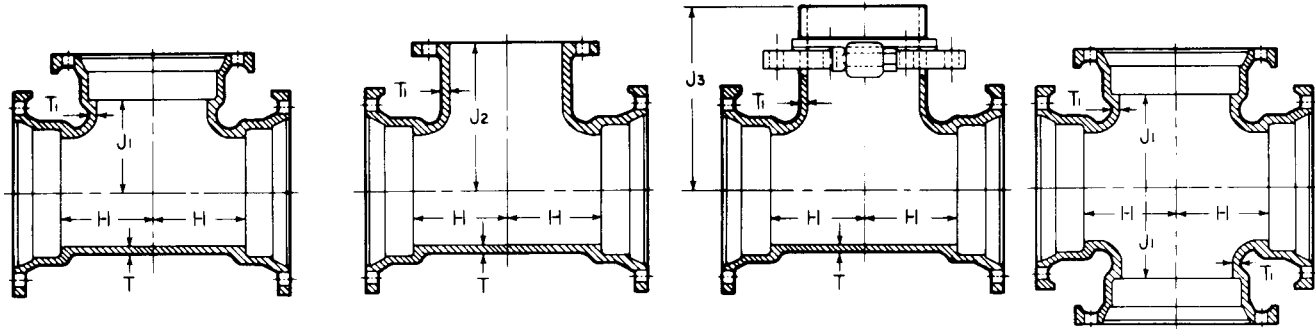


TEES

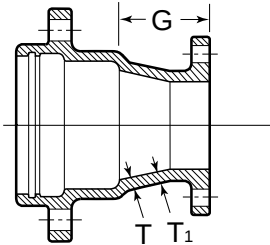
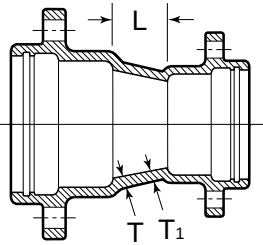
CROSS



MJ Tee		MJ x FE Tee				MJ x Swivel Tee			Cross	
Size	T	T¹	H	Dimensions		J³	MJ	MJxFE	Weights	Cross
				J¹	J²				MJxS†	
3	.34	.34	3.5	3.50	5.5	...	26	28	...	33
4x3	.35	.34	3.5	4.00	6.5	...	32	34	...	40
4	.35	.35	4.0	4.00	6.5	...	35	38	...	42
6x3	.37	.34	3.5	5.00	8.0	...	47	51	...	...
6x4	.37	.35	4.0	5.00	8.0	...	51	54	...	62
6	.37	.37	5.0	5.00	8.0	10.50	60	68	77	80
8x3	.39	.34	4.0	6.50	9.0	...	68	...	...	...
8x4	.39	.35	4.5	6.50	9.0	...	71	79	...	84
8x6	.39	.37	5.5	6.50	9.0	11.50	80	86	99	108
8	.39	.39	6.5	6.50	9.0	11.50	90	102	116	115
10x3	.41	.34	4.0	7.50	11.0	...	83	...	...	...
10x4	.41	.35	4.5	7.50	11.0	...	83	89	...	98
10x6	.41	.37	5.5	7.50	11.0	13.00	93	110	119	118
10x8	.41	.39	6.5	7.50	11.0	13.00	113	115	129	138
10	.41	.41	7.5	7.50	11.0	...	120	144	...	155
12x3	.43	.34	4.0	8.75	12.0	...	100	...	...	...
12x4	.43	.35	4.5	8.75	12.0	...	104	117	...	123
12x6	.43	.37	5.5	8.75	12.0	14.25	115	133	138	140
12x8	.43	.39	6.5	8.75	12.0	14.25	123	126	149	155
12x10	.43	.41	7.5	8.75	12.0	...	153	174	...	187
12	.43	.43	8.75	8.75	12.0	...	178	198	...	212
14x6	.51	.44	6.5	10.50	14.0	16.00	183	205	211	210
14x8	.51	.45	7.5	10.50	14.0	...	206	...	...	231
14x10	.51	.46	8.5	10.50	14.0	...	229	244	...	255
14x12	.51	.47	9.5	10.50	14.0	...	235	284	...	269
14	.51	.51	10.5	10.50	14.0	...	281	305	...	299
16x6	.52	.45	6.5	11.50	15.0	17.00	229	239	248	250
16x8	.52	.46	7.5	11.50	15.0	...	248	260	...	264
16x10	.52	.47	8.5	11.50	15.0	...	265	287	...	286
16x12	.52	.48	9.5	11.50	15.0	...	281	312	...	310
16x14	.52	.51	10.5	11.50	15.0	...	317	348	...	...
16	.52	.52	11.5	11.50	15.0	...	361	374	...	410

