- Original Commerical pump design
- Three-piece cast iron construction for assembly flexibility
- Durable high-strength cast iron body for excellent power to weight ratio
- Balanced thrust plates optimize pump efficiency
- Roller bearings for durability and resistance to fluid contamination
- Multiple sections available

Product Features	Description
Pump Type	Cast iron, Fixed
Mounting	SAE, DIN
Ports	SAE, Split Flange, NPT
Shaft Style	SAE, DIN
Pump Speed	900 to 2400 RPM
Motor Speed	800 to 2000 RPM
Maximum Displ.	6.4 in^3/rev
Maximum Operating Pressure	3000 PSI

Product Features	Description
Fluids	Standard Hydraulic Fluid, Phosphate Ester
Fluid Temperature	Range of Operating Temperature -20 to 80°C (0 to 180°F)
Fluid Viscosity	50-7500 SUS
Direction of Rotation (looking at the driveshaft)	Clockwise, Counter Clockwise, Bi-Rotational

NOTE: Different types of pump options are available in terms of shaft, mounting and port type. Please contact Parker.

PGP/PGM051 Specifications

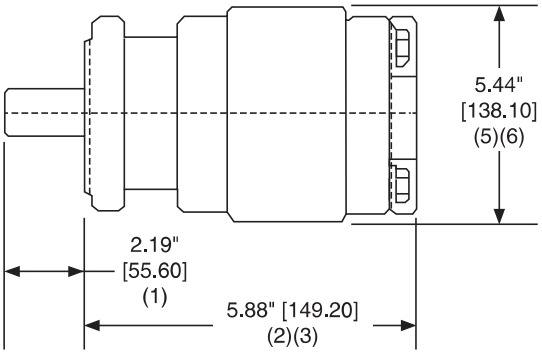
PGP051 Frame Size	05	07	10	12	15	17	20	22	25
Displacement – cm^3/rev (in^3/rev)	20.9 (1.28)	31.3 (1.91)	41.8 (2.55)	52.2 (3.19)	62.7 (3.83)	73.1 (4.46)	83.6 (5.10)	94.0 (5.74)	104.5 (6.38)
Max continuous pressure – bar (PSI)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	172 (2,500)	172 (2,500)	172 (2,500)
Max Speed – RPM	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400
Approximate Weight – Lbs. [kg]	34 [15.5]	35.5 [16]	37 [17]	38.5 [17.5]	40 [18]	41.5 [19]	43 [19.5]	48.5 [22]	50 [22.5]

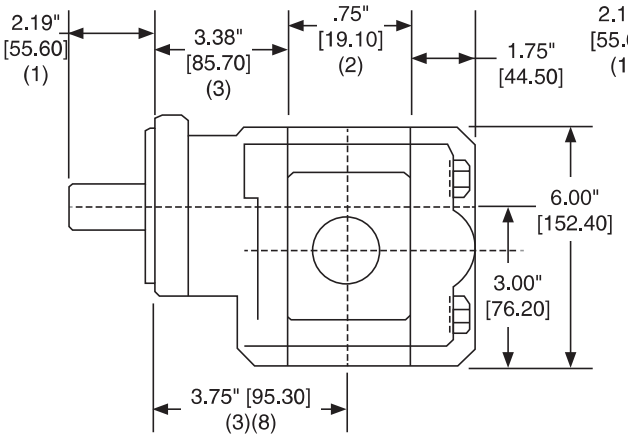
PGM051 Frame Size	05	07	10	12	15	17	20	22	25
Displacement – cm^3/rev (in^3/rev)	20.90 (1.28)	31.30 (1.91)	41.80 (2.55)	52.20 (3.19)	62.70 (3.83)	73.10 (4.46)	83.60 (5.10)	94.00 (5.74)	104.50 (6.38)
Max continuous pressure – bar (PSI)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	207 (3,000)	172 (2,500)	172 (2,500)	172 (2,500)
Max Speed – RPM	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
Approximate Weight – Lbs. [kg]	34 [15.5]	35.5 [16.0]	37 [17.0]	38.5 [17.5]	40 [18]	41.5 [19]	43 [19.5]	48.5 [22]	50 [22.5]

PGP/PGM051 Dimensions

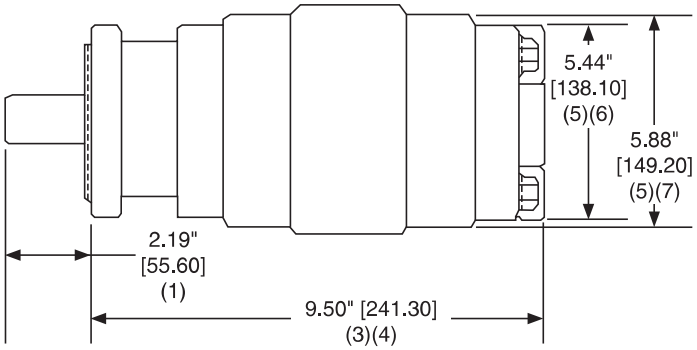
NOTES
1. Dimension will vary with shaft type
2. Dimension + gear width
3. Dimension is for Type 1 SEC. Type 2: subtract 1.00" (25.4 mm)
4. Dimension + total gear width
5. Dimension will vary with port type. Subtract 0.25" (6.4 mm) for S.F. ports.
6. For 2.25" and 2.50" gear width, dimension is 6.75" (171.5 mm).
7. Dimension is for wide B-C. Narrow B-C dimensions: 5.00" (127 mm)
8. Dimension + ½ front section gear width

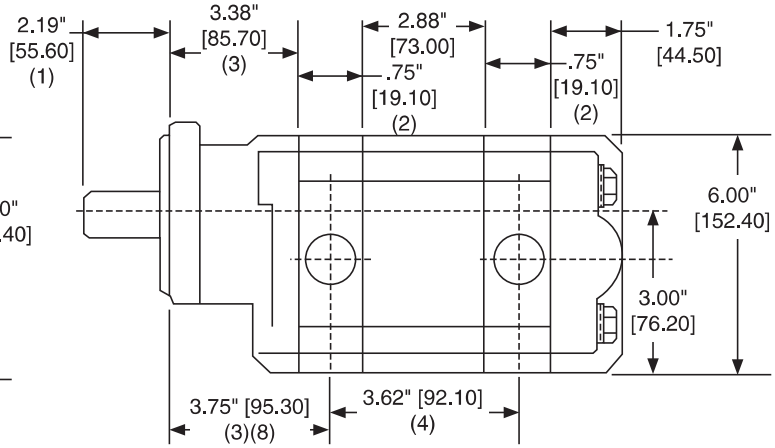
Single Units





Multiple Units





WARNING: This product can expose you to chemicals including lead or DEHP which are known to the state of California to cause cancer, birth defects, and other reproductive harm. www.p65warnings.ca.gov

