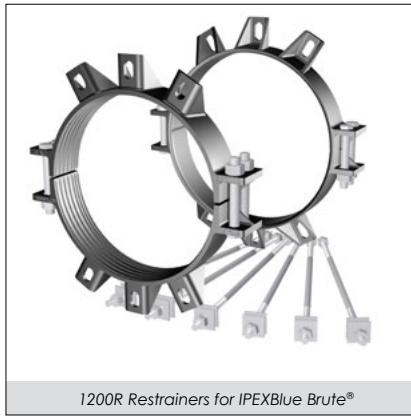




Pipe Restrainers series 1200R

1200R Restrainer only
for 14"-24" IPEX / Blue Brute® PVC Pressure Fittings



1200R Restrainers for IPEX Blue Brute®

SUBMITTAL INFORMATION

PROJECT NAME:

ENGINEER:

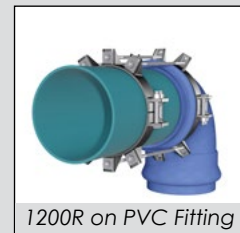
CONTRACTOR:

SPEC. SECTION:



FEATURES & ADVANTAGES

- 360° contact, no pipe distortion or point loading
- Restrainers work with IPEX Blue Brute® PVC Pressure Fittings and C905 PVC Pressure Pipe.
- All restrainers are machined to exact tolerances.
- Rated at the full rated pressure of IPEX PVC Pipe fitting or the C905 pipe being installed, whichever is less with a 2:1 Safety Factor
- Supports wall of pipe with 360 degree contact
- Can be installed outside the trench, to ease installation
- Rods/Hex Nuts: Low Alloy Steel Per ANSI/AWWA C111/A21.11
- Clamping Bolts: SAE J429 Grade5



1200R on PVC Fitting

* Blue Brute® is a trademark of IPEX Branding, Inc.

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

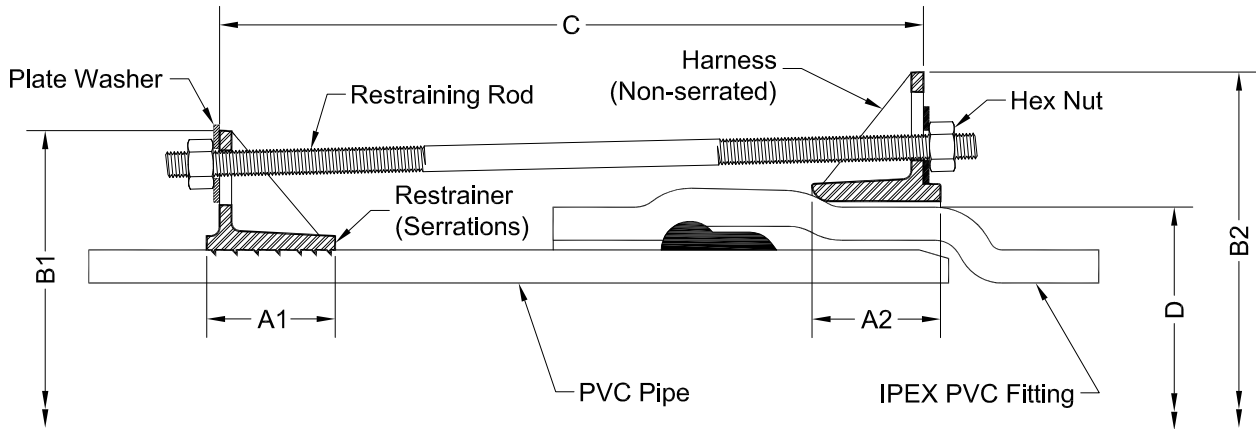


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TECHNICAL INFORMATION

PIPE SIZE (IN)	MINIMUM TORQUE (FT-LBS)
14 - 24	130



PIPE RESTRAINERS 1200R SPECIFICATIONS*													
NOM. SIZE ¹	PVC PIPE WITH DUCTILE IRON PIPE O.D. STYLE 1200C	PVC FITTING BELL OD "D"		A1	A2	B1 APPROX.	B2 APPROX.	C MAX.	RESTRAINT BOLTS/RODS		CLAMPING BOLTS		APPROX WT. (LBS)
		O.D.	MIN.						MAX.	QTY	SIZE	QTY	
14	15.30	17.28	17.73	4.00	3.75	22.68	25.27	21	6	3/4 x 24	8	7/8 x 7**	130
16	17.40	19.64	20.17	3.75	3.75	24.65	27.71	27	6	3/4 x 30	8	7/8 x 6 1/2	123
18	19.50	22.25	22.50	4.25	4.00	26.65	30.04	27	8	3/4 x 30	8	7/8 x 6 1/2	150
20	21.60	25.00	25.25	5.00	5.00	28.88	32.79	27	8	3/4 x 30	8	1 1/8 x 8 1/2	220
24	25.80	30.00	30.25	5.00	5.00	33.98	37.93	33	12	3/4 x 36	8	1 1/2 x 8 1/2	290

Please check sizes:

*All dimensions in inches except where indicated.
** Clamping bolt size for harness is 7/8 x 6 1/2

STAR® PIPE PRODUCTS

