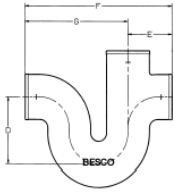


CAST IRON SOIL PIPE (TEN-FOOT LAYING LENGTH)

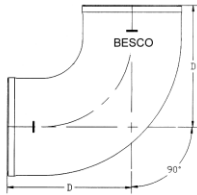
DIMENSIONS AND TOLERANCES

Product No.	Diameter	Pieces Per Lift	App. Piece Weight	App. Lift Weight	Inside Diameter Barrel	Outside Diameter Barrel	Outside Diameter Spigot	Width Spigot Bead	Thickness of Barrel		Gasket Positioning Lug
									T- Nom.	T- Min.	
					B	J	M	N (±.13)			W
NHP15	1½	84	29.0	2425	1.50 ± .09	1.90 ± .06	1.96 ± .06	.25	.16	.13	1.13
NHP20	2	64	35.0	2176	1.96 ± .09	2.35 ± .06	2.41 ± .09	.25	.16	.13	1.13
NHP30	3	44	54.0	2376	2.96 ± .09	3.35 ± .06	3.41 ± .09	.25	.16	.13	1.13
NHP40	4	30	76.0	2280	3.94 ± .09	4.38 + .09	4.44 ± .09	.31	.19	.15	1.13
NHP50	5	23	93.0	2175	4.94 ± .09	5.30 + .09	5.36 ± .09	.31	.19	.15	1.50
NHP60	6	17	100.0	1650	5.94 ± .09	6.30 + .09	6.36 ± .09	.31	.19	.15	1.50
NHP80	8	10	195.0	1810	7.94 ± .13	8.38 + .13	8.44 ± .09	.31	.23	.17	2.00
NHP100	10	8	250.0	2040	10.00 ± .13	10.56 ± .09	10.62 ± .09	.31	.28	.22	2.00
NHP120	12	6	300.0	2190	11.94 ± .09	12.50 ± .09	12.62 ± .09	.31	.28	.22	2.75



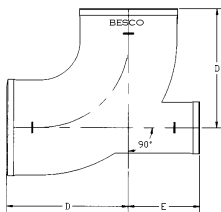
RUNNING TRAP WITH SINGLE VENT

Product No.	Size	D	E	F	G	App. Weight
A010289	4	6½	4½	15	10½	20.0
A010290	5	9	6	20	14	31.0
A010291	6	10¼	7	24	17	51.0



1/4 BEND

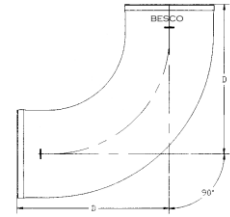
Product No.	Size	D	App. Weight
B0188	1½	4¼	2.0
B0190	2	4½	2.5
B0192	3	5	4.0
B0194	4	5½	6.0
B0196	5	6½	10.5
B0198	6	7	15.5
B0200	8	8½	28.0



1/4 BEND WITH HEEL OPENING

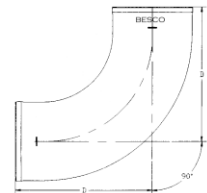
Product No.	Size	D	E	App. Weight
B0280	3x2	5	2-7/8	4.5
B0282	4x2	5½	3¼	6.5

1/4 MS BEND



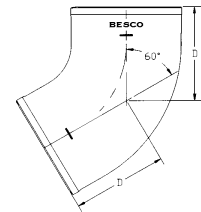
Product No.	Size	D	App. Weight
B0462	2	6½	3.5
B0464	3	7	5.5
B0468	4	7½	8.5
B0470	5	8½	14.0
B0472	6	9	16.5
B0474	8	10½	31.0
B0475	10	12	60.0
B0476	12	13¼	73.0

1/4 LS BEND

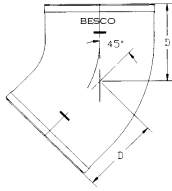


Product No.	Size	D	App. Weight
B0492	1½	9¼	5.0
B0494	2	9½	6.0
B0496	3	10	9.5
B0498	4	10½	12.5
B0500	5	11½	19.0
B0502	6	12	23.5

