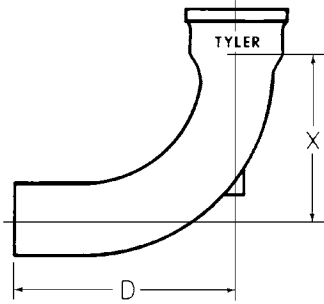


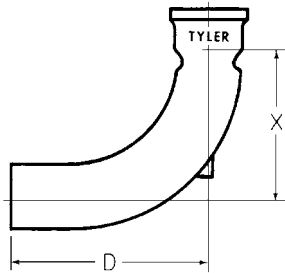


SV (SERVICE) ASA GROUP 021 SWEEPS, TEES



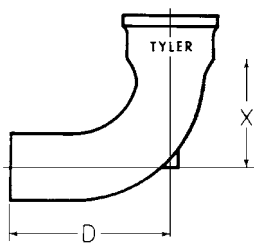
LONG SWEEP BEND

Ship Code	UPCode 067610	Size	X	D	Wt.
S	001041	2	8 ¹ / ₄	11	8
S	001058	3	9	12	11
S	001065	4	9 ¹ / ₂	13	20
S	001072	5	10	13 ¹ / ₂	20
S	001089	6	10 ¹ / ₂	14	30
S	001096	8	11 ⁵ / ₈	16 ¹ / ₂	54
S	382638	10	12 ⁵ / ₈	17 ¹ / ₂	95
N	383581	12	13 ³ / ₄	20	105
S	393016	15	15 ¹ / ₄	21 ¹ / ₂	230



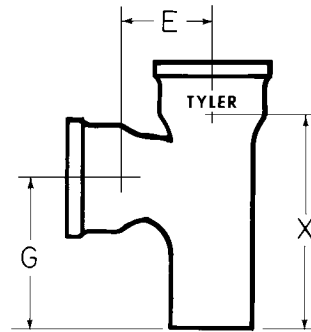
LONG SWEEP BEND, REDUCING

Ship Code	UPCode 067610	Size	X	D	Wt.
S	001188	3x2	9	12	11
S	001195	4x3	9 ¹ / ₂	13	13



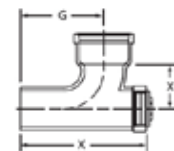
SHORT SWEEP BEND

Ship Code	UPCode 067610	Size	X	D	Wt.
S	001102	2	5 ¹ / ₄	8	6
S	001119	3	6	9	10
S	001126	4	6 ¹ / ₂	10	14
S	001133	5	7	10 ¹ / ₂	16
S	001140	6	7 ¹ / ₂	11	25
S	001157	8	8 ⁵ / ₈	13 ¹ / ₂	48
S	001164	10	9 ⁵ / ₈	14 ¹ / ₂	78
S	383284	12	10 ³ / ₄	17	107



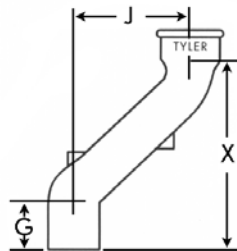
SAN TEE

Ship Code	UPCode 067610	Size	X	E	G	Wt.
S	001287	2	8	2 ³ / ₄	6 ¹ / ₄	7
S	001294	3x2	9	4	7	11
S	001300	3	10	4	7 ¹ / ₂	11
S	001317	4x2	9	4 ¹ / ₂	7	13
S	001324	4x3	10	4 ¹ / ₂	7 ¹ / ₂	15
S	001331	4	11	4 ¹ / ₂	8	17
S	001348	5x4	11	5	8	18
S	001355	5	12	5	8 ¹ / ₂	19
S	001362	6x2	9	5 ¹ / ₂	7	17
S	001379	6x3	10	5 ¹ / ₂	7 ¹ / ₂	19
S	001386	6x4	11	5 ¹ / ₂	8	24
S	001393	6	13	5 ¹ / ₂	9	29
S	001409	8x4	13	6 ¹ / ₂	9 ³ / ₄	38
S	001416	8x6	15	6 ¹ / ₂	10 ³ / ₄	40
S	001423	8	17	6 ⁵ / ₈	11 ³ / ₄	49
S	001430	10x4	13	7 ¹ / ₂	9 ³ / ₄	50
S	001447	10x6	15	7 ¹ / ₂	10 ³ / ₄	55
S	001454	10x8	17	7 ⁵ / ₈	11 ³ / ₄	68
S	001461	10	19	7 ⁵ / ₈	12 ³ / ₄	78
S	001478	12x6	16 ¹ / ₂	8 ¹ / ₂	12	80
S	001485	12x8	18 ¹ / ₂	8 ⁵ / ₈	13	111
S	001492	12x10	20 ¹ / ₂	8 ⁵ / ₈	14	115
S	001508	12	22 ¹ / ₂	8 ³ / ₄	15	113
N	001515	15x6	16 ¹ / ₂	10	12	145
N	001522	15x8	19 ¹ / ₂	10 ⁵ / ₈	13	173
N	001546	15x12	22 ¹ / ₂	10 ¹ / ₄	15	204
S	001553	15	25 ¹ / ₂	10 ¹ / ₄	16 ¹ / ₂	245



