



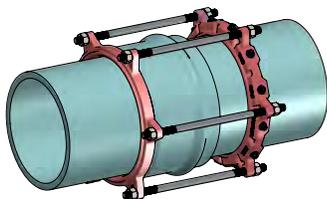
### 14" - 36" PIPE TO PIPE BELL JOINT WEDGE ACTION RESTRAINT FOR PVC PIPE

#### Submittal Information

Project Name / Location:	
Engineer:	
Referenced Specs:	
Distributor / Contractor:	

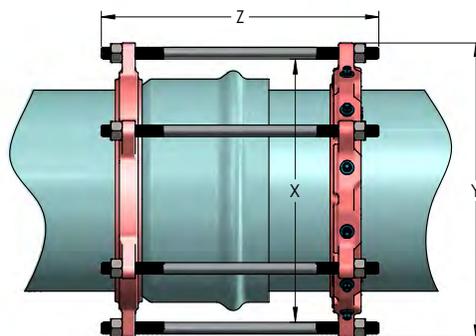
#### Optional Specifications

Coating:	Standard Alkyd, Direct To Metal (DTM) Enamel (Red)
	EZ-Shield® Polyester Based Powder Coating (Red)
	Other - Specify:
Rods & Nuts:	Standard High Strength Low Alloy Steel (HSLA) <i>In Accordance With ANSI/AWWA C111/A21.11</i>
	Fluoropolymer Corrosion Resistant Coating
	Stainless Steel:      Type 304                      Type 316
Other - Specify:	



#### General Specifications

- Material** : Harness body, gland and wedges are Ductile Iron per ASTM A536, Grade 65-45-12
- Pressure** : Pressure rating equal to that of the PVC pipe rating, with a minimum 2:1 safety factor. The grip of the 360° circumferential serrations and the wedges increase as the hydrostatic pressure increases
- Dimensions** : Restraint is compatible with all bell and spigot (push-on) joint socket PVC pipe meeting the following Standards...  
Compatible with 14" - 36" AWWA C90 (PVC)
- Installations** : Install in accordance with SIP installation procedures and intent of AWWA C605 / M23.  
Pipe ends must be free from defects to allow wedges to properly engage the pipe ends.  
Wedge pockets must be free for debris intrusion to allow movement, polyethylene wrap of the restraint is recommended as a prevention.  
**Note:** There are no additional tools required for installation other than the tools required to install standard sizes of hex nuts from 5/8"-2". The hex heads and rods shall be designed to tighten clockwise.
- Deflection** : Restraint allows the full joint deflection dictated by pipe manufacturer's recommendation, and maintains the seal while under pressure, and while subjected to ground movements



NOMINAL PIPE SIZE (IN)	C900 PVC PIPE CLASSIFICATIONS						
	DR14	DR18	DR21	DR25	DR32.5	DR41	DR51
14	235	235	200	165	125	-	-
16	235	235	200	165	125	-	-
18	235	235	200	165	125	-	-
20	235	235	200	165	125	-	-
24	200	200	200	165	125	-	-
30	-	-	165	165	125	-	-
36	-	-	125	125	125	-	-

#### Technical Specifications

Select Size	Size	Series Number	C900 Pipe CI OD	X (Min.)	Y (Max.)	Rods Qty.	Z Rods Size	Approx. Weight (Lbs)
	14	EZPVCPTP14	15.30	20.44	23.27	5	3/4 X 24	115
	16	EZPVCPTP16	17.40	22.81	25.63	6	3/4 X 24	140
	18	EZPVCPTP18	19.50	24.94	27.76	6	3/4 X 24	150
	20	EZPVCPTP20	21.60	27.19	30.02	7	3/4 X 24	175
	24	EZPVCPTP24	25.80	31.68	35.02	8	1 X 30	270
	30	EZPVCPTP30	32.00	39.30	42.88	10	1 X 40	412
	36	EZPVCPTP36	38.30	46.18	49.77	12	1 X 40	500

All dimensions are in inches unless noted otherwise. All weights are approximate in pounds unless noted otherwise.

Supporting documentation for the above 'General Specifications' and 'Optional Specifications' are available upon request to review, in addition to Installation Instructions and any requested material samples

Please contact SIP for technical assistance of nonstandard applications, pressures and bell dimensions that exceed listed X dimensions

Please refer to our web page [www.sipindustries.com](http://www.sipindustries.com) for up to date product data and technical advisories