

HYDRAULICS INTERNATIONAL Quality Hydraulics Products

MOTOR & PUMP SPECIALIST

PRICELIST 2023



 **M+S HYDRAULIC**

**Exclusive distributor for
Australia & New Zealand**



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hydraulic components

 **caproni**

 **DOFLUID®**

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Hydraulics International are a division of Hydraulics Network Pty Ltd, a privately owned independent wholesaler of hydraulic components.

As a Hydraulics International customer, you have access to a complete range of quality hydraulic components, backed with technical expertise and extensive stock holdings.

See www.hydraulicsnetwork.com.au for all your hydraulic requirements.

The advertisement banner for Hydraulics Network features a black header with the company name in white. Below the header, on the left, is a grid of ten circular images showing various hydraulic components like pumps, valves, and cylinders. On the right, contact information for Melbourne and Brisbane offices is provided, including addresses, email, and phone numbers. The bottom of the banner shows a photograph of a modern building with the text 'AUSTRALIAN-OWNED INDEPENDENT HYDRAULICS WHOLESALER' and the website URL overlaid. A large red arrow graphic points upwards from the bottom towards the center of the banner.

Hydraulics Network

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AUSTRALIAN-OWNED INDEPENDENT
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GLOBAL MANUFACTURING PARTNERS



M+S HYDRAULIC is a leading European manufacturer of hydraulic motors, steering units, brakes and accessories. Founded in 1963, M+S has distributors in over 30 countries worldwide and is one of the largest manufacturers of orbital motors in the world. Hydraulics International is proud to be M+S Hydraulic's exclusive Australasian partner.



Caproni is a leading European manufacturer of gear pumps. Originally founded in 1926 as an aeroplane manufacturer, Caproni later started pump manufacture in 1961. Caproni now supplies over 31 countries worldwide. Hydraulics International is proud to be Caproni's exclusive Australasian partner.



Badestnost is a leading European manufacturer of mobile valves. Founded in 1902 as a metalworking enterprise, Badestnost later specialised in the manufacture of hydraulic components from 1978. More than 80% of Badestnost products are exported and supplied to all continents around the world. Hydraulics International is proud to be Badestnost's exclusive Australasian partner.



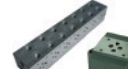
DOFLUID is a premium Taiwanese manufacturer of directional control valves. Dofluid was founded in 1976 and is the largest manufacturer of directional control valves in Taiwan. Dofluid manufactures all of their own parts including coils, and are considered one of the world's highest quality valve manufacturers. Hydraulics International is proud to be Dofluid's exclusive Australian partner.

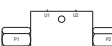
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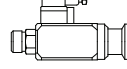
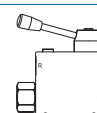
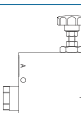
ORBITAL MOTORS	MM	MLHM	MP / MLHP	HP	PL	MR / MLHR	HR
							
	GEROTOR	GEROTOR	GEROTOR	GEROTOR	GEROTOR	GEROLER	GEROLER
	PAGE 2	PAGE 3	PAGE 4/5	PAGE 6	PAGE 7	PAGE 8/9	PAGE 10
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	GEROLER	GEROLER	GEROLER	H.DUTY	DISC VALVE	DISC VALVE	DISC VALVE
	PAGE 11	PAGE 12	PAGE 13	PAGE 14	PAGE 15/16	PAGE 17	PAGE 18/19
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	DISC VALVE	DISC VALVE	DIRECT MOUNTED VALVE	STATIC TORQUE BRAKE	STEERING ORBITALS	STEERING ACCESSORIES	MOTOR SEALS
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	PAGE 28	PAGE 29	PAGE 30	PAGE 31	PAGE 32	PAGE 33	PAGE 34
GEAR PUMPS	GERMAN	3/4 11T	PRIORITY	MULTIPLE	MULTIPLE	MULTIPLE	MULTIPLE
							
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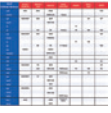
PICTURE INDEX

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HIGH TORQUE MOTORS

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STEERING UNITS AND ACCESSORIES

M+S SEAL KITS

HIGH TORQUE MOTORS Made in Europe



MM Series Replaces Danfoss OMM Series

Standard Pricing : **Shaft** 16mm Straight Keyed, **Mount** 3 Bolt, **Ports** 3/8" BSPP, **Case** 1/8" BSPP

Part Number & Pricing		Specifications							
Part Number	List Price	CC/Rev	Rotor Width L1 - mm	Speed Max Cont RPM	Flow Max Cont LPM	Pressure Drop Max Cont Bar	Inlet Pressure Max Cont Bar	Torque Max Cont Nm	Weight Kg
MM 8 C	\$ 420	8.2	3.5	1950	16	105	140	11	2
MM 12.5 C	\$ 430	12.5	5.5	1550	20	105	140	16	2.1
MM 20 C	\$ 440	19.9	8.5	1000	20	105	140	25	2.2
MM 32 C	\$ 450	31.6	13.5	630	20	105	140	40	2.3
MM 40 C	\$ 530	39.8	17	500	20	82.5	140	41	2.4
MM 50 C	\$ 590	50	21	400	20	70	140	45	2.6

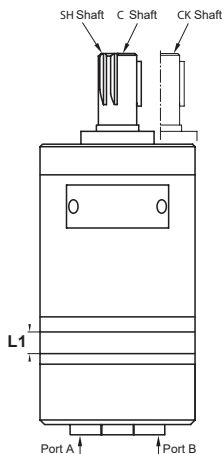
* To assure best motor life, fill with fluid and run at moderate load for 5-10 minutes.

Motor Seals to suit:
MM Series, Page 26

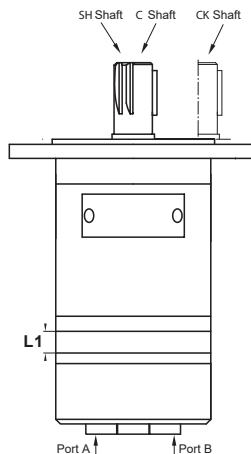
Code Builder:

MM			OPTION			MOUNTING A			PORTS			DISPLACEMENT 8 - 50 CC			SHAFTS			MOUNTING B			SERIES		
OPTION			MOUNTING A			PORTS			SHAFTS			MOUNTING B											
Code	Description	Add	Code	Description	Add	Code	Description	Add	Code	Description	Add	Code	Description	Add									
D	Dual Cross Line Relief	\$ 70	-	Round 3 Bolt 31.5mm Spigot	-	-	Rear Ports 3/8" BSPP	-	C	16mm Keyed	-	- 5	Round 5 Bolt M6	\$ 40									
F	Oval 2 Bolt 63mm Spigot	\$ 30	S	Side Ports 3/8" BSPP	\$ 20	CK	14mm Keyed	-	RSL5	Speed Sensor	\$380												
						SH	16.5mm 9T Splined	\$ 20															

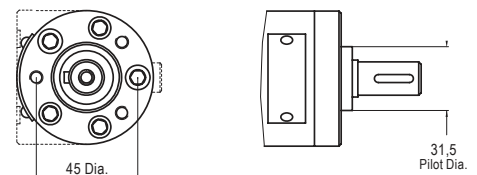
Standard Mount - MM Series



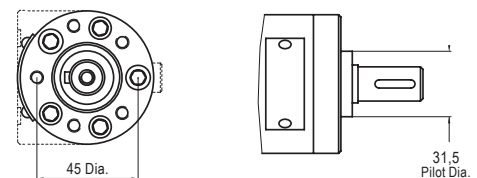
F Mount - MMF Series



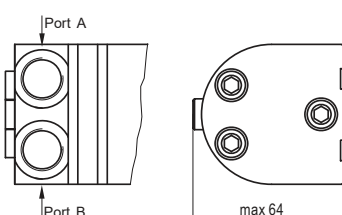
Standard Mount, M6 3 Bolt



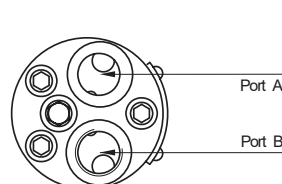
-5 - Mount, M6 5 Bolt



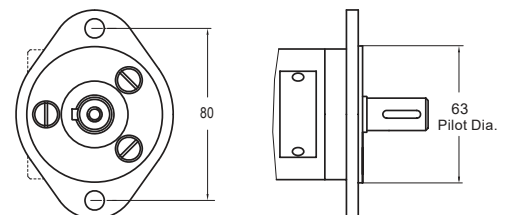
S - Side Ports



Standard - Rear Ports



F - Mount, 2 Bolt



MLHM Series Replaces Eaton J Series



Standard Pricing : **Shaft** 5/8" Straight Keyed, **Mount** 3 Bolt, **Ports** 9/16" UNF, **Case** 3/8" UNF

Part Number & Pricing		Specifications							
Part Number	List Price	CC/Rev	Rotor Width L1 - mm	Speed Max Cont RPM	Flow Max Cont LPM	Pressure Drop Max Cont Bar	Inlet Pressure Max Cont Bar	Torque Max Cont Nm	Weight Kg
MLHM 8 C7	\$ 430	8.2	3.5	1950	16	105	140	12	2
MLHM 12.5 C7	\$ 440	12.5	5.5	1550	20	105	140	17	2.1
MLHM 20 C7	\$ 450	19.9	8.5	1000	20	105	140	26	2.2
MLHM 32 C7	\$ 460	31.6	13.5	630	20	105	140	42	2.3
MLHM 40 C7	\$ 540	39.8	17	500	20	82.5	140	42	2.4
MLHM 50 C7	\$ 600	50	21	400	20	70	140	45	2.6

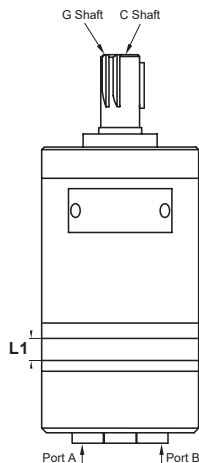
* To assure best motor life, fill with fluid and run at moderate load for 5-10 minutes.

Motor Seals to suit:
MLHM Series, Page 26

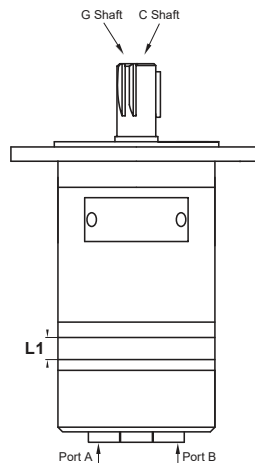
Code Builder:

MLHM	MOUNTING A	DISPLACEMENT 8 - 50 CC	SHAFTS	PORTS	OPTION	MOUNTING B	SERIES				
MOUNTING A			SHAFTS		PORTS		OPTION		MOUNTING B		
Code	Description	Add	Code	Description	Add	Code	Description	Add	Code	Description	Add
-	Round 3 Bolt 31.5mm Spigot	-	C	5/8" Straight Keyed	-	7	Rear Ports 9/16" UNF	-	D	Dual Cross Line Relief	\$ 70
F	Oval 2 Bolt 63mm Spigot	\$ 30	G	16.5mm 9T Splined	\$ 20	4	Side Ports 9/16" UNF	\$ 20	- 5	Round 5 Bolt 1/4" UNF	\$ 40

