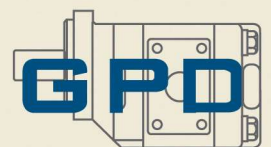
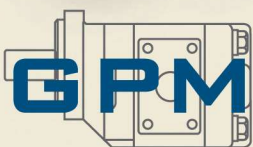
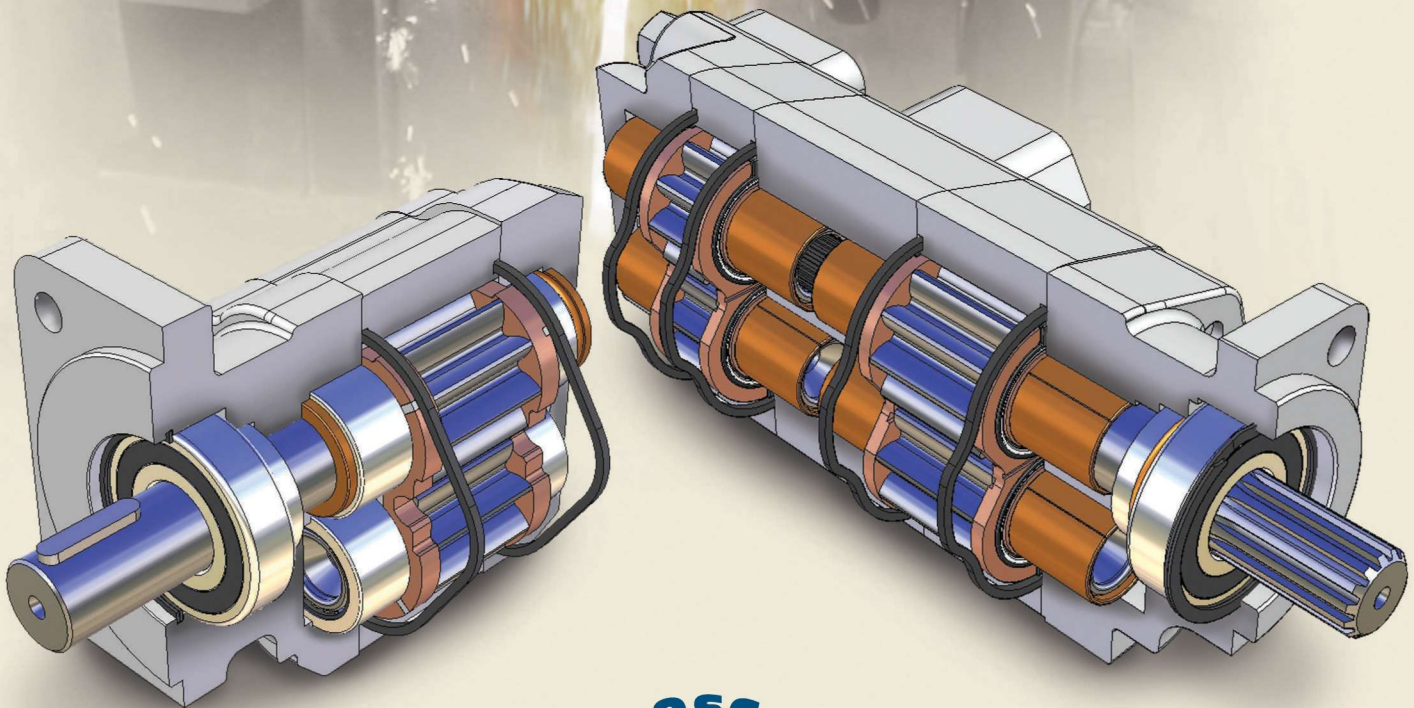


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Gear Pump Manufacturing

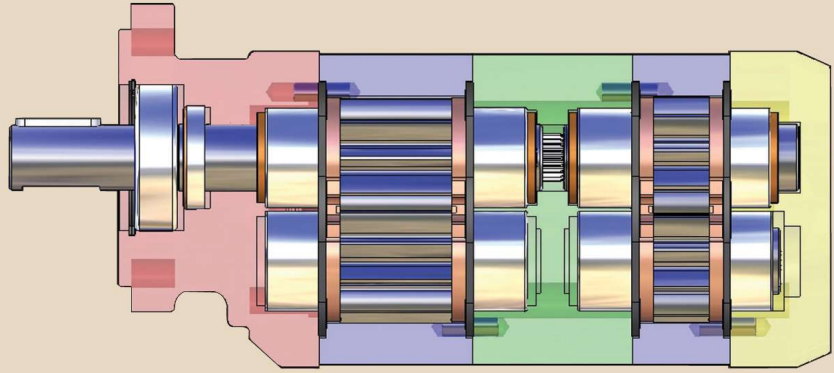
Getting the World into Gear



Manufactured in South Africa

BEARING RANGE

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")																																																																																																																								
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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

