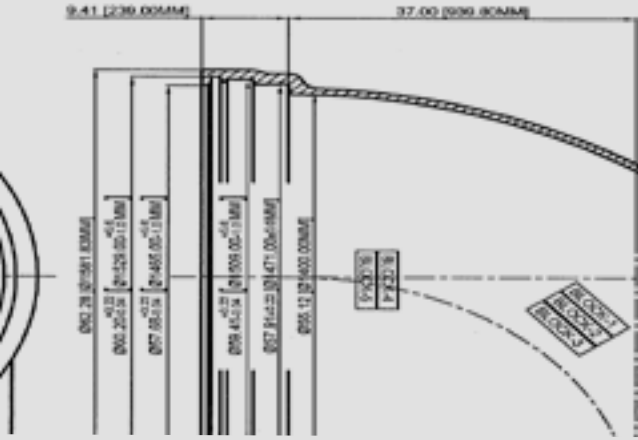




Quality – Service – Commitment – Delivered.

C153 DUCTILE IRON PUSH-ON FITTINGS



C153 DUCTILE IRON PUSH-ON FITTINGS BASIC SPECIFICATIONS

- SIZES:**
- 4" - 24"
- MATERIAL:**
- Ductile Iron ASTM A536, Grade 65-45-12, 60-42-10 or 70-50-05.
- PRESSURE:**
- 350 PSI Water Working Pressure 4" - 24"
- TESTING:**
- In accordance with ANSI/AWWA C153/A21.53.
 - In accordance with UL - FM requirement.
 - All fittings are hydrostatically tested in accordance with SIGMA Quality Management Standard.
 - All fittings are heat coded to ensure traceability and verification of metallurgical properties in accordance with SIGMA Quality Management Standards.
- LAYING LENGTH:**
- Short body design - straight section of body deleted to provide a compact and lighter fitting without reducing strength or flow characteristics.
 - In accordance with ANSI/AWWA C153/A21.53.
- DEFLECTION:**
- Up to 5 degrees, in accordance with TYTON JOINT bell design
- CEMENT LINING:**
- Double cement lined in accordance with ANSI/AWWA C104 / A21.4.
- COATING:**
- Interior of fitting is seal coated (asphaltic material) in accordance with ANSI AWWA C104/A21.4 and NSF61 approved.
 - Exterior of fitting is seal coated (asphaltic material) in accordance with ANSI/AWWA C153/A21.53 and NSF approved.
- GASKETS:**
- Dual hardness SBR in accordance with ANSI/AWWA C111/A21.11.
- JOINT:**
- TYTON JOINT® push-on bell joint design, manufactured by SIGMA under license from the United States Pipe and Foundry Company.
- APPROVALS:**
- 4"-12" Underwriters Laboratories listed and Factory Mutual Approved.
- STANDARDS:**
- Certified to NSF61 Standard including Annex G & 372.
 - ANSI/AWWA C153/A21.53 for Compact Ductile Iron Fittings 2"-64" for water and other liquids.
- INSTALLATION:**
- Per ANSI/AWWA C600 and C111 using DIP conforming to C150/C151 and PVC pipe conforming to C900/C905.

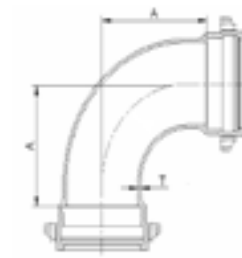
C153 DUCTILE IRON COMPACT PUSH-ON FITTINGS



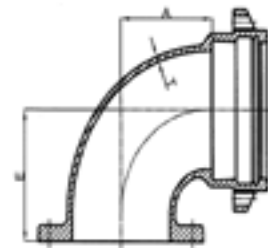
Quality – Service – Commitment – Delivered.

90° Bends

SIZE	ITEM NO.	Weight	A	T	ITEM NO	E
4	DPB490	25	4.00	0.34	PFB490	6.50
6	DPB690	46	5.00	0.36	PFB690	8.00
8	DPB890	69	6.50	0.38	PFB890	9.00
10	DPB1090	98	7.50	0.40	PFB1090	11.00
12	DPB1290	131	9.00	0.42	PFB1290	12.00
14	DPB1490	230	11.50	0.47	PFB1490	14.00
16	DPB1690	309	12.50	0.50	PFB1690	15.00
18	DPB1890	409	14.00	0.54	PFB1890	16.50
20	DPB2090	480	15.00	0.57	PFB2090	18.00
24	DPB2490	630	16.75	0.61	PFB2490	22.00



