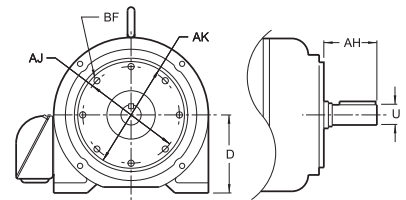


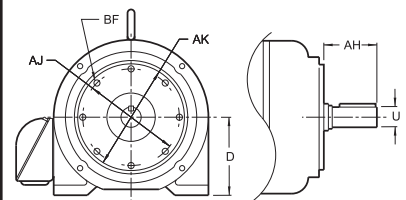
PUMP MOTOR ADAPTERS FOR ELECTRIC MOTORS

STANDARD NEMA "C" FACE ELECTRIC MOTOR DIMENSIONS

"T" Frame Electric Motor Data										
Nema Motor	Frames	Bolt Circle AJ	Register AK	Shaft Diameter U	Shaft Length AH	Key Sq	Key Length	BF (Tapped Holes)		D Max
	56C	5 7/8	4 1/2	5/8	2 1/16	3/16	1	3/8-16	4	3 1/2
	143TC	5 7/8	4 1/2	7/8	2 1/8	3/16	1 3/8	3/8-16	4	3 1/2
	145TC	5 7/8	4 1/2	7/8	2 1/8	3/16	1 3/8	3/8-16	4	3 1/2
	182TC	7 1/4	8 1/2	1 1/8	2 5/8	1/4	1 3/4	1/2-13	4	4 1/2
	184TC	7 1/4	8 1/2	1 1/8	2 5/8	1/4	1 3/4	1/2-13	4	4 1/2
	213TC	7 1/4	8 1/2	1 3/8	3 1/8	5/16	2 3/8	1/2-13	4	5 1/4
	215TC	7 1/4	8 1/2	1 3/8	3 1/8	5/16	2 3/8	1/2-13	4	5 1/4
	254TC	7 1/4	8 1/2	1 5/8	3 3/4	3/8	2 7/8	1/2-13	4	6 1/4
	256TC	7 1/4	8 1/2	1 5/8	3 3/4	3/8	2 7/8	1/2-13	4	6 1/4
284TSC	284TC	9	10 1/2	1 7/8	4 3/8	1/2	3 1/4	1/2-13	4	7
		9	10 1/2	1 5/8	3	3/8	1 7/8	1/2-13	4	7
286TSC	286TC	9	10 1/2	1 7/8	4 3/8	1/2	3 1/4	1/2-13	4	7
		9	10 1/2	1 5/8	3	3/8	1 7/8	1/2-13	4	7
324TSC	324TC	11	12 1/2	2 1/8	5	1/2	3 7/8	5/8-11	4	8
		11	12 1/2	1 7/8	3 1/2	1/2	2	5/8-11	4	8
326TSC	326TC	11	12 1/2	2 1/8	5	1/2	3 7/8	5/8-11	4	8
		11	12 1/2	1 7/8	3 1/2	1/2	2	5/8-11	4	8
364TSC	364TC	11	12 1/2	2 3/8	5 5/8	5/8	4 1/4	5/8-11	8	9
		11	12 1/2	1 7/8	3 1/2	1/2	2	5/8-11	8	9
365TSC	365TC	11	12 1/2	2 3/8	5 5/8	5/8	4 1/4	5/8-11	8	9
		11	12 1/2	1 7/8	3 1/2	1/2	2	5/8-11	8	9
404TSC	404TC	11	12 1/2	2 7/8	7	3/4	5 5/8	5/8-11	8	10
		11	12 1/2	2 1/8	4	1/2	2 3/4	5/8-11	8	10
405TSC	405TC	11	12 1/2	2 7/8	7	3/4	5 5/8	5/8-11	8	10
		11	12 1/2	2 1/8	4	1/2	2 3/4	5/8-11	8	10
444TSC	444TC	14	16	3 3/8	8 1/4	7/8	7	5/8-11	8	11
		14	16	2 3/8	4 1/2	5/8	3	5/8-11	8	11
445TSC	445TC	14	16	3 3/8	8 1/4	7/8	7	5/8-11	8	11
		14	16	2 3/8	4 1/2	5/8	3	5/8-11	8	11
447TSC	447TC	14	16	3 3/8	8 1/4	7/8	7	5/8-11	8	11
		14	16	2 3/8	4 1/2	5/8	3	5/8-11	8	11
449TSC	449TC	14	16	3 3/8	8 1/4	7/8	7	5/8-11	8	11
		14	16	2 3/8	4 1/2	5/8	3	5/8-11	8	11



