

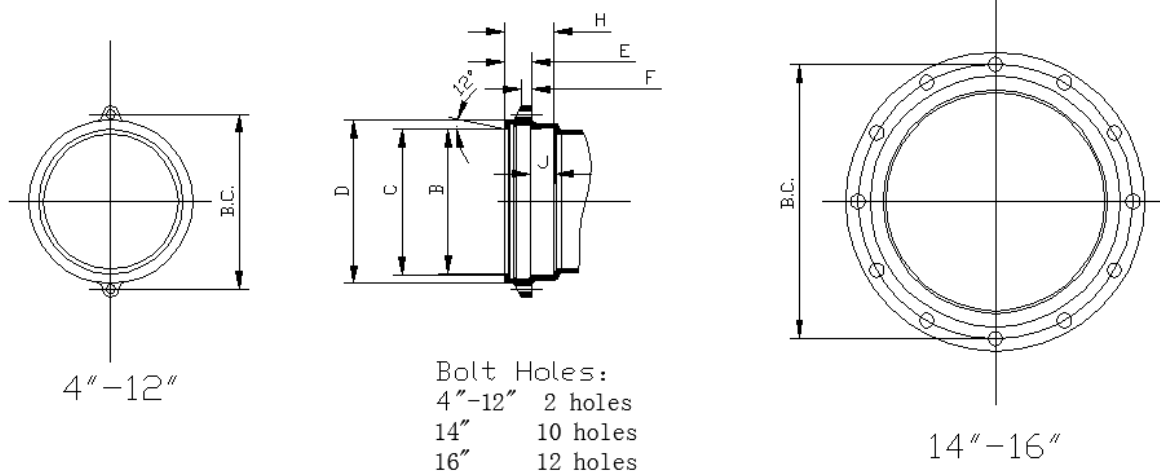


TERMINAL CITY IRON WORKS LTD.

PUSH-ON COMPACT FITTINGS, CLASS 350 | AWWA C153 DUCTILE IRON

BASIC SPECIFICATIONS

MATERIAL	Ductile Iron ASTM A536
PRESSURE	DI: 4" - 16" 350 psi WWp (Class 350)
TESTING	In accordance with AWWA C153 (ANSI A21.53)
LAYING LENGTH	Compact body design – straight section of body deleted to provide a compact, lighter fitting without reducing strength or flow characteristics, in accordance with AWWA C153 4" - 16"
CEMENT LINING	In accordance with AWWA C104 (ANSI A21.4)
COATING	Tar coated (bituminous) inside and out in accordance with AWWA C104 (ANSI 21.4) OR thermal plastic coating inside and out in accordance with AWWA C116 (ANSI A21.4)
GASKETS	SBR or NBR in accordance with AWWA C111 (ANSI A21.11)
STANDARDS	AWWA C153 (ANSI A21.53.88) for compact ductile iron fittings 4"-16"
APPROVALS	4"-12" Underwriters Laboratories listed



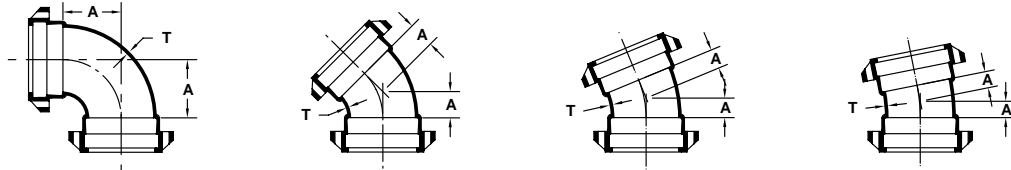
Bell Specifications for C153 Compact Ductile Iron Push On Fittings