PGP051

Flow data at 2500 PSI (172 bar) unless noted

Speed RPM	Gear Width Output (gpm/lpm)						
	1"	1 ¼"	1 ½"	1 ¾"	2"	2 ¼"	2 ½"
900	**8.5** 32	**10.5** 39.5	**13** 49	**15** 57	**17.5** 66	**20** 75.5	**22** 83.5
1200	**12** 45.5	**15** 57	**18** 68	**21** 79.5	**24** 91	**27** 102	**30** 114
1500	**15** 57	**19** 72	**23** 87	**27** 102	**31** 117	**35** 132	**39** 148
1800	**18** 68	**23** 87	**27.5** 104	**32.5** 123	**37.5** 142	**42** 159	**47** 178
2100	**21.5** 81.5	**27** 102	**32.5** 123	**38.5** 146	**44** 167	**49.5** 187	**55** 208
2400	**25** 94.5	**31** 117	**37** 140	**44** 167	**51** 193	**57** 216	**63.5** 240

*Flow data at 2000 PSI (138 bar) rated pressure.

PGP051

Input power at 2500 PSI (172 bar) unless noted

Speed RPM	Gear Width Inches (HP/Kw)						
	1"	1 ¼"	1 ½"	1 ¾"	2"	2 ¼"	2 ½"
900	**19** 14	**22** 17	**26** 20	**30** 23	**34** 26	**38** 29	**42** 32
1200	**25** 18	**30** 22	**34** 26	**40** 30	**45** 34	**51** 38	**56** 42
1500	**31** 23	**37** 27	**43** 32	**50** 37	**56** 42	**63** 47	**69** 51
1800	**36** 27	**44** 33	**51** 38	**59** 44	**67** 50	**75** 56	**82** 61
2100	**42** 31	**51** 38	**60** 44	**69** 51	**78** 58	**87** 65	**96** 72
2400	**47** 35	**57** 43	**68** 51	**79** 59	**89** 66	**99** 74	**110** 82

*Input power at 2000 PSI (138 bar)

PGM051

Motor performance data at 2500 PSI (172 bar) unless noted.

Speed RPM	1" Gear			1 ½" Gear			2" Gear			2½" Gear		
	Output		Input	Output		Input	Output		Input	Output		Input
	Torque	Power	Flow	Torque	Power	Flow	Torque	Power	Flow	Torque	Power	Flow
800	**825** 93	**10.5** 8	**10.5** 39.5	**1310** 148	**16.5** 12.5	**15.5** 58.5	**1810** 204.5	**23** 17	**21** 79.5	**2330** 263.5	**29.5** 22	**26** 98.5
1200	**850** 96	**16** 12	**15.5** 58.5	**1340** 151.5	**25.5** 19	**22.5** 85	**1830** 207	**35** 26	**30.5** 115	**2340** 264.5	**44.5** 33	**37.5** 142
1600	**830** 94	**21** 15.5	**20** 75.5	**1330** 150.5	**34** 25.5	**30** 114	**1805** 204	**46** 34.5	**40** 151	**2300** 260	**58.5** 43.5	**49.5** 187
2000	**800** 90.5	**25.5** 19	**25** 94.5	**1290** 146	**41** 30.5	**37** 140	**1770** 200	**56** 42	**49** 185	**2250** 254	**71.5** 53.5	**61.5** 233

U.S./Metric Torque: **In.-lbs.** / Nm Flow: **GPM** / LPM Power: **HP** / kW

*Motor performance data at 2000 PSI (138 bar).

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No Porting ≤ 3000 PSI

Order Code		Port Size		Gear Width Availability			
CW	CCW	In	Out	10	12	15	17
AB	AB	None	None	X	X	X	X

CW = Clockwise CCW = Counter Clockwise

No Porting ≤ 2500 PSI

Order Code		Port Size		Gear Width Availability		
CW	CCW	In	Out	20	22	25
AB	AB	None	None	X	X	X

CW = Clockwise CCW = Counter Clockwise

ODT Tube Porting ≤ 3000 PSI

Order Code		ODT Tube Porting Port Size		Gear Width Availability			
CW	CCW	In	Out	10	12	15	17
EC	ED	3/4"*	-	X*	X*		X
ED	EC	-	3/4"				X
EF	EF	3/4"	3/4"			2500	X
EJ	EG	1"*	3/4"				X*
EK	EH	1-1/4"*	3/4"			2500*	X
AC	AD	1"*	-	X*	X*	X*	X*
AA	AO	1-1/4"*	-			X*	X*

* Ports designated by an asterisk * are for use as the low-pressure inlet port only.

ODT Tube Porting ≤ 2500 PSI

Order Code		ODT Tube Porting Port Size		Gear Width Availability		
CW	CCW	In	Out	20	22	25
AC	AD	1"*	-	X		
AD	AC	-	1"	X		
AF	AF	1"	1"	X	X	X
AJ	AG	1-1/4"*	1"	X*		
AK	AH	1-1/2"*	1"	X*		X
AA	AO	1-1/4"*	-		X	X
AO	AA	-	1-1/4"		X	X
AL	AL	1-1/4"	1-1/4"		X	X
AP	AM	1-1/2"*	1-1/4"		X	X
AE	AU	1-1/2"*	-	X*	X	X
AU	AE	-	1-1/2"			X
AR	AR	1-1/2"	1-1/2"			X

* Ports designated by an asterisk * are for use as the low-pressure inlet port only.

NOTES

1. ■ Shaded cells are acceptable for motor codes.
2. X means both codes are available.
3. 2500 indicates maximum pressure rating on port.
4. CW = Clockwise; CWW = Counter Clockwise.