Sanitary Tee w/ Cleanout on Main

Ship Code	UPCode 067610	Size	IPS Tap	G	X	X1	Wt.
N	112822	4	3 ¹ / ₂	8	12 ¹ / ₈	4 ¹ / ₂	18

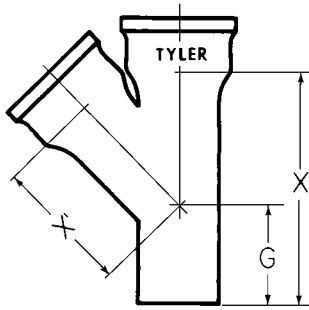


45 DEGREE OFFSET

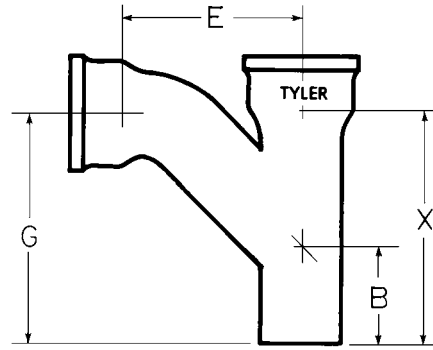
Ship Code	UPCode 067610	Size-Offset	X	G	J	Weight
N	003540	4" - 4"	11	4	4	12
N	003557	4" - 6"	13	4	6	15
N	003564	4" - 8"	15	4	8	18



