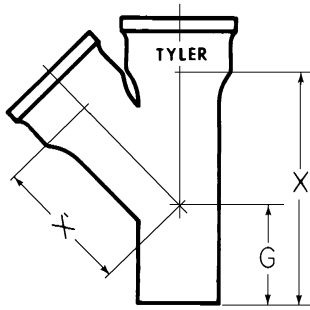
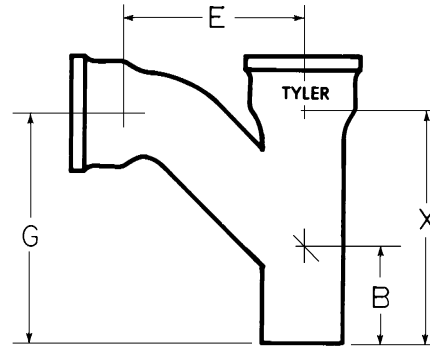




SV (Service) ASA Group 021 Y's, COMBINATIONS, TEES



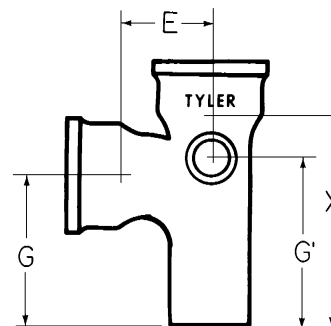
WYE



COMBINATION

Ship Code	UPC No. 067610	Size	X	X'	G	Wt.
S	001560	2	8	4	4	8
S	001577	3x2	9	5	4³/₁₆	12
S	001584	3	10 ¹ / ₂	5 ¹ / ₂	5	14
S	001591	4x2	9	5³/₄	3⁵/₈	13
S	001607	4x3	10 ¹ / ₂	6 ¹ / ₄	4 ⁷ / ₁₆	17
S	001614	4	12	6³/₄	5¹/₄	18
S	001621	5x2	9	6 ¹ / ₂	3 ¹ / ₈	14
S	001638	5x3	10¹/₂	7	3⁷/₈	17
S	001645	5x4	12	7 ¹ / ₂	4 ¹¹ / ₁₆	19
S	001652	5	13¹/₂	8	5¹/₂	23
S	001669	6x2	9	7 ¹ / ₄	2 ⁹ / ₁₆	20
S	001676	6x3	10¹/₂	7³/₄	3³/₈	19
S	001683	6x4	12	8 ¹ / ₄	4 ³ / ₁₆	27
S	001690	6x5	13¹/₄	8³/₄	4¹⁵/₁₆	31
S	001706	6	15	9 ¹ / ₄	5 ³ / ₄	36
S	383482	8x2	10¹/₂	8¹/₂	3¹/₈	31
S	387848	8x3	12	9	3 ¹⁵ / ₁₆	33
S	001713	8x4	13¹/₂	9¹/₂	4³/₄	45
S	001720	8x5	15	10	5 ¹ / ₂	39
S	001737	8x6	16¹/₂	10¹/₂	6⁵/₁₆	53
S	001744	8	19 ¹ / ₂	11 ¹³ / ₁₆	7 ¹¹ / ₁₆	65
S	001751	10x3	12	11	2¹/₂	56
S	001768	10x4	13¹/₂	11¹/₈	3⁹/₁₆	64
S	001775	10x5	15	11 ⁵ / ₈	4 ⁵ / ₁₆	65
S	001782	10x6	16¹/₂	12¹/₈	5¹/₈	76
S	001799	10x8	19 ¹ / ₂	13 ⁷ / ₁₆	6 ¹ / ₂	85
S	001805	10	22¹/₂	14¹/₂	8	107
S	001812	12x4	15	12 ⁷ / ₁₆	4 ¹ / ₈	76
S	001829	12x5	16¹/₂	12¹⁵/₁₆	4⁷/₈	75
S	001836	12x6	18	13 ⁷ / ₁₆	5 ¹¹ / ₁₆	84
S	001843	12x8	21	14³/₄	7¹/₁₆	110
S	001850	12x10	24	15 ¹³ / ₁₆	8 ⁹ / ₁₆	159
S	001867	12	27	16⁷/₈	10¹/₈	176
S	001874	15x4	15	14	3 ¹ / ₄	138
S	001881	15x6	18	15³/₄	4	171
S	001898	15x8	21	17 ¹ / ₁₆	5 ³ / ₈	207
S	001904	15x10	24	18¹/₈	6⁷/₈	213
S	001911	15x12	27	19 ³ / ₁₆	8 ⁷ / ₁₆	242
S	001928	15	31¹/₂	20³/₄	10³/₄	333