† Weights include swivel gland

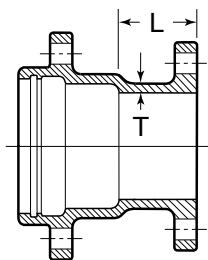
REDUCERS



UT x UT Reducers

UT x Flange Reducers

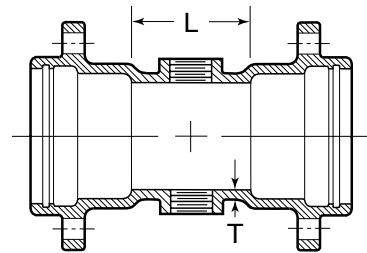
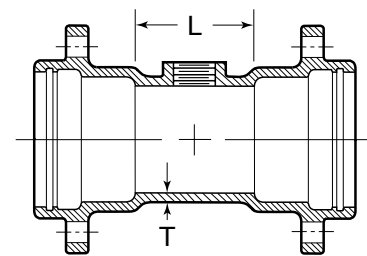
Size	T	Dimensions		G	Weights	
		T1	L		UT x UT	UT x Flange
6x4	.37	.35	4.0	6.0	33	32
8x4	.39	.35	5.0	7.0	46	46
8x6	.39	.37	4.0	6.0	53	47
10x4	.41	.35	7.0	9.0	47	55
10x6	.41	.37	5.0	7.0	47	59
10x8	.41	.39	4.0	6.0	53	61
12x4	.43	.35	9.0	11.0	74	78
12x6	.43	.37	7.0	9.0	58	73
12x8	.43	.39	5.0	7.0	74	74
12x10	.43	.41	4.0	6.0	82	95
14x6	.51	.44	9.0	11.0	84	121
14x8	.51	.45	7.0	9.0	85	128
14x10	.51	.46	5.0	7.0	87	127
14x12	.51	.47	4.0	6.0	104	144
16x6	.52	.45	11.0	13.0	94	133
16x8	.52	.46	9.0	11.0	104	141
16x10	.52	.47	7.0	9.0	130	158
16x12	.52	.48	5.0	7.0	152	172
16x14	.52	.51	4.0	6.0	139	196
18x8	.59	.45	14.0	16.0	142	157
18x10	.59	.47	12.0	14.0	151	175
18x12	.59	.49	10.0	12.0	167	215
18x14	.59	.56	8.0	11.5	217	234
18x16	.59	.57	7.0	10.5	202	246
20x10	.60	.47	14.0	16.0	180	234
20x12	.60	.49	12.0	...	205	...
20x14	.60	.56	10.0	13.5	233	249
20x16	.60	.57	8.0	11.5	250	272
20x18	.60	.59	7.0	...	248	...
24x12	.62	.49	16.0	18.0	246	262
24x14	.62	.56	14.0	17.5	281	315
24x16	.62	.57	12.0	15.5	380	328
24x18	.62	.59	10.0	...	390	...
24x20	.62	.60	8.0	...	421	...



UT x Flange Adaptor

Size	Dimensions		Weight
	T	L	
4	.35	6.0	30
6	.37	6.0	41
8	.39	6.0	63
10	.41	6.0	71
12	.43	6.0	110
14	.51	7.0	113
16	.52	7.0	115
20	.60	6.0	295

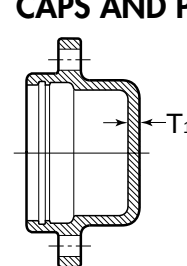
TAPPED TEE/CROSS



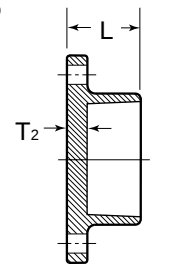
UT x Tapped Tee/Crosses

Size	T	Dimensions		Weight
		Max Tap	L	
4	.35	3.0	6.0	27
6	.37	3.5	6.0	38
8	.39	3.5	6.0	59
10	.41	3.5	6.0	72
12	.43	3.5	6.0	92