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Split Flange Porting ≤ 3000 PSI

Order Code		Split Flange Porting Port Size		Gear Width Availability			
CW	CCW	In	Out	10	12	15	17
UC	UD	3/4"	-	2500	X		
UD	UC	-	3/4"	2500	X		
UF	UF	3/4"	3/4"	2500	X	X	
UJ	UG	1"*	3/4"	2500*	X*	X*	
UK	UH	1-1/4"*	3/4"		X*	X*	X*
OC	OD	1"*	-		X*	2500	X
OD	OC	-	1"			2500	X
OF	OF	1"	1"			2500	X
OJ	OG	1-1/4"*	1"			2500*	X*
OK	OH	1-1/2"*	1"			2500*	X*
OA	OB	1-1/4"*	-		X*	X*	
OE	OU	1-1/2"*	-			X*	X*

* Ports designated by an asterisk * are for use as the low-pressure inlet port only.

Split Flange Porting ≤ 2500 PSI

Order Code		Split Flange Porting Port Size		Gear Width Availability		
CW	CCW	In	Out	20	22	25
OC	OD	1"*	-	X		
OD	OC	-	1"	X		
OF	OF	1"	1"	X	X	X
OJ	OG	1-1/4"*	1"	X*		
OK	OH	1-1/2"*	1"	X*	X	X
OL	OL	1-1/4"	1-1/4"	X	X	X
OP	OM	1-1/2"*	1-1/4"	X*	X	X
OE	OU	1-1/2"*	-	X*		
OR	OR	1-1/2"	1-1/2"		X	X
XB	ZB	2"*	-	X*		
OQ	ON	2"*	1-1/4"	X*	X*	X*
OV	OS	2"*	1-1/2"		X*	X*

* Ports designated by an asterisk * are for use as the low-pressure inlet port only.

NOTES

1. ■ Shaded cells are acceptable for motor codes.
2. X means both codes are available.
3. 2500 indicates maximum pressure rating on port.
4. CW = Clockwise; CWW = Counter Clockwise.

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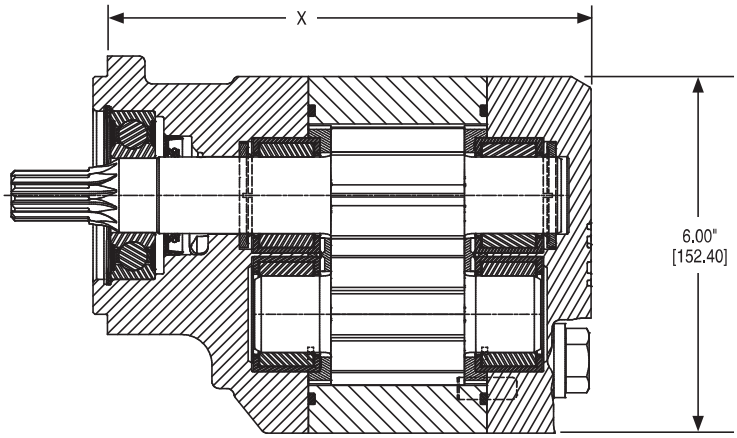
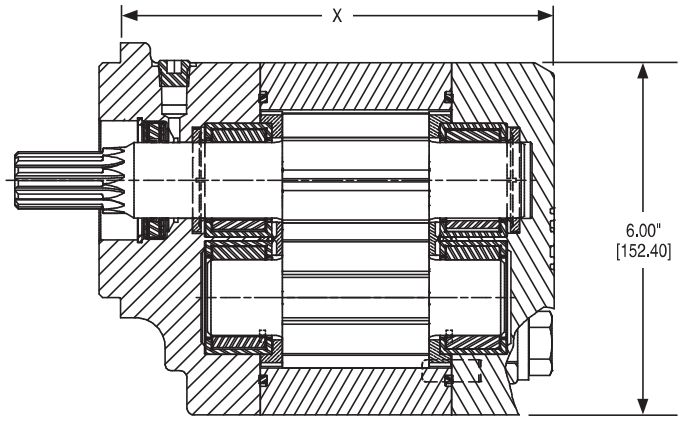


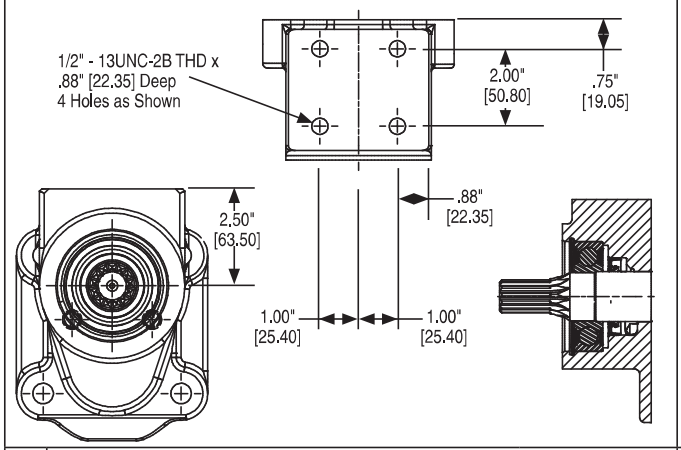
X DIMENSION – Type 1									
SEC CODE	**05**	**07**	**10**	**12**	**15**	**17**	**20**	**22**	**25**
00	6.62" [168.15]	6.87" [174.50]	7.12" [180.85]	7.37" [187.20]	7.62" [193.55]	7.87" [199.90]	8.12" [206.25]	8.37" [212.60]	8.62" [218.95]
42	6.38" [162.05]	6.63" [168.40]	6.88" [174.75]	7.13" [181.10]	7.38" [187.45]	7.63" [193.80]	7.88" [200.15]	8.13" [206.50]	8.38" [212.85]
78	6.38" [162.05]	6.63" [168.40]	6.88" [174.75]	7.13" [181.10]	7.38" [187.45]	7.63" [193.80]	7.88" [200.15]	8.13" [206.50]	8.38" [212.85]
97	6.38" [162.05]	6.63" [168.40]	6.88" [174.75]	7.13" [181.10]	7.38" [187.45]	7.63" [193.80]	7.88" [200.15]	8.13" [206.50]	8.38" [212.85]
98	6.38" [162.05]	6.63" [168.40]	6.88" [174.75]	7.13" [181.10]	7.38" [187.45]	7.63" [193.80]	7.88" [200.15]	8.13" [206.50]	8.38" [212.85]