"U" Frame Electric Motor Data										
Nema Motor	Frames	Bolt Circle AJ	Register AK	Shaft Diameter U	Shaft Length AH	Key Sq	Key Length	BF (Tapped Holes)		D Max
	182UC	5 7/8	4 1/2	7/8	2 1/8	3/16	1 3/8	3/8-16	4	4 1/2
	184UC	5 7/8	4 1/2	7/8	2 1/8	3/16	1 3/8	3/8-16	4	4 1/2
	213UC	7 1/4	8 1/2	1 1/8	2 3/4	1/4	1 7/8	1/2-13	4	5 1/4
	215UC	7 1/4	8 1/2	1 1/8	2 3/4	1/4	1 7/8	1/2-13	4	5 1/4
	254UC	7 1/4	8 1/2	1 3/8	3 1/2	5/16	2 3/4	1/2-13	4	6 1/4
	256UC	7 1/4	8 1/2	1 3/8	3 1/2	5/16	2 3/4	1/2-13	4	6 1/4
284UC	284UC	9	10 1/2	1 5/8	4 5/8	3/8	3 3/4	1/2-13	4	7
	286UC	9	10 1/2	1 5/8	4 5/8	3/8	3 3/4	1/2-13	4	7
324UC	324UC	11	12 1/2	1 7/8	5 3/8	1/2	4 1/4	5/8-11	4	8
		11	12 1/2	1 5/8	3	3/8	1 7/8	5/8-11	4	8
326UC	326UC	11	12 1/2	1 7/8	5 3/8	1/2	4 1/4	5/8-11	4	8
		11	12 1/2	1 5/8	3	3/8	1 7/8	5/8-11	4	8
364UC	364UC	11	12 1/2	2 1/8	6 1/8	1/2	5	5/8-11	8	9
		11	12 1/2	1 7/8	3 1/2	1/2	2	5/8-11	8	9
365UC	365UC	11	12 1/2	2 1/8	6 1/8	1/2	5	5/8-11	8	9
		11	12 1/2	1 7/8	3 1/2	1/2	2	5/8-11	8	9
404UC	404UC	11	12 1/2	2 3/8	6 7/8	5/8	5 1/2	5/8-11	8	10
		11	12 1/2	2 1/8	4	1/2	2 3/4	5/8-11	8	10
405UC	405UC	11	12 1/2	2 3/8	6 7/8	5/8	5 1/2	5/8-11	8	10
		11	12 1/2	2 1/8	4	1/2	2 3/4	5/8-11	8	10
444UC	444UC	14	16	2 7/8	8 3/8	3/4	7	5/8-11	8	11
		14	16	2 1/8	4	1/2	2 3/4	5/8-11	8	11
445UC	445UC	14	16	2 7/8	8 3/8	3/4	7	5/8-11	8	11
		14	16	2 1/8	4	1/2	2 3/4	5/8-11	8	11



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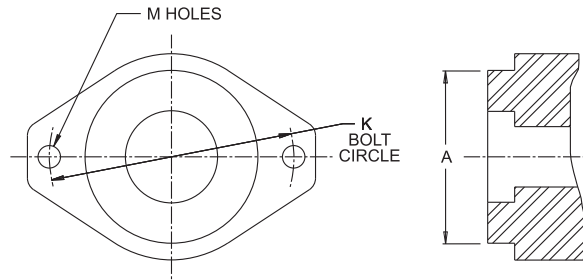


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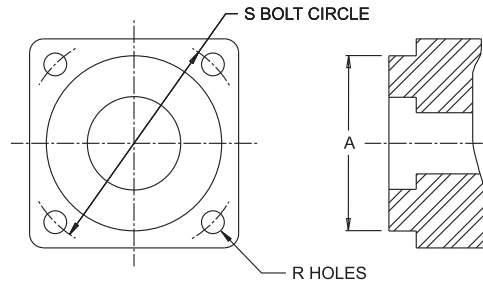
PUMP MOTOR ADAPTERS FOR ELECTRIC MOTORS