1/6 BEND

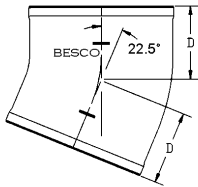


Product No.	Size	D	App. Weight
B0570	2	3¼	2.0
B0572	3	3½	3.0
B0574	4	3-13/16	5.0



1/8 BEND

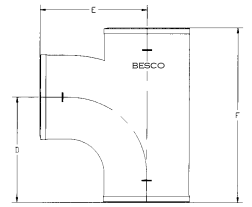
Product No.	Size	D	App. Weight
B0604	1½	2-5/8	1.5
B0606	2	2¾	2.0
B0608	3	3	3.0
B0610	4	3-1/8	4.5
B0612	5	3-7/8	7.0
B0614	6	4-1/16	7.5
B0616	8	5	20.0
B0617	10	5-5/16	31.0
B0618	12	6-9/16	35.0



1/16 BEND

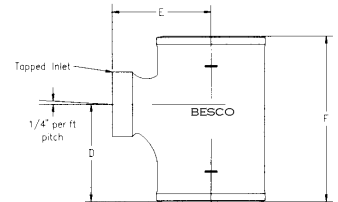
Product No.	Size	D	App. Weight
B0676	1½	2-1/8	1.5
B0678	2	2-1/8	1.5
B0680	3	2¼	2.5
B0682	4	2-5/16	3.0
B0684	5	2-7/8	5.0
B0686	6	3	6.0
B0688	8	3¾	12.5

SANITARY TEE

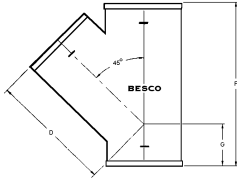


Product No.	Size	D	E	F	App. Weight
B0806	1½	4¼	4¼	6½	3.5
B0808	2x1½	4¼	4½	6-5/8	3.0
B0810	2	4½	4½	6-7/8	3.0
B0814	3x2	4½	5	6-7/8	4.0
B0816	3	5	5	8	5.0
B0818	4x2	4½	5½	6-7/8	6.0
B0820	4x3	5	5½	8	7.5
B0822	4	5½	5½	9-1/8	8.0
B0824	5x2	5	6	8½	9.0
B0826	5x3	5½	6	9-5/16	10.0
B0828	5x4	6	6	10-13/32	11.0
B0830	5	6½	6½	11-7/16	13.0
B0832	6x2	5	6½	8-3/16	10.5
B0834	6x4	6	6½	10-1/16	11.5
B0835	6x5	6½	7	11½	17.0
B0836	6	7	7	12-1/2	15.0
B0838	6x3	5½	6½	9-3/16	12.0
B0840	8	8½	8½	15½	30.0
B0842	8x6	7½	8	13½	25.0
B0844	8x5	7	8	12½	25.0
B0846	8x4	6½	7½	11½	20.0
B0848	8x3	6	7½	10-3/8	18.0

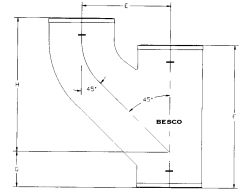
SANITARY TAPPED TEE



Product No.	Size	D	E	F	App. Weight
B1210	1½x1½	3¼	2-9/16	5-11/16	2.5
B1214	2x1½	3¼	2-13/16	5-11/16	3.0
B1216	2x2	3¾	3-1/16	6-3/8	3.5
B1222	3x2	3¾	3-9/16	6-3/8	4.5
B1223	3x3	4-7/8	4-3/16	8	7.5
B1228	4x2	3¾	4-1/16	6-3/8	5.5