Ship Code	UPC No. 067610	Size	X	B	E	G	Wt.
S	001966	2	8	4	4 ⁷ / ₈	7 ³ / ₈	8
S	001973	3x2	9	4³/₁₆	5³/₄	8³/₁₆	12
S	001980	3	10 ¹ / ₂	5	7	10 ¹ / ₁₆	14
S	001997	4x2	9	3¹¹/₁₆	6¹/₄	8³/₁₆	15
S	002000	4x3	10 ¹ / ₂	4 ¹ / ₂	7 ¹ / ₂	10 ¹ / ₁₆	18
S	002017	4	12	5¹/₄	9	12¹/₁₆	24
S	002024	5x2	9	3 ³ / ₈	6 ³ / ₄	8 ³ / ₈	15
S	383123	5x3	10¹/₂	4	8	10¹/₁₆	22
S	002031	5x4	12	4 ¹ / ₄	9 ¹ / ₂	11 ⁹ / ₁₆	24
S	002048	5	13¹/₂	5¹/₂	11	14¹/₈	26
S	002055	6x2	9	2 ¹¹ / ₁₆	7 ¹ / ₄	8 ³ / ₁₆	17
S	002062	6x3	10¹/₄	3¹/₈	8¹/₂	9¹¹/₁₆	21
S	002079	6x4	12	4 ¹ / ₄	10	12 ¹ / ₁₆	32
S	388258	6x5	13¹/₂	5¹/₁₆	11¹/₂	14³/₁₆	40
S	002086	6	15	5 ³ / ₄	12 ⁷ / ₈	16 ¹ / ₁₆	45
N	383611	8x2	10¹/₂	3¹/₈	8¹/₄	9⁵/₈	34
S	002093	8x4	13 ¹ / ₂	4 ³ / ₄	11	13 ⁹ / ₁₆	44
N	384748	8x5	10¹/₂	5¹/₂	12¹/₂	15³/₈	53
S	002109	8x6	16 ¹ / ₂	6 ⁵ / ₁₆	13 ⁷ / ₈	17 ⁵ / ₈	60
S	002116	8	19¹/₂	7¹¹/₁₆	17	21⁹/₁₆	85

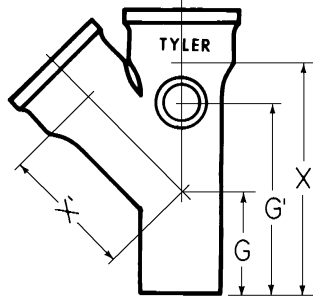


SAN TEE
w/2" Hub Side Openings

Ship Code	UPC No. 067610	Size	X	E	G	G'	Wt.
S	002277	3R	10	4	7 ¹ / ₂	8	15
S	002291	3L	10	4	7¹/₂	8	15
S	002284	4R	11	4 ¹ / ₂	8	9	20
S	002307	4L	11	4¹/₂	8	9	20
S	002314	3R&L	10	4	7 ¹ / ₂	8	16
S	002321	4R&L	11	4¹/₂	8	9	21

