



**CITY OF AUSTIN  
STANDARD PRODUCTS LIST  
for  
JOINT RESTRAINT DEVICES FOR PVC PIPE**

**USING DEPARTMENT:** Austin Water      **PREPARED BY:** Jeff A. Kyle, P.E.      **ISSUED:** 10/01/19  
**REVISED BY:** Jeff A. Kyle, P.E.      **REVISED:** 01/01/25

**DESCRIPTION:** Externally mounted devices used to restrain PVC bell and spigot (push-on) joints and to restrain PVC pipe spigots to DI fittings and valves. The devices shall be of the wedge-action type or serrated grip-ring, joint harness type meeting the following criteria:

1. The primary components of these devices such as the restrainer gland body, wedge, wedge actuator, and grip-ring body shall be ductile iron.
2. The devices shall have a working pressure rating of 305 psi.
3. These devices are for use only on 4" – 16" diameter pipe.
4. Glands and grip rings shall be red.
5. Glands and grip rings shall have an epoxy or polyester thermoset powder coat or epoxy electrocoat (e-coat) finish. A topcoat may be applied over the base powder coat or e-coat.
6. Wedges, actuating bolts, and torque control nuts that are part of wedge-action type devices shall have a fluoropolymer or e-coat finish. T-head bolts and nuts shall high strength low alloy (HSLA) steel having a blue fluoropolymer finish.
7. Threaded thrust rods and nuts and clamping bolts and nuts used with harness type devices shall be HSLA steel having a blue fluoropolymer finish.
8. All components necessary for installation of harness (bell-to-spigot) type devices shall be provided by the device manufacturer.
9. The only approved products are those having the exact same identification as listed below and only in the sizes indicated.

<b>LISTING DATE</b> (See Note 1)	<b>MANUFACTURER</b>	<b>PRODUCT IDENTIFICATION/COMMENT</b>	<b>APPROVAL</b>
10/01/96	EBAA IRON, INC. Box 857 Eastland, TX 76448	Megalug Solid MJ Restraint Series 2000PV (4"-12") Part No. 20xxPEC Megalug Split Restraint Harness Series 1900 (4"-12") Part No. 19xx00Y	R. Lamb J. Kyle
10/01/00	UNI-FLANGE / DIVISION OF FORD METER BOX CO. P.O. Box 443 Wabash, IN 46992-0443	Uni-Flange Split MJ Restraint Series 1300 (4" – 12") Part No. UFR-1300-C-xx-RB-RED-I/U Uni-Flange Split Restraint Harness Series 1390 (4" – 12") Part No. UFR-1390-C-xx-RB-RED-I/U Uni-Flange Solid MJ Restraint Series 1500 (4" – 16") Part No. UFR-1500-C-xx-I/U	R. Lamb
04/01/98 01/01/24	STAR PIPE PRODUCTS, INC. (SP, CD, XY Foundries, China) 4018 Westhollow Pkwy. Houston, TX 77082	Stargrip Solid MJ Restraint Series 4000G2 (4" – 12") Item Code PVCPKSCB40xxG2 Stargrip Split Restraint Harness Series 1100G2 (4" – 12") Item Code PRC11xxG2CBTN	R. Lamb J. Kyle
11/26/01 04/01/23	SIGMA CORP. (A-1 Foundry, China) 5000 Askins Lane Houston, TX 77346	One-Lok SLCE Solid MJ Restraint (4" – 16") Tag w/Part No. SLCE-X## PV-LOK PTP Split Restraint Harness (4" – 12") Tag w/Part No. PTPE-C##	K. Flowers J. Kyle
07/01/09	TYLER UNION / DIVISION OF McWANE 1501 W. 17 <sup>th</sup> St. Anniston, AL 36201	TUFGrip Solid MJ Restraint Series 2000 (4" – 16") Item Code MJ TUFGripTLP w/TUFBond Coating	R. Lamb



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04/01/17	ACCUCAST (EG Foundry, China) 415 South 21 <sup>st</sup> St. Waco, TX 76706	Acculok ALPV Solid MJ Restraint (4" – 12") Item Code ALPVxx	J. Kyle
04/01/17	SIP INDUSTRIES (EF Foundry, China) 8876 Gulf Freeway Suite 500 Houston, TX 77017	EZ Grip EZP MJ Wedge-Action Restraint (4" – 16") Part No. EZPVCxxE: EZ Grip PTP Solid Restraint Harness (4" – 16") Part No. PTPVCxxEB EZ Grip Ultra MJ Wedge-Action Restraint (4" – 12") Part No. EZPVCUPxxE	J. Kyle

**NOTES:**

1. If the listing date precedes the issue date of this SPL, the manufacturer had PVC joint restraint products originally included on SPL WW-27A.
2. Specifying or use of restraint devices outside the indicated size range requires prior approval by Austin Water on a project-by-project basis.
3. Warning tape shall be placed on the top of PVC pipe restrained by these devices. The warning tape shall be yellow and shall have black lettering at least 2 inches high that states "Restrained Joint / Junta de Restriccion" at intervals not exceeding 24 inches. The warning tape shall be polypropylene having a minimum thickness of 2 mils, a minimum width of 3 inches, and adhesive backing on the side opposite the lettering.
4. xx or ## in the Item Code or Part Number refers to the nominal size of the device.

[Inspector—show location of restrained pipe and fittings on intersection drawings. Also show on record drawings along with manufacturer's name.]

**LATEST REVISIONS (since 01/01/24):**

1. Updated DESCRIPTION Nos. 6 & 7 to require a blue fluoropolymer finish on all HSLA hardware.