

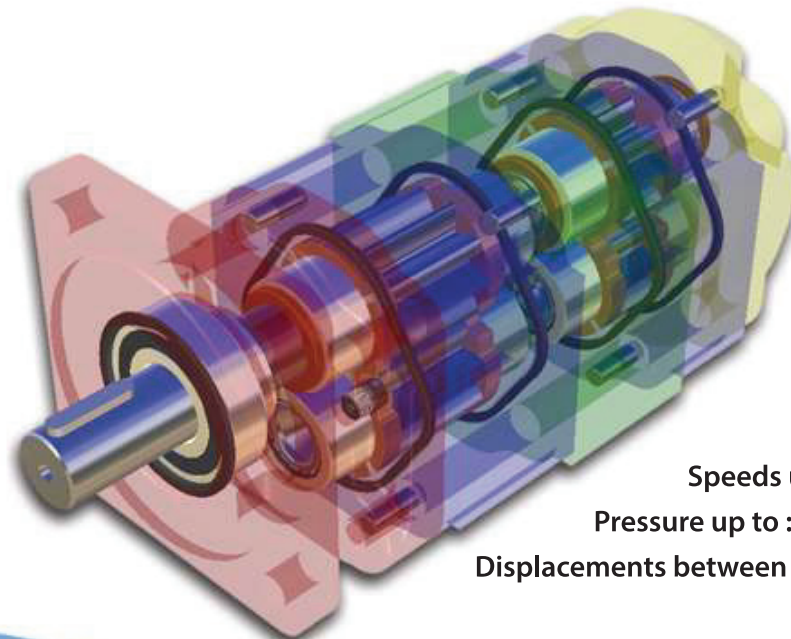


GEAR PUMP MANUFACTURING

Getting the World into Gear

Bearing Range

SERIES: 120; 125; 130; 131; 150; 151; 175; 176



HYDRAULIC:

- PUMPS
- MOTORS
- FLOW DIVIDERS
- ADD-A-PUMPS
- SPARE PARTS

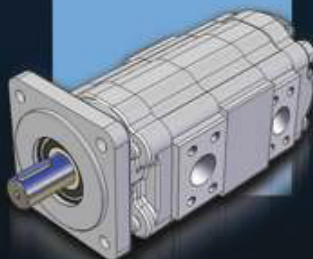
Speeds up to : 2400 RPM

Pressure up to : 205 BAR

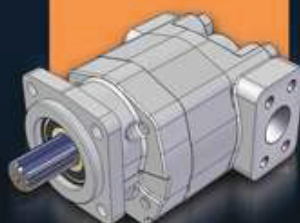
Displacements between : 16 cc/rev - 200 cc/rev

Complete product range:

BEARING PUMPS



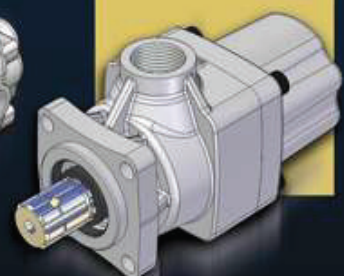
BUSHING PUMPS



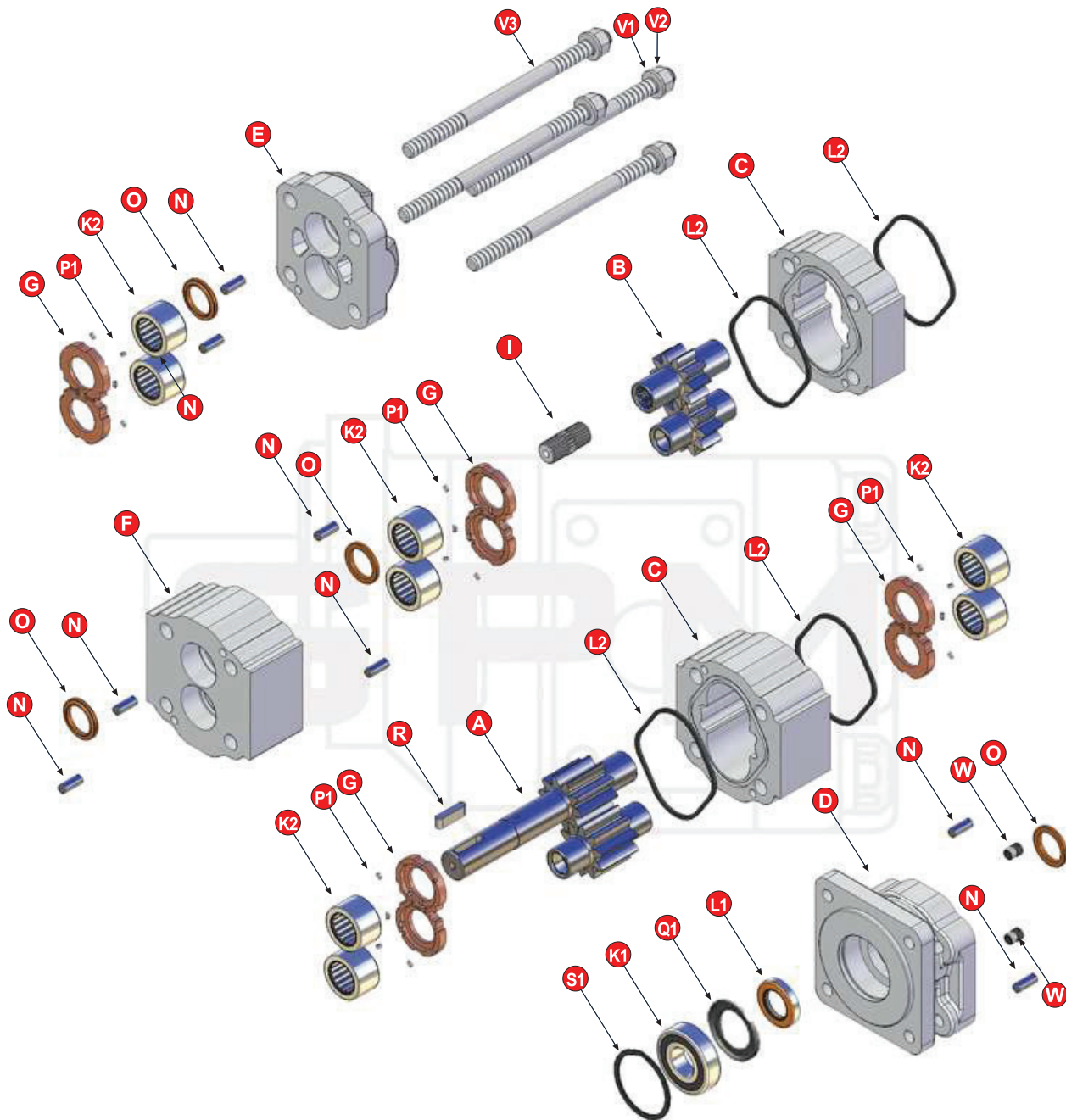
PTO GEAR PUMPS



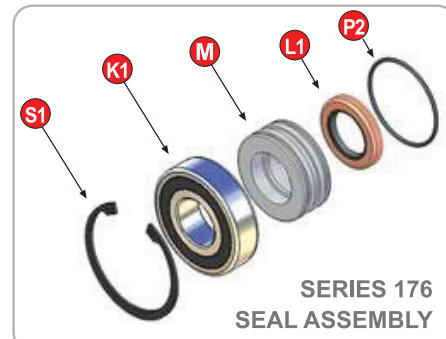
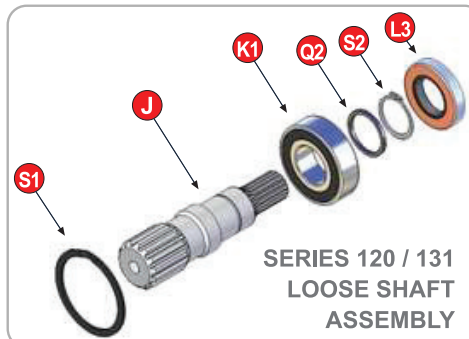
PTO PISTON PUMPS