WYE

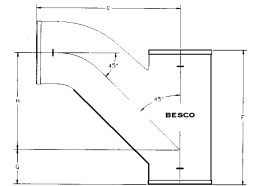


UPRIGHT WYE

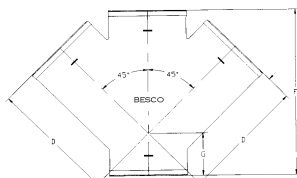
Product No.	Size	D	F	G	App. Weight
B1312	1½	4	6	2	2.5
B1314	2	4-5/8	6-5/8	2	3.0
B1316	3x2	5-5/16	6-5/8	1½	4.0
B1318	3	5-3/4	8	2¼	5.0
B1320	4x2	6	6-5/8	1	5.5
B1322	4x3	6½	8	1-11/16	7.5
B1324	4	7-1/16	9½	2-7/16	9.0
B1326	5x2	7½	8-1/16	15/16	7.0
B1328	5x3	8	9-11/16	1-11/16	11.0
B1330	5x4	8½	11-3/16	2-7/16	14.5
B1332	5	9½	12-5/8	3-1/8	15.5
B1334	6x2	8¾	8-5/16	½	10.0
B1336	6x3	8¾	9¾	1¼	12.0
B1338	6x4	9¾	11-3/16	1-15/16	13.5
B1340	6x5	10¾	12½	2-9/16	18.0
B1342	6	10¾	14-1/16	3-5/16	19.0
B1348	8x4	10-3/8	11-7/16	15/16	22.0
B1350	8x5	11-3/8	12-13/16	1-5/8	26.0
B1352	8x6	11-13/16	14-3/16	2-5/16	28.5
B1354	8	13-3/8	17-1/8	3¾	40.0
B1357	10x4	11-11/16	12-5/8	¾	37.0
B1359	10x6	13-1/8	15-7/16	2-3/16	48.0
B1360	10x8	14-11/16	18-3/8	3-5/8	57.0
B1361	10	16½	21½	5-1/16	74.0
B1362	12	19¾	25½	5¾	112.0

Product No.	Size	E	F	G	H	App. Weight
B1646	2	5½	7	2	8¼	5.0
B1648	3x2	5½	7	1½	8-3/16	5.5
B1650	3	5½	8-3/8	2-3/16	8-7/16	8.0

COMBINATION WYE & 1/8 BEND

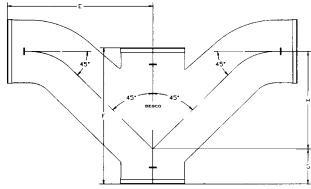


Product No.	Size	E	F	G	H	App. Weight
B1694	1½	5-3/8	6	2	2¾	3.5
B1698	2	6-5/8	6-5/8	2	3-3/8	4.0
B1700	3x2	6¾	6-5/8	1½	4	5.0
B1702	3	8	8	2¼	5-1/16	7.0
B1704	4x2	7¼	6-5/8	1-5/8	4½	6.5
B1706	4x3	8½	8	1-11/16	5-9/16	9.0
B1708	4	10	9½	2-7/16	6-13/16	13.0
B1710	5x2	7¾	8-1/16	15/16	5	8.0
B1712	5x3	9	9-11/16	1-11/16	6-1/16	12.0
B1714	5x4	10½	11-3/16	2-7/16	7-5/16	17.0
B1716	5	12½	12-5/8	3-1/8	8-5/8	21.5
B1718	6x2	8¾	8-5/16	½	5½	11.0
B1720	6x3	9½	9¾	1¼	6-9/16	13.0
B1722	6x4	11	11-3/16	1-15/16	7-13/16	17.5
B1724	6x5	13	12½	2-9/16	9-1/8	23.0
B1726	6	14-3/8	14-1/16	3-5/16	10-5/16	29.0
B1728	8x4	11-5/16	11-3/16	7/8	8-9/16	25.0
B1732	8x6	13-3/8	13-15/16	2-¼	9¾	34.0
B1734	8	15-9/16	16-15/16	3¾	11	52.0