PUMP MOUNTING FLANGE INFORMATION

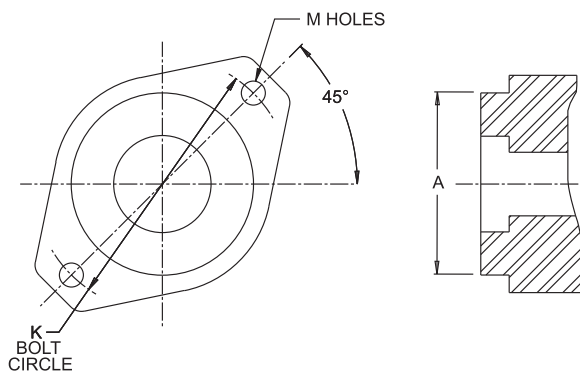
SAE FLANGES



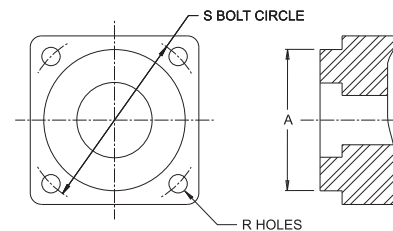
SAE 2 Bolt Mounting Flange					
Mounting Flange			Pilot Dimensions	Flange Dimensions	
ANSI	USA	SAE	A	K	M
50-2	-	AA	2.000/1.998	3.255 3.245	0.406
82-2	2F32	A	3.250/3.248	4.192 4.182	0.438
101-2	2F40	B	4.000/3.998	5.755 5.745	0.562
127-2	2F50	C	5.000/4.998	7.130 7.120	0.687
152-2	2F60	D	6.000/5.998	9.005 8.995	0.812
165-2	2F65	E	6.500/6.498	12.503 12.495	1.062
177-2	2F70	F	7.000/6.998	13.786 13.776	1.062



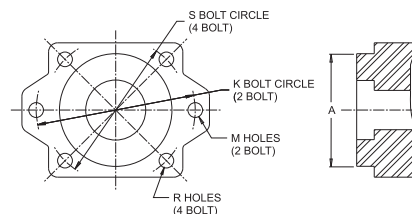
SAE 4 Bolt Mounting Flange					
Mounting Flange			Pilot Dimensions	Flange Dimensions	
ANSI	USA	SAE	A	S	R
-	4F17	-	1.781/1.799	2.843 2.833	0.375
-	-	A	3.250/3.248	4.130 4.120	0.438
101-4	4F40	B	4.000/3.998	5.005 4.995	0.562
127-4	4F50	C	5.000/4.998	6.380 6.370	0.562
152-4	4F60	D	6.000/5.998	9.005 8.995	0.812
165-4	4F65	E	6.500/6.498	12.505 12.495	0.812
177-4	4F70	F	7.000/6.998	13.786 13.776	1.062



SAE 2 Bolt 45° Offset Mounting Flange					
Mounting Flange			Pilot Dimensions	Flange Dimensions	
ANSI	USA	SAE	A	K	M
50-2 (45°)	-	AA (45°)	2.000/1.998	3.255 3.245	0.406
82-2 (45°)	2F32	A (45°)	3.250/3.248	4.192 4.182	0.438
101-2 (45°)	2F40	B (45°)	4.000/3.998	5.755 5.745	0.562
127-2 (45°)	2F50	C (45°)	5.000/4.998	7.130 7.125	0.687



SAE 4 Bolt Mounting Flange (Modified)			
Mounting Flange	Pilot Dimensions A	Flange Dimensions	
		S	R
4BM	4.000/3.998	5.005 4.995	0.438 0.433



SAE 2 and 4 Bolt "B" with "A" Pilot					
Mounting Flange	Pilot Dimensions A	Flange Dimensions 2 Bolt		Flange Dimensions 4 Bolt	
		K	M	S	R
SAE BA	3.250/3.248	5.755 5.745	0.562	5.005 4.995	0.562

