



**CITY OF AUSTIN
STANDARD PRODUCTS LIST**

for

JOINT RESTRAINT DEVICES, 4 INCH THROUGH 16 INCH DIAMETER

USING DEPARTMENT: Water Utility **ISSUED:** 03/24/83 **REVIEWED:** 07/01/09 **REVISED:** 07/01/09

PREPARED BY: William Flynn, P.E. **CITY STOCK NUMBER:**

DESCRIPTION: Restraint Devices for joints on pipe, fittings, and valves. Devices shall be of the wedge-action lug-type mechanical joint (MJ) Retainer Glands or the split, full-circle grip-ring type with High Strength Low Alloy (HSLA) threaded thrust rods and nuts and stainless steel clamping bolts and nuts. For use only with 4" – 16" Ductile Iron (DI) pipe or 4" – 12" AWWA C900 (PVC) pipe as indicated and color-coded as noted. Restraint devices shall have a working pressure rating that equals or exceeds the pressure of the pipe, fittings, or valves on which they are used. The only approved products are those having the exact same identification as listed below.

LISTING DATE	MANUFACTURER	PRODUCT IDENTIFICATION/COMMENT	APPROVAL
10/01/96	EBAA IRON, INC. Box 857 Eastland, TX 76448	Megalug: 1104 to 1116, Black MJ retainer gland for DI pipe 1704 to 1716, Black MJ retainer gland for DI pipe w/push-on joints 2004PV to 2012PV, Red MJ retainer gland for PVC pipe Megaflange: 2104 to 2112, Red MJ retainer gland for PVC pipe, for above ground installation PVC Bell Restraint Harness 1500, Red split full-circle grip rings w/HSLA threaded rods and stainless steel clamping bolts	R. Lamb
10/01/00	UNI-FLANGE/DIVISION OF FORD METER BOX CO. P.O. Box 443 Wabash, IN 46992-0443	Uni-Flange: UFR 1300 C-4 to C-8, Split full-circle grip-rings w/HSLA threaded rods and stainless steel clamping bolts. Black for DI, red for PVC. UFR 1390 C-4 to C-8, Split full-circle grip-rings w/HSLA threaded rods and stainless steel clamping bolts. Black for DI, red for PVC. UFR 1400 D-4 to D-16, Black MJ retainer gland for DI pipe UFR 1450 D-4 to D-16, Black MJ retainer gland for DI pipe with push-on joints UFR 1500 CA-4 to CA-12, Red MJ retainer gland for PVC pipe	R. Lamb
04/01/98	JL, RR, CD, EF, DMY, QB, HX, YS FOUNDRIES (CHINA) STAR PIPE PRODUCTS, INC. 4018 West Hollow Pkwy. Houston, TX 77082	Stargrip: 3000, Black MJ retainer gland for DI pipe, 4" - 16" 4000, Red MJ retainer gland for PVC pipe, 4" - 12" PVCgrip: 3500, Red MJ retainer gland for PVC pipe, 4" - 12" PVC Pipe Restrainters 1000, Red split full-circle grip-rings w/HSLA threaded rods and stainless steel clamping bolts for PVC pipe, 4" - 12" 1100, Red split full-circle grip-rings w/HSLA threaded rods and stainless steel clamping bolts for PVC pipe, 4" - 12"	R. Lamb

NOTE: See Notes on Sheet 2



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LISTING DATE	MANUFACTURER	PRODUCT IDENTIFICATION/COMMENT	APPROVAL
10/01/98	ROMAC INDUSTRIES, INC. P.O. Box 3212 Seattle, WA 98114	GripRing, Yellow MJ retainer gland w/black split full-circle grip-rings for DI or PVC pipe, 4" - 12" RomaGrip, Black MJ retainer gland for DI pipe, 4" - 16"	W. Flynn
11/26/01	A-1 FOUNDRY (CHINA) SIGMA CORP P.O. Box 300 Rt. 537 Goldman Road Cream Ridge, NJ 08514	One Lok (SLD) Black MJ retainer gland for DI pipe, 4" - 16" (SLC) Red MJ retainer gland for PVC pipe, 4" - 12"	K. Flowers
04/01/04	ONE BOLT, INC. 169 Cahaba Valley Pkwy. Pelham, AL 35124	Fittings with integral joint restraint, water applications only Black retainer gland for DI pipe, 4" - 16" Red retainer gland for PVC pipe, 4" - 12"	R. Lamb
07/01/09	TYLER UNION 11910 CR 492 Tyler, TX 75706	TUFGrip (TLD) Black MJ retainer gland for DI pipe, 4" - 16" (TLP) Red MJ retainer gland for PVC pipe, 4" - 12"	R. Lamb

NOTE:

- Only manufacturer's products indicated shall be used.
- Restraint devices for DI pipe shall have a black coating.
- Restraint devices for PVC pipe shall have a red coating.
- These devices are not to be used on Plain-end DI fittings.
- Specifying or use of restraint devices outside the indicated size range requires prior approval by Austin Water Utility on a project-by-project basis.
- Threaded thrust rods and nuts used with split, full-circle grip-ring restraint devices must be High Strength Low Alloy steel supplied by the restraint device manufacturer. Galvanized All-thread or similar rod is not allowed.
- High Strength Low Alloy components must meet AWWA C111.
- Warning tape shall be placed on the top of PVC pipe restrained by these devices and on the top of 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.

