



# Pipe Restrainers series 1200

1200C Restrainers for PVC Pipe and PVC Pressure Fittings  
w/Ductile Iron Pipe OD



1200C Restrainers for C900/C905 PVC Pipe.

### SUBMITTAL INFORMATION

PROJECT NAME:

ENGINEER:

CONTRACTOR:

SPEC. SECTION:



### FEATURES & ADVANTAGES

- 360° contact, no pipe distortion or point loading
- Restrainers work with either
  - PC235 psi molded AWWA C907 PVC pressure fittings or
  - PR235 psi fabricated PVC pressure fittings.
- All restrainers are machined to exact tolerances.
- Rated at 150 PSI with a 2:1 safety factor
- Supports wall of pipe with 360 degree contact
- Can be installed outside the trench, to ease installation
- Clamping Bolts: SAE J429 Grade5



1200C on PVC Fitting

### MATERIAL SPECIFICATIONS:

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

### RESTRAINER 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) \_\_\_\_\_

### COUNTRY OF ORIGIN OPTION (Please check one):

Import

### HARDWARE OPTIONS (Please check one):

#### STANDARD:

- Clamp Bolt: SAE J429 Grade 5
- Clamp Nut: SAE J995 Grade 2 or ASTM A563 Grade "A" or "B"
- Restraint Bolt/Rod/Nut: High strength low alloy steel per ANSI/AWWA C111/A21.11
- Washer: carbon steel per ASTM F844

#### OPTIONAL SS ALLOY 304:

- Clamp Bolt: SS alloy 304 per ASTM A193 Grade B8, Class 2
- Clamp Nut: SS alloy 304 per ASTM A194 Grade 8, S1
- Restraint Bolt/Rod: SS alloy 304 per ASTM F593 CW
- Restraint Nut: SS alloy 304 per ASTM F594 CW
- Washer: SS alloy 304

#### OPTIONAL SS ALLOY 316:

- Clamp Bolt: SS alloy 316 per ASTM A193 Grade B8M, Class 2
- Clamp Nut: SS alloy 316 per ASTM A194 Grade 8M, S1
- Restraint Bolt/Rod: SS alloy 316 per ASTM F593 CW
- Restraint Nut: SS alloy 316 per ASTM F594 CW
- Washer: SS alloy 316

#### OPTIONAL STAR BLUE:

- Clamp Bolt: Fluoropolymer Star Blue coated SAE J429 Grade 5
- Clamp Nut: Fluoropolymer Star Blue coated SAE J995 Grade 2 or ASTM A563 Grade "A" or "B"
- Restraint Bolt/Rod/Nut: Fluoropolymer Star Blue coated high strength low alloy steel per ANSI/AWWA C111/A21.11
- Washer: Fluoropolymer Star Blue coated carbon steel per ASTM F844



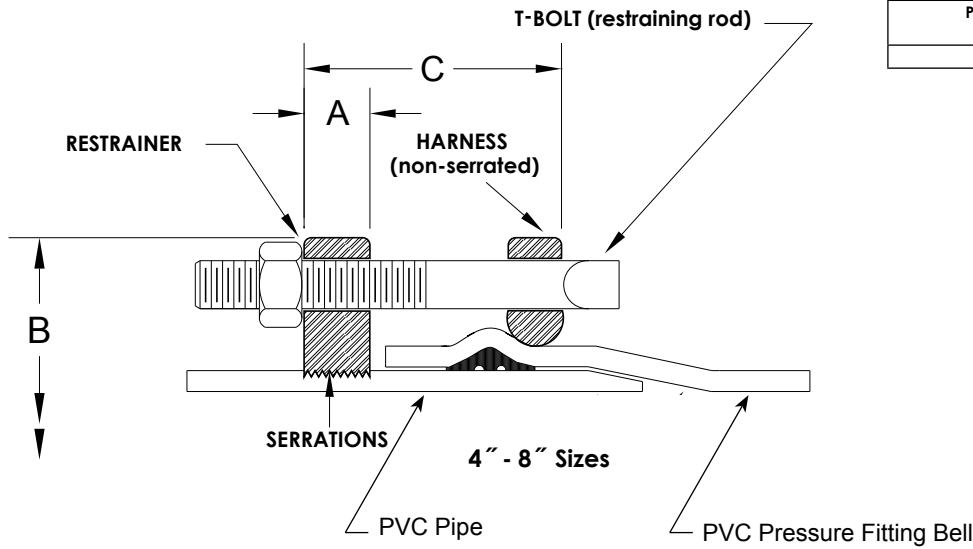
STAR® PIPE PRODUCTS



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## TECHNICAL INFORMATION



PIPE SIZE (IN)	RANGE OF TORQUE (FT-LBS)
4-8	90-110

PIPE RESTRAINERS 1200 SPECIFICATIONS*									
NOM. SIZE <sup>1</sup>	PVC PIPE WITH DUCTILE IRON PIPE O.D. STYLE 1200C O.D.	A	B APPROX.	C MAX.	RESTRAINT BOLTS/RODS		CLAMPING BOLTS		APPROX WT. (LBS)
					QTY	SIZE	QTY	SIZE	
4	4.80	1.12	9.12	6.00	2	3/4 x 9	4	5/8 x 3-1/2	13.8
6	6.90	1.15	11.12	6.00	2	3/4 x 9	4	5/8 x 3-1/2	17.0
8	9.05	1.47	14.75	8.00	2	3/4 x 12	4	3/4 x 4	30.0

Please check sizes:

\*All dimensions in inches except where indicated.



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