



HYDRAULIC PUMP & MOTOR MOUNT FLANGE & SHAFT INDUSTRY STANDARDS

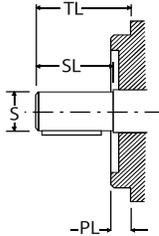
PUMP STANDARDS

EXTRACTS FROM SAE J744C ANSI STANDARD FOR FLUID POWER PUMPS AND MOTORS.
The SAE standard J744C was originally developed for off road vehicle use in USA. Not all pumps and motors are built to this standard.

STRAIGHT SHAFT TYPES

S	Torque in-lbs	HP at 1000	SL#	TL#	Key Width	OEM Code
0.500"	260	4.25	0.750"	1.062"	0.125"	78
0.625"	517	8.25	0.937"	1.250"	0.156"	12
0.750"	1,129	17.9	0.937"	1.250"	0.187"	13
0.875"	1,852	29.3	1.312"	1.625"	0.250"	14
1.000"	2,987	47.5	1.500"	1.812"	0.250"	15
1.250"	5,677	90	1.875"	2.187"	0.312"	24
1.500"	10,777	171	2.125"	2.437"	0.375"	60
1.750"	15,057	239	2.625"	2.937"	0.437"	61

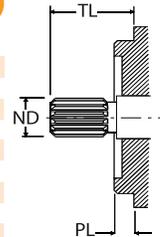
#Lengths shown are for the common short shaft types for long shaft series see Standard SAE J744C.
HP at 1000 RPM. Torque and HP requirements noted are typical (based on shaft St of 25000 PSI) and should be considered as a guide only.



30 Deg INVOLUTE SPLINE TYPES

Spline Details	Torque in-lbs	HP at 1000	ND	TL	SAE Code	OEM Code*
9T 20/40 DP	260	4.25	1/2"	1.062"	AA	91
9T 16/32 DP	517	8.25	5/8"	1.250"	A	01
11T 16/32 DP	1,129	17.9	3/4"	1.500"	AH	02
13T 16/32 DP	1,852	29.3	7/8"	1.625"	B	03
15T 16/32 DP	2,987	47.5	1"	1.812"	BB	04
14T 12/24 DP	5,677	90	1 1/4"	2.187"	C	06
21T 16/32 DP	6,839	108	1 3/8"	2.187"	CS	07
17T 12/24 DP	10,777	171	1 1/2"	2.437"	CC	32
13T 8/16 DP	15,057	239	1 3/4"	2.937"	D	08
13T 8/16 DP	15,057	239	1 3/4"	2.937"	E	08
15T 8/16 DP	24,245	285	2"	3.437"	F	37

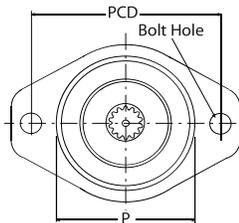
HP at 1000 RPM. Torque and HP requirements noted are typical (based on shaft St of 25000 PSI) and should be considered as a guide only. Torsional stress is calculated at spline undercut.



* OEM Code. Unique code for ID of shaft or bore sizes. Appears as last two numbers in all Part Numbers for Splined Hubs, Splined Couplings, Splined Shafts, Flexilock Hubs, Clamplock Components, Over Hung Load Adaptors or Gearboxes shown in this catalogue.

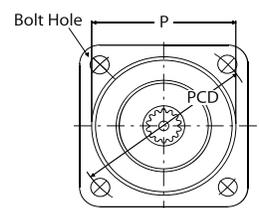
TWO BOLT MOUNTING FLANGE

SAE Code	Bolt PCD	Bolt Hole	P	PL
AA	3.250"	0.406"	2.00"	0.250"
A	4.187"	0.437"	3.25"	0.250"
B	5.750"	0.562"	4.00"	0.375"
C	7.125"	0.687"	5.00"	0.500"
D	9.000"	0.812"	6.00"	0.500"
E	12.500"	1.062"	6.50"	0.625"
F	13.781"	1.062"	7.00"	0.625"



FOUR BOLT MOUNTING FLANGE

SAE Code	PCD	Bolt Hole	P	PL
B	5.000"	0.562"	4.00"	0.375"
C	6.375"	0.562"	5.00"	0.500"
D	9.000"	0.812"	6.00"	0.500"
E	12.500"	0.812"	6.50"	0.625"
F	13.781"	1.062"	7.00"	0.625"

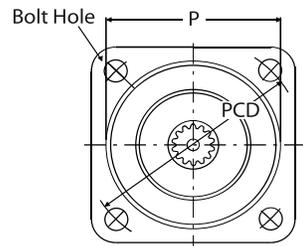


METRIC ISO FLANGES

FOUR BOLT MOUNTING FLANGE

ISO Code	P	PCD	Bolt Hole
M80	80	100	9
M100	100	125	11
M125	125	160	14
M140	140	180	16
M160	160	200	18
M180	180	224	22
M200	200	250	22
M224	224	280	24

Dim's in mm

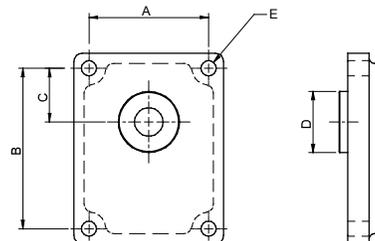


DIN FLANGES

DIN MOUNTING FLANGE

Group	A	B	C	D	E Bolt Hole
2	71.5	96.2	32.5	36.5	9
3	98	128	42	50.8	11

Dim's in mm



NO RESPONSIBILITY IS ACCEPTED FOR OMISSIONS VARIATIONS OR ERRORS.