 20-1/8	22-5/8 +/- 3/16	3.000	6	4.0"
8	3 +/- 1/8	26-1/32 +/- 1/8	29-1/32 +/- 3/16	3.000	8"	4.0"
10"	3 +/- 1/8	31 +/- 1/8	35-1/4 +/- 3/16	3.000	10"	4.0"

MATERIALS	
<b>Clamp:</b>	Type 304 AISI stainless steel
<b>Screw:</b>	Type 305 AISI stainless steel 5/16" hex head/shoulder
<b>Shield:</b>	Type 304 AISI stainless steel, corrugated. Shield thickness 0.010
<b>Gasket:</b>	The gasket shall be fabricated from a compound containing high quality neoprene as the sold elastomer. ASTM C-564

The SuperGrip 2002 Coupling has been engineered to provide a heavy-duty, all stainless steel coupling, balancing the desire for a more rigid joint with the need to provide a superior, positive seal which can accommodate possible disparities in the mating of No-Hub pipe and fittings. This has been accomplished by manufacturing our patented coupling with a heavy-duty corrugated shield of sufficient width to accommodate additional surface-bearing sealing clamps.

The additional sealing clamps, when torqued to 80 in-lb, offer two salient performance-related features. First, the overall dimensional thickness of the clamp and shield, in conjunction with the additional width of the coupling, result in a more uniformly rigid joint, with the load being supported at both the outer edge of the coupling and the centerline of the joint. Second, the additional sealing clamps yield increased surface-bearing contact between the coupling and the pipe or fittings, thereby inhibiting joint movement at higher internal pressures not commonly associated with DWV systems.

The 1-1/2", 2", 3" and 4" diameter couplings consist of a 3" wide corrugated 304 stainless steel shield in conjunction with four (4) stainless steel clamps mounted in a series, secured in place by means of fixed and "floating" eyelet to allow the clamp "travel" during tightening. The 5", 6", 8" and 10" couplings consist of a 4" corrugated 304 stainless steel shield and six (6) stainless steel clamps.

All SuperGrip 2002 couplings are designed to be installed with a pre-set torque wrench calibrated at 80 in-lb to accommodate the 305 stainless steel 5/16" hex head/shoulder screw.