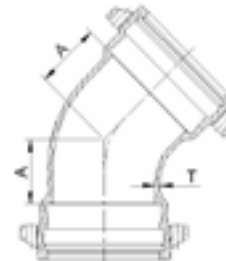
PO x PO Bend 90°



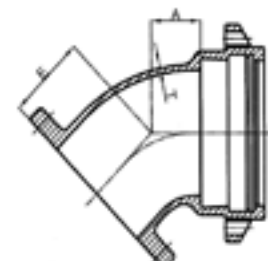
PO x Flanged 90°

45° Bends

SIZE	ITEM NO.	Weight	A	T	ITEM NO	E
4	DPB445	21	2.00	0.34	PFB445	4.00
6	DPB645	39	3.00	0.36	PFB645	5.00
8	DPB845	58	3.50	0.38	PFB845	5.50
10	DPB1045	79	4.50	0.40	PFB1045	6.50
12	DPB1245	109	5.50	0.42	PFB1245	7.50
14	DPB1445	180	5.00	0.47	PFB1445	7.50
16	DPB1645	266	5.50	0.50	PFB1645	8.00
18	DPB1845	350	6.00	0.54	PFB1845	8.50
20	DPB2045	420	7.00	0.57	PFB2045	9.50
24	DPB2445	450	7.50	0.61	PFB2445	11.00



PO x PO Bend 45°



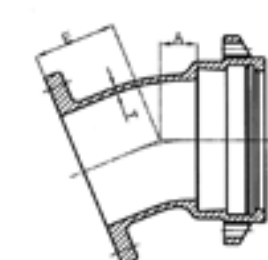
PO x Flanged 45°

22-1/2° Bends

SIZE	ITEM NO.	Weight	A	T	ITEM NO	E
4	DPB422	21	1.50	0.34	PFB422	4.00
6	DPB622	39	2.00	0.36	PFB622	5.00
8	DPB822	58	2.50	0.38	PFB822	5.50
10	DPB1022	80	3.00	0.40	PFB1022	6.50
12	DPB1222	106	3.50	0.42	PFB1222	7.50
14	DPB1422	180	3.75	0.47	PFB1422	7.50
16	DPB1622	269	3.75	0.50	PFB1622	8.00
18	DPB1822	340	4.50	0.54	PFB1822	8.50
20	DPB2022	380	4.50	0.57	PFB2022	9.50
24	DPB2422	420	4.50	0.61	PFB2422	11.00



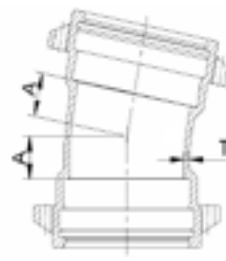
PO x PO Bend 22-1/2°



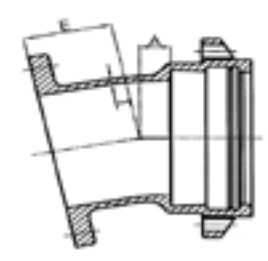
PO x Flanged 22-1/2°

11-1/4° Bends

SIZE	ITEM NO.	Weight	A	T	ITEM NO	E
4	DPB411	21	1.25	0.34	PFB422	4.00
6	DPB611	36	1.50	0.36	PFB622	5.00
8	DPB811	54	1.75	0.38	PFB822	2.50
10	DPB1011	68	2.00	0.40	PFB1022	6.50
12	DPB1211	93	2.25	0.42	PFB1222	7.50
14	DPB1411	180	2.50	0.47	PFB1422	7.50
16	DPB1611	271	2.50	0.50	PFB1622	8.00
18	DPB1811	350	3.00	0.54	PFB1822	8.50
20	DPB2011	390	3.00	0.57	PFB2022	9.50
24	DPB2411	430	3.00	0.61	PFB2422	11.00



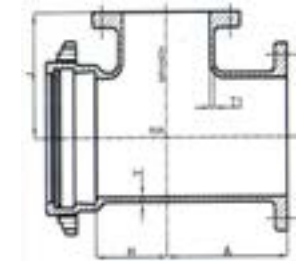
PO x PO Bend 11-1/4°



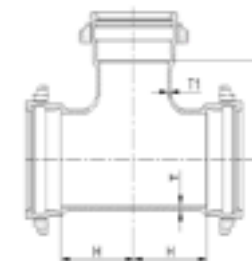
PO x Flanged 11-1/4°

TRIM TYTON x FLANGE x FLANGE TEES

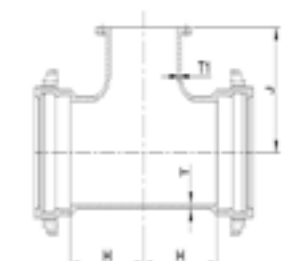
SIZE		ITEM NO.	Weight	H	A	J	T	T1
Run	Branch							
4	4	PFF44	59.00	4.00	8.00	6.50	0.34	0.34
6	4	PFF64	89.49	4.00	8.00	8.00	0.36	0.34
6	6	PFF66	94.00	5.00	9.00	8.00	0.36	0.36
8	4	PFF84	107.00	4.00	8.50	9.00	0.38	0.34
8	6	PFF86	112.00	5.00	9.50	9.00	0.38	0.36
8	8	PFF88	124.00	6.50	11.00	9.00	0.38	0.38
10	4	PFF104	148.00	4.00	8.50	11.00	0.40	0.34
10	6	PFF106	158.00	5.00	9.50	11.00	0.40	0.36
10	8	PFF108	7.50	6.50	11.00	11.00	0.40	0.38
10	10	PFF1010	7.50	7.50	12.00	11.00	0.40	0.40
12	4	PFF124	165.00	4.00	9.00	12.00	0.42	0.34
12	6	PFF126	175.50	5.00	10.00	12.00	0.42	0.36
12	8	PFF128	195.00	6.50	11.50	12.00	0.42	0.38
12	10	PFF1210	7.50	7.50	12.50	12.00	0.42	0.40
12	12	PFF1212	210.00	8.75	13.75	12.00	0.42	0.42