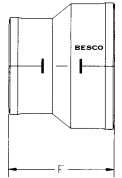


DOUBLE WYE

Product No.	Size	D	F	G	App. Weight
B1538	2	4-5/8	6-5/8	2	4.0
B1540	3x2	5-5/16	6-5/8	1½	4.5
B1542	3	5¾	8	2¼	6.0
B1544	4x2	6	6-5/8	1½	6.5
B1546	4x3	6½	8	1-11/16	7.5
B1548	4	7-1/16	9½	2-7/16	9.0



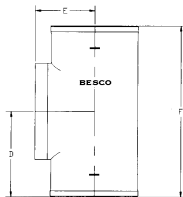
**DOUBLE
COMBINATION
WYE & 1/8 BEND**



**SHORT
INCREASER-REDUCER**

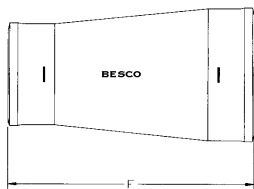
Product No.	Size	E	F	G	H	App. Weight
B1802	2	6-1/8	6-5/8	2	3-3/8	5.5
B1804	3x2	6 3/4	6-5/8	1 1/2	4	6.5
B1806	3	8	8	2 1/4	5-1/16	11.0
B1810	4x3	8 1/2	8	1-11/16	5-9/16	13.0
B1812	4	10	9 1/2	2-7/16	6-13/16	20.0

Product No.	Size	F	App. Weight
B2140	3x2	3-5/8	1.5
B2142	4x2	3-5/8	2.5
B2144	4x3	3-5/8	2.5
B2146	5x2	4	3.5
B2148	5x3	4	3.5
B2150	5x4	4	3.0
B2152	6x2	4	4.5
B2154	6x3	4	5.0
B2156	6x4	4	4.0
B2158	6x5	4 1/2	5.0
B2164	8x4	4 1/2	8.0
B2166	8x5	5	9.0
B2168	8x6	5	7.5
B2172	10x4	5 1/2	15.0
B2174	10x6	6	14.5
B2175	10x8	6	13.0
B2176	12x4	6 1/2	20.0
B2177	12x6	6 1/2	20.0
B2178	12x8	7	21.0
B2179	12x10	7 1/2	25.0

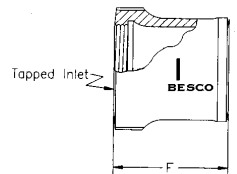


TEST TEE

Product No.	Size	D	E	F	App. Weight
B2046	2	3-3/16	2	6-3/8	3.0
B2048	3	3-7/8	2-11/16	7 3/4	5.5
B2050	4	4-7/16	3	8-7/8	8.5
B2052	5	5 3/4	4 1/2	11 1/2	19.0
B2054	6	6 1/4	5	12 1/2	23.0
B2056	8	7-5/8	6	15 1/4	30.0
B2058	10	10	6 1/2	20	59.0



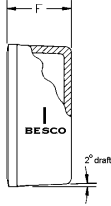
**INCREASER-
REDUCER**



TAPPED ADAPTERS

Product No.	Size	F	App. Weight
B2124	2x3	8	3.0
B2126	2x4	8	4.0
B2128	3x4	8	4.5

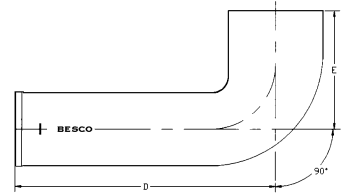
Product No.	Size	F	App. Weight
B2242	2x1 1/2	2-3/16	2.0
B2244	2x2	2-5/8	1.5



BLIND PLUG

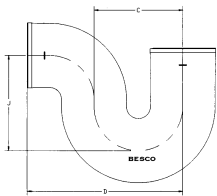
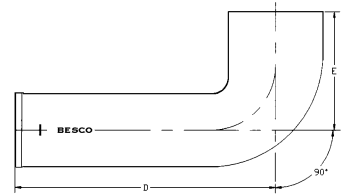
Product No.	Size	F	App. Weight
B2480	1½	1¾	1.0
B2482	2	1¾	1.0
B2484	3	1¾	1.5
B2486	4	1¾	2.0
B2488	5	1¾	3.0
B2490	6	1¾	3.5
B2492	8	2¼	6.5
B2494	10	3	14.0
B2495	12	3½	18.0