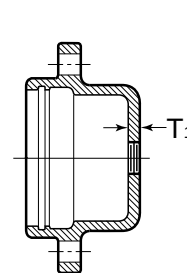
CAPS AND PLUGS



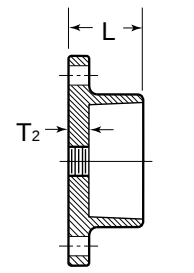
Solid Cap



Solid Plug



2" Tapt Cap

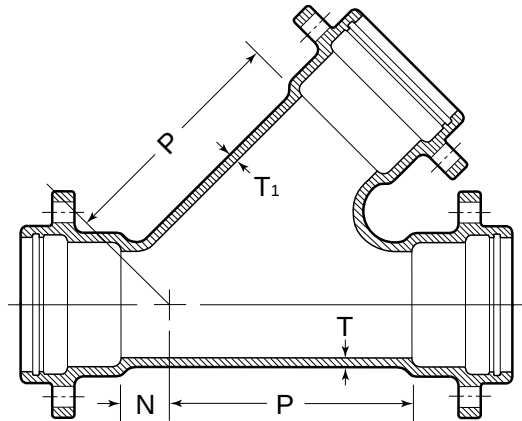


2" Tapt Plug

UT Caps and Plugs

Size	T1	Dimensions		Weights	
		T2	L	Cap	Plug
4	.48	.50	5.25	15	8
6	.48	.50	5.25	20	23
8	.51	.53	5.25	35	32
10	.53	.56	5.25	50	38
12	.55	.62	5.25	75	49

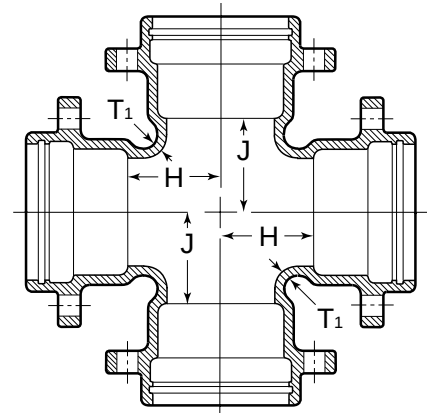
WYES



UT Wyes

Size	T	Dimensions		N	Weights
		T1	P		
8x4	.39	.35	13.5	.0	89
10x4	.41	.35	15.0	.0	141
10x6	.41	.37	16.0	1.0	151
10x8	.41	.39	17.0	2.5	175
10	.41	.41	18.0	4.0	200
12x4	.43	.35	16.5	.0	178
12x6	.43	.37	18.5	1.5	201
12x8	.43	.39	18.5	1.5	224
12x10	.43	.41	20.0	3.0	240
12	.43	.43	20.0	5.0	289
14x6	.51	.44	19.5	.0	236
14x8	.51	.45	21.0	1.5	255
14x10	.51	.46	22.5	3.0	325
14	.51	.51	25.0	6.0	475
16x6	.52	.45	21.0	.0	281
16x8	.52	.46	22.5	0.5	304
16x12	.52	.48	25.0	3.5	346
16	.52	.52	28.0	6.5	380

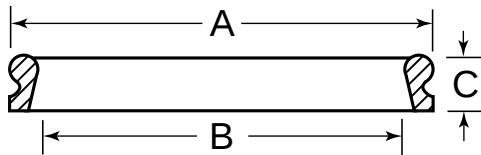
CROSSES



UT Crosses

Size	T1	Dimensions		Weights
		H	J	
6	.37	6.0	6.0	88
8x6	.37	6.0	7.0	117
8	.39	7.0	7.0	156
10x4	.35	6.0	9.0	116
12x8	.39	8.0	10.0	240
12	.43	10.0	10.0	241
14x6	.44	6.5	10.5	189
14x8	.45	7.5	10.5	204
14x10	.46	8.5	10.5	222
14x12	.47	9.5	10.5	239
14	.51	10.5	10.5	270
16x6	.45	6.5	11.5	234
16x8	.46	7.5	11.5	323
16x10	.47	8.5	11.5	268
16x12	.48	9.5	11.5	274
16x14	.51	10.5	11.5	322
16	.52	11.5	11.5	317

TYTON® GASKETS



TYTON® JOINT IPS Transition and Regular Gasket

Size	Dimensions			C
	Transition (IPS)	Regular (Ductile)		
	A	B(±1%)	B*	
4	5.74	4.18	4.68	1.00
6	7.86	6.31	6.73	1.10
8	10.15	8.32	8.85	1.29
10	12.10	10.30	10.87	1.36
12	14.31	12.70	12.95	1.45

TYTON® is a registered trademark of U.S. Pipe and Foundry Company.