PO x Flange x Flange Tee



Tees (PO x PO)

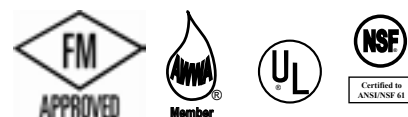


Tees (PO X Flange)

Tees

SIZE		ITEM NO.	Weight	H	J	T	T1	ITEM NO.	Weight	H	J	T	T1
Run	Branch												
4	4	DPT44	37	4.00	4.00	0.34	0.34	DPF44	39	4.00	6.50	0.34	0.34
6	4	DPT64	58	4.00	5.00	0.36	0.34	DPF64	63	4.00	8.00	0.36	0.34
6	6	DPT66	65	5.00	5.00	0.36	0.36	DPF66	67	5.00	8.00	0.36	0.36
8	4	DPT84	80	4.00	6.50	0.38	0.34	DPF84	80	4.00	9.00	0.38	0.34
8	6	DPT86	91	5.00	6.50	0.38	0.36	DPF86	88	5.00	9.00	0.38	0.36
8	8	DPT88	101	6.50	6.50	0.38	0.38	DPF88	100	6.50	9.00	0.38	0.38
10	4	DPT104	95	4.00	7.50	0.40	0.34	DPF104	97	4.00	11.00	0.40	0.34
10	6	DPT106	104	5.00	7.50	0.40	0.36	DPF106	108	5.00	11.00	0.40	0.36
10	8	DPT108	122	6.50	7.50	0.40	0.38	DPF108	130	6.50	11.00	0.40	0.38
10	10	DPT1010	131	7.50	7.50	0.40	0.40	DPF1010	144	7.50	11.00	0.40	0.40
12	4	DPT124	117	4.00	8.75	0.42	0.34	DPF124	122	4.00	12.00	0.42	0.34
12	6	DPT126	128	5.00	8.75	0.42	0.36	DPF126	134	5.00	12.00	0.42	0.36
12	8	DPT128	153	6.50	8.75	0.42	0.38	DPF128	156	6.50	12.00	0.42	0.38
12	10	DPT1210	156	7.50	8.75	0.42	0.40	DPF1210	175	7.50	12.00	0.42	0.40
12	12	DPT1212	190	8.75	8.75	0.42	0.42	DPF1212	196	8.75	12.00	0.42	0.42
14	4	DPT144	165	5.50	10.50	0.47	0.34	DPF144	225	5.50	14.00	0.47	0.34
14	6	DPT146	175	6.50	10.50	0.47	0.36	DPF146	247	6.50	14.00	0.47	0.36
14	8	DPT148	220	7.50	10.50	0.47	0.38	DPF148	265	7.50	14.00	0.47	0.38
14	10	DPT1410	280	8.50	10.50	0.47	0.40	DPF1410	285	8.50	14.00	0.47	0.40
14	12	DPT1412	330	9.50	10.50	0.47	0.42	DPF1412	300	9.50	14.00	0.47	0.42
14	14	DPT1414	390	10.50	10.50	0.47	0.47	DPF1414	320	10.50	14.00	0.47	0.47
16	6	DPT166	296	6.50	11.50	0.50	0.36	DPF166	308	6.50	15.00	0.50	0.36
16	8	DPT168	339	7.50	11.50	0.50	0.38	DPF168	339	7.50	15.00	0.50	0.38
16	10	DPT1610	353	8.50	11.50	0.50	0.40	DPF1610	360	8.50	15.00	0.50	0.40
16	12	DPT1612	385	9.50	11.50	0.50	0.42	DPF1612	380	9.50	15.00	0.50	0.42
16	14	DPT1614	425	10.50	11.50	0.50	0.47	DPF1614	410	10.50	15.00	0.50	0.47
16	16	DPT1616	486	11.50	11.50	0.50	0.50	DPF1616	440	11.50	15.00	0.50	0.50

Weights in Pounds, Less Accessories / Dimensions in inches
Ductile Iron per ASTM A536



Weights in Pounds, Less Accessories / Dimensions in inches
Ductile Iron per ASTM A536