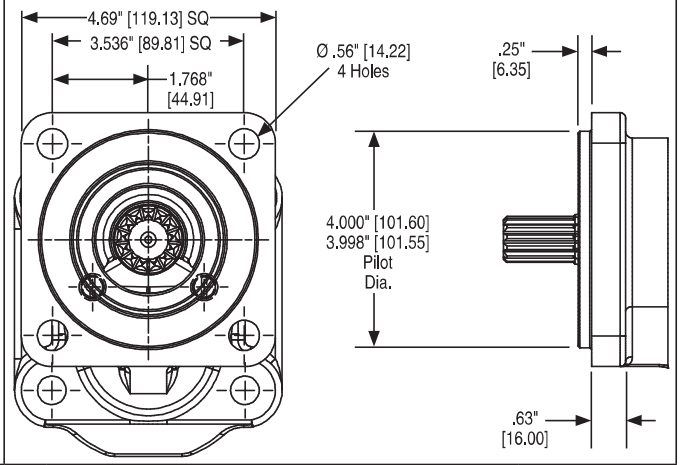
X DIMENSION – Type 2 (Standard PEC)									
SEC CODE	05	07	10	12	15	17	20	22	25
46	5.38" [136.65]	5.63" [143.00]	5.88" [149.35]	6.13" [155.70]	6.38" [162.05]	6.63" [168.40]	6.88" [174.75]	7.13" [181.10]	7.38" [187.45]
96	5.38" [136.65]	5.63" [143.00]	5.88" [149.35]	6.13" [155.70]	6.38" [162.05]	6.63" [168.40]	6.88" [174.75]	7.13" [181.10]	7.38" [187.45]
99	5.38" [136.65]	5.63" [143.00]	5.88" [149.35]	6.13" [155.70]	6.38" [162.05]	6.63" [168.40]	6.88" [174.75]	7.13" [181.10]	7.38" [187.45]

X DIMENSION – Type 2 (Large PEC)						
SEC CODE	12	15	17	20	22	25
46	6.76" [171.70]	7.01" [178.05]	7.26" [184.40]	7.51" [190.75]	7.76" [197.10]	8.01" [203.45]
96	6.76" [171.70]	7.01" [178.05]	7.26" [184.40]	7.51" [190.75]	7.76" [197.10]	8.01" [203.45]
99	6.76" [171.70]	7.01" [178.05]	7.26" [184.40]	7.51" [190.75]	7.76" [197.10]	8.01" [203.45]

