



PVC Ring Lock series 3500 (PVCGRIP™)

Mechanical Joint 360° Ring Type Restraint System
Designed for C900/C905 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





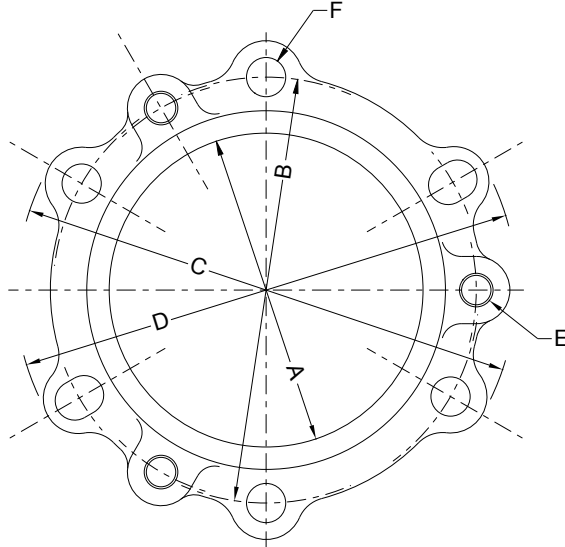
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TECHNICAL INFORMATION



STANDARDIZED PRESSURE RATINGS**					
ANSI/AWWA C900 CI OD		ANSI/AWWA C905 CI OD		ASTMD2241 IPS OD	
DR 14	305 PSI	DR 18	235 PSI	SDR 17	250 PSI
DR 18	235 PSI	DR 21	200 PSI	SDR 21	200 PSI
DR 25	165 PSI	DR 25	165 PSI	SDR 26	160 PSI
		DR 32.5	125 PSI		

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

PVC RING LOCK 3500 SPECIFICATIONS*

Please check sizes:

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.

