



Pipe Restrainers series 1000G2

1000G2C Restrainers for AWWA CI OD C900/C909 PVC/PVCO Pipe with MJ or Ductile Iron Push-On Fittings (Formerly Series 9000)



Series 1000G2C for C900 PVC Pipe/C909 PVCO Pipe

SUBMITTAL INFORMATION

PROJECT NAME:

ENGINEER:

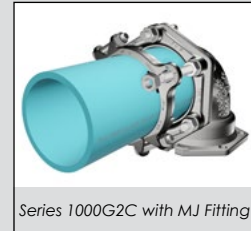
CONTRACTOR:

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 Ductile Iron 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 Ductile Iron Push-On Fittings
- T-Bolts/Hex Nuts: low alloy steel per ANSI/AWWA C111/A21.11
- Clamping Bolts: SAE J429 Grade 5
- Series 1000G2 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).
- Originally introduced as the 9000, this improved design (Gen 2) provides increased performance and is rated to the new, higher pressure classes in latest editions of AWWA C900 and C909.



Series 1000G2C 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 are alloy SS 304 per ASTM F593

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

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



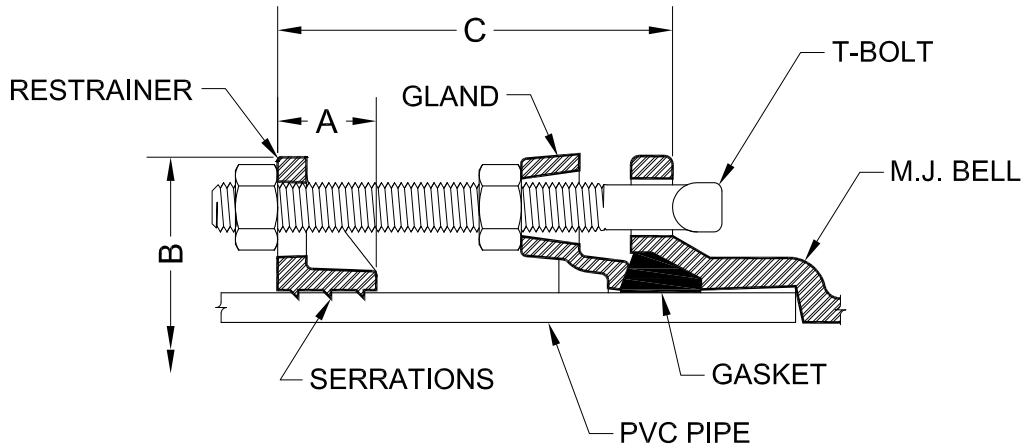
STAR® PIPE PRODUCTS



Pipe Restrainers series 1000G2

1000G2C Restrainers for AWWA CI OD C900/C909 PVC/PVCO Pipe with MJ or Ductile Iron Push-On Fittings (Formerly Series 9000)

TECHNICAL INFORMATION



4" - 12" Sizes

PIPE RESTRAINERS 1000G2C SPECIFICATIONS*									
NOM. SIZE	PVC/PVCO PIPE WITH DUCTILE IRON PIPE O.D. STYLE 1000G2C	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	11.26	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.

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