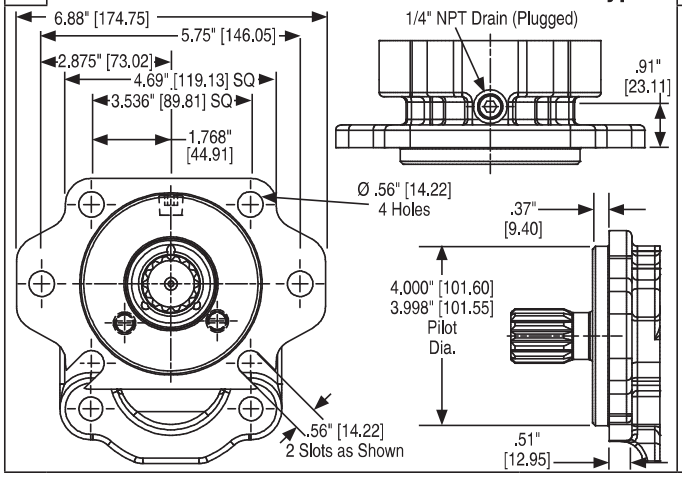
00 Pad Mount — **Type 1**



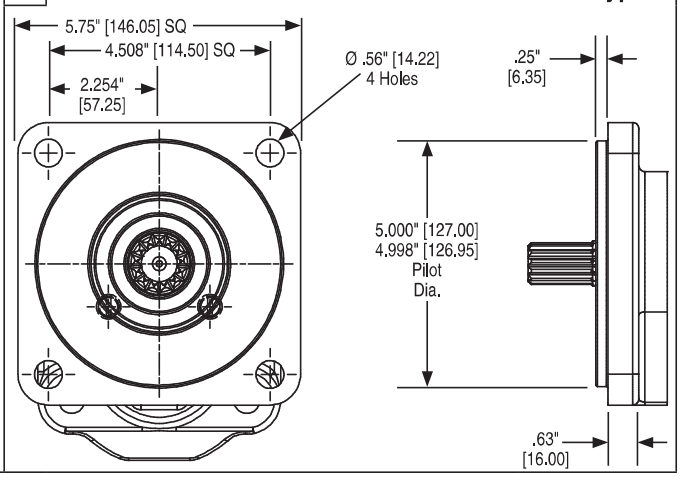
42 SAE B 4-Bolt — **Type 1**



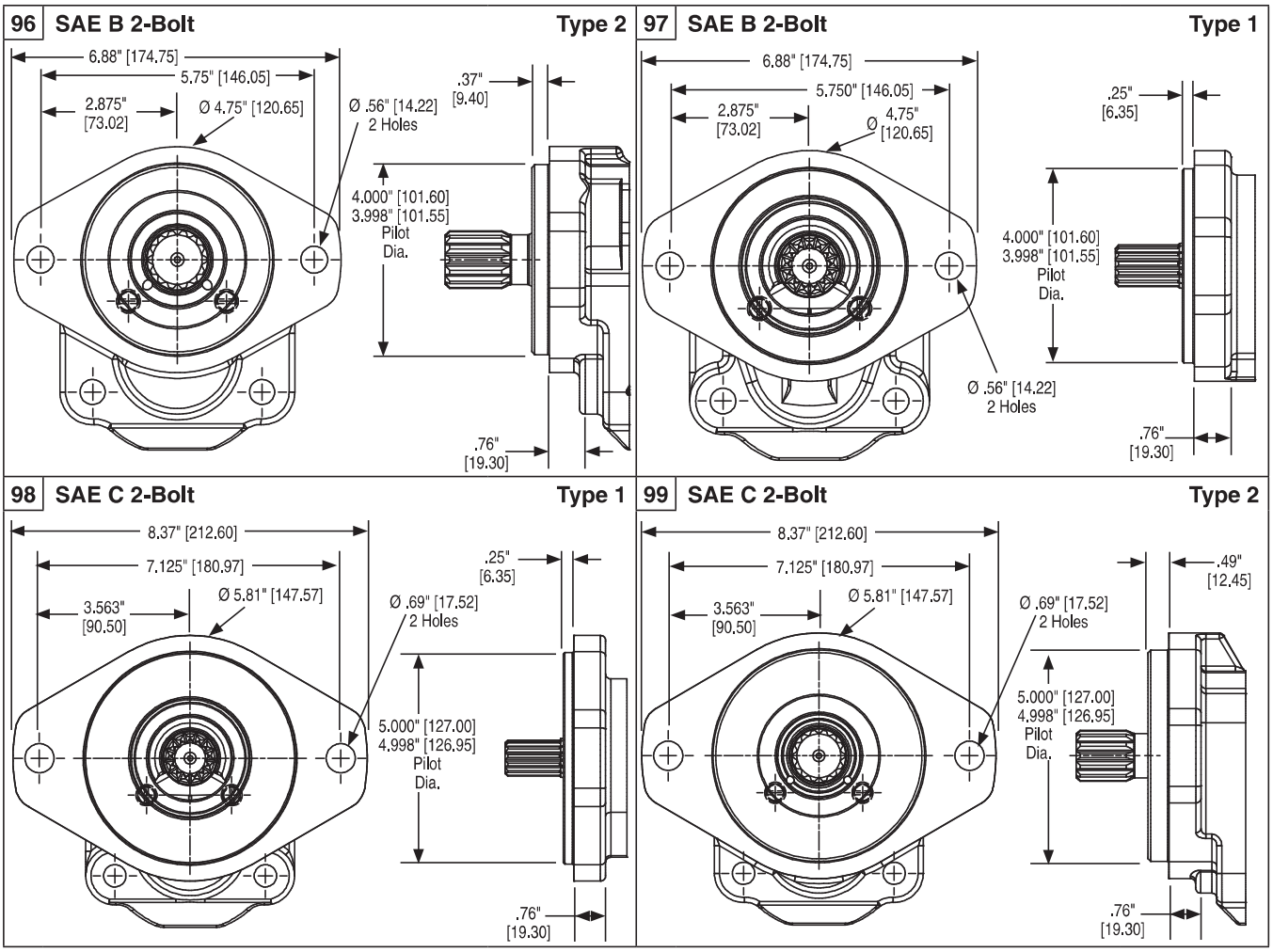
46 SAE B 2 or 4-Bolt — **Type 2**



78 SAE C 4-Bolt — **Type 1**

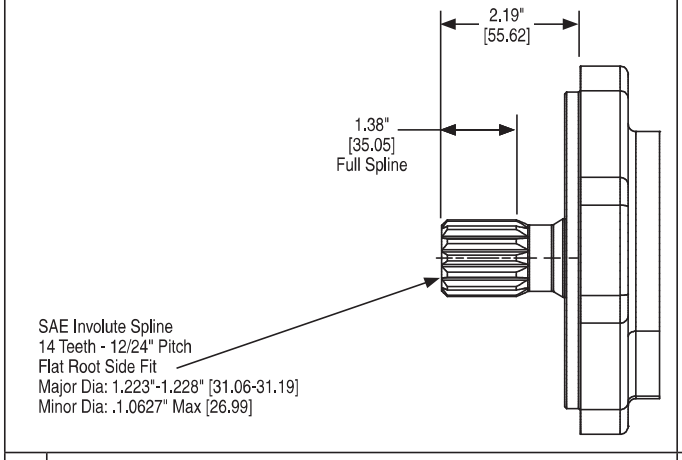


WARNING: This product can expose you to chemicals including lead or DEHP which are known to the state of California to cause cancer, birth defects, and other reproductive harm. www.p65warnings.ca.gov

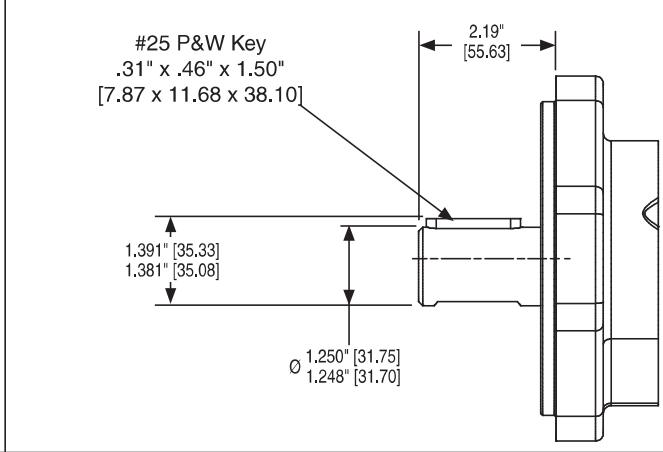


WARNING: This product can expose you to chemicals including lead or DEHP which are known to the state of California to cause cancer, birth defects, and other reproductive harm. www.p65warnings.ca.gov