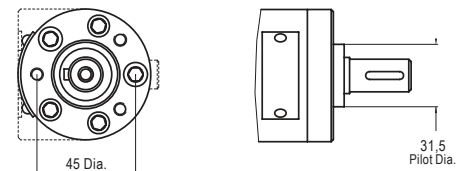
3 Bolt Mount - MLHM Series



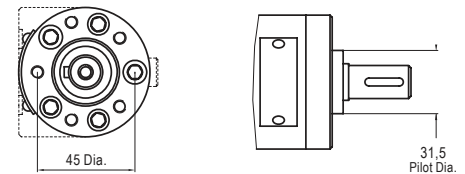
F Mount - MLHMF Series



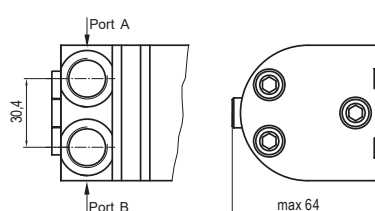
Standard Mount, 1/4" UNF 3 Bolt



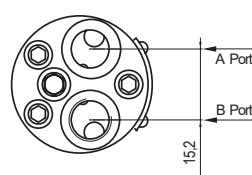
- 5 - Mount, 1/4" UNF 5 Bolt



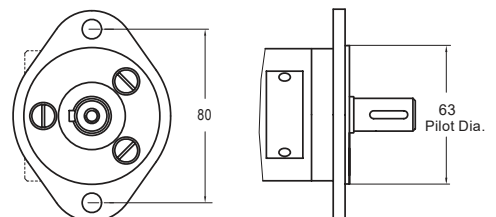
4 - Side Ports



7 - Rear Ports



F - Mount, 2 Bolt



HIGH TORQUE MOTORS Made in Europe

MP Series Replaces Danfoss OMP Series



Standard Pricing : **Shaft** 1" Straight Keyed, **Mount** SAE A 2 Bolt, **Ports** 1/2" BSPP, **Case** 1/4" BSPP

Part Number & Pricing		Specifications							
Part Number	List Price	CC/Rev	Rotor Width L1 - mm	Speed Max Cont RPM	Flow Max Cont LPM	Pressure Drop Max Cont Bar	Inlet Pressure Max Cont Bar	Torque Max Cont Nm	Weight Kg
MPN 25 COD	\$ 550	28.4	5.2	1408	40	100	175	33	6.1
MPN 32 COD	\$ 550	34.5	6.3	1450	50	100	175	43	6.1
MPN 40 COD	\$ 550	40.5	7.4	1480	60	120	175	62	6.2
MPN 50 COD	\$ 550	49.5	6.67	1210	60	140	175	94	6.3
MPN 60 COD	\$ 550	59.5	8.25	983	60	140	175	110	6.3
MP 80 COD	\$ 550	79.2	10.67	755	60	140	175	151	6.4
MP 100 COD	\$ 550	99	13.33	605	60	140	175	193	6.6
MP 125 COD	\$ 570	123.8	16.67	486	60	140	175	237	6.7
MP 160 COD	\$ 590	158.4	21.33	378	60	140	175	313	6.9
MP 200 COD	\$ 610	198	26.67	303	60	140	175	366	7.1
MP 250 COD	\$ 620	247.5	33.33	242	60	110	175	380	7.3
MP 315 COD	\$ 660	316.8	42.67	190	60	90	175	380	7.6
MP 400 COD	\$ 680	396	53.33	150	60	70	175	360	8.2
MP 500 COD	\$ 820	495	66.63	120	60	60	140	390	9.4
MP 630 COD	\$ 960	623.6	84	95	60	55	140	440	10.1

* 25-60cc have Needle Bearings as standard

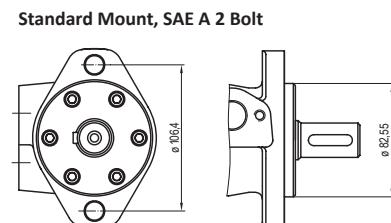
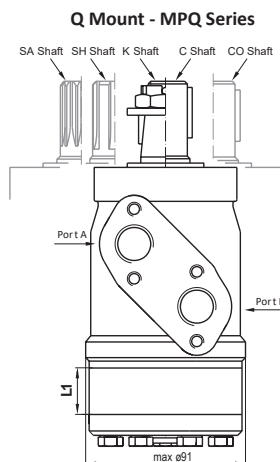
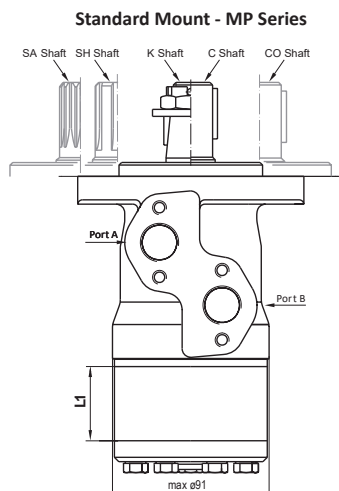
* To assure best motor life, fill with fluid and run at moderate load for 5-10 minutes.

Motor Seals to suit:
MP Series, Page 26

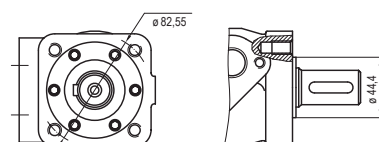
Code Builder:

MP	MOUNTING	OPTIONS	DISPLACEMENT 25 - 630 CC	SHAFTS	SHAFT SEALS & SPEED SENSORS	SERIES					
MOUNTING			OPTIONS			SHAFTS			SHAFT SEALS		
Code	Description	Add	Code	Description	Add	Code	Description	Add	Code	Description	Add
-	SAE A 2 Bolt 82.5mm Spigot	-	N	Needle Bearings	\$ 50	CO	1" Straight Keyed	-	D	# 150 Bar	-
Q	Square 4 Bolt 44.4mm Spigot	\$ 40	E	Rear Ports ½" BSPP	\$ 40	C	25mm Straight Keyed	-	U	# 200 Bar	\$ 30
F	Magneto 4 Bolt 82.5mm Spigot	\$ 20	SG	Seal Guard	\$ 60	CB	32mm Straight Keyed	\$ 50	V	# 150 Bar Viton	\$ 100
W	Wheel Mount 80mm Spigot	\$100				SH	1" 6B Splined	\$ 20	RSL5	Speed Sensor	\$380
WF	Sweepers Special Mount	\$140				HB	1.1/4" 14T Splined	\$ 60			
						K	28.56mm 1:10 Tapered	\$ 30			
						KB	35mm 1:10 Tapered	\$ 40			

Refer to specifications for performance data.



Q - Mount, M10 4 Bolt



MLHP Series US Standard Features, Original MacDon Motors



Standard Pricing : **Shaft** 1" Straight Keyed, **Mount** SAE A 2 Bolt, **Ports** 7/8" UNF, **Case** 7/16" UNF

Part Number & Pricing		Specifications							
Part Number	List Price	CC/Rev	Rotor Width L1 - mm	Speed Max Cont RPM	Flow Max Cont LPM	Pressure Drop Max Cont Bar	Inlet Pressure Max Cont Bar	Torque Max Cont Nm	Weight Kg
MLHP 25 CN4UE	\$ 580	28.4	5.2	1600	40	100	175	33	6.1
MLHP 32 CN4UE	\$ 580	34.5	6.3	1560	50	100	175	43	6.1
MLHP 40 CN4UE	\$ 580	40.5	7.4	1500	60	120	175	62	6.2
MLHP 50 CN4UE	\$ 580	49.5	6.67	1210	60	140	175	94	6.3
MLHP 60 CN4UE	\$ 580	59.5	8.25	983	60	140	175	110	6.3
MLHP 80 C4UE	\$ 580	79.2	10.67	755	60	140	175	151	6.4
MLHP 100 C4UE	\$ 580	99	13.33	605	60	140	175	193	6.6
MLHP 125 C4UE	\$ 600	123.8	16.67	486	60	140	175	237	6.7
MLHP 160 C4UE	\$ 620	158.4	21.33	378	60	140	175	313	6.9
MLHP 200 C4UE	\$ 640	198	26.67	303	60	140	175	366	7.1
MLHP 250 C4UE	\$ 650	247.5	33.33	242	60	110	175	380	7.3
MLHP 315 C4UE	\$ 680	316.8	42.67	190	60	90	175	380	7.6
MLHP 400 C4UE	\$ 710	396	53.33	150	60	70	175	360	8.2
MLHP 500 C4UE	\$ 850	495	66.63	120	60	60	140	390	9.4
MLHP 630 C4UE	\$ 990	623.6	84	95	60	55	140	440	10.1

* 25-60 cc have Needle Bearings as standard

* To assure best motor life, fill with fluid and run at moderate load for 5-10 minutes.

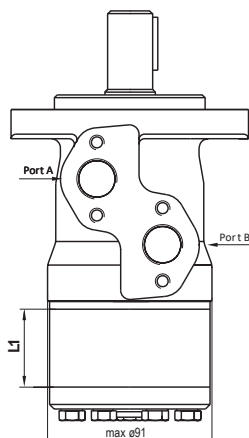
Motor Seals to suit:
MLHP Series, Page 26

Code Builder:

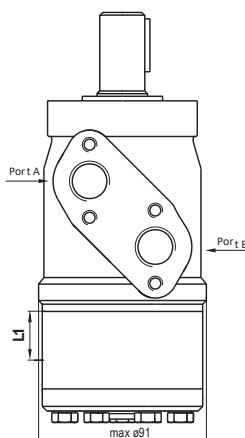
MLHP			MOUNTING			DISPLACEMENT 25 - 630 CC			SHAFTS			OPTIONS			PORTS			SHAFT SEALS			MacDon HARVESTERS			SERIES		
MOUNTING			SHAFTS			OPTIONS			PORTS			SHAFT SEALS			MacDon											
Code	Description	Add	Code	Description	Add	Code	Description	Add	Code	Description	Add	Code	Description	Add	Code	Description	Add	Code	Add							
-	SAE A 2 Bolt 82.5mm Spigot	-	C	1" Straight Keyed	-	N	Needle Bearings	\$ 50	4	Side Ports 7/8" UNF	-	U	# 200 Bar	-	P-04D	\$ 160										
Q	Square 4 Bolt 44.4mm Spigot	\$ 40	H	1" Straight Cross Hole 10.3mm Hole	\$ 20				2	Side Ports 1/2" BSPP	\$ 40	V	# 150 Bar Viton	100	P-08D	\$ 160										
			G	1" 6B Splined	\$ 20																					
# Refer to specifications for performance data.																										

Refer to specifications
for performance data.

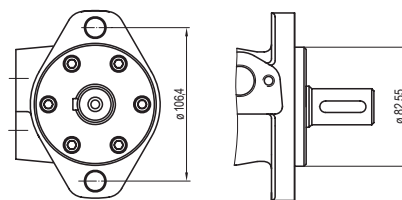
Standard Mount - MLHP Series



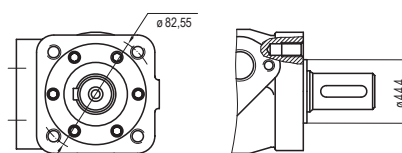
Q Mount - MLHPQ Series



Standard Mount, SAE A 2 Bolt



Q - Mount, 3/8 UNC 4 Bolt



Q(04D) - MACDON Mount, 3/8 UNC 2 Bolt (P-04D)



HIGH TORQUE MOTORS Made in Europe

HP Series Replaces Eaton H Series



Standard Pricing : **Shaft** 1" Woodruff Keyed, **Mount** SAE A 2 Bolt, **Ports** 7/8" UNF, **Case** 7/16" UNF

Part Number & Pricing		Specifications							
Part Number	List Price	CC/Rev	Rotor Width L1 - mm	Speed Max Cont RPM	Flow Max Cont LPM	Pressure Drop Max Cont Bar	Inlet Pressure Max Cont Bar	Torque Max Cont Nm	Weight Kg
HP 25 C4UE	\$ 530	28.4	5.2	1200	30	100	140	33	5.5
HP 32 C4UE	\$ 530	34.5	6.3	1250	40	125	140	52	5.5
HP 40 C4UE	\$ 530	40.5	7.4	1000	40	125	140	65	5.6
HP 50 C4UE	\$ 530	49.5	6.67	1212	45	125	140	81	5.7
HP 60 C4UE	\$ 540	59.5	8.25	983	50	125	140	89	5.7
HP 80 C4UE	\$ 540	79.2	10.67	758	60	125	140	129	5.8
HP 100 C4UE	\$ 550	99	13.33	606	60	125	140	162	6
HP 125 C4UE	\$ 570	123.8	16.67	485	60	125	140	202	6.1
HP 160 C4UE	\$ 590	158.4	21.33	379	60	115	140	238	6.3
HP 200 C4UE	\$ 610	198	26.67	303	60	105	140	271	6.5
HP 250 C4UE	\$ 630	247.5	33.33	242	60	100	140	323	6.7
HP 315 C4UE	\$ 650	316.8	42.67	189	60	90	140	372	7
HP 400 C4UE	\$ 670	396	53.33	152	60	80	140	414	7.5

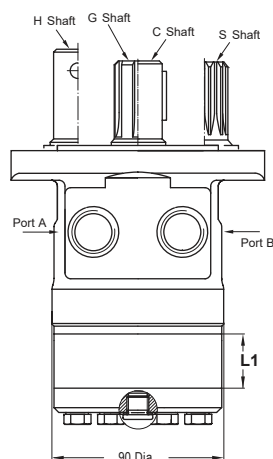
* To assure best motor life, fill with fluid and run at moderate load for 5-10 minutes.