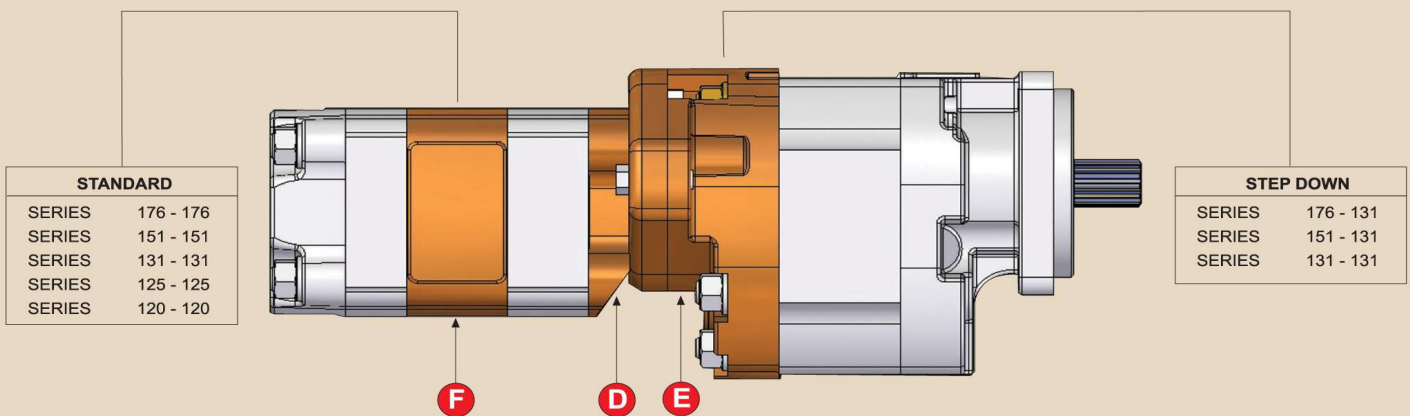
- GP = PUMP
- GM = MOTOR
- GF = FLOW DIVIDER
- GA = ADD ON
- GB = STEP DOWN
- GZ = PUMP / MOTOR COMBO