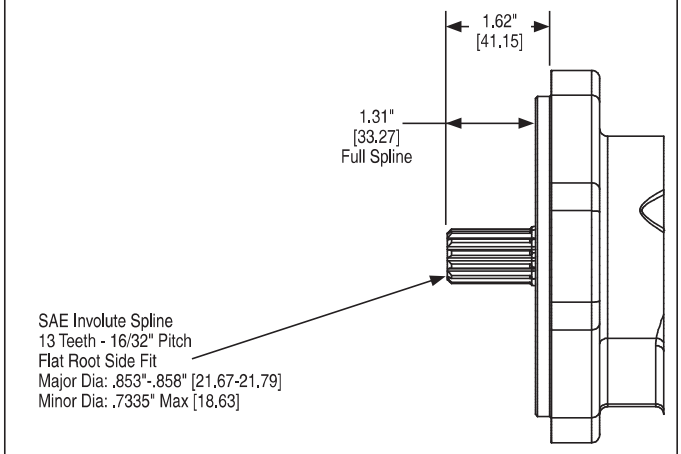
7 SAE C Spline — **Type 1**



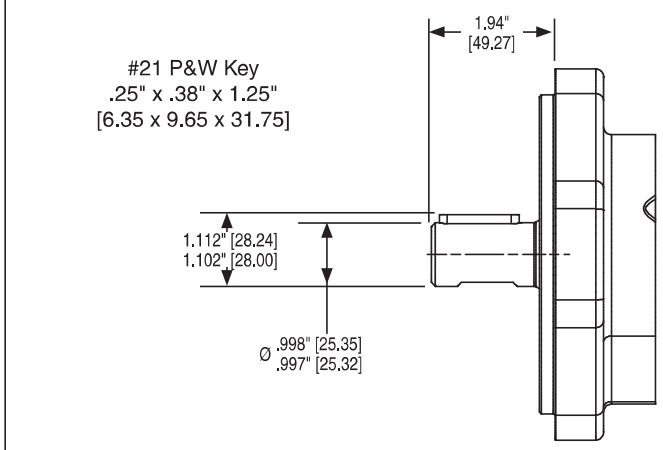
11 SAE C Keyed — **Type 1**



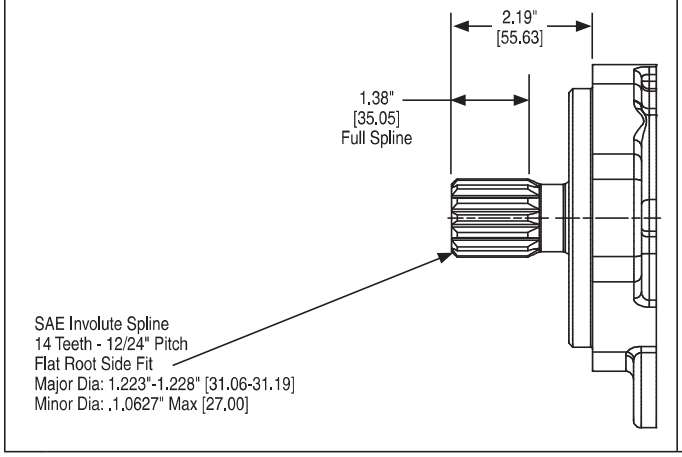
25 SAE B Spline — **Type 1**



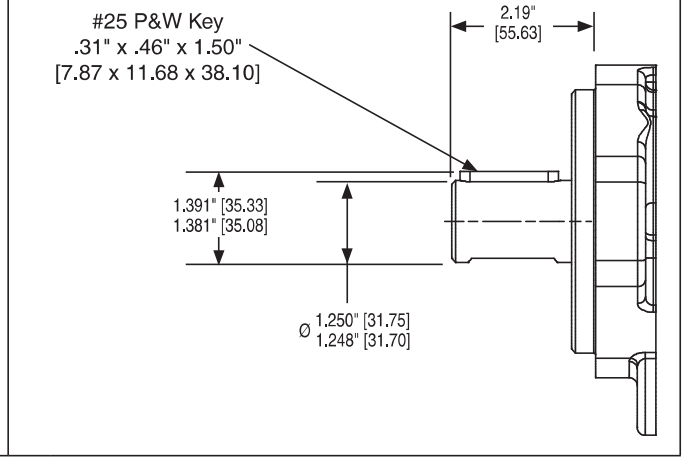
43 SAE BB Keyed — **Type 1**



53 SAE C Spline — **Type 2**



61 SAE C Keyed — **Type 2**



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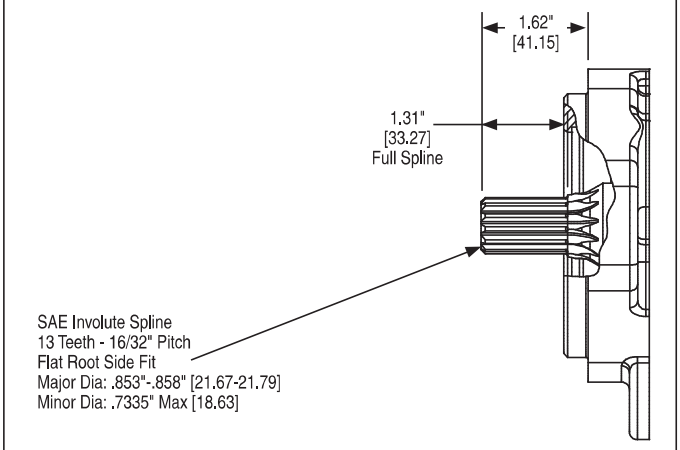
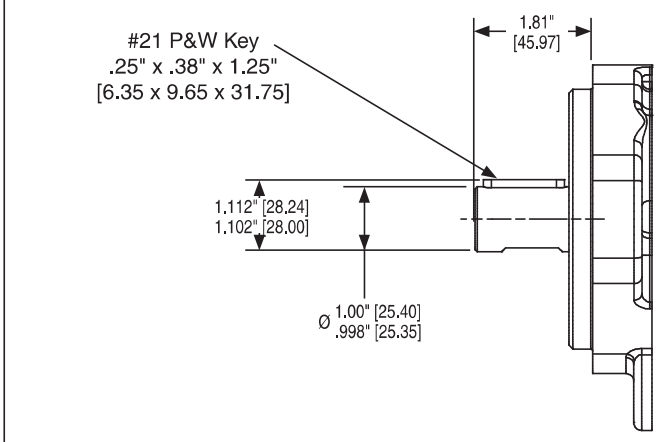
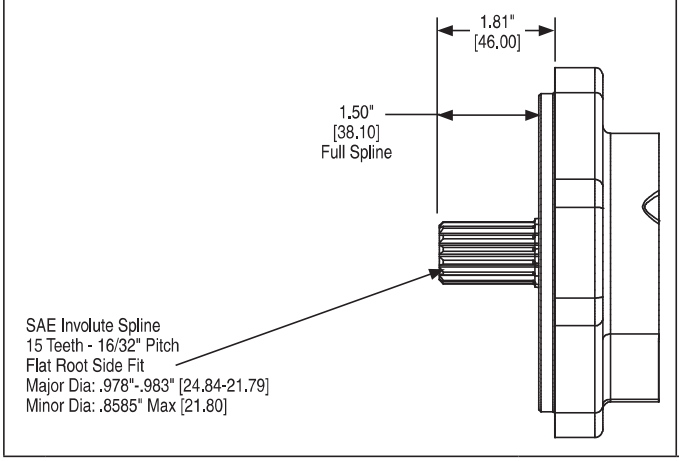
65 SAE B Spline — **Type 2**