Motor Seals to suit:
HP Series, Page 26

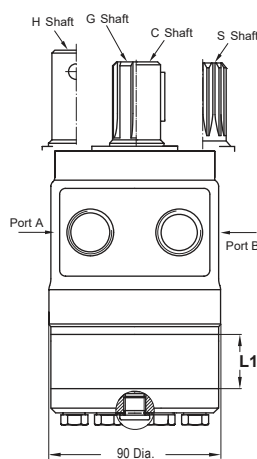
Code Builder:

HP			MOUNTING			OPTIONS			DISPLACEMENT 25 - 400 CC			SHAFTS			PORTS			SHAFT SEALS			SERIES			
MOUNTING			OPTIONS			SHAFTS			PORTS			SHAFT SEALS												
Code	Description	Add	Code	Description	Add	Code	Description	Add	Code	Description	Add	Code	Description	Add	Code	Description	Add	# Refer to specifications for performance data						
-	SAE A 2 Bolt 82.5mm Spigot	-	N	Needle Bearings	\$ 50	C	1" Straight Woodruff Keyed	-	4	Side Ports 7/8" UNF	-	U	# 200 Bar	-										
Q	Square 4 Bolt 44.4mm Spigot	\$ 40				CW	25mm Staight Keyed	-	1	Manifold Ports	\$ 30	V	# 150 Bar Viton	\$ 100										
						G	1" 6B Splined	\$ 20																
						S	7/8" 13T Splined	\$ 20																
						H	1" Straight Keyed 8mm Dia Cross Hole	\$ 20																
						HPE	1" Straight Keyed 10.3mm Dia Cross Hole	\$ 50																
						TE	1" 1:8 Tapered	\$ 40																

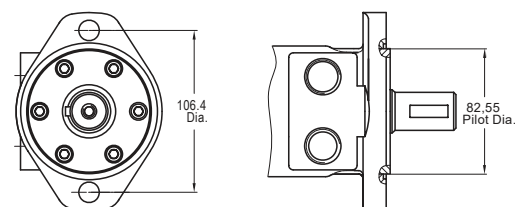
Standard Mount - HP Series



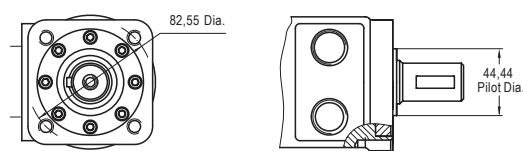
Q Mount - HPQ Series



Standard Mount, SAE A 2 Bolt



Q - Mount, 3/8 UNC 4 Bolt



PL Series Similar to Parker TE, Medium Duty Bearing Motor



Standard Pricing : **Shaft** 1" Straight Keyed, **Mount** SAE A 2 Bolt, **Ports** 1/2" BSPP, **Case** 1/4" BSPP

Part Number & Pricing		Specifications							
Part Number	List Price	CC/Rev	Rotor Width L1 - mm	Speed Max Cont RPM	Flow Max Cont LPM	Pressure Drop Max Cont Bar	Inlet Pressure Max Cont Bar	Torque Max Cont Nm	Weight Kg
PLA 40 COU	\$ 680	40	7.4	1500	60	120	175	62	7
PLA 50 COU	\$ 680	49.5	6.67	1210	60	140	175	94	7
PLA 80 COU	\$ 690	79.2	10.67	755	60	140	175	151	7.1
PLA 100 COU	\$ 700	99	13.33	605	60	140	175	193	7.2
PLA 125 COU	\$ 730	123.8	16.67	485	60	140	175	237	7.4
PLA 160 COU	\$ 740	158.4	21.33	378	60	140	175	313	7.6
PLA 200 COU	\$ 770	198	26.67	303	60	140	175	366	7.8
PLA 250 COU	\$ 800	247.5	33.33	242	60	110	175	380	8
PLA 315 COU	\$ 830	316.8	42.67	190	60	90	175	380	8.3
PLA 400 COU	\$ 850	396	53.33	150	60	70	175	360	8.6

* To assure best motor life, fill with fluid and run at moderate load for 5-10 minutes.

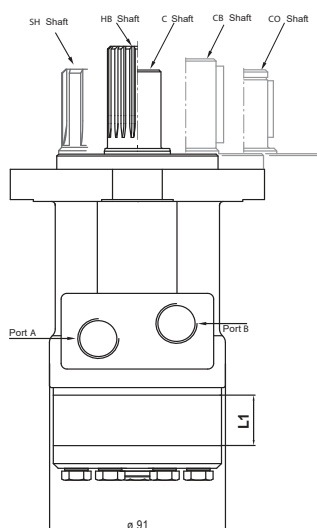
Motor Seals to suit
PL Series, Page 26

Code Builder:

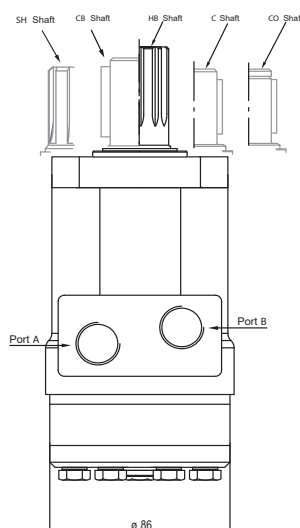
PL	MOUNTING	DISPLACEMENT 40 - 400 CC	SHAFTS	PORTS	SHAFT SEALS	SERIES					
	MOUNTING		SHAFTS	PORTS	SHAFT SEALS						
Code	Description	Add	Code	Description	Add	Code	Description	Add			
A	SAE A 2 Bolt 82.5mm Spigot	-	CO	1" Straight Keyed	-	-	1/2" BSPP	-	U	# 200 Bar	-
Q	Square 4 Bolt 44.4mm Spigot	\$ 40	C	25mm Straight Keyed	-	4	7/8" UNF	\$ 20	V	# 100 Bar Viton	\$ 130
F	Magneto 4 Bolt 82.5mm Spigot	\$ 40	CB	32mm Straight Keyed	\$ 50						
-	SAE A 4 Bolt 82.5mm Spigot	-	SH	1" 6B Splined	\$ 20						
			HB	1.1/4" 14T Splined	\$ 60						

Refer to specifications for performance data.

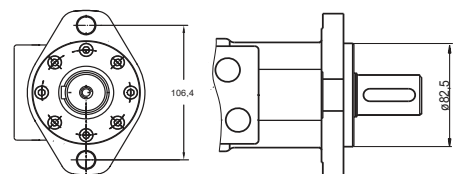
Standard Mount - PL Series



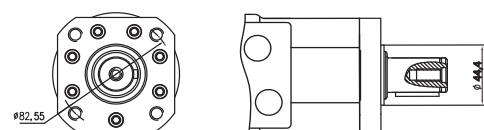
Q Mount - PLQ Series



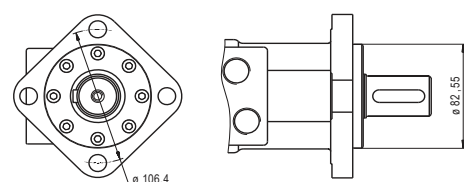
A - Mount, SAE A 2 Bolt



Q - Mount, 4 Bolt



Standard Mount, SAE A 4 Bolt



MR Series Replaces Danfoss OMR Series



Standard Pricing : **Shaft** 1" Straight Keyed, **Mount** SAE A 2 Bolt, **Ports** 1/2" BSPP, **Case** 1/4" BSPP

Part Number & Pricing		Specifications							
Part Number	List Price	CC/Rev	Rotor Width L1 - mm	Speed Max Cont RPM	Flow Max Cont LPM	Pressure Drop Max Cont Bar	Inlet Pressure Max Cont Bar	Torque Max Cont Nm	Weight Kg
MR 50 COD	\$ 630	51.5	9	775	40	140	175	100	7.2
MR 80 COD	\$ 650	80.3	14	750	60	175	175	200	7.4
MR 100 COD	\$ 670	99.8	17.4	600	60	175	175	240	7.6
MR 125 COD	\$ 690	125.7	21.8	475	60	175	175	300	7.9
MR 160 COD	\$ 710	159.6	27.8	375	60	175	175	390	8.3
MR 200 COD	\$ 740	199.8	34.8	300	60	140	175	385	8.6
MR 250 COD	\$ 760	250.1	43.5	240	60	110	175	390	9
MR 315 COD	\$ 790	315.7	54.8	190	60	85	175	360	9.5
MR 400 COD	\$ 820	397	69.4	150	60	65	175	380	10.3

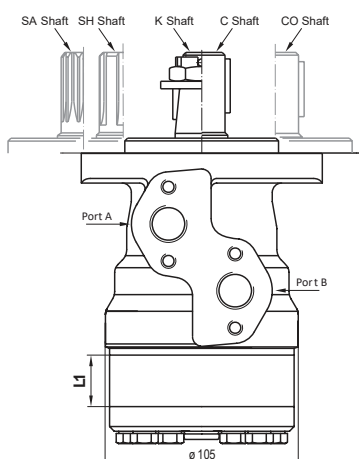
* To assure best motor life, fill with fluid and run at moderate load for 5-10 minutes.

Motor Seals to suit
MR Series, Page 26

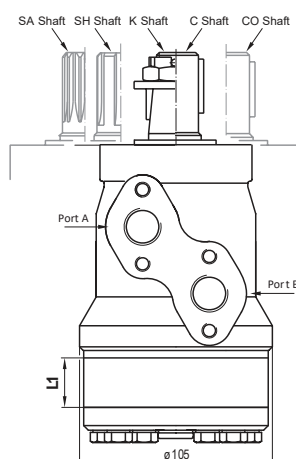
Code Builder:

MR	MOUNTING	OPTIONS	DISPLACEMENT 50 - 400 CC	SHAFTS	SHAFT SEALS	SPEED SENSORS	SERIES							
MOUNTING		OPTIONS		SHAFTS		SHAFT SEALS		SPEED SENSORS						
Code	Description	Add	Code	Description	Add	Code	Description	Add	Code	Description	Add			
-	SAE A 2 Bolt 82.5mm Spigot	-	N	Needle Bearings	\$ 50	CO	1" Straight Keyed	-	D	# 150 Bar	-	RS	Speed Sensor	\$ 370
Q	Square 4 Bolt 44.4mm Spigot	\$ 40	E	Rear Ports ½" BSPP	\$ 40	C	25mm Straight Keyed	-	U	# 200 Bar	\$ 30	RS-L3.5	Speed Sensor 3.5 M Lead	\$ 400
F	Magneto 4 Bolt 82.5mm Spigot	\$ 20				CB	32mm Straight Keyed	\$ 50	V	# 150 Bar Viton	\$ 100	T	Tacho Connection	\$ 270
						SH	1" 6B Splined	\$ 20	# Refer to specifications for performance data.			B/MR	Brake	\$ 390
						HB	1.1/4" 14T Splined	\$ 60						
						K	28.56mm 1:10 Tapered	\$ 30						
						KB	35mm 1:10 Tapered	\$ 40						

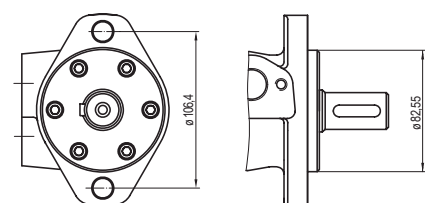
Standard Mount - MR Series



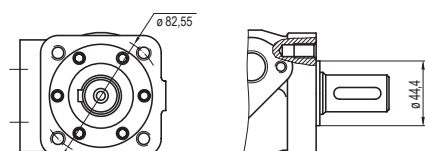
Q Mount - MRQ Series



Standard Mount, SAE A 2 Bolt



Q - Mount, M10 4 Bolt



MLHR Series Similar to the MR Series, US Standard Features



Standard Pricing : **Shaft** 1" Straight Keyed, **Mount** SAE A 2 Bolt, **Ports** 7/8" UNF, **Case** 7/16" UNF

Part Number & Pricing		Specifications							
Part Number	List Price	CC/Rev	Rotor Width L1 - mm	Speed Max Cont RPM	Flow Max Cont LPM	Pressure Drop Max Cont Bar	Inlet Pressure Max Cont Bar	Torque Max Cont Nm	Weight Kg
MLHR 50 C4U	\$ 660	51.5	9	775	40	140	175	100	7.2
MLHR 80 C4U	\$ 680	80.3	14	750	60	175	175	200	7.4
MLHR 100 C4U	\$ 700	99.8	17.4	600	60	175	175	240	7.6
MLHR 125 C4U	\$ 720	125.7	21.8	475	60	175	175	300	7.9
MLHR 160 C4U	\$ 740	159.6	27.8	375	60	175	175	390	8.3
MLHR 200 C4U	\$ 770	199.8	34.8	300	60	140	175	385	8.6
MLHR 250 C4U	\$ 790	250.1	43.5	240	60	110	175	390	9
MLHR 315 C4U	\$ 820	315.7	54.8	190	60	90	175	390	9.5
MLHR 400 C4U	\$ 850	397	69.4	150	60	70	175	380	10.3

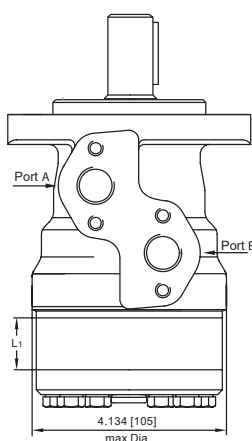
* To assure best motor life, fill with fluid and run at moderate load for 5-10 minutes.