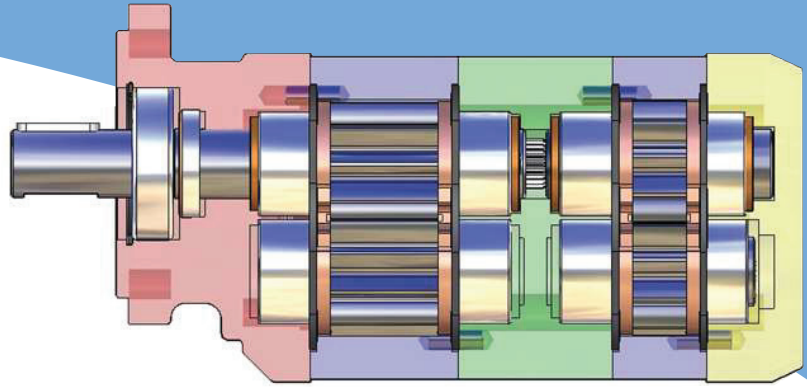


QUICK REFERENCE EXPLODED VIEW A - W



REFER TO
QUICK
REFERENCE
CHART
FOR
VARIOUS
OPTIONS
AVAILABLE





PUMP & MOTOR SPECIFICATIONS

CODE

Manufactured in South Africa

DASH SIZE GEAR WIDTH	-05 0.50"(1/2")	-07 0.75"(3/4")	-10 1.00"(1")	-12 1.25"(1 1/4")	-15 1.50"(1 1/2")	-17 1.75"(1 3/4")	-20 2.00"(2")	-22 2.25"(2 1/4")	-25 2.50"(2 1/2")	-27 2.75"(2 3/4")	-30 3.00"(3")
120											
Gear Housing Width	1.25"(11/4")	1.50"(11.2")	1.75"(13/4")	2.00"(2")	2.25"(21/4")	2.50"(21/2")	2.75"(23/4")				
cc/rev	16.00	24.10	32.20	40.30	48.30	56.40	64.50				
Lpm (at 1000rpm)	16.00	24.10	32.20	40.30	48.30	56.40	64.50				
cu in (cu in/rev)	0.99	1.48	1.97	2.46	2.96	3.45	3.94				
US gpm (at 1000rpm)	4.23	6.37	8.51	10.65	12.76	14.90	17.04				
Max Pressure (bar)	205	205	205	205	205	170	170				
Max Pressure (psi)	3000	3000	3000	3000	3000	2500	2500				
Max Speed (rpm)	2400	2400	2400	2400	2400	2400	2400				
Pump Weight (kg)	10.80	11.30	11.80	12.50	13.20	13.80	14.70				
Additional sect add (kg)	9.50	9.90	10.40	10.90	11.30	11.80	12.70				
125											
Gear Housing Width	1.25"(11/4")	1.50"(11.2")	1.75"(13/4")	2.00"(2")	2.25"(21/4")	2.50"(21/2")	2.75"(23/4")	3.00"(3")	3.25"(31/4")		
cc/rev	20.80	31.20	41.70	52.10	62.60	73.00	83.50	94.00	104.40		
Lpm (at 1000rpm)	20.80	31.20	41.70	52.10	62.60	73.00	83.50	94.00	104.40		
cu in (cu in/rev)	1.28	1.91	2.55	3.19	3.82	4.46	5.10	5.74	6.38		
US gpm (at 1000rpm)	5.50	8.24	11.02	13.76	16.54	19.29	22.06	24.84	27.58		
Max Pressure (bar)	170	170	170	170	170	153	153	138	138		
Max Pressure (psi)	2500	2500	2500	2500	2500	2250	2250	2000	2000		
Max Speed (rpm)	2400	2400	2400	2400	2400	2400	2400	2400	2400		
Pump Weight (kg)	17.00	17.00	17.00	17.50	18.00	19.00	19.50	22.00	22.50		
Additional sect add (kg)	17.00	17.00	17.00	17.50	18.00	19.00	19.50	22.00	22.50		
130 131											
Gear Housing Width	1.25"(11/4")	1.50"(11.2")	1.75"(13/4")	2.00"(2")	2.25"(21/4")	2.50"(21/2")	2.75"(23/4")	3.00"(3")	3.25"(31/4")		
cc/rev	16.00	24.10	32.20	40.30	48.30	56.40	64.50	72.60	80.00		
Lpm (at 1000rpm)	16.00	24.10	32.20	40.30	48.30	56.40	64.50	72.60	80.00		
cu in (cu in/rev)	0.99	1.48	1.97	2.46	2.96	3.45	3.94	4.43	4.92		
US gpm (at 1000rpm)	4.23	6.37	8.51	10.65	12.76	14.90	17.04	19.18	21.14		
Max Pressure (bar)	170/205	170/205	170/205	170/205	170/205	153/170	153/170	138/153	138/153		
Max Pressure (psi)	2500/3000	2500/3000	2500/3000	2500/3000	2500/3000	2250/2500	2250/2500	2000/2250	2000/2250		