SIZE	B	C	D	BC	H	J	E	F
4	4.89	5.00	6.54	7.88	4.00	1.96	2.12	0.87
6	6.99	7.12	8.86	9.81	4.00	1.96	2.12	0.87
8	9.14	9.28	10.94	12.06	4.50	2.14	2.75	1.00
10	11.19	11.32	13.00	14.12	4.50	2.06	2.88	1.12
12	13.29	13.44	15.35	16.50	5.00	2.36	3.00	1.12
14	15.44	15.99	17.64	18.75	5.50	2.48	3.12	1.25
16	17.56	18.11	19.84	21.25	6.00	2.98	3.25	1.25
18	19.61	19.83	22.37	23.25	6.00	2.98	3.25	1.38
20	21.71	21.94	24.39	25.50	6.00	2.98	3.25	1.38
24	25.91	26.14	29.00	30.00	6.00	2.98	3.25	1.38

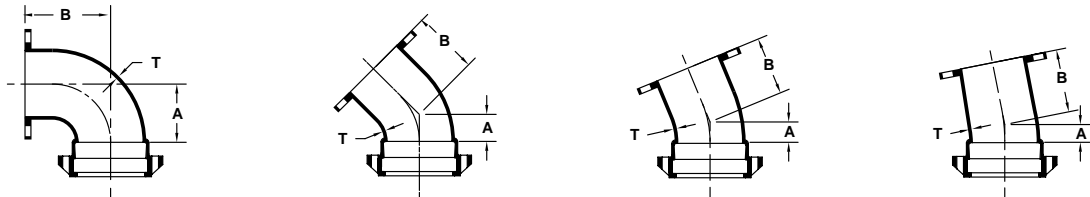


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COMPACT PUSH-ON FITTINGS | ANSI / AWWA C153 / A21.53



PO X PO BENDS									
SIZE	T	POB		POB		POB		POB	
		90°		45°		22 1/2°		11 1/4°	
		A	Wt	A	Wt	A	Wt	A	Wt
4	0.34	4.00	30	2.00	28	1.50	29	1.25	26
6	0.36	5.00	46	3.00	41	2.00	39	1.50	36
8	0.38	6.50	69	3.50	65	2.50	63	1.75	54
10	0.40	7.50	97	4.50	92	3.00	77	2.00	75
12	0.42	9.00	143	5.00	126	3.50	113	2.25	100
14	0.47	11.50	335	5.50	225	3.75	227	2.50	220
16	0.50	12.50	421	5.50	307	3.75	270	2.50	240



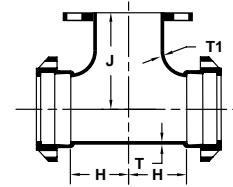
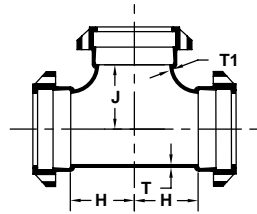
PO X FL BENDS													
SIZE	T	POFB			POFB			POFB			POFB		
		90°			45°			22 1/2°			11 1/4°		
		A	B	Wt	A	B	Wt	A	B	Wt	A	B	Wt
4	0.34	4.00	6.50	30	2.00	4.00	28	1.50	4.00	29	1.25	4.00	26
6	0.36	5.00	8.00	46	3.00	5.00	41	2.00	5.00	39	1.50	5.00	36
8	0.38	6.50	9.00	69	3.50	5.50	65	2.50	5.50	63	1.75	5.50	54
10	0.40	7.50	11.00	97	4.50	6.50	92	3.00	6.50	77	2.00	6.50	75
12	0.42	9.00	12.00	143	5.00	7.50	126	3.50	7.50	113	2.25	7.50	100
14	0.47	11.50	14.00	335	5.50	7.50	225	3.75	7.50	227	2.50	7.50	220
16	0.50	12.50	15.00	421	5.50	8.00	307	3.75	8.00	270	2.50	8.00	240

Four Tie Rod Lugs available on 4" - 12" bends.