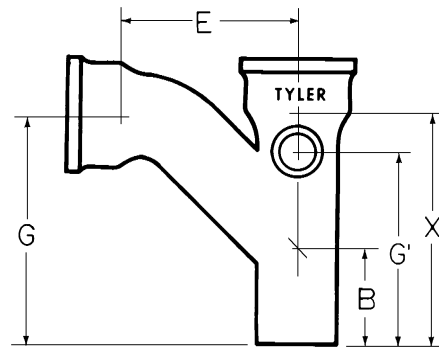


SV (Service) ASA Group 021 Y's, COMBINATIONS, TEES, "H" BRANCHES



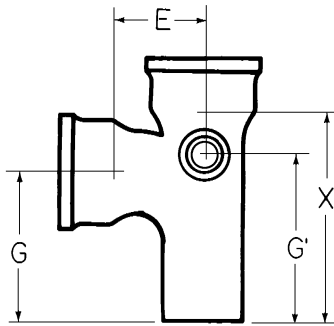
WYE
w/2" Hub Side Opening

Ship Code	UPC No.	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



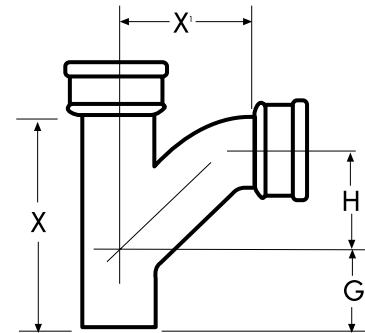
COMBINATION
w/2" Hub Side Opening

Ship Code	UPC No.	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



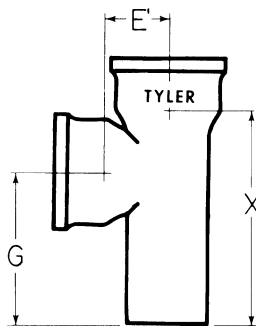
SAN TEE W/SIDE TAPS

Ship Code	UPC No.	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



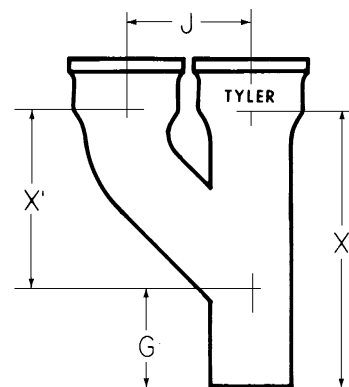
COMBINATION (SHORT TURN)

Ship Code	UPC No.	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	UPC No.	Size	X	G	E'	Wt.
S	001201	2	8	6 ¹ / ₄	1 ³ / ₄	7
S	001218	3x2	9	7	4	9
S	001225	3	10	7 ¹ / ₂	4	12
S	001232	4x2	9	7	4 ¹ / ₂	13
S	001249	4x3	10	7 ¹ / ₂	4 ¹ / ₂	14
S	001256	4	11	8	4 ¹ / ₂	15
S	001263	6x4	11	8	5 ¹ / ₂	22

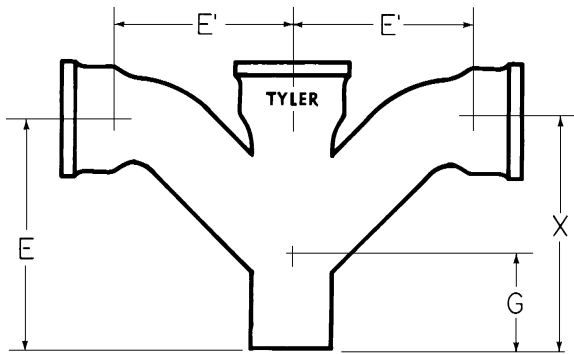


"H" BRANCH

Ship Code	UPC No.	Size	X	X'	J	G	Wt.
N	002222	2"	10	6	4 ¹ / ₂	4	8
N	002239	3"x2"	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	4"x3"	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