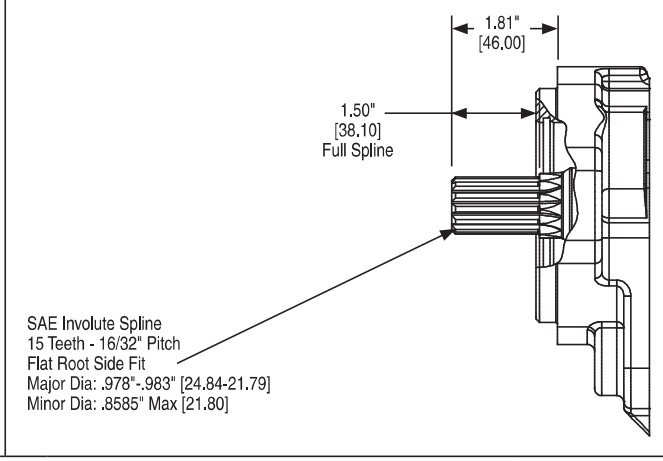
67 SAE BB Keyed — **Type 2**



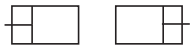
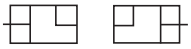
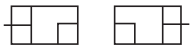
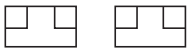
98 SAE BB Spline — **Type 1**



**** SAE BB Spline** — **Type 2**

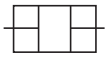


PGP051

Rotation Flow Path	ODT Porting		Split Flange Porting		Port Size	
	CW	CCW	CW	CCW	In	Out
	CB	BC	LB	BL	1"	-
	DB	BD	MB	BM	1-1/4"	-
	FB	BF	NB	BN	1-1/2"	-
	PJ	JP	BR	RB	-	3/4"
	CJ	JC	LR	RL	1"	3/4"
	DJ	JD	MR	RM	1-1/4"	3/4"
	FJ	JF	NR	RN	1-1/2"	3/4"
	DK	KD	MS	SM	1-1/4"	1"
	FK	KF	NS	SN	1-1/2"	1"
	CR	RC	LX	XL	1"	3/4"
	DR	RD	MX	XM	1-1/4"	3/4"
	FR	RF	-	-	1-1/2"	3/4"
	DS	SD	MZ	ZM	1-1/4"	1"
	FS	SF	NZ	ZN	1-1/2"	1"
	HZ	ZH	-	-	-	1"
	KJ	JK	SR	RS	1"	3/4"

CW = Clockwise CCW = Counter Clockwise

PGM051

Rotation Flow Path	ODT Porting	Split Flange Porting	Port Size	
	DUAL	DUAL	In	Out
	CC	LL	1"	1"
	BB	MM	1-1/4"	1-1/4"
	FF	NN	1-1/2"	1-1/2"

																Multiple Units: Repeat if Necessary							
PG	1	051	2	3	3	4	4	5	5	6	6	7	7	-	8	8	9	9	6	6	7	7	10	10

1 – Description	
P	Pump
M	Motor

2 – Unit	
A	Single
B	Tandem
C	Single or Tandem w/2-pc Shaft (O.B. bearing required)

3 – Rotation / Shaft	
1	Pump, cw w/o O.B. bearing
2	Pump, ccw w/o O.B. bearing
4	Pump, cw with O.B. bearing
5	Pump, ccw with O.B. bearing
8	Motor, bi-rot. with O.B. bearing; 1/4" NPT drain
9	Motor, bi-rot. w/o O.B. bearing; 1/4" NPT drain

4 – Mount *(type 1 unless noted)*	
00	4-Bolt Pad mount
42	SAE 4-Bolt B ANSI 101-4: Port Dia. 4"
78	SAE 4-Bolt C ANSI 127-4: Port Dia. 5"
91	For piggyback: Port Dia. 4"
92	For piggyback: Port Dia. 5"
96	SAE 2-Bolt B ANSI 101-2, **type 2**: Port Dia. 4"
97	SAE 2-Bolt B ANSI 101-2: Port Dia. 4"
98	SAE 2-Bolt C ANSI 127-2: Port Dia. 5"
99	SAE 2-Bolt C ANSI 127-2: **type 2**: Port Dia. 5"

5 – Port Options			
Single Units		Port Size	
w/o ST	w/ST	Left	Right
Unported			
BE	BY	No Port	No Port
Tandem Units			
w/o ST	w/ST		
BI	BY	1"	1"
ODT Porting			
Single Units		Port Size	
w/o ST	w/ST	Left	Right
CE	CY	3/4"	-
DE	DY	-	3/4"
FE	FY	3/4"	3/4"
Tandem Units			
w/o ST	w/ST		
CI	CY	3/4"	-
DI	DY	-	3/4"
FI	FY	3/4"	3/4"
Piggyback Port End - Pump Only			
	CW	CCW	Double
Type 051-051	KO	LO	MO

NOTE: w/o ST columns denote units without support studs w/ST columns denote units with support studs

6 – Gear Housing			
Order Code		Port Size	
CW	CCW	In	Out
No Porting ≤ 3000 PSI			
AB	AB	None	None
No Porting ≤ 2500 PSI			
AB	AB	None	None

See chart on page 39

6 – Gear Housing			
Order Code		Port Size	
CW	CCW	In	Out
ODT Tube Porting ≤ 3000 PSI			
EC	ED	3/4"*	-
ED	EC	-	3/4"
EF	EF	3/4"	3/4"
EJ	EG	1"*	3/4"
EK	EH	1-1/4"*	3/4"
AC	AD	1"*	-
AA	AO	1-1/4"*	-
ODT Tube Porting ≤ 2500 PSI			
AC	AD	1"*	-
AD	AC	-	1"
AF	AF	1"	1"
AJ	AG	1-1/4"*	1"
AK	AH	1-1/2"*	1"
AA	AO	1-1/4"*	-
AO	AA	-	1-1/4"
AL	AL	1-1/4"	1-1/4"
AP	AM	1-1/2"*	1-1/4"
AE	AU	1-1/2"*	-
AU	AE	-	1-1/2"
AR	AR	1-1/2"	1-1/2"

*Ports designated by an asterisk * are for use as the low-pressure inlet port only.