Motor Seals to suit
MLHR Series, Page 26

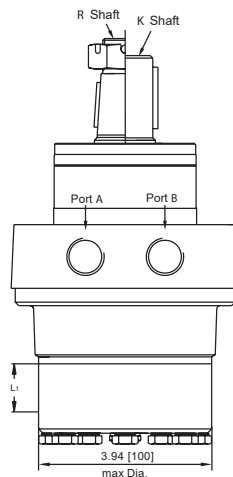
Code Builder:

MLHR			MOUNTING			DISPLACEMENT 50 - 400 CC			SHAFTS			OPTIONS			PORTS			SHAFT SEALS			SERIES		
MOUNTING			SHAFTS			OPTIONS			PORTS			SHAFT SEALS											
Code	Description	Add	Code	Description	Add	Code	Description	Add	Code	Description	Add	Code	Description	Add									
-	SAE A 2 Bolt 82.5mm Spigot	-	C	1" Straight Keyed	-	N	Needle Bearings	\$ 50	4	7/8" UNF	-	D	# 150 Bar	-									
Q	Square 4 Bolt 44.4mm Spigot	\$ 40	K	1.1/4" Straight Keyed	\$ 50				2	1/2" BSPP	-	U	# 200 Bar	-									
F	Magneto 4 Bolt 82.5mm Spigot	\$ 20	H	1" Straight Cross Hole 10.5mm Hole	\$ 20							UK	# 200 Bar Shaft Seal + Check Valves	\$ 70									
W	Wheel 4 Bolt 82.5mm Spigot	\$100	R	1.1/4" 1:8 Tapered	\$ 40							# Refer to specifications for performance data.											

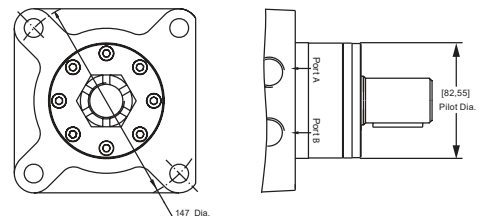
F Mount - MLHRF Series



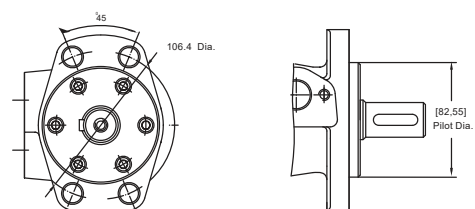
W Mount - MLHRW Series



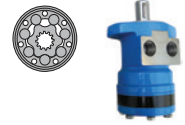
W - Wheel Mount, 4 Bolt



F - Magneto Mount, Oval 4 Bolt



HR Series Replaces Eaton S Series



Standard Pricing : **Shaft** 1" Woodruff Keyed, **Mount** SAE A 2 Bolt, **Ports** 7/8" UNF, **Case** 7/16" UNF

Part Number & Pricing		Specifications							
Part Number	List Price	CC/Rev	Rotor Width L1 - mm	Speed Max Cont RPM	Flow Max Cont LPM	Pressure Drop Max Cont Bar	Inlet Pressure Max Cont Bar	Torque Max Cont Nm	Weight Kg
HR 50 C4UE	\$ 640	51.5	9	777	40	140	140	98	6.6
HR 80 C4UE	\$ 660	80.3	14	747	60	140	140	152	6.7
HR 100 C4UE	\$ 670	99.8	17.4	601	60	140	140	189	7
HR 125 C4UE	\$ 700	122.5	17.4	490	60	140	140	232	7.1
HR 160 C4UE	\$ 710	153.6	21.8	391	60	140	140	291	7.3
HR 200 C4UE	\$ 740	195.8	27.8	306	60	125	140	331	7.8
HR 250 C4UE	\$ 770	245	34.8	245	60	105	140	348	8.2
HR 315 C4UE	\$ 790	306	43.5	196	60	100	140	414	8.9
HR 400 C4UE	\$ 820	386	54.8	155	60	85	140	444	9.6

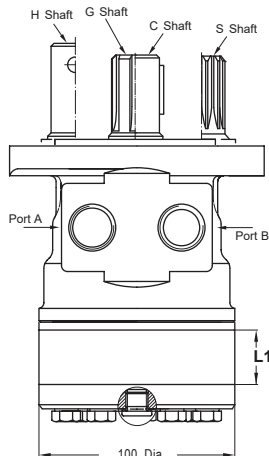
* To assure best motor life, fill with fluid and run at moderate load for 5-10 minutes.

Motor Seals to suit
HR Series, Page 26

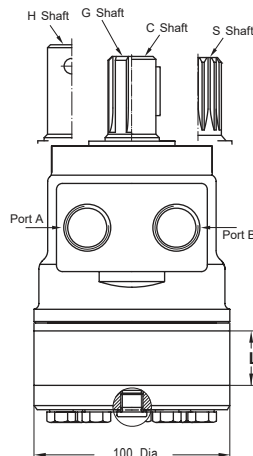
Code Builder:

HR			MOUNTING			OPTIONS			DISPLACEMENT 50 - 400 CC			SHAFTS			PORTS			SHAFT SEALS			SERIES		
MOUNTING			OPTIONS			SHAFTS			PORTS			SHAFT SEALS											
Code	Description	Add	Code	Description	Add	Code	Description	Add	Code	Description	Add	Code	Description	Add	Code	Description	Add	Code	Description	Add			
-	SAE A 2 Bolt 82.5mm Spigot	-	N	Needle Bearings	\$ 50	C	1" Straight Woodruff Keyed	-	4	Side Ports 7/8" UNF	-	U	# 200 Bar	-	# Refer to specifications for performance data.								
Q	Square 4 Bolt 44.4mm Spigot	\$ 40				CW	25mm Staight Keyed	-	1	Manifold Ports	\$ 30	V	# 150 Bar Viton	\$ 100									
						G	1" SAE 6B Splined	\$ 20															
						S	7/8" 13T Splined	\$ 20															
						H	1" Straight Keyed 8mm Dia Cross Hole	\$ 20															
						HPE	1" Straight Keyed 10.3mm Dia Cross Hole	\$ 50															
						TE	1" 1:8 Tapered	\$ 40															

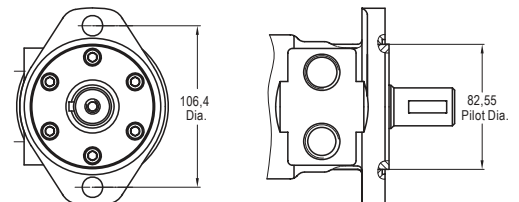
Standard Mount - HR Series



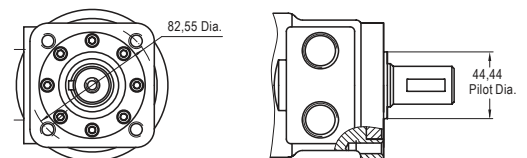
Q Mount - HRQ Series



Standard Mount, SAE A 2 Bolt



Q - Mount, 3/8 UNC 4 Bolt



HIGH TORQUE MOTORS Made in Europe

RL Series Replaces Parker TE Series, Medium Duty Bearing Motor



Standard Pricing : **Shaft** 1" Straight Keyed, **Mount** SAE A 2 Bolt, **Ports** 1/2" BSPP, **Case** 1/4" BSPP

Part Number & Pricing		Specifications							
Part Number	List Price	CC/Rev	Rotor Width L1 - mm	Speed Max Cont RPM	Flow Max Cont LPM	Pressure Drop Max Cont Bar	Inlet Pressure Max Cont Bar	Torque Max Cont Nm	Weight Kg
RLA 50 COU	\$ 810	51.5	9	775	40	140	175	100	8.5
RLA 80 COU	\$ 820	80.3	14	750	60	175	175	200	8.6
RLA 100 COU	\$ 830	99.8	17.4	600	60	175	175	240	8.9
RLA 125 COU	\$ 860	125.7	21.8	475	60	175	175	300	9
RLA 160 COU	\$ 880	159.6	27.8	375	60	175	175	390	9.2
RLA 200 COU	\$ 920	199.8	34.8	300	60	175	175	450	9.6
RLA 250 COU	\$ 950	250.1	43.5	240	60	175	175	540	10.1
RLA 315 COU	\$ 980	315.7	54.8	190	60	135	175	550	10.8
RLA 400 COU	\$ 1000	397	69.4	150	60	115	175	610	11.5

* To assure best motor life, fill with fluid and run at moderate load for 5-10 minutes.

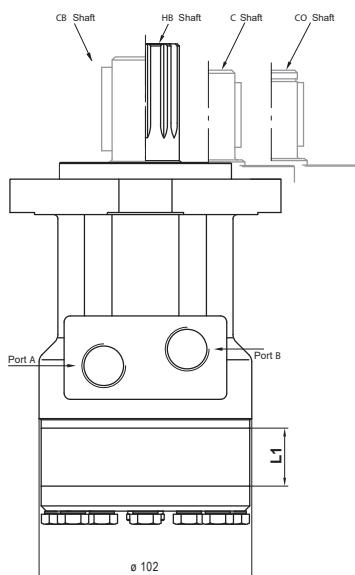
Motor Seals to suit
RL Series, Page 26

Code Builder:

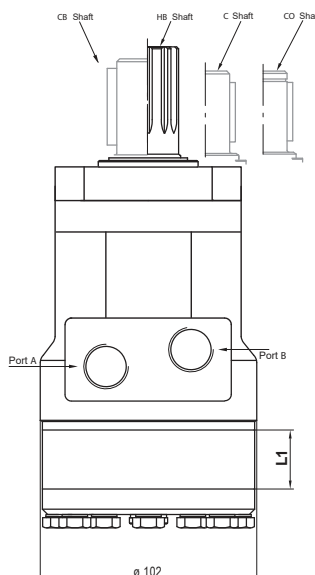
RL	MOUNTING	DISPLACEMENT 50 - 400 CC	SHAFTS	PORTS	SHAFT SEALS	SERIES					
MOUNTING			SHAFTS		PORTS		SHAFT SEALS				
Code	Description	Add	Code	Description	Add	Code	Description	Add	Code	Description	Add
A	SAE A 2 Bolt 82.5mm Spigot	-	CO	1" Straight Keyed	-	-	1/2" BSPP	-	U	# 200 Bar	-
Q	Square 4 Bolt 44.4mm Spigot	\$ 40	C	25mm Straight Keyed	-	4	7/8" UNF	\$ 20	V	# 100 Bar Viton	\$ 130
F	Magneto 4 Bolt 82.5mm Spigot	\$ 40	CB	32mm Straight Keyed	\$ 50	# Refer to specifications for performance data.					
-	SAE A 4 Bolt 82.5mm Spigot	-	SH	1" 6B Splined	\$ 20						
			HB	1.1/4" 14T Splined	\$ 60						
			KB	35mm 1:10 Tapered	\$60						

Refer to specifications for
performance data.