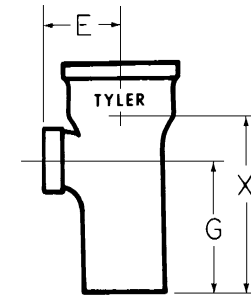


SV (Service) ASA Group 021 COMBINATIONS, TEES



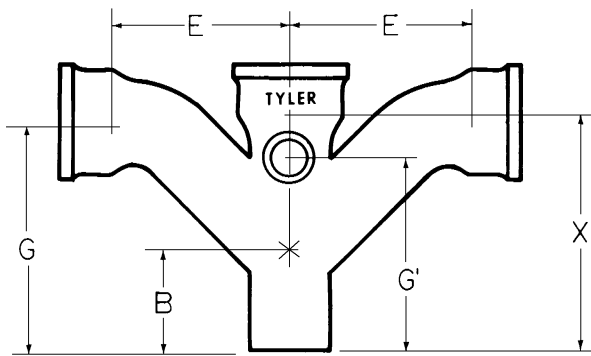
DOUBLE COMBINATION

Ship Code	UPC No. 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 / ₁₆	14
S	002772	3	10 ¹ / ₂	7	10 ¹ / ₁₆	5	20
S	002789	4x2	9	6 ¹ / ₄	8 ³ / ₁₆	3 ¹¹ / 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	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



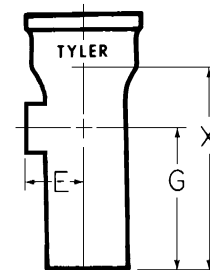
TAPPED SAN TEE

Ship Code	UPC No. 067610	Size x Tap	X	E	G	Wt.
S	003120	2x1 ¹ / ₄	8	2 ¹³ / ₁₆	6 ¹ / ₄	6
S	003137	2x1 ¹ / ₂	8	2 ¹³ / 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 ¹³ / ₁₆	7	13
S	003212	4x2	9	4 ¹ / ₁₆	7	13
N	399247	4x3	11	3 ¹⁵ / ₁₆	8	14



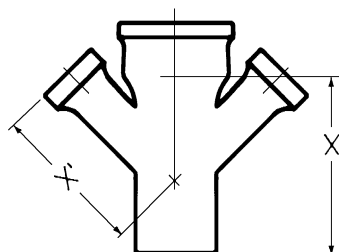
**DOUBLE COMBINATION
w/2" Hub Side Opening**

Ship Code	UPC No. 067610	Size	X	B	E	G	G'	Wt.
S	002949	4	12	5 ¹ / ₄	9	12 ¹ / ₁₆	10	33



STRAIGHT TAPPED TEE

Ship Code	UPC No. 670610	Size	X	E	G	Wt.
S	024507	2x2	8	2	6 ¹ / ₄	6
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

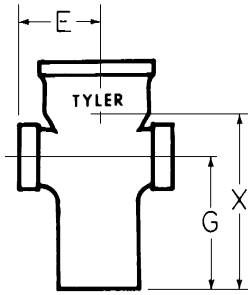


TAPPED DOUBLE WYE

Ship Code	UPC No. 670610	Size	X	X'	Wt.
S	003441	4x2	12	7 ⁷ / ₈	21

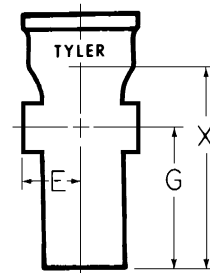


SV (Service) ASA Group 021 CROSSES, CLEANOUTS, PLUGS & TEES



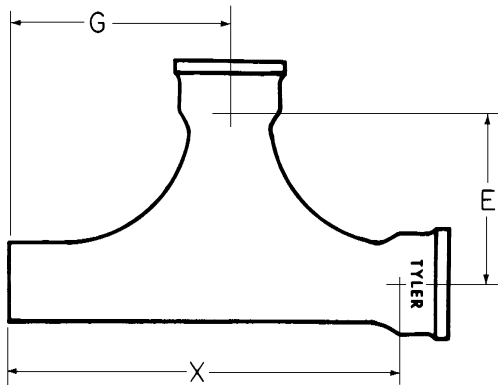
TAPPED SAN CROSS

Ship Code	UPC No. 067610	Size x Tap	X	E	G	Wt.
S	003359	2x1 ¹ / ₂	8	3 ¹ / ₁₆	6 ¹ / ₄	8
N	003366	2x2	8	3¹/₁₆	6¹/₄	8
S	003380	3x1 ¹ / ₂	9	3 ⁹ / ₁₆	7	10
S	003397	3x2	9	3⁹/₁₆	7	10
S	003410	4x1 ¹ / ₂	9	4 ¹ / ₁₆	7	12
S	003427	4x2	9	4¹/₁₆	7	12