SV (SERVICE) ASA GROUP 021 Y'S, COMBINATIONS, TEES



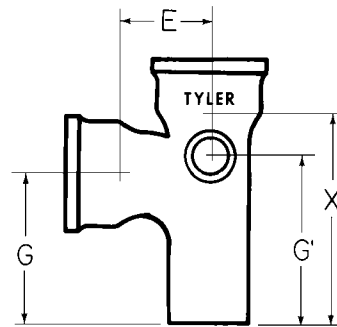
WYE



COMBINATION

Ship Code	UPCode 067610	Size	X	X'	G	Wt.
S	001560	2	8	4	4	8
S	001577	3x2	9	5	4 ³ / ₁₆	12
S	001584	3	10 ¹ / ₂	5 ¹ / ₂	5	14
S	001591	4x2	9	5 ³ / ₄	3 ⁵ / ₈	13
S	001607	4x3	10 ¹ / ₂	6 ¹ / ₄	4 ⁷ / ₁₆	17
S	001614	4	12	6 ³ / ₄	5 ¹ / ₄	18
S	001621	5x2	9	6 ¹ / ₂	3 ³ / ₈	14
S	001638	5x3	10 ¹ / ₂	7	3 ³ / ₈	17
S	001645	5x4	12	7 ¹ / ₂	4 ¹¹ / ₁₆	19
S	001652	5	13 ¹ / ₂	8	5 ¹ / ₂	26
S	001669	6x2	9	7 ¹ / ₄	2 ⁵ / ₁₆	20
S	001676	6x3	10 ¹ / ₂	7 ³ / ₄	3 ³ / ₈	19
S	001683	6x4	12	8 ¹ / ₄	4 ³ / ₁₆	27
S	001690	6x5	13 ¹ / ₄	8 ³ / ₄	4 ¹⁵ / ₁₆	31
S	001706	6	15	9 ¹ / ₄	5 ³ / ₄	36
S	383482	8x2	10 ¹ / ₂	8 ¹ / ₂	3 ³ / ₈	31
S	387848	8x3	12	9	3 ¹⁵ / ₁₆	33
S	001713	8x4	13 ¹ / ₂	9 ¹ / ₂	4 ³ / ₄	45
S	001720	8x5	15	10	5 ¹ / ₂	39
S	001737	8x6	16 ¹ / ₂	10 ¹ / ₂	6 ⁵ / ₁₆	53
S	001744	8	19 ¹ / ₂	11 ¹³ / ₁₆	7 ¹ / ₁₆	65
S	001751	10x3	12	11	2 ¹ / ₂	56
S	001768	10x4	13 ¹ / ₂	11 ³ / ₈	3 ³ / ₁₆	64
S	001775	10x5	15	11 ³ / ₈	4 ⁵ / ₁₆	65
S	001782	10x6	16 ¹ / ₂	12 ³ / ₈	5 ⁵ / ₈	76
S	001799	10x8	19 ¹ / ₂	13 ⁷ / ₁₆	6 ¹ / ₂	85
S	001805	10	22 ¹ / ₂	14 ¹ / ₂	8	107
S	001812	12x4	15	12 ⁷ / ₁₆	4 ³ / ₈	76
S	001829	12x5	16 ¹ / ₂	12 ¹⁵ / ₁₆	4 ⁷ / ₈	75
S	001836	12x6	18	13 ⁷ / ₁₆	5 ¹¹ / ₁₆	84
S	001843	12x8	21	14 ³ / ₄	7 ¹ / ₁₆	110
S	001850	12x10	24	15 ¹³ / ₁₆	8 ³ / ₁₆	159
S	001867	12	27	16 ⁷ / ₈	10 ³ / ₈	176
S	001874	15x4	15	14	3 ¹ / ₄	138
S	001881	15x6	18	15 ³ / ₄	4	171
S	001898	15x8	21	17 ¹ / ₁₆	5 ³ / ₈	207
S	001904	15x10	24	18 ³ / ₈	6 ⁷ / ₈	213
S	001911	15x12	27	19 ³ / ₁₆	8 ⁷ / ₁₆	242
S	001928	15	31 ¹ / ₂	20 ³ / ₄	10 ³ / ₄	333

Ship Code	UPCode 067610	Size	X	B	E	G	Wt.
S	001966	2	8	4	4 ⁷ / ₈	7 ³ / ₈	8
S	001973	3x2	9	4 ³ / ₁₆	5 ³ / ₄	8 ³ / ₁₆	12
S	001980	3	10 ¹ / ₂	5	7	10 ¹ / ₁₆	14
S	001997	4x2	9	3 ¹¹ / ₁₆	6 ¹ / ₄	8 ³ / ₁₆	15
S	002000	4x3	10 ¹ / ₂	4 ¹ / ₂	7 ¹ / ₂	10 ¹ / ₁₆	18
S	002017	4	12	5 ¹ / ₄	9	12 ¹ / ₁₆	24
S	002024	5x2	9	3 ³ / ₈	6 ³ / ₄	8 ³ / ₈	15
S	383123	5x3	10 ¹ / ₂	4	8	10 ¹ / ₁₆	22
S	002031	5x4	12	4 ¹ / ₄	9 ¹ / ₂	11 ³ / ₁₆	24
S	002048	5	13 ¹ / ₂	5 ¹ / ₂	11	14 ³ / ₈	26
S	002055	6x2	9	2 ¹¹ / ₁₆	7 ¹ / ₄	8 ³ / ₁₆	17
S	002062	6x3	10 ¹ / ₄	3 ³ / ₈	8 ¹ / ₂	9 ¹¹ / ₁₆	21
S	002079	6x4	12	4 ¹ / ₄	10	12 ¹ / ₁₆	32
S	388258	6x5	13 ¹ / ₂	5 ¹ / ₁₆	11 ¹ / ₂	14 ³ / ₁₆	40
S	002086	6	15	5 ³ / ₄	12 ⁷ / ₈	16 ¹ / ₁₆	45
N	383611	8x2	10 ¹ / ₂	3 ³ / ₈	8 ¹ / ₄	9 ⁵ / ₈	34
S	002093	8x4	13 ¹ / ₂	4 ³ / ₄	11	13 ³ / ₁₆	44
N	384748	8x5	10 ¹ / ₂	5 ¹ / ₂	12 ¹ / ₂	15 ³ / ₈	53
S	002109	8x6	16 ¹ / ₂	6 ⁵ / ₁₆	13 ⁷ / ₈	17 ⁵ / ₈	60
S	002116	8	19 ¹ / ₂	7 ¹ / ₁₆	17	21 ³ / ₁₆	85

