



**CITY OF AUSTIN
STANDARD PRODUCTS LIST**

for
COMPACT DUCTILE IRON FITTINGS and FITTING WEIGHT SCHEDULE

USING DEPARTMENT: Austin Water

PREPARED BY: William Flynn, P.E.

ISSUED: 10/01/87

REVISED BY: Jeff Kyle, P.E.

REVISED: 04/01/17

DESCRIPTION: Compact Ductile Iron Fittings complying with AWWA C153 in sizes 4", 6", 8", 12", 16", 20" and 24". 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-27C for Ductile Iron Fittings complying with AWWA C110.) Not for use in gravity wastewater applications.

LISTING DATE	MANUFACTURER	PRODUCT IDENTIFICATION/COMMENT	APPROVAL
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	TYLER UNION/DIVISION OF McWANE P.O. Box 309 Anniston, AL 36202	All Series 5-5/8 degree bends are acceptable	W. Flynn
04/01/97	SOMEPI (SMP/BRAZIL)/STAR PIPE PRODUCTS 4018 Westhollow Pkwy. Houston, TX 77082	All Fittings Includes Series 100 MJ x MJ Adaptor (bolt-through MJ restraint)	W. Flynn
07/01/96	INFACOT CORP. 1283 Gateway Drive Gallatin, TN 37066	Foster MJ x MJ Adaptor (bolt- through MJ restraint) (Use accessory paks recommended by manufacturer)	W. Flynn
04/01/09	ASSURED FLOW SALES, INC. P.O. Box 49633 Sarasota, FL 34230	Gradelok® Offset Fitting	R. Lamb
04/01/10	SHANXI YUANSHEG (China) ACCUCAST 415 S. 21 st Ave. Waco, TX 76706	4" to 12" Logo on Casting 	R. Lamb
04/01/13	GAOMI ZHONGYIDE (China) ACCUCAST	4" to 12" MJ x MJ Accu Adaptor (bolt-through MJ restraint)	R. Lamb
01/01/12	US PIPE/METALFIT (MEXICO) METALFIT 5583 Snowflake Way Parker, CO 80134	All Fittings	R. Lamb



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LISTING DATE	MANUFACTURER	PRODUCT IDENTIFICATION/COMMENT	APPROVAL
10/01/12	XIAN XIAN EAST FOUNDRY CO., LTD. (China) SERAMPORE (SIP) INDUSTRIES 2900 Patio Drive Houston, TX 77017	All Fittings	R. Lamb

NOTES:

LATEST REVISIONS:

1. Remove *Tyler Pipe* from SPL; Change *Union Foundry Co.* to *Tyler Union/Division of McWane*
2. Revise to allow use of Tyler Union 5-5/8 degree compact DI bends



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DESCRIPTION: Fitting weights for payment purposes: The listed weights shall govern for payment purposes irrespective of approved fittings used. The listed weights are based on AWWA C153 (compact ductile iron fittings) and manufacturer-tabulated weights for fittings meeting AWWA C153. Bolts, gaskets and glands are subsidiary to the City weights.

TEES AND CROSSES			
SIZE (IN.)		WEIGHT (LB.)	
RUN	BRANCH	TEE	CROSS
4	4	32	40
6	4	46	65
	6	56	75
8	4	60	85
	6	72	100
	8	86	105
12	4	94	115
	6	110	135
	8	125	175
	12	160	210
16	6	228	250
	8	248	270
	12	280	335
	16	322	385
20	6	315	350
	8	345	380
	12	395	415
	16	465	550
	20	535	600
24	6	415	650
	8	445	575
	12	500	625
	16	580	675
	20	660	925
	24	720	950
30	8	739	650
	12	830	800
	16	959	900
	20	995	1220
	24	1,060	1500
	30	1,323	1,775
36	8	1,420	
	12	1,430	
	16	1,440	
	24	1,498	1,865
	30	1,555	2,580
	36	1,900	2,735

TEES AND CROSSES			
SIZE (IN.)		WEIGHT (LB.)	
RUN	BRANCH	TEE	CROSS
42	12	2,200	
	16	2,220	
	24	2,270	2,350
	30	2,425	2,920
	36	3,000	3,675
	42	3,175	4,090
48	12	2,800	
	16	2,820	
	24	2,870	3,200
	30	3,050	3,785
	36	3,900	5,045
	42	4,100	5,465
	48	4,250	6,220

REDUCERS	
SIZE (IN.)	WEIGHT (LB.)
6 x 4	24
8 x 4	32
8 x 6	36
12 x 4	58
12 x 6	60
12 x 8	60
16 x 6	124
16 x 8	124
16 x 12	124
20 x 12	205
20 x 16	200
24 x 12	305
24 x 16	320
24 x 20	300
30 x 16	633
30 x 20	628
30 x 24	478
36 x 20	975
36 x 24	770
36 x 30	650
42 x 24	1,356
42 x 30	1,083
42 x 36	1,114
48 x 30	1,779
48 x 36	1,641
48 x 42	1,426

BENDS				
	1/4 90°	1/8 45°	1/16 22½°	1/32 11¼°
SIZE (IN.)	WEIGHT (LB.)			
4	27	23	18	16
6	39	32	32	30
8	57	46	46	42
12	108	86	84	74
16		202	178	158
20		305	310	245
24		405	412	315
30		780	665	600
36		1,135	960	820
42		1,610	1,350	1,180
48		2,090	1,760	1,475

	CAPS	PLUGS
SIZE (IN.)	WEIGHT (LB.)	
4	9	10
6	15	16
8	22	26
12	42	46
16	92	95
20	125	135
24	166	175
30	345	355
36	628	688
42	900	1,200
48	1,075	1,550

SLEEVES	
SIZE (IN.)	WEIGHT (LB.)
4	17
6	28
8	38
12	56
16	130
20	195
24	255
30	500
36	725
42	875
48	1,400