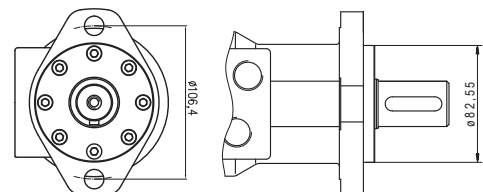
Standard Mount - RL Series



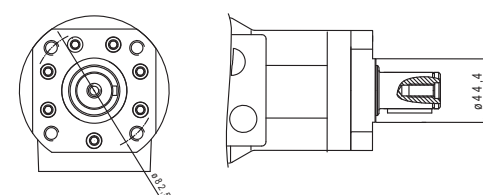
Q Mount - RLQ Series



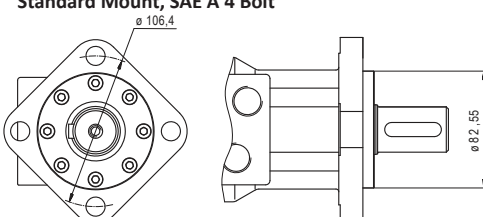
A - Mount, SAE A 2 Bolt



Q - Mount, M10 4 Bolt



Standard Mount, SAE A 4 Bolt



HIGH TORQUE MOTORS Made in Europe



MH Series Replaces Danfoss OMH Series

Standard Pricing : **Shaft** 32mm Straight Keyed, **Mount** Magneto 4 Bolt, **Ports** 1/2" BSPP, **Case** 1/4" BSPP

Part Number & Pricing		Specifications							
Part Number	List Price	CC/Rev	Rotor Width L1 - mm	Speed Max Cont RPM	Flow Max Cont LPM	Pressure Drop Max Cont Bar	Inlet Pressure Max Cont Bar	Torque Max Cont Nm	Weight Kg
MH 200 CU	\$ 970	201.3	27.8	370	75	175	200	510	10.5
MH 250 CU	\$ 990	252	34.8	295	75	175	200	610	11
MH 315 CU	\$ 1020	314.9	43.5	235	75	175	200	740	11.5
MH 400 CU	\$ 1050	396.8	54.8	185	75	155	200	840	12.3
MH 500 CU	\$ 1170	502.4	69.4	150	75	125	200	820	13

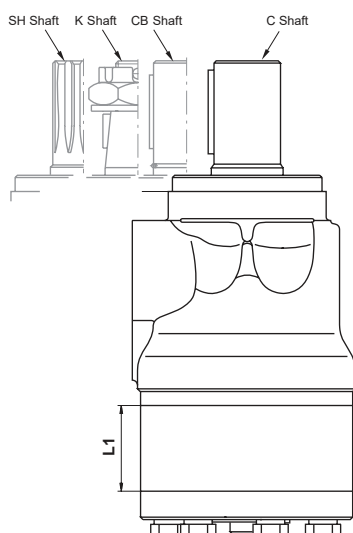
* To assure best motor life, fill with fluid and run at moderate load for 5-10 minutes.

Motor Seals to suit
MH Series, Page 26

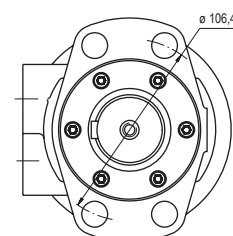
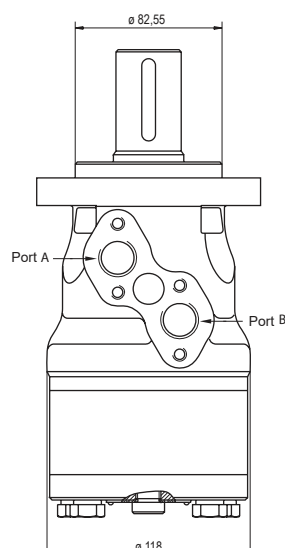
Code Builder:

MH			MOUNTING			DISPLACEMENT 200 - 500 CC			SHAFTS			PORTS			SHAFT SEALS			SERIES		
MOUNTING			SHAFTS			PORTS			SHAFT SEALS											
Code	Description	Add	Code	Description	Add	Code	Description	Add	Code	Description	Add	Code	Description	Add						
-	Magneto 4 Bolt 82.5mm Spigot	-	C	32mm Straight Keyed	-	-	Side Ports - 1/2" BSPP	-	-	# 100 Bar	-									
			CB	35mm Straight Keyed	\$ 30	*	Side Ports - 7/8" UNF *Contact Office	-	U	# 150 Bar	-									
			*	1.1/4" Straight Keyed *Contact Office	-															
			SH	1.1/4" 14T Splined	\$ 30															
			K	35mm 1:10 Tapered	\$ 30															

Refer to specifications for
performance data.



Standard Mount - MH Series



HIGH TORQUE MOTORS Made in Europe

RW Series Replaces Danfoss OMEW Series



Standard Pricing : **Shaft** 35mm 1:10 Taper, **Mount** Wheel 4 Bolt, **Ports** 1/2" BSPP, **Case** 1/4" BSPP

Part Number & Pricing		Specifications							
Part Number	List Price	CC/Rev	Rotor Width L1 - mm	Speed Max Cont RPM	Flow Max Cont LPM	Pressure Drop Max Cont Bar	Inlet Pressure Max Cont Bar	Torque Max Cont Nm	Weight Kg
RW 50 KBU	\$ 870	51.5	9	775	40	140	175	100	9.6
RW 80 KBU	\$ 890	80.3	14	750	60	175	175	200	9.7
RW 100 KBU	\$ 910	99.8	17.4	600	60	175	175	240	9.8
RW 125 KBU	\$ 930	125.7	21.8	475	60	175	175	300	10
RW 160 KBU	\$ 950	159.6	27.8	375	60	175	175	390	10.3
RW 200 KBU	\$ 980	199.8	34.8	300	60	175	175	450	10.8
RW 250 KBU	\$ 1000	250.1	43.5	300	75	175	175	540	11.3
RW 315 KBU	\$ 1020	315.7	54.8	240	75	135	175	550	11.8
RW 400 KBU	\$ 1060	397	69.4	190	75	110	175	610	12.5

* To assure best motor life, fill with fluid and run at moderate load for 5-10 minutes.

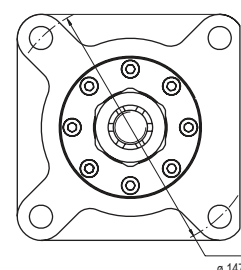
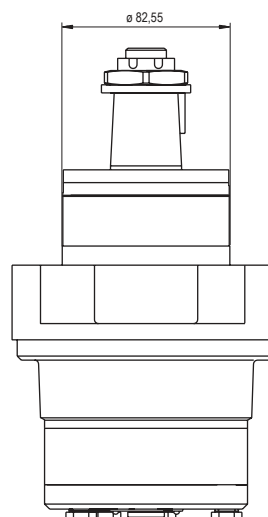
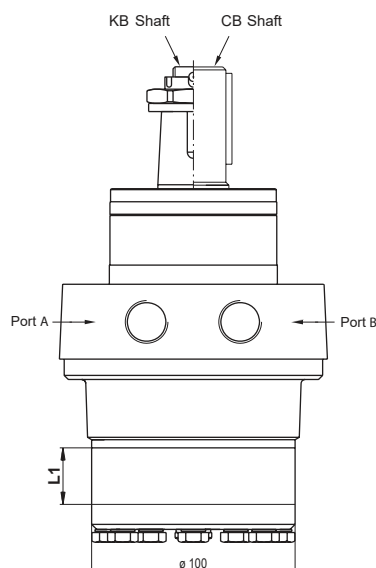
Motor Seals to suit
RW Series, Page 26

Code Builder:

RW			DISPLACEMENT 50 - 400 CC			SHAFTS			PORTS			SHAFT SEALS			SERIES		
SHAFTS			PORTS			SHAFT SEALS											
Code	Description	Add	Code	Description	Add	Code	Description	Add									
KB	35mm 1:10 Tapered	-	-	Side Ports - 1/2" BSPP	-	U	# 200 Bar	-									
CB	32mm Straight Keyed	-	-	For UNF Ports go to Page 9 MLHRW Model.	-	UK	# 200 Bar Shaft Seal + Check Valves.	\$ 70									

Refer to Specifications for performance data.

Standard Mount - RW Series



HIGH TORQUE MOTORS Made in Europe



HW Series Similar to White RE & Parker TG

Standard Pricing : **Shaft** 1.1/4" 1:8 Tapered, **Mount** Wheel 4 Bolt, **Ports** 7/8" UNF, **Case** 7/16" UNF

Part Number & Pricing		Specifications							
Part Number	List Price	CC/Rev	Rotor Width L1 - mm	Speed Max Cont RPM	Flow Max Cont LPM	Pressure Drop Max Cont Bar	Inlet Pressure Max Cont Bar	Torque Max Cont Nm	Weight Kg
HWS 125 R4	\$ 1160	126	17.4	357	45	205	210	350	14.5
HWS 160 R4	\$ 1170	157.8	21.8	380	60	205	210	440	15
HWS 200 R4	\$ 1180	201.3	27.8	373	75	205	210	550	15.5
HWS 235 R4	\$ 1200	235.3	32.5	319	75	205	210	645	16
HWS 250 R4	\$ 1210	252	34.8	298	75	205	210	690	16
HWS 300 R4	\$ 1240	300	41.4	250	75	205	210	810	16.5
HWS 315 R4	\$ 1260	314.9	43.5	238	75	205	210	850	16.5
HWS 350 R4	\$ 1270	347.8	48	216	75	205	210	940	17
HWS 370 R4	\$ 1280	369.2	51	203	75	205	210	960	17
HWS 400 R4	\$ 1320	396.8	54.8	189	75	185	210	960	17.5
HWS 470 R4	\$ 1410	470.6	65	159	75	150	210	920	18.3
HWS 500 R4	\$ 1450	502.4	69.4	149	75	140	210	910	18.6
HWS 535 R4	\$ 1480	535	74.1	140	75	130	210	900	19
HWS 550 R4	\$ 1510	550	76	136	75	125	210	890	19.1

* To assure best motor life, fill with fluid and run at moderate load for 5-10 minutes.

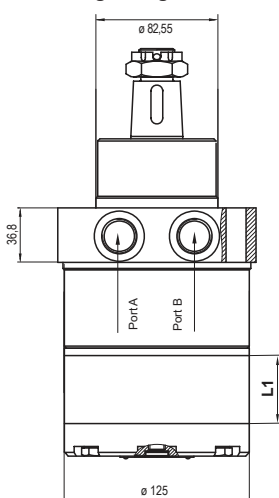
Motor Seals to suit
HW Series, Page 26

Code Builder:

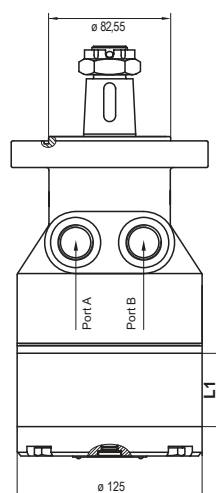
HW			MOUNTING			DISPLACEMENT 125 - 550 CC			SHAFTS			PORTS			SHAFT SEAL			SERIES		
MOUNTING			SHAFTS			PORTS			SHAFT SEAL											
Code	Description	Add	Code	Description	Add	Code	Description	Add	Code	Description	Add	Code	Description	Add						
S	Wheel Mount 82.55mm Spigot	-	CO	25mm Straight Keyed	-	4	Side Ports 7/8" UNF	-	V	# 150 Bar Viton	-									
F	Magneto 6 Bolt 82.55mm Spigot	-	CO1	1" Straight Keyed	-															
			SH	1" 6B Splined	\$ 20															
			R	1.1/4" 1:8 Tapered	-															
			RG	1.3/8" 1:8 Tapered	\$ 70															
			T	1.1/2" 1:8 Tapered	\$ 20															
			L	1.1/4" 14T Splined	\$ 30															
			K	1.1/4" Straight Keyed	-															
			M	32mm Straight Keyed	-															

Refer to specifications for performance data.