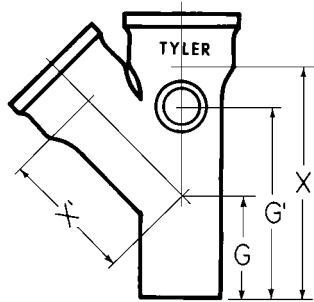


**SAN TEE
w/2" Hub Side Openings**

Ship Code	UPCode 067610	Size	X	E	G	G'	Wt.
S	002277	3R	10	4	7 ¹ / ₂	8	15
S	002291	3L	10	4	7 ¹ / ₂	8	15
S	002284	4R	11	4 ¹ / ₂	8	9	20
S	002307	4L	11	4 ¹ / ₂	8	9	20
S	002321	4R&L	11	4 ¹ / ₂	8	9	21

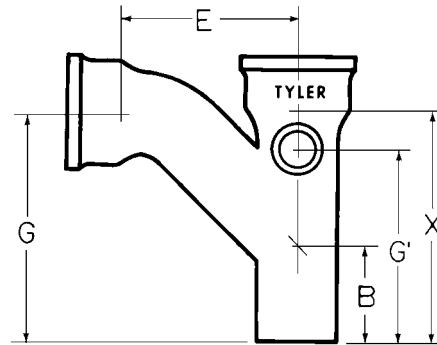


SV (SERVICE) ASA GROUP 021 Y'S, COMBINATIONS, TEES, "H" BRANCHES



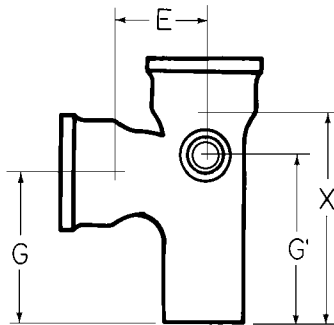
WYE
w/2" Hub Side Opening

Ship Code	UPCode 067610	Size	X	X'	G	G'	Wt.
S	002390	4R	12	6 ³ / ₄	5 ¹ / ₄	10	18
S	002406	4L	12	6 ³ / ₄	5 ¹ / ₄	10	18



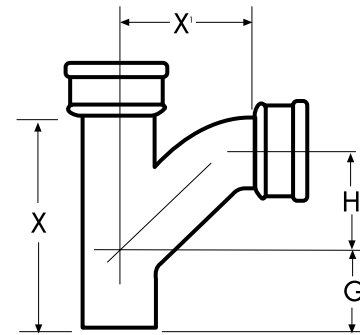
COMBINATION
w/2" Hub Side Opening

Ship Code	UPCode 067610	Size	X	B	E	G	G'	Wt.
S	002413	4R	12	5 ¹ / ₄	9	12 ¹ / ₁₆	10	27
S	002420	4L	12	5 ¹ / ₄	9	12 ¹ / ₁₆	10	27



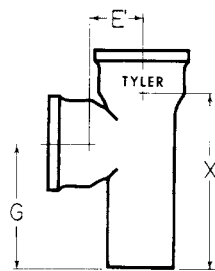
SAN TEE W/SIDE TAPS

Ship Code	UPCode 067610	Size	X	E	G	G'	Wt.
N	002369	4"w/2" R Tap	11	4 ¹ / ₂	8	9	20
N	002376	4"w/2" L Tap	11	4 ¹ / ₂	8	9	20
N	002383	4"w/2" L&R Tap	11	4 ¹ / ₂	8	9	20