Max Speed (rpm)	2400	2400	2400	2400	2400	2400	2400	2400	2400		
Pump Weight (kg)	15.00	15.00	15.00	15.50	16.00	16.50	17.00	17.50	18.00		
Additional sect add (kg)	12.00	12.00	12.00	12.50	13.00	14.00	14.50	15.00	15.50		
150 151											
Gear Housing Width	1.25"(11/4")	1.50"(11.2")	1.75"(13/4")	2.00"(2")	2.25"(21/4")	2.50"(21/2")	2.75"(23/4")	3.00"(3")	3.25"(31/4")		
cc/rev	20.80	31.20	41.70	52.10	62.60	73.00	83.50	94.00	104.40		
Lpm (at 1000rpm)	20.80	31.20	41.70	52.10	62.60	73.00	83.50	94.00	104.40		
cu in (cu in/rev)	1.28	1.91	2.55	3.19	3.82	4.46	5.10	5.74	6.38		
US gpm (at 1000rpm)	5.50	8.24	11.02	13.76	16.54	19.29	22.06	24.84	27.58		
Max Pressure (bar)	170/205	170/205	170/205	170/205	170/205	153/170	153/170	138/153	138/153		
Max Pressure (psi)	2500/3000	2500/3000	2500/3000	2500/3000	2500/3000	2250/2500	2250/2500	2000/2250	2000/2250		
Max Speed (rpm)	2400	2400	2400	2400	2400	2400	2400	2400	2400		
Pump Weight (kg)	17.00	17.00	17.00	17.50	18.00	19.00	19.50	22.00	22.50		
Additional sect add (kg)	17.00	17.00	17.00	17.50	18.00	19.00	19.50	22.00	22.50		
175 176											
Gear Housing Width		1.75"(13/4")	2.00"(2")	2.25"(21/4")	2.50"(21/2")	2.75"(23/4")	3.00"(3")	3.25"(31/4")	3.50"(31/2")	3.75"(33/4")	4.00"(4")
cc/rev		50.30	67.10	84.00	100.60	117.50	134.30	151.00	168.00	184.50	200.00
Lpm (at 1000rpm)		50.30	67.10	84.00	100.60	117.50	134.30	151.00	168.00	184.50	200.00
cu in (cu in/rev)		3.07	4.09	5.13	6.14	7.17	8.20	9.21	10.25	11.28	12.30
US gpm (at 1000rpm)		13.29	17.73	22.19	26.58	31.04	35.48	39.89	44.39	48.75	52.84
Max Pressure (bar)		170/205	170/205	170/205	170/205	170/205	170/205	153/170	153/170	138/153	138/153
Max Pressure (psi)		2500/3000	2500/3000	2500/3000	2500/3000	2500/3000	2500/3000	2250/2500	2250/2500	2000/2250	2000/2250
Max Speed (rpm)		2400	2400	2400	2400	2400	2400	2400	2400	2400	2400
Pump Weight (kg)		33.00	33.00	34.00	35.00	36.00	37.00	38.00	39.00	40.00	41.00
Additional sect add (kg)		33.00	33.00	34.00	35.00	36.00	37.00	38.00	39.00	40.00	41.00

THE ABOVE DATA ARE AVERAGE RESULTS BASED ON A SERIES OF TESTS AND ARE NOT NECESSARILY REPRESENTATIVE OF ANY SINGLE UNIT. GEAR PUMP MANUFACTURING RESERVES THE RIGHT TO AMEND THE TECHNICAL DATA WITHOUT NOTICE.

Useful Formulae	To Convert	Inches	Bar	Cu in/rev	US GPM	US GPM	kg
	Into	Millimeters	Psi	cc/rev	Cu In/rev	cc/rev	lbs
	Multiply by	25.4	14.5	16.39	2.31	3.785	2.205

GP = PUMP
GM = MOTOR
GF = FLOW DIVIDER
GA = ADD ON
GB = STEP DOWN
GZ = PUMP / MOTOR COMBO