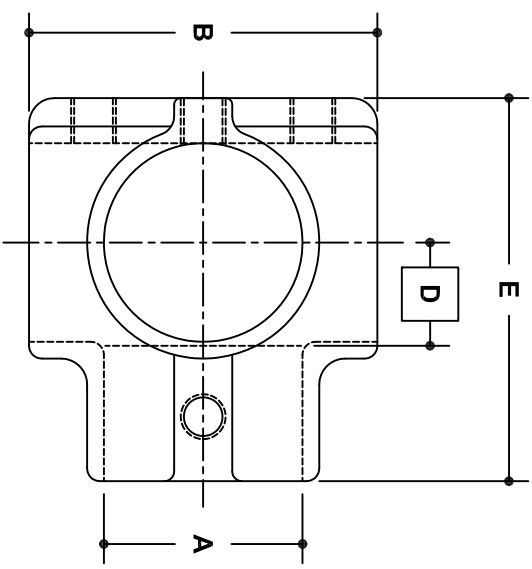
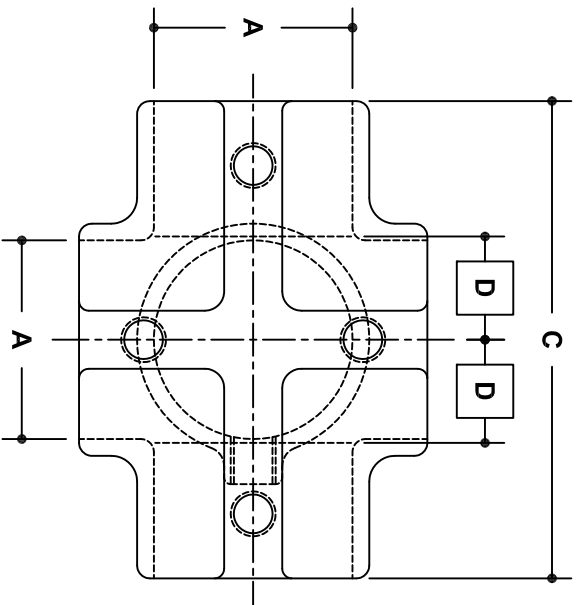


NOTE: DIMENSIONS LOCATED IN BOXES ARE COMMON
SETBACK DIMENSIONS FOR EACH FITTING



#13 Side Outlet Cross

SCALE: HALF

ENGLISH UNITS (Inches)						
PIPE SIZE	A	B	C	D	E	F
1½"	1.93	3.38	4.63	1.00	3.69	
1¼"	1.68	2.75	4.00	0.88	3.22	
1"	1.34	2.38	3.56	0.72	2.83	
¾"	1.07	2.00	3.00	0.50	2.34	

METRIC UNITS (mm)						
PIPE SIZE	A	B	C	D	E	F
1½"	49	86	118	25	94	
1¼"	43	70	102	22	82	
1"	43	70	102	22	82	
¾"	27	51	76	13	59	