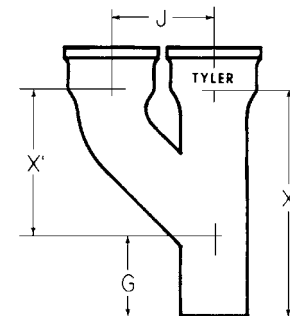
COMBINATION (SHORT TURN)

Ship Code	UPCode 0670610	Size	G	H	X	X'	Wt.
N	086192	4	5 ⁷ / ₁₆	4 ³ / ₈	11 ³ / ₈	6 ¹ / ₂	19



STRAIGHT TEE

Ship Code	UPCode 067610	Size	X	G	E'	Wt.
S	001201	2	8	6 ¹ / ₄	1 ³ / ₄	7
S	001218	3x2	9	7	2 ¹ / ₂	9
S	001225	3	10	7 ¹ / ₂	2 ¹ / ₂	12
S	001232	4x2	9	7	3	13
S	001249	4x3	10	7 ¹ / ₂	3	14
S	001256	4	11	8	3	15
S	001263	6x4	11	8	4	22
N	001270	6	13	9	4	24
N	113324	8x4	12 ⁷ / ₈	9 ⁵ / ₈	5 ¹ / ₄	37

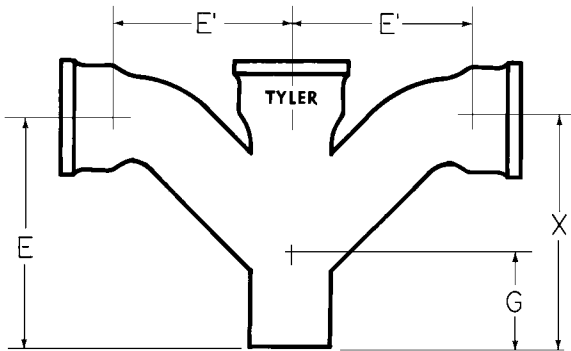


"H" BRANCH

Ship Code	UPCode 067610	Size	X	X'	J	G	Wt.
N	002222	2	10	6	4 ¹ / ₂	4	8
N	002239	3x2	10 ¹¹ / ₁₆	6 ³ / ₄	5	4 ³ / ₁₆	10
S	002246	3	12 ⁷ / ₁₆	7 ⁷ / ₁₆	5 ¹ / ₂	5	12
N	002253	4x3	12 ³ / ₁₆	6 ¹⁵ / ₁₆	6	4 ¹ / ₂	14
S	002260	4"	13 ¹⁵ / ₁₆	8 ¹¹ / ₁₆	6 ¹ / ₂	5 ¹ / ₄	18

