



**CITY OF AUSTIN  
STANDARD PRODUCTS LIST**

for  
**JOINT RESTRAINT DEVICES FOR DUCTILE IRON PIPE**

**USING DEPARTMENT:** Austin Water      **PREPARED BY:** William Flynn, P.E.      **ISSUED:** 03/24/83  
**REVISED BY:** Jeff A. Kyle, P.E.      **REVISED:** 10/01/19

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

1. The primary components of these devices such as restrainer gland body, wedge, wedge actuator, and backup ring body shall be ductile iron.
2. The devices shall have a working pressure rating of 350 psi for sizes 4" – 16" and 250 psi for larger than 16".
3. Glands and backup rings shall be black.
4. Glands and backup rings shall have an epoxy or polyester thermoset powder coat or epoxy electrocoat (e-coat) finish. A top coat may be applied over the base powder coat or e-coat.
5. Wedges and threaded components that are part of wedge-action devices shall have a fluoropolymer or e-coat finish.
6. Threaded thrust rods and nuts and clamping bolts and nuts used with harness type devices shall be high strength low alloy (HSLA) steel having a fluoropolymer finish.
7. All components necessary for installation of the device shall be provided by the device manufacturer.
8. The only approved products are those having the exact same identification as listed below and only in the sizes indicated.

LISTING DATE	MANUFACTURER	PRODUCT IDENTIFICATION/COMMENT	APPROVAL
10/01/96	EBAA IRON, INC. Box 857 Eastland, TX 76448	Megalug: Series 1100 (4" – 48") Part No.11xxDECY Series 1700 (4" – 48") Part No.17xxDECY	R. Lamb
10/01/00	UNI-FLANGE/DIVISION OF FORD METER BOX CO. P.O. Box 443 Wabash, IN 46992-0443	Uni-Flange: Series 1400 (4" – 48") Part No. UFR-1400-xx-I/U Series 1450 (4" – 12") Part No. UFR-1450-xx-RB-I/U	R. Lamb
04/01/98	STAR PIPE PRODUCTS, INC. (SP, CD, XY Foundries, China) 4018 Westhollow Pkwy. Houston, TX 77082	Stargrip 3000 (4" – 48") Item Code SGDPKSCBxx	R. Lamb J. Kyle
11/26/01	SIGMA CORP (A-1 Foundry, China) P.O. Box 300 Rt. 537 Goldman Road Cream Ridge, NJ 08514	One-Lok SLDE (4" – 64") Tag w/Part No. SLDE-X##	K. Flowers J. Kyle
04/01/17	ACCUCAST (EG Foundry, China) 415 South 21 <sup>st</sup> St. Waco, TX 76706	Acculok ALDI (4" – 12") Item Code ALDIxx	J. Kyle
04/01/17	SIP INDUSTRIES (EF Foundry, China) 2900 Patio Dr. Houston, TX 77017	EZ Grip EZD (4" – 48") Item Code EZDxxE	J. Kyle



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**NOTES:**

1. These devices are not to be used on plain-end DI fittings or on cast iron, PVC, HDPE, or asbestos cement pipe.
2. Warning tape shall be placed on top of the polyethylene wrap around DI pipe restrained with these devices for the full length of restrained joint pipe and fittings. 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.
3. 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:**

1. Changed title and content to apply to restraint devices used only on DI pipe.
2. Moved all restraint devices exclusively for PVC pipe to repurposed SPL WW-308C.
3. Moved Accucast's, Infact's, Sigma's, and Star's MJ x MJ adaptors to new SPL WW-27A-01.
4. Added manufacturer Item Codes and Part Numbers specific to products meeting the pressure rating, color, protective coating, and material requirements.
5. Removed Smith-Blair, Romac, and Tyler Union.
6. Added Note 3.