



Pipe Restrainers series 9000

9000C Restrainers for AWWA CI OD C900/C909 PVC/PVCO Pipe and MJ or Push-On Fittings

NEW NAME; SAME GREAT PERFORMANCE

The 9000 was introduced in Canada first and has been well received. The product's better performance on AWWA C900 and C909 has resulted in this product becoming the company's new standard offering in 4" through 12". As the 1000 family is a widely recognized brand of pipe restraint, the 9000 has been renamed 1000G2. The 1000G2 is replacing the 1000C in sizes 12" and down for use on CI OD pipe.



Series 9000C for C900 PVC Pipe/C909 PVCO Pipe

SUBMITTAL INFORMATION

PROJECT NAME:

ENGINEER:

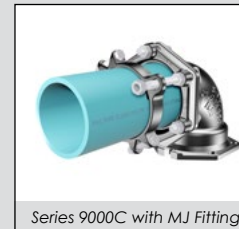
CONTRACTOR:

SPEC. SECTION:



FEATURES & ADVANTAGES

- 360° contact, no pipe distortion or point loading and supports the wall of the pipe
- Made of Ductile Iron - ASTM Grade A536, Grade 65-45-12
- Restrainers work with Mechanical Joint or Push-On Fittings.
- For use on 4" - 12" C900 PVC and C909 PVCO Pipe.
- All restrainers are machined to exact tolerances.
- The safety factor is twice (2:1) the maximum pressure rating listed on next page.
- Can be installed outside the trench, to ease installation
- Maintains full deflection on Mechanical Joint and Push-On Fittings
- T-Bolts/Hex Nuts: low alloy steel per ANSI/AWWA C111/A21.11
- Clamping Bolts: SAE J429 Grade 5
- Series 9000C is approved by Factory Mutual Research in sizes 4" - 12" for use on C900 DR18 pipe for 150 PSI.
- Standard color is Graphite Black (RAL 9011).



Series 9000C with MJ Fitting

MATERIAL SPECIFICATIONS:

- Restraint Castings: Ductile Iron per ASTM A536, Grade 65-45-12

RESTRAINT CASTINGS FINISH OPTIONS (Please check one):

- Standard: alkyd enamel coating
- Optional: Starbond™ TGIC polyester powder coating applied by an electrostatic spray process
- Optional: Other (specify) _____

HARDWARE OPTIONS (Please check one):

- Standard: T-bolts and nuts 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



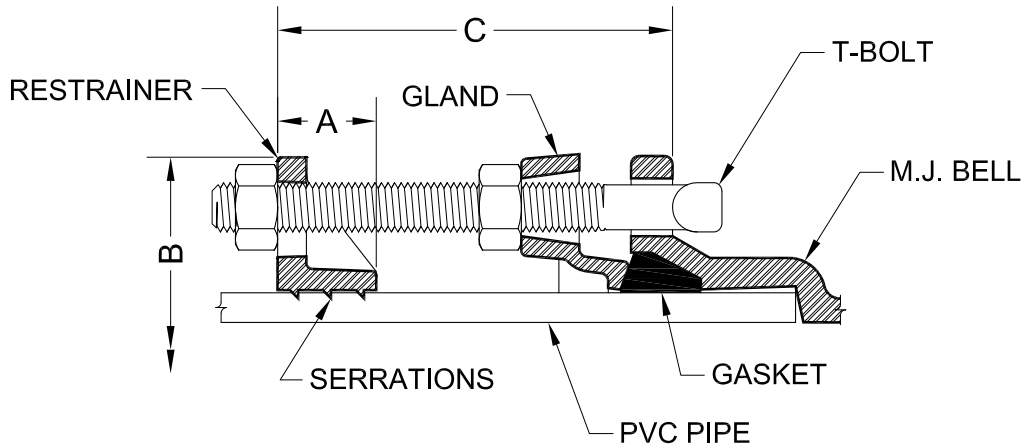
STAR® PIPE PRODUCTS



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TECHNICAL INFORMATION



4" - 12" Sizes

PIPE RESTRAINERS 9000 SPECIFICATIONS*									
NOM. SIZE	PVC PIPE WITH DUCTILE IRON PIPE O.D. STYLE 9000C	A	B APPROX.	C MAX.	RESTRAINT BOLTS (T-BOLTS)		CLAMPING BOLTS		APPROX. WT. (LBS)
	O.D.				QTY	SIZE	QTY	SIZE	
4 **	4.80	1.44	9.32	6.00	2	3/4 x 7	2	5/8 x 3 1/2	7.24
6 **	6.90	1.50	11.14	6.00	2	3/4 x 7	2	5/8 x 3 1/2	8.10
8	9.05	2.00	14.76	8.00	2	3/4 x 9	2	3/4 x 4	14.92
10	11.10	2.38	17.26	8.00	4	3/4 x 9	2	7/8 x 5	26.49
12	13.20	2.38	20.00	8.00	4	3/4 x 9	2	7/8 x 5	30.67

Please check sizes:

* All dimensions in inches except where indicated.
 ** Contact Star for price and availability.

NOM. SIZE (IN)	C900			C909
	DR14	DR18	DR25	PC 235
4	305	235	165	235
6	305	235	165	235
8	305	235	165	235
10	305	235	165	235
12	305	235	165	235