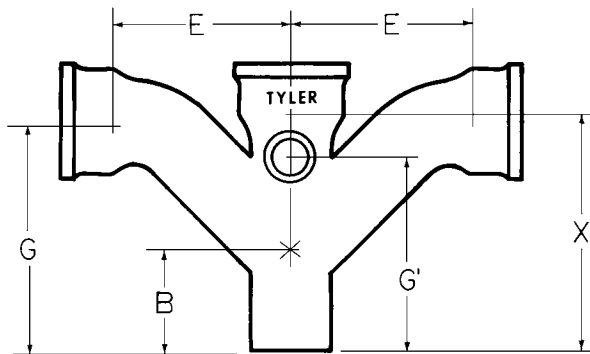


SV (SERVICE) ASA GROUP 021 COMBINATIONS, TEES



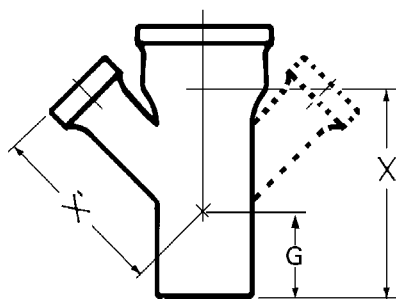
DOUBLE COMBINATION

Ship Code	UPCode 067610	Size	X	E'	E	G	Wt.
S	002758	2	8	4 ⁷ / ₈	7 ³ / ₈	4	11
S	002765	3x2	9	5 ³ / ₄	8 ³ / ₁₆	4 ³ / ₈	14
S	002772	3	10 ¹ / ₂	7	10 ¹ / ₁₆	5	20
S	002789	4x2	9	6 ¹ / ₄	8 ³ / ₁₆	3 ¹ / ₁₆	17
S	002796	4x3	10 ¹ / ₂	7 ¹ / ₂	10 ¹ / ₁₆	4 ¹ / ₂	23
S	002802	4	12	9	12 ¹ / ₁₆	5 ¹ / ₄	34
S	010925	5x4	12	9 ¹ / ₂	11 ¹ / ₁₆	4 ¹ / ₄	38
S	002819	6x4	12	10	12 ¹ / ₁₆	4 ¹ / ₄	52
S	002826	6	15	12 ⁷ / ₈	16 ¹ / ₁₆	5 ³ / ₄	80



DOUBLE COMBINATION w/2" Hub Side Opening

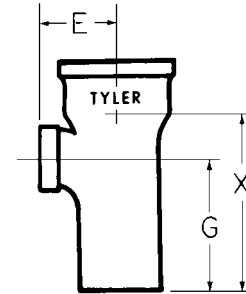
Ship Code	UPCode 067610	Size	X	B	E	G	G'	Wt.
S	002949	4	12	5 ¹ / ₄	9	12 ¹ / ₁₆	10	33



Ship Code	UPCode 067610	Size	X	X'	G	Wt.
S	003236	3x2	9	6 ⁵ / ₈	4	9
S	003243	4x1 ¹ / ₂	9	7 ⁷ / ₈	5 ¹ / ₄	12
S	003250	4x2	9	7 ⁷ / ₈	5 ¹ / ₄	12

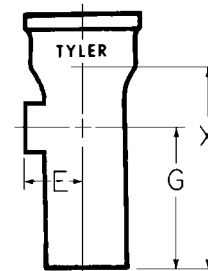
TAPPED DOUBLE WYE

Ship Code	UPCode 670610	Size	X	X'	Wt.
S	003441	4x2	9	7 ⁷ / ₈	21



TAPPED SAN TEE

Ship Code	UPCode 067610	Size x Tap	X	E	G	Wt.
S	003120	2x1 ¹ / ₄	8	2 ¹⁵ / ₁₆	6 ¹ / ₄	6
S	003137	2x1 ¹ / ₂	8	2 ¹⁵ / ₁₆	6 ¹ / ₄	6
S	003144	2x2	8	3 ¹ / ₁₆	6 ¹ / ₄	7
S	003168	3x1 ¹ / ₂	9	3 ⁵ / ₁₆	7	8
S	003175	3x2	9	3 ⁵ / ₁₆	7	9
S	003182	3x3	10	3 ⁵ / ₈	7 ¹ / ₄	11
S	003205	4x1 ¹ / ₂	9	3 ¹⁵ / ₁₆	7	13
S	003212	4x2	9	4 ¹ / ₁₆	7	13
N	399247	4x3	11	3 ¹⁵ / ₁₆	8	14



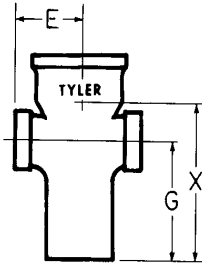
STRAIGHT TAPPED TEE

Ship Code	UPCode 670610	Size	X	E	G	Wt.
N	002963	2x1 ¹ / ₂	8	2	6 ¹ / ₄	5.5
S	024507	2x2	8	2	6 ¹ / ₄	6
N	002994	3x1 ¹ / ₂	9	2 ¹ / ₂	7	7.4
S	003007	3x2	9	2 ¹ / ₂	7	7
S	003045	4x2	9	3	7	11
N	392071	4x3	11	4	8	12
N	003069	4x4	9	3	7	15
S	003106	6x4	13	7	9	25
S	003076	5x2	12	3 ¹ / ₂	7 ⁷ / ₈	13
S	003083	5x4	12	3 ¹ / ₂	8 ¹ / ₂	15
S	003090	6x2	13 ¹ / ₄	3 ⁵ / ₈	9	26
S	003106	6x4	13	7	9	25