See chart on page 40

FOR ALL UNITS

To determine direction of shaft rotation, view the unit with the shaft pointing toward you, and the idler (driven) gear beneath the shaft. With clockwise rotation, flow will be left to right. The inlet pump port will be on the left, outlet on the right. The flow is in the opposite direction with counter-clockwise rotation. Inverting the pump will reverse the inlet and outlet ports but not the direction of rotation.

Continued on Next Page

WARNING: This product can expose you to chemicals including lead or DEHP which are known to the state of California to cause cancer, birth defects, and other reproductive harm. www.p65warnings.ca.gov

																Multiple Units: Repeat if Necessary							
PG	1	051	2	3	3	4	4	5	5	6	6	7	7	-	8	8	9	9	6	6	7	7	10	10

6 – Gear Housing			
Order Code		Port Size	
CW	CCW	In	Out
Split Flange Porting ≤ 3000 PSI			
UC	UD	3/4"	-
UD	UC	-	3/4"
UF	UF	3/4"	3/4"
UJ	UG	1"*	3/4"
UK	UH	1-1/4"*	3/4"
OC	OD	1"*	-
OD	OC	-	1"
OF	OF	1"	1"
OJ	OG	1-1/4"*	1"
OK	OH	1-1/2"*	1"
OA	OB	1-1/4"*	-
OE	OU	1-1/2"*	-
Split Flange Porting ≤ 2500 PSI			
OC	OD	1"*	-
OD	OC	-	1"
OF	OF	1"	1"
OJ	OG	1-1/4"*	1"
OK	OH	1-1/2"*	1"
OL	OL	1-1/4"	1-1/4"
OP	OM	1-1/2"*	1-1/4"
OE	OU	1-1/2"*	-
OR	OR	1-1/2"	1-1/2"
XB	ZB	2"*	-
OQ	ON	2"*	1-1/4"
OV	OS	2"*	1-1/2"
*Ports designated by an asterisk * are for use as the low-pressure inlet port only.			
See chart on page 41			

7 – Gear Width					
Order Code	Gear Width	in.³ /rev.	cm³ /rev.	Max Pressure	
				PSI	bar
ODT Tube Ports ≤ 2500 and ≤ 3000 PSI Split Flange Ports ≤ 2500 and ≤ 3000 PSI					
05	1/2"	1.28	20.9	3000	207
07	3/4"	1.91	31.3	3000	207
10	1"	2.55	41.8	3000	207
12	1-1/4"	3.19	52.2	3000	207
15	1-1/2"	3.83	62.7	3000	207
17	1-3/4"	4.46	73.1	3000	207
20	2"	5.10	83.6	2500	172
22	2-1/4"	5.74	94.0	2500	172
25	2-1/2"	6.38	104.5	2500	172

8 – Drive Shafts *(type 1 unless noted)* For single, tandem, or two-piece shaft unless noted.	
07	SAE C 14 tooth spline 1.25" dia., ANSI 32-4
11	SAE C keyed 1.25" dia., 5/16" x 15/32" x 1-1/2" key, ANSI 32-1
25	SAE B 13 tooth spline .88" dia., ANSI 22-4
43	SAE BB keyed 1.00" dia. 1/4" x 3/8" x 1-1/4" key, ANSI 25-1
53	SAE C 14 tooth spline 1.25" dia., ANSI 32-4, **type 2** (single & tandem)
61	SAE C Keyed, **type 2**
65	SAE B 13 tooth spline .88" dia., ANSI 22-4, **type 2** (single & tandem)
67	SAE BB keyed 1.00" dia., 1/4"x3/8"x1-1/4" key, ANSI 25-1, **type 2** (single & tandem)
98	SAE BB 15 tooth spline, 1.00" dia., ANSI 25-4 (single & tandem)
**	SAE BB 15 tooth spline, **type 2**

Continued on Next Page

WARNING: This product can expose you to chemicals including lead or DEHP which are known to the state of California to cause cancer, birth defects, and other reproductive harm. www.p65warnings.ca.gov

															Multiple Units: Repeat if Necessary									
PG	1	051	2	3	3	4	4	5	5	6	6	7	7	-	8	8	9	9	6	6	7	7	10	10

9 – Bearing Carriers			
Order Code		Port Size	
CW	CCW	IN	OUT
OD Tube Porting (pump)			
CB	BC	1"	-
DB	BD	1-1/4"	-
FB	BF	1-1/2"	-
PJ	JP	-	3/4"
CJ	JC	1"	3/4"
DJ	JD	1-1/4"	3/4"
FJ	JF	1-1/2"	3/4"
DK	KD	1-1/4"	1"
FK	KF	1-1/2"	1"
CR	RC	1"	3/4"
DR	RD	1-1/4"	3/4"
FR	RF	1-1/2"	3/4"
DS	SD	1-1/4"	1"
FS	SF	1-1/2"	1"
HZ	ZH	-	1"
KJ	JK	1"	3/4"
SAE Split Flange			
LB	BL	1"	-
MB	BM	1-1/4"	-
NB	BN	1-1/2"	-
BR	RB	-	3/4"
LR	RL	1"	3/4"
MR	RM	1-1/4"	3/4"
NR	RN	1-1/2"	3/4"
MS	SM	1-1/4"	1"
NS	SN	1-1/2"	1"
LX	XL	1"	3/4"
MX	XM	1-1/4"	3/4"
MZ	ZM	1-1/4"	1"
NZ	ZN	1-1/2"	1"
SR	RS	1"	3/4"

See chart on page 48

9 – Bearing Carriers			
Order Code		Port Size	
CW	CCW	IN	OUT
OD Tube Porting (motor)			
DUAL	CC	1"	1"
DUAL	BB	1-1/4"	1-1/4"
DUAL	FF	1-1/2"	1-1/2"
OD Tube Porting (motor)			
DUAL	LL	1"	1"
DUAL	MM	1-1/4"	1-1/4"
DUAL	NN	1-1/2"	1-1/2"

See chart on page 49

10 – Connecting Shaft	
For connecting tandem units.	
01	Connecting Shaft - Multiple Units
22	Piggyback Pump Connecting Shaft 051 to 051
23	Piggyback Pump Connecting Shaft 076 to 051

NOTE: Split flange thread depths may be more shallow than SAE standard. Contact Product Support Department for actual dimensions.

WARNING: This product can expose you to chemicals including lead or DEHP which are known to the state of California to cause cancer, birth defects, and other reproductive harm. www.p65warnings.ca.gov