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



**CITY OF AUSTIN
STANDARD PRODUCTS LIST
for
COMPACT DUCTILE IRON FITTINGS**

USING DEPARTMENT: Water Utility **ISSUED:** 10/01/87 **REVISED:** 07/01/10 **REVISED:** 07/01/10

RE PREPARED BY: William Flynn, P.E. **CITY STOCK NUMBER:**

DESCRIPTION: Fittings, Compact Ductile Iron complying with AWWA C153 in 4", 6", 8", 12", 16", 20" and 24" sizes. All fittings shall have markings cast on the body as required by AWWA C153. Fittings complying with AWWA C153 shall be asphalt coated and cement-mortar lined with asphaltic seal coat complying with AWWA C104, or fusion-bonded epoxy coated and lined (inside and outside) complying with AWWA C116. Fusion-bonded epoxy must be red and shall comply with requirements of NSF 61. (See SPL WW-27 for Ductile Iron Fittings complying with AWWA C110.)

LISTING DATE	MANUFACTURER	PRODUCT IDENTIFICATION/COMMENT	APPROVAL
07/01/98	TYLER PIPE CO. P.O. Box 2027 Tyler, TX 75710	All Series; no retainer glands	W. Flynn
01/02/98	US PIPE AND FOUNDRY CO. P.O. Box 10406 Birmingham, AL 35202	All Series	W. Flynn
10/01/97	A-1 FOUNDRY (China)/ SIGMA CORPORATION P.O. Box 300 Rt. 537 Goldman Road Cream Ridge, NJ 08514	All Fittings	W. Flynn
01/02/98	UNION FOUNDRY CO./DIVISION OF McWANE P.O. Box 309 Anniston, AL 36202	All Series	W. Flynn
04/01/97	SOMEPI (SMP/BRAZIL)/ STAR PIPE PRODUCTS CO. 4018 Westhollow Pkwy. Houston, TX 77082	All Fittings	W. Flynn
04/03/95	GRIFFIN PIPE PRODUCTS CO 2601 Ninth Ave Council Bluffs, IA 51501	All Series	W. Flynn
07/01/96	INFACT CORP. 7555 Caney Fork Rd. Fairview, TX 37062	Foster Adaptor bolt-through MJ restraint (Use nuts recommended by manufacturer)	W. Flynn



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for
COMPACT DUCTILE IRON FITTINGS**

USING DEPARTMENT: Water Utility **ISSUED:** 10/01/87 **REVIEWED:** 04/01/10 **REVISED:** 04/01/10

PREPARED BY: William Flynn, P.E. **CITY STOCK NUMBER:**

DESCRIPTION: Fittings, Compact Ductile Iron complying with AWWA C153 in 4", 6", 8", 12", 16", 20" and 24" sizes. All fittings shall have markings cast on the body as required by AWWA C153. Fittings shall be asphalt coated and cement-mortar lined with asphaltic seal coat complying with AWWA C104, or fusion-bonded epoxy coated and lined (inside and outside) complying with AWWA C116. Fusion-bonded epoxy must be red and comply with requirements of NSF 61. (See SPL WW-27 for Ductile Iron Fittings complying with AWWA C110.)

LISTING DATE	MANUFACTURER	PRODUCT IDENTIFICATION/COMMENT	APPROVAL
01/02/03	AMERICAN FLOW CONTROL P.O. Box 2727 Birmingham, AL 35202-2727	4" to 12"	R. Lamb
04/01/04	ONE BOLT, INC. 169 Cahaba Valley Pkwy Pelham, AL 35124	Fittings with integral joint restraint, water application only, 4" to 12" Black retainer gland for DI pipe Red retainer gland for PVC pipe	R. Lamb
04/01/09	ASSURED FLOW SALES, INC. P.O. Box 49633 Sarasota, FL 34230	Gradelok	R. Lamb
04/01/10	SHANXI YUANSHEG (China)/ ACCUCAST 415 S. 21 st Ave. Waco, TX 76706	4" to 12"  Foundry Logo on Casting	R. Lamb

NOTE:



**CITY OF AUSTIN
STANDARD PRODUCTS LIST
for
IRON FULL-BODY MJ TAPPING SLEEVES**

USING DEPARTMENT: Water Utility **ISSUED:** 02/03/78 **REVIEWED:** 10/01/07 **REVISED:** 10/01/07
PREPARED BY: Bill Flynn, P.E. **CITY STOCK NUMBER:**
DESCRIPTION: Sleeves, Tapping, Cast Iron or Ductile Iron body, for use on Cast Iron, Ductile Iron, PVC, and AC pipe. Sleeves shall have split body that completely surrounds pipe. Sleeves shall have mechanical joint body and flanged outlet and shall include duck-tipped MJ gaskets, split MJ glands, side flange gaskets, and approved bolts and nuts. (See WW-488T)

LISTING DATE	MANUFACTURER	PRODUCT IDENTIFICATION/COMMENT	APPROVAL
11/09/82	MUELLER COMPANY 500 West Eldorado St. Decatur, IL 62525	H-615 for CI, DI, and PVC H-619 for AC	K. Flowers
11/09/82	CLOW CORPORATION P.O. Box 350 Oskaloosa, IA 52557	F-5205	K. Flowers
10/13/83	U.S. PIPE & FOUNDRY CO. P.O. Box 10406 Birmingham, AL 35202	U.S. Mechanical Joint Tapping Sleeve	K. Flowers
10/01/92	TYLER PIPE P.O. Box 2027 Tyler, TX 75710	Compact DI body used on DI pipe only	K. Flowers
10/01/03	AMERICAN FLOW CONTROL P.O. Box 2727 Birmingham, AL 35202-2727	Series 1004 for CI, DI, and PVC Series 2800C for CI, DI, and PVC Series 2800A for AC	R. Lamb

NOTE: 1. To be used only if indicated on the drawings.