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COMPACT PUSH-ON FITTINGS | ANSI / AWWA C153 / A21.53



PO X PO TEES			PO X FL TEES					
SIZE	T	T1	POL			POFT		
			H	J	Wt	H	J	Wt
4X4X4	0.34	0.34	4.00	4.00	46	4.50	6.50	48
6X6X4	0.36	0.34	4.00	5.00	56	4.50	8.00	62
6X6X6	0.36	0.36	5.00	5.00	67	5.50	8.00	70
8X8X4	0.38	0.34	4.00	6.50	80	4.50	9.00	84
8X8X6	0.38	0.36	5.00	6.50	86	5.50	9.00	95
8X8X8	0.38	0.38	6.50	6.50	102	6.50	9.00	113
10X10X4	0.40	0.34	4.00	7.50	115	4.50	11.00	111
10X10X6	0.40	0.36	5.00	7.50	138	5.50	11.00	145
10X10X8	0.40	0.38	6.50	7.50	149	6.50	11.00	161
10X10X10	0.40	0.40	7.50	7.50	186	7.50	11.00	165
12X12X4	0.42	0.34	4.00	8.75	142	4.50	12.00	144
12X12X6	0.42	0.36	5.00	8.75	136	5.50	12.00	145
12X12X8	0.42	0.38	6.50	8.75	162	6.50	12.00	169
12X12X10	0.42	0.40	7.50	8.75	185	7.50	12.00	245
12X12X12	0.42	0.42	8.75	8.75	202	8.75	12.00	243
14x14x6	0.47	0.36	6.50	10.50	270	6.50	14.00	286
14x14x8	0.47	0.38	7.50	10.50	278	7.50	14.00	313
14x14x10	0.47	0.40	8.50	10.50	314	8.50	14.00	—
14x14x12	0.47	0.42	9.50	10.50	320	9.50	14.00	380
14x14x14	0.47	0.47	10.50	10.50	400	10.50	14.00	420
16x16x6	0.50	0.36	6.50	11.50	340	6.50	15.00	350
16x16x8	0.50	0.38	7.50	11.50	370	7.50	15.00	385
16x16x10	0.50	0.40	8.50	11.50	385	8.50	15.00	426
16x16x12	0.50	0.42	9.50	11.50	440	9.50	15.00	438
16x16x14	0.50	0.47	10.50	11.50	—	10.50	15.00	528
16x16x16	0.50	0.50	12.50	12.50	525	12.50	15.00	548

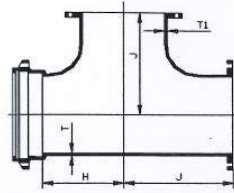


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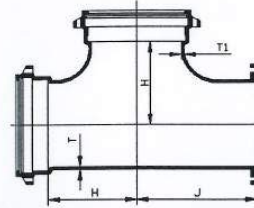
COMPACT PUSH-ON FITTINGS | ANSI / AWWA C153 / A21.53

Terminal City Iron
Works Ltd.

Compact Push-On Fittings
ANSI/AWWA C153/A21.53

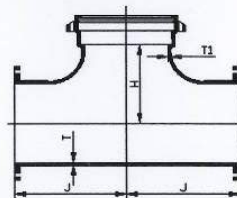


PO X FLX FL TEES



PO X FL X PO TEES

SIZE	T	T1	POFFT			POFPT		
			H	J	Wt	H	J	Wt
4X4X4	0.34	0.34	4.00	6.50	56	4.00	6.50	—
6X6X6	0.36	0.36	5.00	8.00	88	5.00	8.00	79
8X6X6	0.38	0.36	5.00	11.00	130	5.00	9.00	—
8X6X8	0.38	0.38	6.50	12.00	135	6.50	9.00	135
8X8X6	0.38	0.36	5.00	9.00	120	5.00	9.00	132
8X8X8	0.38	0.38	6.50	9.00	145	6.50	9.00	138
10X10X6	0.40	0.36	5.00	11.00	168	5.00	11.00	—
10X10X8	0.40	0.38	6.50	11.00	180	6.50	11.00	—
10X10X10	0.40	0.40	7.50	11.00	194	7.50	11.00	—
12X12X6	0.42	0.36	5.00	12.00	208	5.00	12.00	—
12X12X8	0.42	0.38	6.50	12.00	226	6.50	12.00	—
12X12X10	0.42	0.40	7.50	12.00	270	7.50	12.00	—
12X12X12	0.42	0.42	8.75	12.00	288	8.75	12.00	—