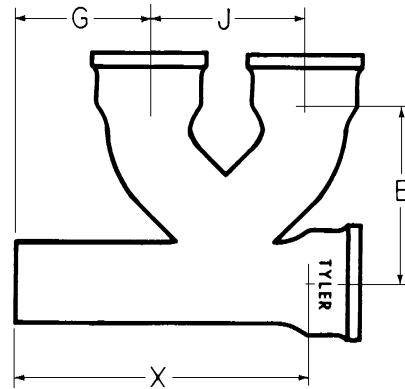
STRAIGHT TAPPED CROSS

Ship Code	UPC No. 670610	Size	X	E	G	Wt.
S	003311	3x2	9	2 ¹ / ₂	7	9
S	003328	4x2	9	3	7	11
S	003335	5x2	9	3 ¹ / ₂	7 ¹ / ₄	13



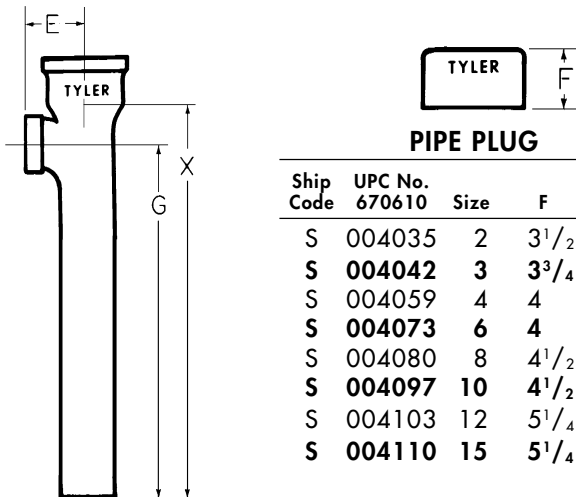
**TWO-WAY CLEANOUT
Memphis Code**

Ship Code	UPC No. 067610	Size	X	E	G	Wt.
S	003465	4	22 ¹ / ₈	9 ³ / ₈	12 ³ / ₄	34.5



TWO-WAY DOUBLE CLEANOUT

Ship Code	UPC No. 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	13⁵/₈	8	6¹/₂	6⁷/₁₆	31
S	003533	6x6x4x4	13 ⁵ / ₈	8 ¹ / ₂	6 ¹ / ₂	6 ⁷ / ₁₆	35

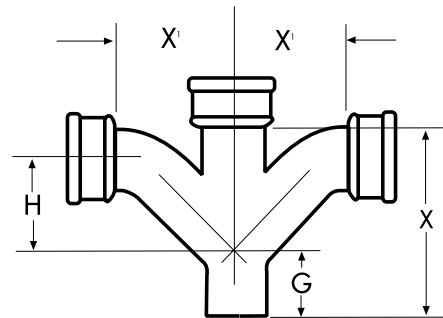


PIPE PLUG

Ship Code	UPC No. 670610	Size	F	Wt.
S	004035	2	3 ¹ / ₂	1
S	004042	3	3³/₄	2
S	004059	4	4	3
S	004073	6	4	6
S	004080	8	4 ¹ / ₂	11
S	004097	10	4¹/₂	17
S	004103	12	5 ¹ / ₄	25
S	004110	15	5¹/₄	35

LONG TAP SAN TEE

Ship Code	UPC No. 067610	Size	X	E	G	Wt.
S	380016	2x2-18	18	3 ¹ / ₁₆	16	8



DOUBLE COMBINATION (SHORT TURN)

Ship Code	UPC No. 067610	Size	G	H	X	X	Wt.
N	393245	4	5 ⁷ / ₁₆	4 ³ / ₈	11 ³ / ₈	6 ¹ / ₂	26