

## Pump/Motor Shafts & Flanges

ANSI Shaft and flange code assignments for fluid power pumps and motors. Complete dimensions may be obtained from ANSI B93.6-1972.

ANSI Shaft Code	Shaft Diam.	Short Shaft Lgth.	Long Shaft Lgth.	Key Width	SAE Shaft Code
13-1	.500	0.750	---	0.125	A-A
16-1	.625	0.938	2.000	0.156	A
22-1	.875	1.312	2.500	0.250	B
25-1	1.000	1.500	2.750	0.250	B-B
32-1	1.250	1.875	3.00	0.312	C
38-1	1.500	2.125	3.250	0.375	C-C
44-1	1.750	2.625	3.625	0.437	D, E

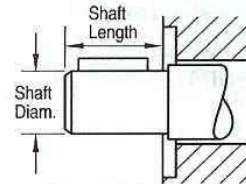
ANSI Shaft Code	Shaft Diam.	Shaft Lgth.	Spline Specifications		SAE Shaft Code
13-4	.500	0.750	9T	20/40 DP	A-A
16-4	.625	0.938	9T	16/32 DP	A
22-4	.875	1.312	13T	16/32 DP	B
25-4	1.000	1.500	15T	16/32 DP	B-B
32-4	1.250	1.875	14T	12/24 DP	C
38-4	1.500	2.125	17T	12/24 DP	C-C
44-4	1.750	2.625	13T	8/16 DP	D, E
50-4	2.000	3.125	15T	8/16 DP	F

ANSI Shaft Code	Shaft Diam.	Str. Shaft Lgth.	Thd. Size	Thd. Lgth.	Key Width
13-2	0.500	0.750	3/8-24	0.532	.125
16-2	0.625	0.938	1/2-20	0.719	.156
22-2	0.875	1.312	5/8-18	0.906	.250
25-2	1.000	1.500	3/4-16	1.062	.250
32-2	1.250	1.875	1-12	1.219	.312
38-2	1.500	2.125	1-1/8-12	1.375	.375
44-2	1.750	2.625	1-1/4-12	1.562	.437

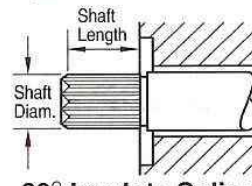
ANSI Shaft Code	Shaft Diam.	Tprd. Shaft Lgth.	Thd. Shaft Lgth.	Thread Size	Key Width
13-3	0.500	0.688	0.500	5/16-32	.125
16-3	0.625	0.688	0.719	1/2-20	.156
22-3	0.875	1.125	0.906	5/8-18	.250
25-3	1.000	1.375	1.062	3/4-16	.250
32-3	1.250	1.375	1.219	1 1/2	.312
38-3	1.500	1.875	1.375	1 1/8-12	.375
44-3	1.750	2.125	1.562	1 1/4-12	.437
50-3	2.000	2.875	1.562	1 1/4-12	.500

ANSI Flange Code	SAE Flange Code	SAE HP Rating	Mount Bolt Circle	Mount Hole Diam.	Pilot Diam., In.
50-2	A-A	5	3.250	.406	2.00
82-2	A	10	4.188	.438	3.25
101-2	B	25	5.750	.562	4.00
127-2	C	50	7.125	.688	5.00
152-2	D	100	9.000	.812	6.00
165-2	E	200	12.500	1.062	6.50
177-2	F	300	13.781	1.062	7.00

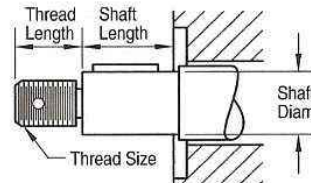
ANSI Flange Code	SAE Flange Code	SAE HP Rating	Mount Bolt Circle	Mount Hole Diam.	Pilot Diam., In.
101-4	B	25	5.000	.5625	4.00
127-4	C	50	6.375	.5625	5.00
152-4	D	100	9.000	.8125	6.00
165-4	E	200	12.500	.8125	6.50
177-4	F	300	13.78	1.063	7.00



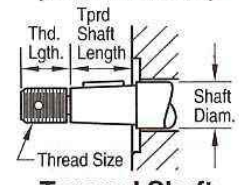
**Straight Shaft (Without Threads)**



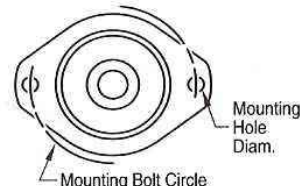
**30° Involute Spline**



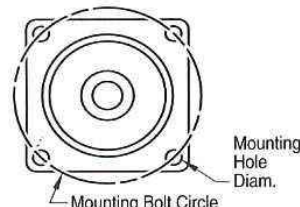
**Straight Shaft (With Threads)**



**Tapered Shaft (With Threads)**



**Mounting Flange (Two Bolt)**



**Mounting Flange (Four Bolt)**