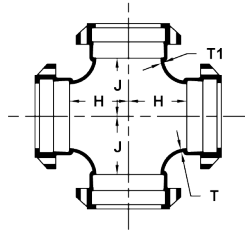
FL X FL X PO TEES

SIZE	FFPOT				
	T	T1	H	J	Wt
6X6X6	0.36	0.36	5.00	8.00	90
8X8X8	0.38	0.38	6.50	9.00	140



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COMPACT PUSH-ON FITTINGS | ANSI / AWWA C153 / A21.53

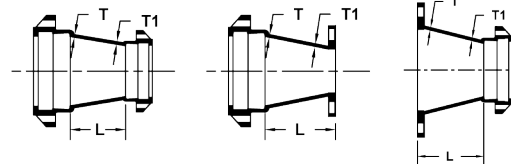


PO CROSSES					
SIZE	POX				
	T	T1	H	J	Wt
4X4	0.34	0.34	4.00	4.00	60
6X4	0.36	0.34	4.00	5.00	75
6X6	0.36	0.36	5.00	5.00	80
8X4	0.38	0.34	4.00	6.50	112
8X6	0.38	0.36	5.00	6.50	116
8X8	0.38	0.38	6.50	6.50	135
10X6	0.40	0.36	5.00	7.50	148
10X8	0.40	0.38	6.50	7.50	163
10X10	0.40	0.40	7.50	7.50	185
12X6	0.40	0.36	5.00	8.50	165
12X8	0.42	0.38	6.50	8.50	180
12X10	0.42	0.40	7.50	8.50	213
12X12	0.42	0.42	8.50	8.50	245
16X12	0.50	0.42	8.50	12.50	450
16X16	0.50	0.50	12.50	12.50	529



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COMPACT PUSH-ON FITTINGS | ANSI / AWWA C153 / A21.53

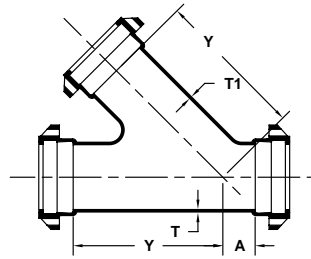


PO X PO REDUCERS			PO X FL REDUCERS				FL X PO REDUCERS	
SIZE	T	T1	POR		POFR		FPOR	
			L	Wt	L	Wt	L	Wt
4X3	0.34	0.33	—	—	5.00	35	—	—
6X4	0.36	0.34	4.00	33	6.00	39	6.70	50
8X4	0.38	0.34	5.00	46	7.00	57	7.30	60
8X6	0.38	0.36	4.00	49	6.00	58	7.50	65
10X4	0.40	0.34	7.00	85	9.00	94	—	—
10X6	0.40	0.36	5.00	65	7.00	80	6.50	85
10X8	0.40	0.38	4.00	72	6.00	90	9.00	90
12X4	0.42	0.34	9.00	92	11.00	101	—	—
12X6	0.42	0.36	7.00	76	9.00	95	10.00	128
12X8	0.42	0.38	5.00	82	7.00	110	9.00	120
12X10	0.42	0.4	4.00	100	6.00	130	8.50	110
14X6	0.47	0.36	9.00	140	11.00	145	—	—
14X8	0.47	0.38	7.00	145	—	—	—	—
14X10	0.47	0.4	5.00	140	—	—	—	—
14X12	0.47	0.42	4.00	143	6.00	169	—	—
16X6	0.50	0.36	11.00	180	14.00	200	—	—
16X8	0.50	0.38	9.00	185	12.00	208	—	—
16X10	0.50	0.4	7.00	180	10.00	213	—	—
16X12	0.50	0.42	5.00	190	7.00	220	—	—
16X14	0.50	0.47	4.00	210	6.00	278	—	—