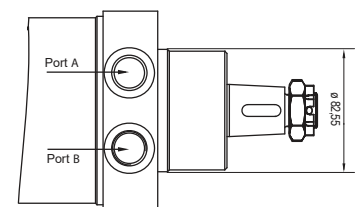
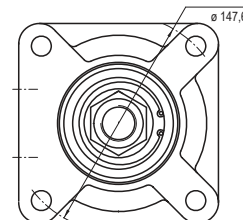
Wheel Mount - HWS Series
Dingo Design Mount



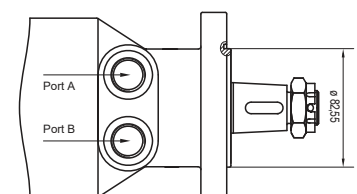
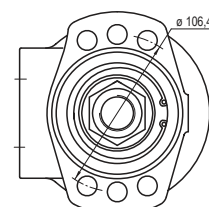
Magneto Mount - HWF Series



S - Wheel Mount, 4 Bolt



F - Magneto Mount, Oval 6 Bolt



HIGH TORQUE MOTORS Made in Europe



MS Series Replaces Danfoss OMS Series

Standard Pricing : **Shaft** 1.1/4" Straight Keyed, **Mount** SAE A 4 Bolt, **Ports** 1/2" BSPP **Case** 1/4" BSPP

Part Number & Pricing		Specifications							
Part Number	List Price	CC/Rev	Rotor Width L1 - mm	Speed Max Cont RPM	Flow Max Cont LPM	Pressure Drop Max Cont Bar	Inlet Pressure Max Cont Bar	Torque Max Cont Nm	Weight Kg
MS 80 COU	\$ 1070	80.5	14	810	65	210	230	240	10.4
MS 100 COU	\$ 1080	100	17.4	750	75	210	230	305	10.6
MS 125 COU	\$ 1110	125.7	21.8	600	75	210	230	375	10.9
MS 160 COU	\$ 1150	159.7	27.8	470	75	210	230	490	11.3
MSY 200 COU	\$ 1160	200	34.8	375	75	210	230	610	11.7
MSY 250 COU	\$ 1190	250	43.5	300	75	200	230	720	12.2
MSY 315 COU	\$ 1270	314.9	54.8	240	75	200	230	825	12.9
MSY 400 COU	\$ 1350	397	69.4	190	75	160	230	865	13.8
MSY 475 COU	\$ 1750	474.6	82.6	160	75	130	230	850	14.9
MS 525 COU	\$ 1790	522.7	74.5	145	75	115	230	850	15.1
MS 565 COU	\$ 1830	564.9	80.2	130	75	105	230	850	15.5

* To assure best motor life, fill with fluid and run at moderate load for 5-10 minutes.

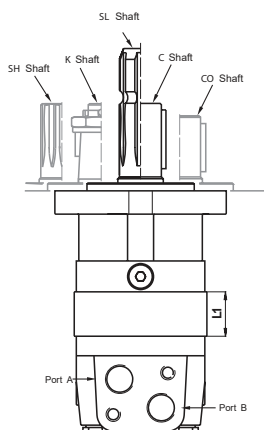
Motor Seals to suit
MS Series, Page 26

Code Builder:

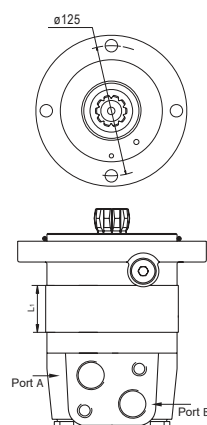
MS			Y Used in 200 - 475cc			MOUNTING			DISPLACEMENT 80 - 565 CC			SHAFTS			SHAFT SEAL			SPEED SENSORS			SERIES		
MOUNTING						SHAFTS						SHAFT SEAL						SPEED SENSORS					
Code		Description		Add		Code		Description		Add		Code		Description		Add		Code		Description		Add	
-	SAE A 4 Bolt, 82.5mm Spigot		-		CO	1.1/4" Straight Keyed		-		U	# 150 Bar		-		RS	NPN/PNP Output		\$ 370					
A	SAE A 2 Bolt, 82.5mm Spigot		-		C	32mm Straight Keyed		-		# Refer to specifications for performance data.						RS-L3.5	NPN/PNP 3.5 M Lead		\$ 400				
Q	Square 4 Bolt, 82.5mm Spigot		\$ 40		SH	1.1/4" 14T Splined		\$ 30															
F	Magneto 4 Bolt, 82.5mm Spigot		\$ 60		SL	1.3/8" 6T Splined PTO		\$ 60															
W	Wheel Mount, 125mm Spigot		\$ 60		K	35mm 1:10 Tapered		\$ 40															
S	Short Motor, 100mm Spigot		Minus \$ 160																				

For Short Motors minus \$160 off list price.

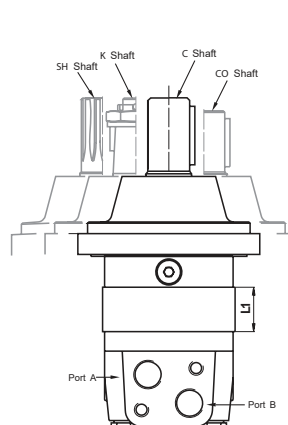
Standard Mount - MS Series



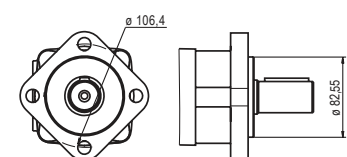
S Short Motor - MSS Series



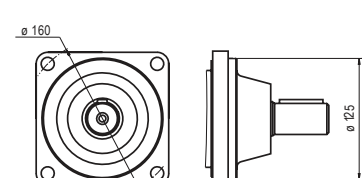
W Wheel Mount - MSW Series



Standard Mount, SAE A 4 Bolt



W - Wheel Mount, 4 Bolt





MLHS Series Replaces Eaton 2000 Series

Standard Pricing : **Shaft** 1.1/4" Straight Keyed, **Mount** SAE A 4 Bolt, **Ports** 7/8" UNF, **Case** 7/16" UNF

Part Number & Pricing		Specifications							
Part Number	List Price	CC/Rev	Rotor Width L1 - mm	Speed Max Cont RPM	Flow Max Cont LPM	Pressure Drop Max Cont Bar	Inlet Pressure Max Cont Bar	Torque Max Cont Nm	Weight Kg
MLHS 80 C4U	\$ 1070	80.5	14	810	65	210	230	240	10.4
MLHS 100 C4U	\$ 1080	100	17.4	750	75	210	230	305	10.6
MLHS 125 C4U	\$ 1110	125.7	21.8	600	75	210	230	375	10.9
MLHS 160 C4U	\$ 1150	159.7	27.8	470	75	210	230	490	11.3
MLHSY 200 C4U	\$ 1160	200	34.8	375	75	210	230	610	11.7
MLHSY 250 C4U	\$ 1190	250	43.5	300	75	200	230	720	12.2
MLHSY 315 C4U	\$ 1270	314.9	54.8	240	75	200	230	825	12.9
MLHSY 400 C4U	\$ 1350	397	69.4	190	75	160	230	865	13.8
MLHSY 475 C4U	\$ 1750	474.6	82.6	160	75	130	230	850	14.9
MLHS 525 C4U	\$ 1790	522.7	74.5	145	75	115	230	850	15.1
MLHS 565 C4U	\$ 1830	564.9	80.2	130	75	105	230	850	15.5

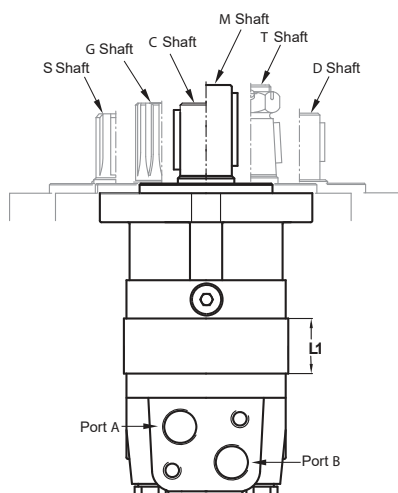
* To assure best motor life, fill with fluid and run at moderate load for 5-10 minutes.

Motor Seals to suit
MLHS Series, Page 26

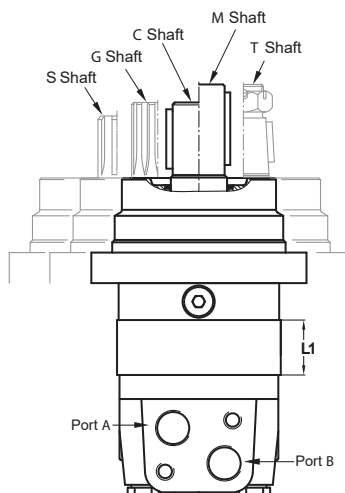
Code Builder:

MLHS	Y Used in 200-475cc	MOUNTING	DISPLACEMENT 80 - 565 CC	SHAFTS	PORTS	SHAFT SEAL	SPEED SENSORS	SERIES						
MOUNTING			SHAFTS			PORTS			SHAFT SEAL			SPEED SENSORS		
Code	Description	Add	Code	Description	Add	Code	Description	Add	Code	Description	Add	Code	Description	Add
-	SAE A 4 Bolt 82.5mm Spigot	-	C	1.1/4" Straight Keyed	-	4	Side Ports 7/8" UNF	-	U	# 150 Bar	-	RS	NPN/PNP Output	\$ 370
A	SAE A 2 Bolt 82.5mm Spigot	-	D	1" Straight Keyed	-	2	Side Ports 1/2" BSPP	-	# Refer to specifications for performance data.			RS-L3.5	NPN/PNP 3.5 M Lead	\$ 400
F	Magneto 4 Bolt 82.5mm Spigot	\$ 60	CA	25mm Straight Keyed										
B	SAE B 2 Bolt 101.6mm Spigot	\$ 60	M	32mm Straight Keyed	-									
E	Wheel Mnt 107.95mm Spigot	\$ 60	SR	7/8" 13T Splined	\$ 40									
			S	1" 6B Splined	\$ 30									
			G	1.1/4" 14T Splined	\$ 50									
			T	1.1/4" 1:8 Tapered	\$ 50									
			H02D	1.1/4 Straight Keyed 10.3mm Cross Hole	\$ 130									
A Mount, SAE A 2 Bolt														
# 106														

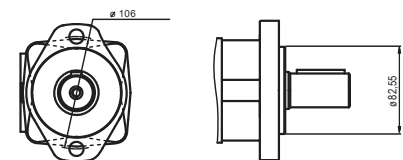
Standard Mount - MLHS Series



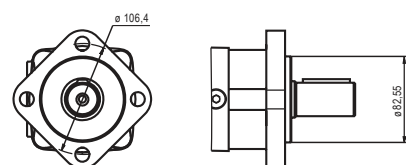
E Wheel Mount - MLHSE Series



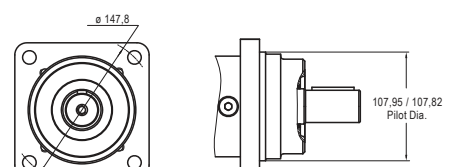
A Mount, SAE A 2 Bolt



Standard Mount, SAE A 4 Bolt



E - Wheel Mount, 4 Bolt





MYZ Series Replaces Eaton 4000 Series

Standard Pricing : **Shaft** 1.1/4" Straight Keyed, **Mount** SAE B 4 Bolt, **Ports** 1.1/6" UNF, **Case** 7/16" UNF

Part Number & Pricing		Specifications							
Part Number	List Price	CC/Rev	Rotor Width L1 - mm	Speed Max Cont RPM	Flow Max Cont LPM	Pressure Drop Max Cont Bar	Power Max Cont Kw	Torque Max Cont Nm	Weight Kg
MYZ4B 160 DR4U	\$ 1880	157.9	21.8	570	90	205	22	425	15
MYZ4B 200 DR4U	\$ 1920	201.3	27.8	445	90	205	22	550	16
MYZ4B 250 DR4U	\$ 2050	252.2	34.8	355	90	205	21	700	17
MYZ4B 315 DR4U	\$ 2100	314.9	43.5	285	90	205	20	850	18
MYZ4B 400 DR4U	\$ 2170	396.8	54.8	225	90	185	17.5	970	19
MYZ4B 470 DR4U	\$ 2290	470.5	65	190	90	140	14	950	20
MYZ4B 550 DR4U	\$ 2410	550	76	160	90	125	12	910	22

* To assure best motor life, fill with fluid and run at moderate load for 5-10 minutes.