REDUCING CLOSET BEND



Product No.	Size	D	E	App. Weight
B2832	3x4x6x12	12	6	10.5
B2842	3x4x6x16	16	6	11.0
B2852	3x4x10x12	12	10	14.5
B2874	3x4x16x16	16	16	21.5

CLOSET BEND



P-TRAP

Product No.	Size	C	D	J	App. Weight
B2506	1½	3½	6¾	3½	5.5
B2508	2	4	7½	4	6.5
B2510	3	5	9	5½	11.0
B2512	4	6	10½	6½	13.0
B2514	6	8	14	7½	33.0

Product No.	Size	D	E	App. Weight
B2904	4x4x6x12	12	6	11.0
B2924	4x4x10x12	12	10	14.0

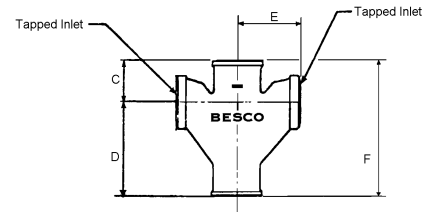
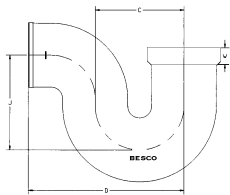


FIGURE 1A

Product No.	Size	C	D	E	F	App. Weight
B8002	2x1½	2-1/8	4-7/8	3-3/16	7	5.5



P-TRAP WITH TAPPED INLET

Product No.	Size	C	D	J	W	App. Weight
B2586	2x1½	4	7½	4	1-1/8	5.0

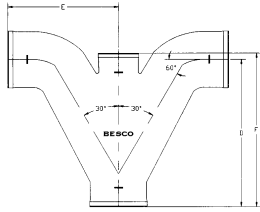
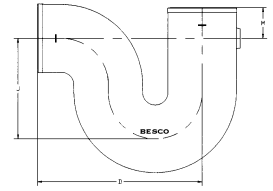


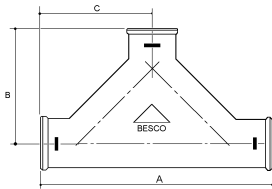
FIGURE 5

Product No.	Size	D	E	F	App. Weight
B8052	2	6½	5	8	6.0
B8054	3x2	8-7/8	6-9/16	9¼	11.5
B8056	3	8-7/8	6-9/16	10-1/8	13.5
B8062	4	10¼	7¾	12	20.5

P-TRAP WITH PRIMER



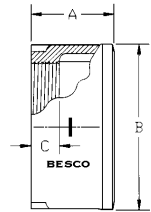
Product No.	Size	D	J	M	App. Weight
B8530	2	7½	4	2	5.0
B8532	3	9	5½	2	10.0
B8534	4	10½	6½	2	15.0



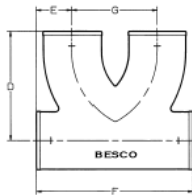
TWO-WAY CLEANOUT

Product No.	Size	A	B	C	App. Weight
B8446	4x4x4	18-3/8	9½	9-3/16	24.0

IRON BODY CLEANOUT-TAPPED



Product No.	Size	A	B	C	App. Weight
B8564	3	2-3/16	3-3/8	¾	1.5
B8566	4	2-3/16	4-7/16	¾	2.0
B8570	6	4½	6-5/16	1	10.0
B8572	8	4-5/8	8-3/8	1	12.0



DOUBLE TWO-WAY CLEANOUT

Product No.	Size	D	E	F ²	G	App. Weight
B8452	4	8¼	2¾	12	6½	24.0