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COMPACT PUSH-ON FITTINGS | ANSI / AWWA C153 / A21.53

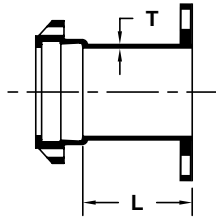


PO LATERALS 45 DEGREE					
SIZE	POL				
	T	T1	A	Y	Wt
4x4	0.34	0.34	2.50	9.50	57
6x4	0.36	0.34	3.00	13.00	80
6x6	0.36	0.36	3.00	13.00	82
8x6	0.38	0.36	3.50	16.00	130
8x8	0.38	0.38	3.50	16.00	134
10x6	0.40	0.36	3.50	19.00	165
10.8	0.40	0.38	3.50	19.00	180
10x10	0.40	0.4	3.50	19.00	200
12x6	0.42	0.36	4.50	22.50	239
12x8	0.42	0.38	4.50	22.50	255
12x10	0.42	0.4	4.50	22.50	276
12x12	0.42	0.42	4.50	22.50	285
14x6	0.47	0.36	0.00	19.50	—
14x8	0.47	0.38	1.50	21.00	—
14x10	0.47	0.4	3.00	22.50	—
14x14	0.47	0.47	6.00	25.00	—
16x6	0.50	0.36	0.00	21.00	—
16x8	0.50	0.38	1.00	22.50	—
16x12	0.50	0.42	3.50	25.00	—
16x16	0.50	0.50	6.00	28.00	—



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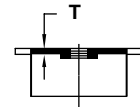
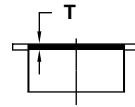
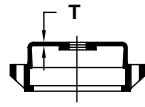
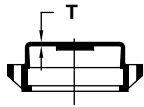


PO X FL ADAPTERS			
SIZE	POFA		
	T	L	WT
4	0.34	3.50	30
6	0.36	3.50	48
8	0.38	3.50	65
10	0.40	3.50	80
12	0.42	3.50	125
14	0.47	5.00	182
16	0.50	5.00	225
18	—	—	—
20	—	—	—
24	—	—	—



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COMPACT PUSH-ON FITTINGS | ANSI / AWWA C153 / A21.53

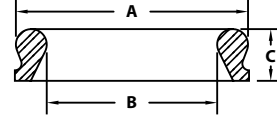
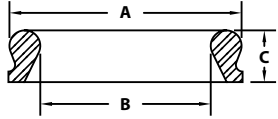


PO SOLID & TAPPED CAPS					PO SOLID & TAPPED PLUGS				
SIZE	T	POC	POCT		SIZE	T	POC	POCT	
		Wt	Tap	Wt			Wt	Tap	Wt
4	0.37	13	2"	16	4	0.37	10	2"	14
6	0.39	20	2"	25	6	0.39	16	2"	19
8	0.41	32	2"	37	8	0.41	24	2"	29
10	0.44	40	2"	50	10	0.44	40	2"	42
12	0.46	58	2"	86	12	0.46	43	2"	52
14	0.60	111	2"	111	14	0.60	89	2"	—
16	0.60	145	2"	140	16	0.60	108	2"	—



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COMPACT PUSH-ON FITTINGS | ANSI / AWWA C153 / A21.53



PO GASKETS

NOM. SIZE	A	B	C
4	5.74	4.54	1.00
6	7.86	6.64	1.00
8	10.15	8.73	1.21
10	12.22	10.80	1.30
12	14.34	12.92	1.30
14	16.90	15.90	1.65
16	19.01	17.01	1.65
18	21.13	19.13	1.65
20	23.25	21.25	1.65
24	27.48	25.48	1.65

PO TRANSITION GASKETS

NOM. SIZE	A	B	C
4	5.74	4.18	1.00
6	7.86	6.31	1.10
8	10.15	8.32	1.29
10	12.22	10.30	1.36
12	14.34	12.70	1.45

Standard push-on gaskets are Styrene-Butadiene (SBR) and also are available in Nitrile (NBR).