Motor Seals to suit
MYZ Series, Page 26

Code Builder:

MYZ

MOUNTING

MOUNTING

Code	Description	Add
4B	SAE B 4Hole 101.6mm Spigot	-
4C	SAE C 4Hole 127mm Spigot	\$ 20

DISPLACEMENT
160 - 550CC

SHAFTS

SHAFTS

Code	Description	Add
DR	1.1/4" Straight Keyed	-
DU	1.1/2" Straight Keyed	\$ 50
SK	1.1/4" 14T Splined	\$ 60
TP	1.1/4" 1:8 Tapered	\$ 50

PORTS

PORTS

Code	Description	Add
4	1.1/16" UNF	-

SHAFT SEAL

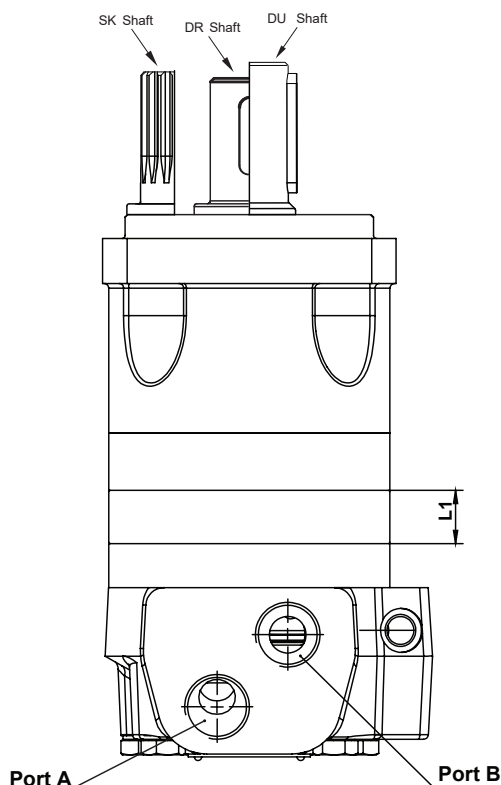
SERIES

SHAFT SEAL

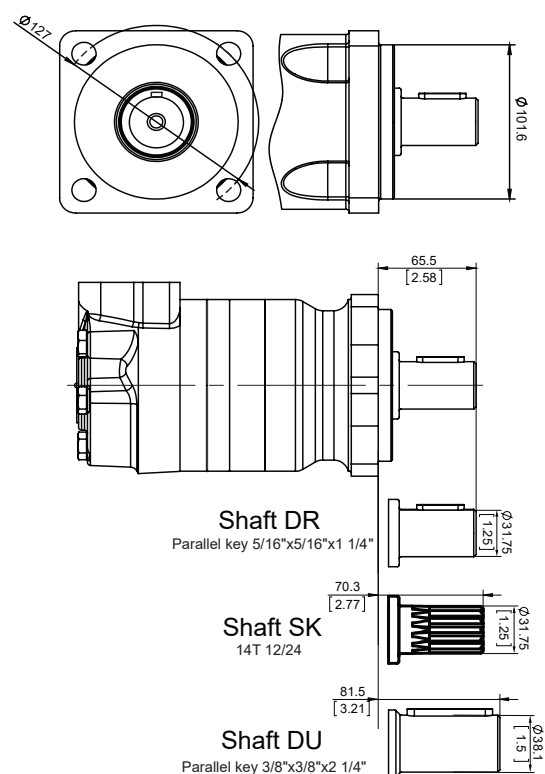
Code	Description	Add
U	# 100 Bar	-

Refer to specifications
for performance data.

Standard Mount - MYZ4B Series



Standard Mount - SAE B 4 Bolt



HIGH TORQUE MOTORS Made in Europe



MT Series Replaces Danfoss OMT Series

Standard Pricing : **Shaft** 40mm Straight Keyed, **Mount** 4 Bolt, **Ports** 3/4" BSPP, **Case** 1/4" BSPP

Part Number & Pricing		Specifications							
Part Number	List Price	CC/Rev	Rotor Width L1 - mm	Speed Max Cont RPM	Flow Max Cont LPM	Pressure Drop Max Cont Bar	Inlet Pressure Max Cont Bar	Torque Max Cont Nm	Weight Kg
MT 160 CU	\$ 2010	161.1	16.5	622	100	200	210	470	21
MT 200 CU	\$ 2060	201.4	21.5	620	125	200	210	590	21.5
MT 250 CU	\$ 2120	251.8	27.8	496	125	200	210	730	22
MT 315 CU	\$ 2200	326.3	37	382	125	200	210	950	23
MT 400 CU	\$ 2270	410.9	47.5	304	125	180	210	1080	24
MT 500 CU	\$ 2390	523.6	61.5	238	125	160	210	1220	25
MT 630 CU	\$ 2780	631.2	57.5	197	125	140	210	1300	25.5
MT 725 CU	\$ 2920	724.3	66.5	172	125	120	210	1270	26

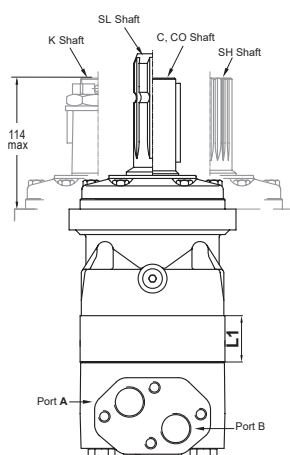
* To assure best motor life, fill with fluid and run at moderate load for 5-10 minutes.

Motor Seals to suit
MT Series, Page 26

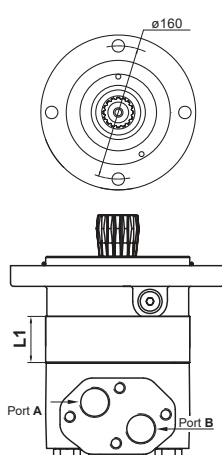
Code Builder:

MT			MOUNTING			DISPLACEMENT 160 - 725 CC			SHAFTS			SHAFT SEALS & SPEED SENSORS			SERIES		
MOUNTING			SHAFTS			SHAFT SEALS & SPEED SENSORS											
Code	Description	Add	Code	Description	Add	Code	Description	Add									
-	Square 4Hole - 125mm Spigot	-	C	40mm Straight Keyed	-	U	# 100 Bar Shaft Seal	-									
W	Wheel Mount - 160mm Spigot	\$ 170	CO	1.1/2" Straight Keyed	-	HD	Reinforced Seals	\$ 240									
S	# Short Motor - 125mm Spigot	Minus \$ 240	SH	1.1/2" 17T Splined	\$ 50	RS	Speed Sensor	\$ 560									
For short motors minus \$240 off list price.			SH-06	1.1/4" 14T Splined	\$ 50	RS-L3.5	Sensor Sensor 3.5 M Lead	\$ 580									
			SL	1.3/8" 6T Splined PTO	\$ 120	T	Tacho Connection	\$ 420									
			K	45mm 1:10 Tapered	\$ 60	# Refer to specifications for performance data.											

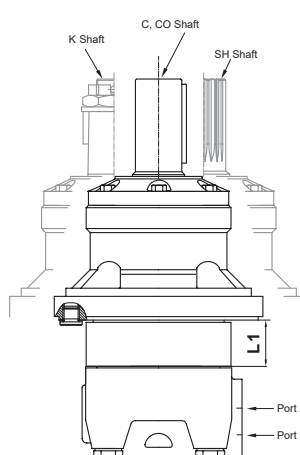
Standard Mount - MT Series



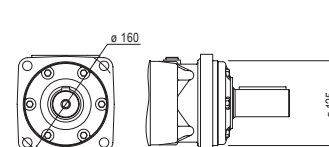
Short Motor- MTS Series



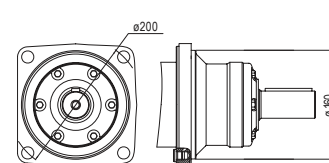
W Wheel Mount - MTW Series



Standard Mount, 4 Bolt



W - Wheel Mount, 4 Bolt





MLHT Series Similar to MT Series, with US Standard Features

Standard Pricing : Shaft 1.1/2" Straight Keyed, Mount SAE C 4 Bolt, Ports 1.1/16" UNF, Case 9/16" UNF

Part Number & Pricing		Specifications							
Part Number	List Price	CC/Rev	Rotor Width L1 - mm	Speed Max Cont RPM	Flow Max Cont LPM	Pressure Drop Max Cont Bar	Inlet Pressure Max Cont Bar	Torque Max Cont Nm	Weight Kg
MLHT 160 C4U	\$ 2010	161.1	16.5	622	100	200	210	470	21
MLHT 200 C4U	\$ 2060	201.4	21.5	620	125	200	210	590	21.5
MLHT 250 C4U	\$ 2120	251.8	27.8	496	125	200	210	730	22
MLHT 315 C4U	\$ 2200	326.3	37	382	125	200	210	950	23
MLHT 400 C4U	\$ 2270	410.9	47.5	304	125	180	210	1080	24
MLHT 500 C4U	\$ 2390	523.6	61.5	238	125	160	210	1220	25
MLHT 630 C4U	\$ 2780	631.2	57.5	197	125	140	210	1300	25.5
MLHT 725 C4U	\$ 2920	724.3	66.5	172	125	120	210	1270	26

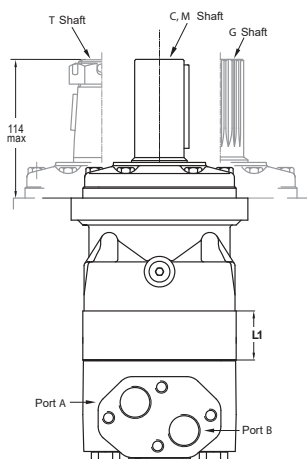
* To assure best motor life, fill with fluid and run at moderate load for 5-10 minutes.

Motor Seals to suit
MLHT Series, Page 26

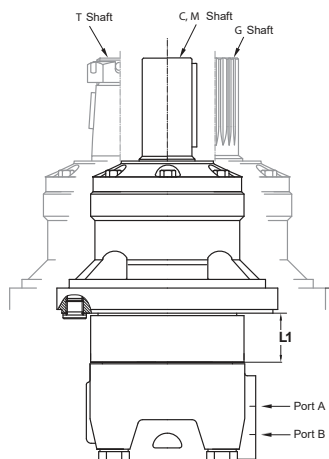
Code Builder:

MLHT			MOUNTING			DISPLACEMENT 160 - 725 CC			SHAFTS			PORTS			SHAFT SEALS			SERIES		
MOUNTING			SHAFTS			PORTS			SHAFT SEALS											
Code	Description	Add	Code	Description	Add	Code	Description	Add	Code	Description	Add	Code	Description	Add	Code	Description	Add			
-	SAE C 4 Bolt 127 mm Spigot	-	C	1.1/2" Straight Keyed	-	4	1.1/16" UNF	-	U	# 100 Bar Shaft Seal	-									
W	Wheel Mount 160mm Spigot	\$ 170	M	40mm Straight Keyed	-							HD	Reinforced Seals	\$ 240						
			G	1.1/2" 17T Splined	\$ 50							# Refer to specifications for performance data.								
			T	45mm 1:8 Tapered	\$ 60															

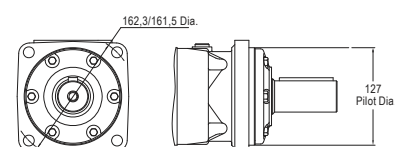
Standard Mount - MLHT Series



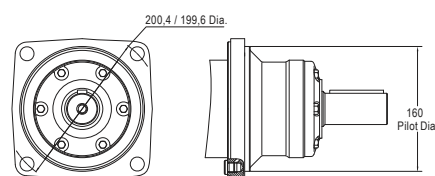
W Wheel Mount - MLHTW Series



Standard Mount, SAE C 4 Bolt



W - Wheel Mount, 4 Bolt



HIGH TORQUE MOTORS Made in Europe



MTM Series Replaces Danfoss TMT Series

Standard Pricing : **Shaft** 40mm Keyed, **Mount** Standard 4 Bolt, **Ports** 3/4" BSPP, **Case** 1/4" BSPP

Part Number & Pricing		Specifications							
Part Number	List Price	CC/Rev	Geroller Width L1 - mm	Speed Max Cont RPM	Flow Max Cont LPM	Pressure Drop Max Cont Bar	Inlet Pressure Max Cont Bar	Torque Max Cont Nm	Weight Kg
MTM 200 CU	\$ 2520	201.4	25	625	125	250	270	720	27.9
MTM 250 CU	\$ 2590	251.8	31.3	500	125	250	270	900	28.3
MTM 315 CU	\$ 2690	326.3	40.5	380	125	250	270	1160	29.1
MTM 400 CU	\$ 2780	410.9	51	305	125	250	270	1470	30
MTM 470 CU	\$ 2870	475	59	260	125	250	270	1710	30.7
MTM 500 CU	\$ 2930	523.6	65	240	125	230	270	1720	31.2
MTM 630 CU	\$ 3400	631.2	61	190	125	200	270	1830	30.7
MTM 725 CU	\$ 3570	724	70	170	125	160	270	1600	32

* To assure best motor life, fill with fluid and run at moderate load for 5-10 minutes.