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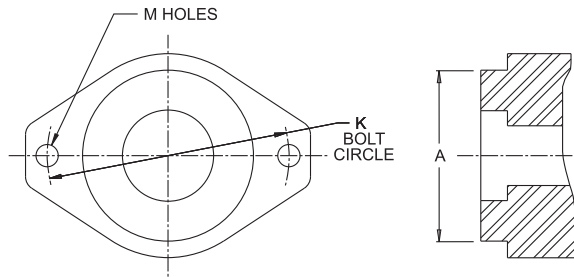
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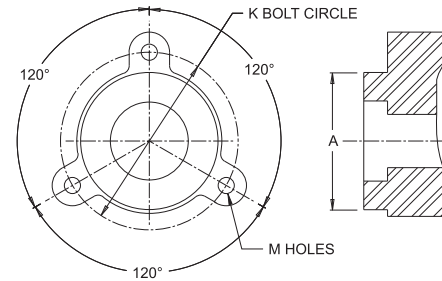
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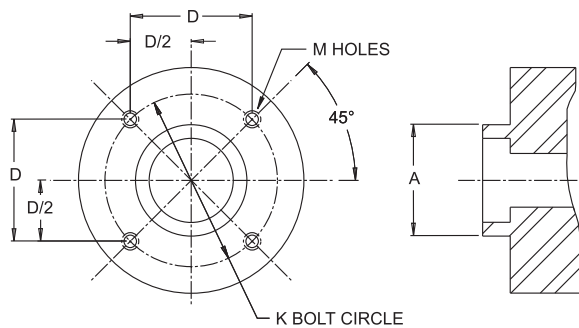
SAE FLANGES



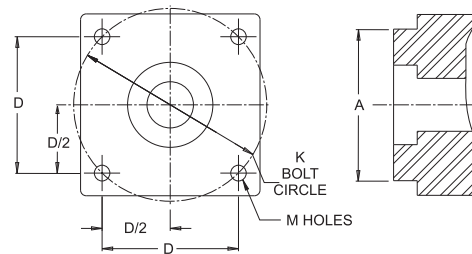
2 Bolt Special Mounting Flange			
Mounting Flange	Pilot Dimensions	Flange Dimensions	
	A	K	M
2H	2.000/1.998	4.192 4.182	0.438



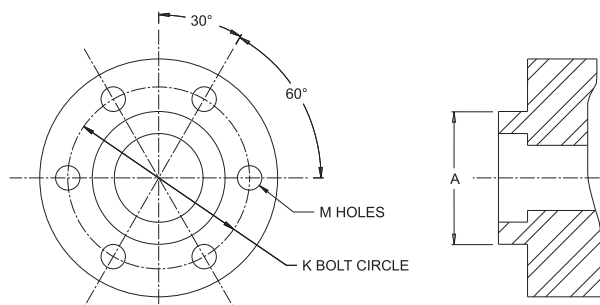
3 Bolt Mounting Flange			
Mounting Flange	Pilot Dimensions	Flange Dimensions	
	A	K	M
3H	2.125/2.123	2.755 2.745	0.281



4 Bolt Round Mounting Flange				
Mounting Flange	Pilot Dimensions	Flange Dimensions		
	A	D	M	K
4RB	1.627/1.625	1.727 1.717	1/4-20NC	2.435



4 Bolt Square Mounting Flanges				
Mounting Flange	Pilot Dimensions	Flange Dimensions		
	A	D	M	K
4HC	3.750/3.748	6.005 5.995	0.687	8.485
4HNA	3.741/3.739	3.545 3.535	0.438	5.006
4HNB	5.315/5.313	4.895 4.875	0.531	6.901
4HV	3.749/3.747	3.541 3.531	0.438	5.000



6 Bolt Mounting Flange			
Mounting Flange	Pilot Dimensions	Flange Dimensions	
	A	K	M
6HA	2.625/2.623	3.255 3.245	3/8-16NC
6HB	2.625/2.623	3.255 3.245	0.438
6HC	2.247/2.246	2.879 2.869	3/8-16NC
6HD	2.999/2.998	4.755 4.745	3/8-16NC

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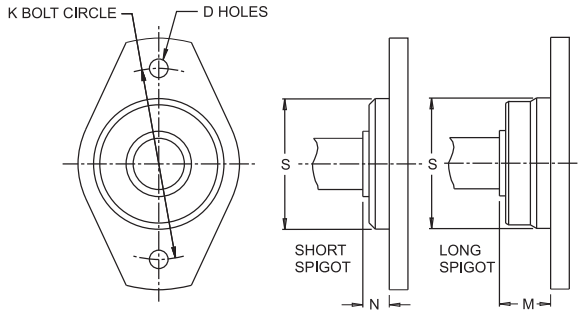
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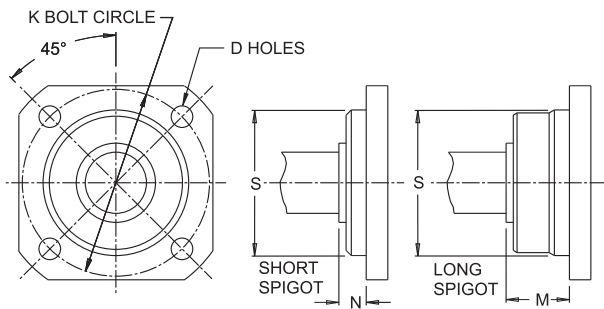
PUMP MOTOR ADAPTERS FOR ELECTRIC MOTORS

