



32U • Series 3000 PVC Bell Joint Restraint For Pipe to Pipe Applications

For AWWA C900/905/909/IPS PVC Pipe

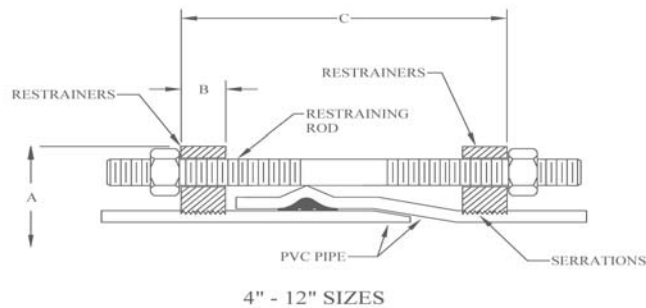
SUBMITTAL

(Current Revisions for All Standards Apply)

IPS • Series 3000 • PVC Restrainer

4 Inch thru 12 Inch Sizes

DIOD • Series 3000 • PVC Restrainer



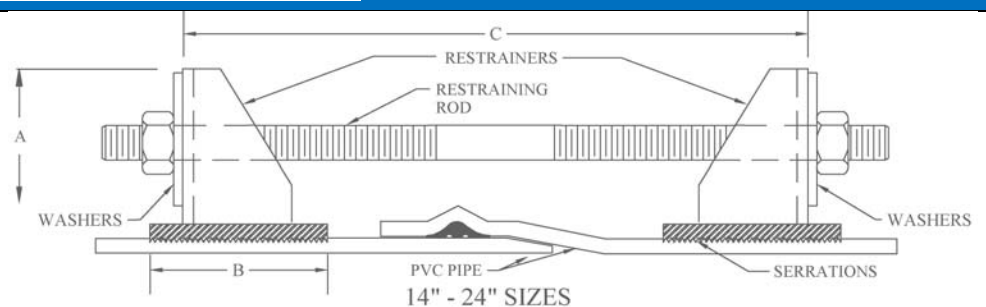
PVC • Pipe to Pipe Restrainer • Series 3000

Serrated clamp pipe harness for restraining C900/C905/C909 and IPS PVC Pipe

Nom Size	PVC Pipe w/Ductile Iron Pipe O.D.- Series 3000 DIOD		PVC Pipe w/Steel Pipe O.D.- Series 3000 IPS		A Approx	B	C Max	Restrainer Connecting Rods		Clamping Bolts and Torque in Foot Pounds			~WT LBS.
	O.D.	Part No.	O.D.	Part No.				Qty	Size	Qty	Size	Torq	
4	4.80	3000C-4-DI	4.50	3000C-4-IPS	9.12	1.12	12.0	2	3/4 x 17	4	5/8 x 3.5	100	15
6	6.90	3000C-6-DI	6.63	3000C-6-IPS	11.12	1.12	13.0	2	3/4 x 17	4	5/8 x 3.5	100	19
8	9.05	3000C-8-DI	8.63	3000C-8-IPS	14.74	1.28	15.0	2	3/4 x 17	4	3/4 x 5	150	31
10	11.10	3000C-10-DI	10.75	3000C-10-IPS	16.81	1.42	16.0	4	3/4 x 24	4	7/8 x 5	200	51
12	13.20	3000C-12-DI	12.75	3000C-12-IPS	19.45	1.42	18.0	4	3/4 x 24	4	7/8 x 5	200	55
14	15.30	3000C-14-DI	N/A	N/A	22.54	5.03	24.0	6	3/4 x 30	8	7/8 x 6.5	200	136
16	17.40	3000C-16-DI	N/A	N/A	24.66	5.03	28.0	6	3/4 x 30	8	7/8 x 6.5	200	147
18	19.50	3000C-18-DI	N/A	N/A	26.64	5.04	28.0	8	3/4 x 30	8	1 x 8	225	206
20	21.60	3000C-20-DI	N/A	N/A	28.76	5.04	34.0	8	3/4 x 36	8	1-1/8 x 8.5	250	263
24	25.80	3000C-24-DI	N/A	N/A	33.89	5.08	34.0	12	3/4 x 36	8	1-1/8 x 8.5	250	406

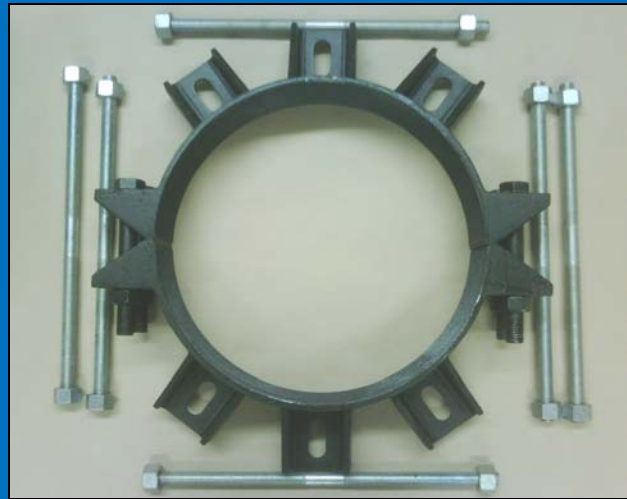
DIOD • PVC Pipe Restrainer • Series 3000 PVC Restrainer

14 Inch thru 24 Inch Sizes





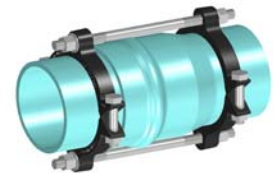
4" thru 12" Clamp Type



14" thru 24" Clamp Type



Series 3000PO (PVC Pipe to Push-On) and
Series 3000MJ (PVC Pipe to Mechanical Joint)



Series 3000 (PVC Pipe to PVC Pipe)
Series 3000PF (PVC Pipe to PVC Fitting)

FEATURES and ADVANTAGES:

- Restraints Rated at the Full Pressure Rating of any class PVC pipe with a 2:1 Safety Factor
- Available in Sizes 4" through 24" (Clamps for IPS Pipe available in 4-12 inch only)
- Full 360° Contact, No Pipe Distortion or Point loading
- To Ease Installation Restraints and Pipe can be assembled outside the Trench
- All Connecting Rods, Hex Nuts, T-Bolts consist of Low Alloy High Strength Steel and meet ANSI/AWWA C111/A21.11
- Clamping bolts are SAE Grade 5 and meet ANSI/AWWA C111/A21.11 requirements
- For easy Identification IPS or Steel Pipe O.D. clamps are Grey and DIOD or AWWA C900 clamps are Black

SAMPLE SPECIFICATIONS:

- All sizes of clamps are made of high strength 65-45-12 grade of ductile Iron in accordance with the requirements and specifications of ASTM A536. To provide full 360 degree contact with the PVC pipe bell or spigot and support the pipe wall; internal serrations are machined to exact tolerances. Serrated clamps shall be used to grip the pipe and be capable of being installed bi-directional. PVC restraint devices shall have a pressure rating of 2:1 or twice the rating of the PVC pipe on which it is installed.

ADDITIONAL INFORMATION:

- Can be installed on new or existing systems eliminating the need for thrust blocks
- Restraints will work in any type soil and are a guaranteed joint restraint
- Restraints work with push on pipe bells
- Restraints for IPS pipe sizes available for 4 thru 12 inch pipe only

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