TAPPED WYE

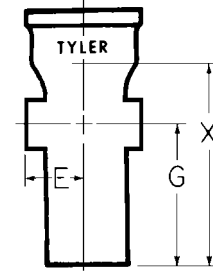


SV (SERVICE) ASA GROUP 021 CROSSES, CLEANOUTS, PLUGS & TEES



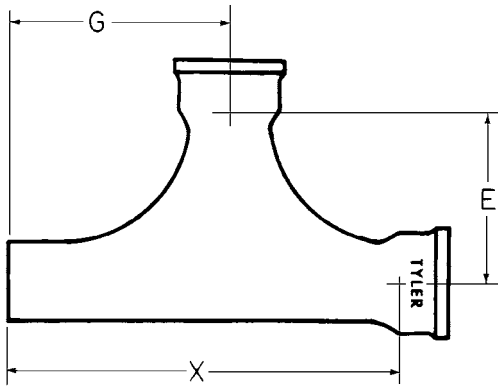
TAPPED SAN CROSS

Ship Code	UPCode 067610	Size x Tap	X	E	G	Wt.
S	003359	2x1½	8	3 1/6	6¼	8
N	003366	2x2	8	3 1/6	6¼	8
S	003380	3x1½	9	3 3/6	7	10
S	003397	3x2	9	3 3/6	7	10
S	003410	4x1½	9	4 1/6	7	12
S	003427	4x2	9	4 1/6	7	12



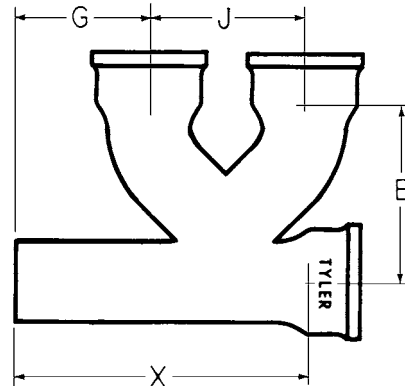
STRAIGHT TAPPED CROSS

Ship Code	UPCode 670610	Size	X	E	G	Wt.
S	003311	3x2	9	2½	7	9
S	003328	4x2	9	3	7	11
S	003335	5x2	9	3½	7¼	13



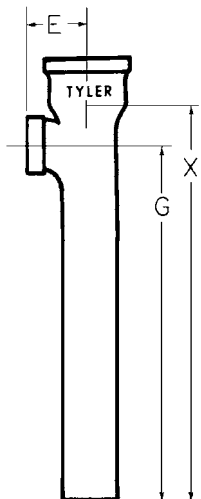
**TWO-WAY CLEANOUT
Memphis Code**

Ship Code	UPCode 067610	Size	X	E	G	Wt.
S	003465	4	22 5/8	9 3/8	12 3/4	34.5



TWO-WAY CLEANOUT

Ship Code	UPCode 067610	Size	X	E	G	J	Wt.
S	003519	4	13 5/8	7 1/2	6 1/2	6 7/16	29
S	003526	5x5x4x4	13 5/8	8	6 1/2	6 7/16	31
S	003533	6x6x4x4	13 5/8	8 1/2	6 1/2	6 7/16	35



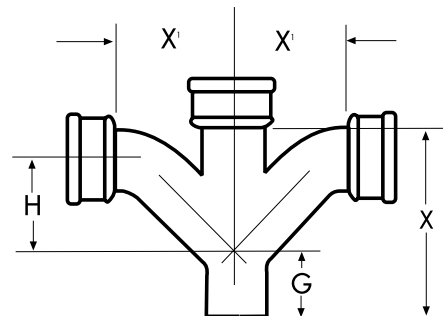
LONG TAP SAN TEE

Ship Code	UPCode 067610	Size	X	E	G	Wt.
S	380016	2x2-18	18	3 1/6	16	8



PIPE PLUG

Ship Code	UPCode 670610	Size	F	Wt.
S	004035	2	3 1/2	1
S	004042	3	3 3/4	2
S	004059	4	4	3
N	004066	5	4	6
S	004073	6	4	6
S	004080	8	4 1/2	11
S	004097	10	4 1/2	17
S	004103	12	5 1/4	25
S	004110	15	5 1/4	35



DOUBLE COMBINATION (SHORT TURN)

Ship Code	UPCode 067610	Size	G	H	X	X	Wt.
N	393245	4	5 7/16	4 3/8	11 3/8	6 1/2	26