



PVC Ring Lock series 3500 (PVCGRIP™)

Mechanical Joint 360° Ring Type Restraint System
Designed for C900 and IPS PVC Pipe
Patent #5,947,527



PVC Ring Lock series 3500 for PVC pipe

SUBMITTAL INFORMATION

PROJECT NAME:

ENGINEER:

CONTRACTOR:

SPEC. SECTION:



FEATURES & ADVANTAGES

- Unique ring design eliminates tie rods and thrust blocks while providing 360° pipe restraint, so there is no point loading on the pipe.
- No washers or spacers to remove when used on CI OD PVC pipe or IPS PVC pipe* (***transition gasket required on 12" and under IPS PVC Pipe**).
- One ring fits both CI OD PVC pipe and IPS PVC pipe used.
- Universal application for various types of PVC pipe simplifies inventory requirements and reduces carry cost.
- Double headed torque limiting bolts utilize 1¼" wrench size on both hex heads.
- Torque limiting bolts are designed with collars so that a wrench won't slip off bottom for easier installation.
- PVC Ring Lock sizes 4"-12" are listed with Underwriters Laboratories and Factory Mutual approved for use on DR18 class 235 C900 PVC pipe at 150 PSI.
- Tested to and meets the requirements of ASTM F1674 through 12" size
- Safety factor is twice (2:1) the standardized pressure rating of the pipe on which it is used.
- Offers a full 5° deflection through 12" and 3° on 16"
- For use on HDPE or C909 pipe, Please contact Star Engineering

MATERIAL SPECIFICATIONS:

- Gland and Ring: Ductile Iron per ASTM A536, Grade 65-45-12 Finish
 - ♦ Gland Finish: alkyd enamel coating

HARDWARE OPTIONS (Please check one):

Standard: T-bolts are high strength low alloy steel manufactured in accordance with ANSI/AWWA C111/A21.11-00

Optional: T-bolts and nuts alloy SS 304 per ASTM F593

Optional: T-bolts and nuts alloy SS 316 per ASTM F593

Optional: T-bolts and nuts Fluoropolymer Star-Blue coated high strength low alloy steel manufactured in accordance with ANSI/AWWA C111/A21.11-00

STAR® PIPE PRODUCTS



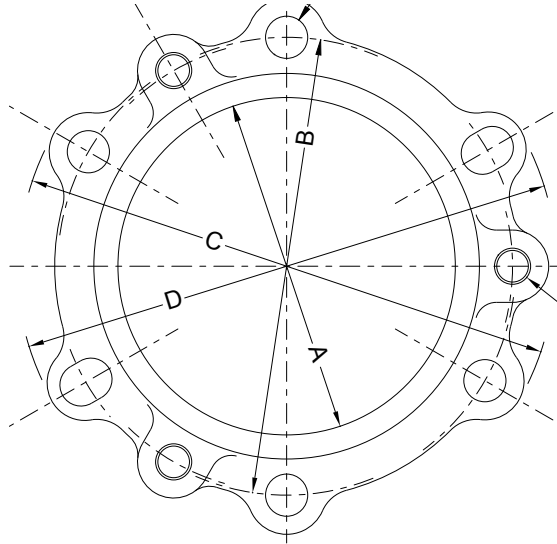
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TECHNICAL INFORMATION



STAR® PIPE PRODUCTS

Please check sizes:

PVC RING LOCK 3500 SPECIFICATIONS*									
SIZE	ANSI/AWWA C900/C905 PIPE O.D.	IPS PIPE O.D. (TRANSITION GASKET REQUIRED)	A	B	C	D	E	F	APPROX WT. (LBS)
4	4.80	4.50	4.90	7.50	9.13	9.13	4 @ .75	4 @ .75	14
6	6.90	6.63	7.00	9.50	11.13	11.75	3 @ .75	6 @ .75	16
8	9.05	8.63	9.15	11.75	13.38	14.00	4 @ .75	6 @ .75	22
10	11.10	10.75	11.20	14.00	15.63	16.75	6 @ .75	8 @ .75	31
12	13.20	12.75	13.30	16.25	17.88	19.13	8 @ .75	8 @ .75	42
16	17.40	N/A	17.54	21.00	22.50	22.50	10 @ .75	12 @ .75	73

*All dimensions in inches except where indicated.

NOM SIZE (IN.)	ANSI/AWWA C900								ASTMD2241 IPS OD		
	DR14	DR17	DR18	DR21	DR25	DR27.5	DR32.5	DR41	SDR 17	SDR 21	SDR 26
4	305	250	235	200	165	-	-	-	250	200	160
6	305	250	235	200	165	-	-	-	250	200	160
8	305	250	235	200	165	-	-	-	250	200	160
10	305	250	235	200	165	-	-	-	250	200	160
12	305	250	235	200	165	-	-	-	250	200	160
16	-	-	235	200	165	150	125	-	-	-	-

**For the ordinary water works with Transient surges only. Ratings are for PVC pipes with SERIES 3500 Restraint.