NOTICE: Weights published in this catalog are for shipping purposes only. Actual weights may vary because some fittings are produced in both foundries. All fittings are made in the USA and meet the AWWA standards to which they are designed.

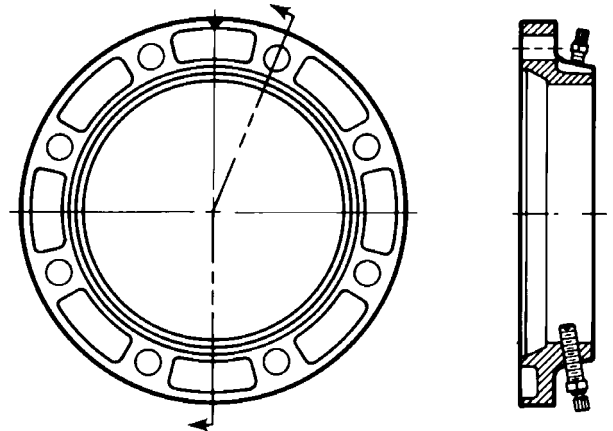
For weights of specific fittings, please contact Tyler Pipe or Union Foundry Company.

ADAPTER FLANGE



FM APPROVED

Wall Thickness Note:
Recommended for
ductile iron pipe Class
53 thru Class 56.



1. Place adapter flange and MJ gasket over the plain end of the pipe with the small side of the MJ gasket facing the flange side of the adapter flange.
2. Place the pipe end against flange to be joined and slip the MJ gasket into position against the flange. Make sure the gasket is evenly seated against the flange.
3. Slide adapter flange into position against the small (tapered) side of the MJ gasket and align the bolt holes. Insert the bolts and finger tighten the nuts to maintain position and alignment.
4. Snug up all nuts evenly. Alternating @ 180°, tighten the nuts to a torque of: **3" - 60 foot pounds; 4" thru 12" - 90 foot pounds.**
5. Snug up all set screws evenly around the pipe. Tighten the Torque Head Set Screws evenly, alternating at 180 degrees.

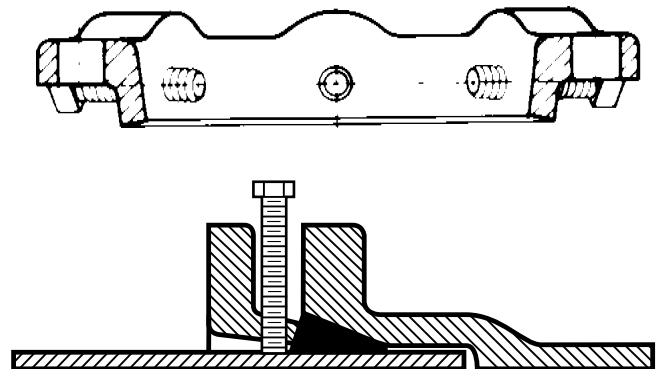
NOTE: THE TORQUE HEAD TOP WILL BREAK OFF AT THE RECOMMENDED SETTING OF 80-90 FT. LBS.
MAXIMUM DEFLECTION OF JOINT (2°)

RETAINER GLAND



Pipe Wall Thickness: Sizes 3"-12" are recommended for ductile iron pipe class 50 thru 56.
Sizes 14" thru 24" are recommended for ductile iron pipe class 53 thru 56.

1. Wash bell and plain end with soapy water, then slip gland and gasket over plain end with the small side of the gasket and ring side of the gland facing the bell.
2. Slip plain end into bell. Brush soapy water on gasket. This lubricates the gasket and allows it to slip easily into place. Push gasket into bell making sure it is evenly in the bell gasket landing.
3. Slide the gland into position against the back of the gasket. Align bolt holes, insert T-bolts and tighten nuts to finger tight.
4. Snug up all T-bolt nuts evenly. Alternating at 180°, tighten the T-bolt nuts to a torque of:
3" - 60 foot pounds 4" thru 24" - 90 foot pounds.
5. Snug up all set screws evenly. Using a torque wrench, tighten the set screws alternating at 180° to the recommended torque value of 75 foot pounds. If required double check set screws immediately.



Maximum recommended deflection of joints

3" thru 12"-2°; 14" thru 30" - 1°