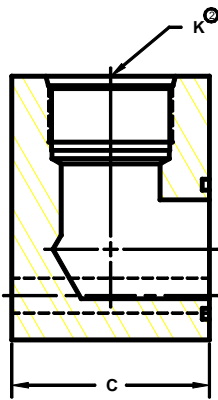


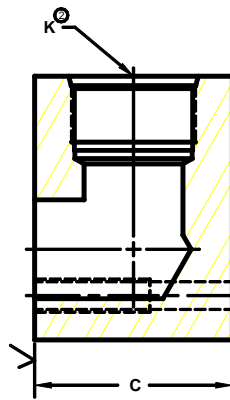
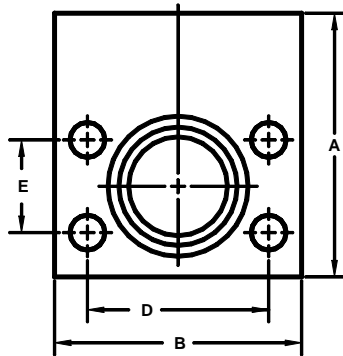
Developers and Manufacturers of Hydraulic Flanges & Components

SAE STRAIGHT THREADED ELBOW FLANGES

SAE BOLT PATTERN			61 SERIES									
FLANGE SIZE	PORT SIZE	PART NUMBER	A	B	C	D	E	K	MOUNTING KIT ^①			WT
									PART NO.	BOLT SIZE	O-RING	
1/2	-8	1177-08-08	2.00	2.12	1.44	1.500	.688	3/4-16	MK 541	5/16-18 X 2	210	1.5
		1178-08-08							-----	---		
3/4	-10	1177-12-10	2.50	2.62	1.70	1.875	.875	7/8-14	MK 542	3/8-16 X 2 1/2	214	2.7
		1178-12-10							-----	---		
3/4	-12	1177-12-12	2.50	2.62	1.70	1.875	.875	1 1/16-12	MK 542	3/8-16 X 2 1/2	214	2.5
		1178-12-12							-----	---		
1	-14	1177-16-14	3.00	2.82	1.94	2.062	1.031	1 3/16-12	MK 543	3/8-16 X 2 3/4	219	3.7
		1178-16-14							-----	---		
1	-16	1177-16-16	3.00	2.82	1.94	2.062	1.031	1 5/16-12	MK 543	3/8-16 X 2 3/4	219	3.5
		1178-16-16							-----	---		
1 1/4	-20	1177-20-20	3.50	3.19	2.40	2.312	1.188	1 5/8-12	MK 578	7/16-14 X 3 1/4	222	6.1
		1178-20-20							-----	---		
1 1/2	-24	1177-24-24	4.00	3.75	2.90	2.750	1.406	1 7/8-12	MK 545	1/2-13 X 4	225	9.2
		1178-24-24							-----	---		
2	-32	1177-32-32	4.25	4.00	3.94	3.062	1.688	2 1/2-12	MK 592	1/2-13 X 5	228	14.0
		1178-32-32							-----	---		



O-RING
1177
1179



FLAT-FACED
1178
1180

SAE BOLT PATTERN			62 SERIES									
FLANGE SIZE	PORT SIZE	PART NUMBER	A	B	C	D	E	K	MOUNTING KIT ^①			WT
									PART NO.	BOLT SIZE	O-RING	
1/2	-8	1179-08-08	2.00	2.22	1.46	1.594	.718	3/4-16	MK 541	5/16-18 X 2	210	1.7
		1180-08-08							-----	---		
3/4	-10	1179-12-10	2.50	2.81	1.70	2.000	.937	7/8-14	MK 542	3/8-16 X 2 1/2	214	3.0
		1180-12-10							-----	---		
3/4	-12	1179-12-12	2.50	2.81	1.70	2.000	.937	1 1/16-12	MK 542	3/8-16 X 2 1/2	214	2.7
		1180-12-12							-----	---		
1	-14	1179-16-14	3.00	3.19	1.96	2.250	1.093	1 3/16-12	MK 551	7/16-14 X 2 3/4	219	4.5
		1180-16-14							-----	---		
1	-16	1179-16-16	3.00	3.19	1.96	2.250	1.093	1 5/16-12	MK 551	7/16-14 X 2 3/4	219	4.5
		1180-16-16							-----	---		
1 1/4	-20	1179-20-20	4.00	3.75	2.44	2.625	1.250	1 5/8-12	MK 552	1/2-13 X 3 1/4	222	8.6
		1180-20-20							-----	---		
1 1/2	-24	1179-24-24	4.00	4.50	2.96	3.125	1.437	1 7/8-12	MK 553	5/8-11 X 4	225	12.0
		1180-24-24							-----	---		
2	-32	1179-32-32	5.00	5.25	3.94	3.812	1.750	2 1/2-12	MK 1507	3/4-10 X 5	228	21.1
		1180-32-32							-----	---		

1. Order Separately 2. SAE has a lower rating on the St. Thd. fitting than the flange pad. Check the fitting manufacturer for details.