BEARING RANGE - Quick Reference

		120	125	131	151	176
K BEARINGS/BUSHES						
NEEDLE ROLLER	K2	KY-131	KS-151	KY-131	KS-151	KR-176
SHAFT BALL BEARING	K1	KX-131-40	KX-125-8	KX-131-40	KX-151-58	KX-176-59
L SEALS						
BODY SEALS	L2	LUB-120-239	LUB-151-244	LUB-131-242	LUB-151-244	LUB-176-252
PUMP SEAL STANDARD	L1	LX-131-16	LX-125-13	LX-131-16	LX-151-17	LX-176-10
MOTOR SEAL STANDARD		LX-131-9	LX-125-3	LX-131-9	LX-151-8	LX-176-1
PUMP SEAL LOOSE SHAFT	L3	LX-131-18		LX-131-18		
MOTOR SEAL LOOSE SHAFT		LX-131-11		LX-131-11		
PUMP SEAL VITON		LX-131V-16	LX-125V-13	LX-131V-16	LX-151V-17	LX-176V-10
M RETAINERS						
SEAL RETAINER MOTOR			MAV-125			MRA-176
SEAL RETAINER PUMP			MGA-125			MRA-176
RETAINER NUT PUMP			MW-125			
RETAINER NUT MOTOR			MLA-125			
N DOWELS						
STANDARD				NDOWEL-131	NDOWEL-131	NDOWEL-176
O BRONZE PRESSURE RING						
RING SEAL		OLB-131-1		OLB-131-1	ONB-151-1	OWB-176-1
SHAFT BUSH			OAH-125			
CONNECTING SHAFT BUSH			OAR-125			
P O-RINGS/POCKET SEALS						
RETAINER O-RING	P2		PL-125-26			PL-176-164
POCKET SEAL	P1	PBA-131-2	PBA-131-2	PBA-131-2	PBA-131-2	PBA-176-3
STEP DOWN				PL-PB131/131-30		PL-PB176/131-159
Q SPACERS						
SEAL SPACER	Q1	QAE-131	QSA-125	QAE-131	QAC-151	
INTERNAL SPACER			QTA-125-?		QVB-151-1	
BEARING SPACER		QVB-131-2	QGB-125	QVB-131-2	QVB/AC-151	QVB-176
SHAFT SPACER	Q2	QTB-131	QDB-125	QTB-131		QAF-176
STEP DOWN				QAK131/131		QAL176/131
R KEYS						
SELECT AS PER KEY SHAFT		RX-??	RX-??	RX-??	RX-??	RX-??
S SNAP RINGS/CIRCLIPS						
SHAFT	S2	SX-131-100	SX-125-13	SX-131-100	SX-151-125	SX-176-137
SHAFT END COVER	S1	SX-131-206		SX-131-206	SX-151-283	SX-176-315
V FASTENERS						
BOLTS		VBOLT 9/16" X ?	VBOLT 5/8" X ?	VBOLT 5/8" X ?	VBOLT 5/8" X ?	VBOLT 5/8" X ?
NUTS	V2	VNUT 9/16"	VNUT 5/8"	VNUT 5/8"	VNUT 5/8"	VNUT 5/8"
WASHERS	V1	VWASHER 9/16"	VWASHER 5/8"	VWASHER 5/8"	VWASHER 5/8"	VWASHER 5/8"
STUDS 06"-11"	V3	VSTUD 9/16"X6-11	VSTUD 5/8"X6-11	VSTUD 5/8"X6-11	VSTUD 5/8"X6-11	VSTUD 5/8"X6-11
STUDS 11"-16"	V3	VSTUD 9/16"X11-16	VSTUD 5/8"X11-16	VSTUD 5/8"X11-16	VSTUD 5/8"X11-16	VSTUD 5/8"X11-16
STUDS 16"-21"	V3	VSTUD 9/16"X16-21	VSTUD 5/8"X16-21	VSTUD 5/8"X16-21	VSTUD 5/8"X16-21	VSTUD 5/8"X16-21
STUDS 21"-26"	V3	VSTUD 9/16"X21-26	VSTUD 5/8"X21-26	VSTUD 5/8"X21-26	VSTUD 5/8"X21-26	VSTUD 5/8"X21-26
<i>ALL STUDS HAVE EXTENDED THREAD ON ONE SIDE AND CAN BE CUT SHORTER TO REQUIRED SIZE • SUBSTITUTE ?? WITH BOLT DIMENSIONS</i>						
W SMALL PARTS						
PLUG DRAIN		WX-131-11	WX-131-11	WX-131-11	WX-131-11	WX-131-11
PLUG SHAFT END COVER		WT-131-1391	WT-131-1391	WT-131-1391	WT-131-1391	WT-131-1391
CHECK VALVES		WM-131-1391	WM-131-1391	WM-131-1391	WM-131-1391	WM-131-1391

Bearing Pump Tandem Options:



BEARING RANGE - Quick Reference



	120	125	131	151	176
A SOLID SHAFT GEAR SET					
7/8" KEY SAE B	ADD-131-??		ADD-131-??		
1" KEY SAE BB	AED-131-??		AED-131-??	ATD-151-??	
1 1/4" KEY SAE C				ASD-151-??	AAL-176-??
13 SPLINE 7/8" SAE B	ABD-131-??		ABD-131-??	AVD-151-??	
13 SPLINE 7/8" SHORT SAE B	ABD-131-4-??		ABD-131-4-??	AVD-151-4-??	
14 SPLINE 1 1/4" SAE C				APD-151-??	ANE-176-??
14 SPLINE 1 1/4" SHORT SAE C				APD-151-4-??	
15 SPLINE 1" SAE BB	AAU-131-??		AAU-131-??	AAT-151-??	
**PLEASE CONTACT GPM FOR SPECIALS • SUBSTITUTE ?? WITH CORRECT GEAR SIZE CODE					
B LOOSE GEAR SETS					
STANDARD	BV-131-??	BKA-125-??	BV-131-??	BMA-151-??	BPA-176-??
**ALSO MAKE SERIES 115 = BBA-115-?? • **ALSO MAKE SERIES 137 = BJA-137-?? • SUBSTITUTE ?? WITH CORRECT GEAR SIZE CODE					
C GEAR HOUSINGS					
PUMP	CRD-120-??	CMA-151-??	CRA-131-??	CMA-151-??	CSA-176-??
MOTOR	CRD-120-??	CMA-151-??	CRA-131-??	CMA-151-??	CSA-176-??
PUMP - BI ROTATION					
SUBSTITUTE ?? WITH CORRECT GEAR SIZE CODE					
D SHAFT END COVERS					
4 BOLT ROUND		DCB-125-3			
6 BOLT ROUND	DFD-120	DCB-125	DFB-131		
2 BOLT 3.25" SAE A	DWD-120		DWB-131		
2 BOLT 4" SAE B	DGD-120	DUA-125	DGB-131	DRB-151	
2 BOLT 4" SAE B SHORT	DGD-120-SH				
2 BOLT 5" SAE C		DYA-125		DNB-151	DVB-176
4 BOLT 4" SAE B	DED-120	DTA-125	DEB-131	DHB-151	DSB-176
4 BOLT 5" SAE C		DXA-125	DPB-131	DKB-151	DTB-176
4 BOLT 6" SAE D					DUB-176
2/4 BOLT 4" SAE B	DDB-120			DDB-151	
2/4 BOLT 4" SAE B SHORT				DDB-151-SH	
STEP DOWN			DDC-131/131		DPB-176/131
PAD MOUNT PUMP		DSA-125		DMB-151	
4 BOLT 2.75"	DCD-120				
E PORT END COVERS					
STANDARD	EXD-120	EZA-151	EXA-131	EZA-151	EYA-176
PORTED 4 PORT			EXA-131-4	EZA-151-4	
BI-ROTATION				EG-151-BI	
STEP DOWN STD			EDC-131-24	EPB-151/131	EPB-176/131
F BEARING CARRIERS					
STANDARD	FVD-120	FKB-125	FVA-131	FTA-151	FZA-176
STANDARD WITH NPT DRAIN			FVA-131-11	FTA-151-11	FZA-176-11
G THRUST PLATES					
PUMP	GAA-131	GY-151	GAA-131	GY-151	GBA-176
DRY VALVE BI ROTATION					GBA-176-BI
DRY VALVE UNI ROTATION					GBA-176-UNI
I CONNECTING SHAFTS					
STANDARD	IZA-131	ITA-125	IZA-131	IYA-151	IAB-176
STEP DOWN			IAF-131/131	IAD-151/131	IAH-176/131
J LOOSE SHAFTS					
3/4" KEY	JAV-131		JAV-131		
7/8" KEY	JAK-131	JWB-125	JAK-131	JAB-151	
7/8" KEY WITH EXT THREAD	JAX-131		JAX-131		
1" KEY	JED-131	JHB-125	JED-131	JAE-151	
1 1/8" KEY	JMT-131		JMT-131	JGT-151	
1 1/4" KEY	JAW-131	JRB-125	JAW-131	JAF-151	JAL-176
1 1/4" KEY LONG					JAL-176-L
1 3/4" KEY				JUC-176	
CAT 910 TAPER W/RUFF	JCA-131		JCA-131		
6 SPLINE 1"	JAM-131	JHC-125	JAM-131	JAN-151	
6 SPLINE 1 1/4"				JSX-151	
9 SPLINE 5/8"	JAI-131		JAI-131		
11 SPLINE	JDV-131		JDV-131		
13 SPLINE 7/8"	JAJ-131	JVB-125	JAJ-131	JAD-151	
13 SPLINE 7/8" SHORT	JAJ-131-SH		JAJ-131-SH		
13 SPLINE 1 3/4"					JAS-176-SHD
14 SPLINE 1 1/4"	JAH-131	JPB-125	JAH-131	JAG-151	JAS-176
14 SPLINE 1 1/4" LONG				JAG-151-L	JAS-176-L
15 SPLINE 1"	JAU-131		JAU-131	JAT-151	



Manufactured in South Africa

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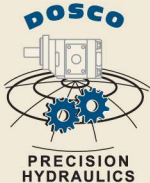
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Manufactured in South Africa



Member of the Fluid Power Institute