METRIC FLANGES



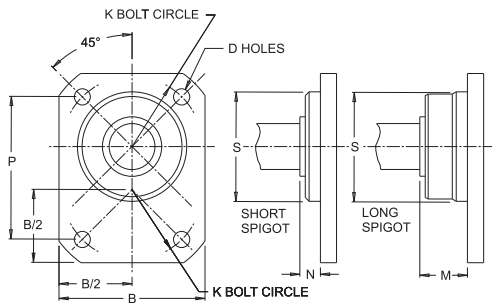
Metric 2-Bolt Mounting Flanges (Oval)

Mounting Flange	Metric Code	Spigot Diameter S	Flange Dimensions (all dimensions in mm)				Series
			K	D	M	N	
32	A2	32	56	6.6	16	8	PREF
40	A2	40	63	6.6	16	8	PREF
50	A2	50	80	9	20	8	PREF
63	A2	63	100	9	20	8	PREF
80	A2	80	109	11	20	8	PREF
100	A2	100	140	14	25	10	PREF
112	A2	112	160	14	25	10	NON-PREF
125	A2	125	180	18	32	10	PREF
140	A2	140	200	18	32	10	NON-PREF
160	A2	160	224	22	40	10	PREF
180	A2	180	250	22	40	10	NON-PREF
200	A2	200	280	26	50	10	PREF



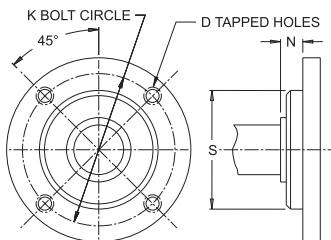
Metric 4-Bolt Mounting Flanges (Square)

Mounting Flange	Metric Code	Spigot Diameter S	Flange Dimensions (all dimensions in mm)				Series
			K	D	M	N	
63	B4	63	85	9	20	8	PREF
80	B4	80	103	9	20	8	PREF
80	Non-Code	80	100	9	20	8	NON-PREF
100	B4	100	125	11	25	10	PREF
112	B4	112	140	11	25	10	NON-PREF
125	B4	125	160	14	32	10	PREF
140	B4	140	180	14	32	10	NON-PREF
160	B4	160	200	18	40	10	PREF
180	B4	180	224	18	40	10	NON-PREF
200	B4	200	250	22	50	10	PREF
224	B4	224	280	22	50	10	NON-PREF
250	B4	250	315	26	50	10	PREF



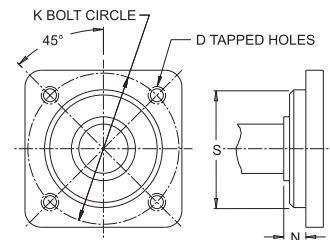
Metric 4-Bolt Mounting Flanges (Rectangular)

Mounting Flange	Metric Code	Spigot Diameter S	Flange Dimensions (all dimensions in mm)						Series
			K	P	B	D	M	N	
50	C4	50	68	72	62	6.6	20	8	PREF
63	C4	63	85	90	80	9	20	8	PREF
80	C4	80	103	109	100	9	20	8	PREF
100	C4	100	125	132	125	11	25	10	PREF
112	C4	112	140	148	132	11	25	10	NON-PREF
125	C4	125	160	170	150	14	32	10	PREF
140	C4	140	180	191	170	14	32	10	NON-PREF
160	C4	160	200	212	190	18	40	10	PREF
180	C4	180	224	265	212	18	40	10	NON-PREF
200	C4	200	250	265	236	22	50	10	PREF



Metric 4-Bolt Mounting Flange (R4)

Mounting Flange	Metric Code	Spigot Diameter S	Flange Dimensions (all dimensions in mm)		
			K	D	N
R4	Non-Code	63	80	M8	6.5



Metric 4-Bolt Mounting Flange (R4M)

Mounting Flange	Metric Code	Spigot Diameter S	Flange Dimensions (all dimensions in mm)		
			K	D	N
R4M	Non-Code	50	63	M6	8

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