Motor Seals to suit
MTM Series, Page 26

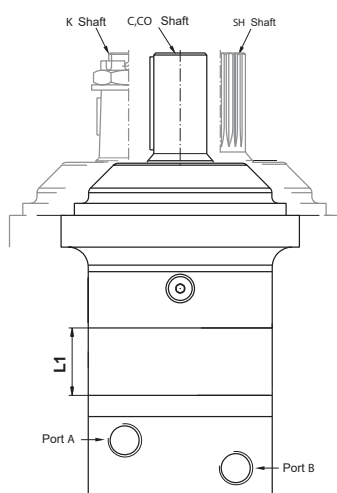
Code Builder:

MTM	MOUNTING	DISPLACEMENT 200 - 725 CC	SHAFTS	SHAFT SEALS	SERIES
MOUNTING		SHAFTS		SHAFT SEALS	
Code	Description	Add	Code	Description	Add
-	Square (4Hole) – 160mm Spigot	-	C	40mm Straight Keyed	-
C	Square (4Hole) – 125mm Spigot	\$ 40	SH	1.1/2" 17T Splined	\$ 50
W	Wheel Mount – 160mm Spigot	\$ 150	K	50mm 1:10 Tapered	\$ 60
V	Very Short Motor – 9 Mounting Bolts	Minus \$ 240			

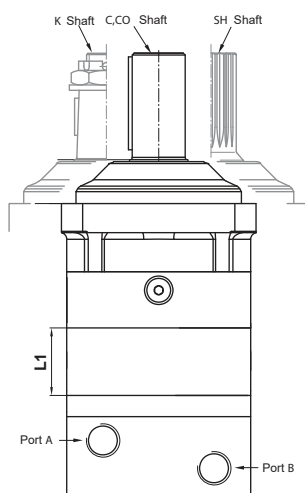
Refer to specifications for performance data.

For short motors minus \$240 list off Standard motor price.

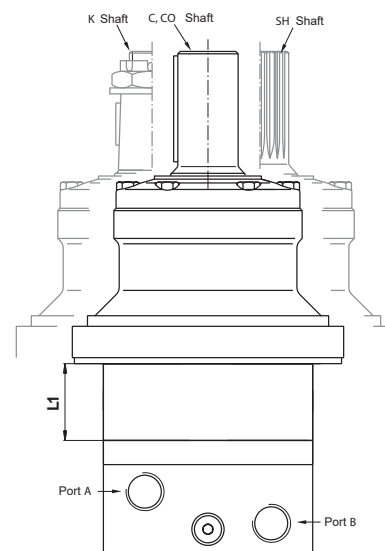
Standard Mount - MTM Series



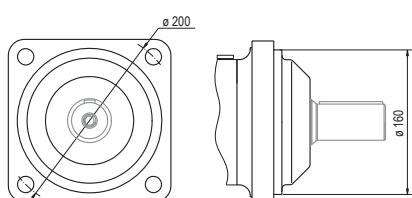
C Mount - MTMC Series



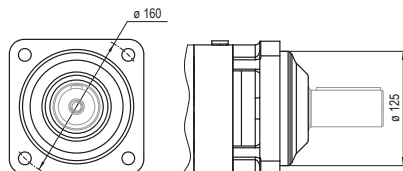
W Wheel Mount - MTMW Series



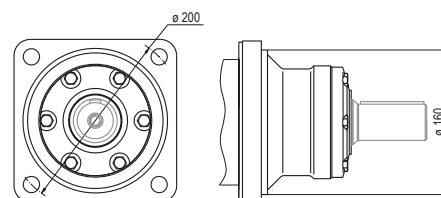
Standard Mount, 4 Bolt



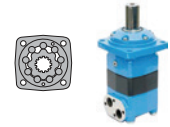
C - Mount, 4 Bolt



W - Wheel Mount, 4 Bolt



HIGH TORQUE MOTORS Made in Europe



MV Series Replaces Danfoss OMV Series

Standard Pricing : **Shaft** 50mm Straight Keyed, **Mount** 4 Bolt, **Ports** 1" BSPP **Case** 1/4" BSPP

Part Number & Pricing		Specifications							
Part Number	List Price	CC/Rev	Rotor Width L1 - mm	Speed Max Cont RPM	Flow Max Cont LPM	Pressure Drop Max Cont Bar	Inlet Pressure Max Cont Bar	Torque Max Cont Nm	Weight Kg
MV 315 CU	\$ 3160	314.5	22	510	160	200	210	920	32.8
MV 400 CU	\$ 3260	400.9	29	500	200	200	210	1180	33.6
MV 500 CU	\$ 3460	499.6	37	400	200	200	210	1460	34.5
MV 630 CU	\$ 3980	629.1	47.5	320	200	180	210	1660	35.9
MV 800 CU	\$ 4180	801.8	61.5	250	200	160	210	1880	37.5

* To assure best motor life, fill with fluid and run at moderate load for 5-10 minutes.

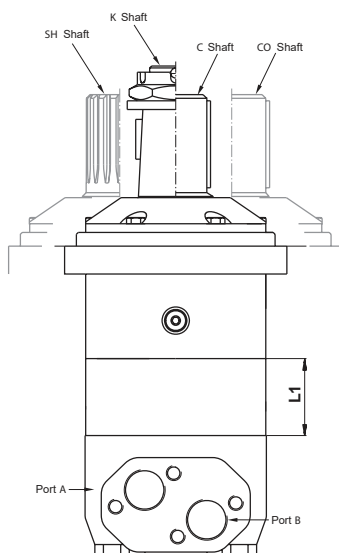
Motor Seals to suit MV Series, Page 26

Code Builder:

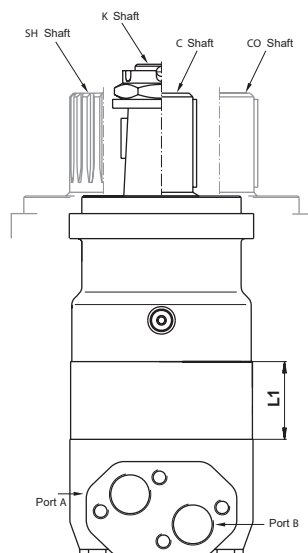
MV	MOUNTING	DISPLACEMENT 315 - 800 CC	SHAFTS	SHAFT SEALS	HD
MOUNTING		SHAFTS		SHAFT SEALS	
Code	Description	Add	Code	Description	Add
-	Square 4 Bolt – 160mm Spigot	-	C	50mm Straight Keyed	-
C	SAE C 4 Bolt – 127mm Spigot	-	CO	2.1/4" Straight Keyed	-
W	Wheel Mount – 180mm Spigot	\$ 380	SH	2.1/8" 16T Splined	\$ 90
S	Short Motor – 140mm Spigot	Minus \$ 590	K	60mm 1:10 Tapered	\$ 120

For short motor minus \$590 off list price.

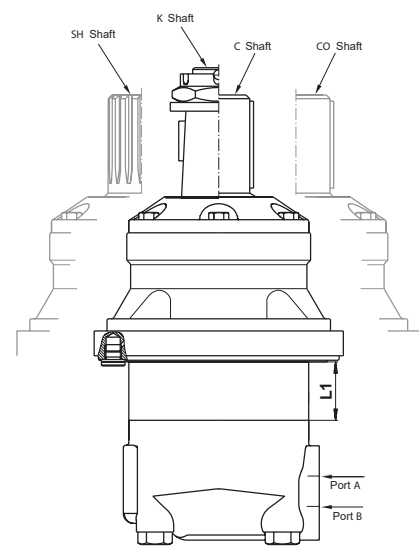
Standard Mount - MV Series



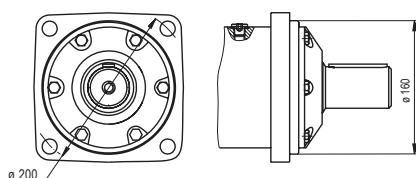
C Mount - MVC Series



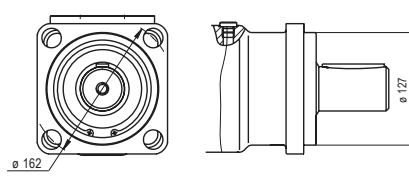
W Wheel Mount - MVW Series



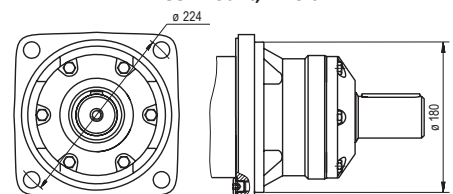
Standard Mount, 4 Bolt



C - Mount, 4 Bolt



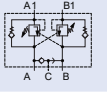
W - Wheel Mount, 4 Bolt



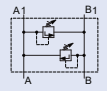
KP Series Direct Mounted Valves



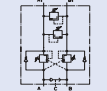
Overcentre Valves with Brake Release Port

Part Number & Pricing		Specifications							
	List Price	Motor Type	Cartridge	Ports BSPP		Flow Max Cont LPM	Pressure Range Bar	Pilot Ratio	Weight Kg
				A B	C				
KPBR 250/1/E	\$ 400	MP MR MH	Single	1/2"	1/4"	60	60-280	4.25:1	3.1
KPBR 250/1/D	\$ 510	MP MR MH	Dual	1/2"	1/4"	60	60-280	4.25:1	3.1
KPBW 250/1/D	\$ 880	RW HW	Dual	1/2"	1/4"	60	60-280	4.25:1	3.3
KPBS 250/1/E	\$ 410	MS	Single	1/2"	1/4"	60	60-280	4.25:1	2.9
KPBS 250/1/D	\$ 510	MS	Dual	1/2"	1/4"	60	60-280	4.25:1	3
KPBS 250/2/D	\$ 520	MS	Dual	1/2"	1/4"	60	60-280	8:1	3
KPBT 250/1/E	\$ 450	MT	Single	3/4"	1/4"	100	70-250	4.25:1	5.4
KPBT 250/1/D	\$ 560	MT	Dual	3/4"	1/4"	100	70-250	4.25:1	5.8
KPBV 250/1/D	\$ 1150	MV	Dual	1"	1/4"	200	70-250	4.25:1	9.8

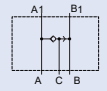
Cross Line Relief Valves

Part Number & Pricing		Specifications					
	List Price	Motor Type	Cartridge	Ports BSPP	Flow Max Cont LPM	Pressure Range Bar	Weight Kg
				A B			
KPER 210	\$ 220	MP MR MH	Single	1/2"	60	50-210	1.6
KPDR 210	\$ 280	MP MR MH	Dual	1/2"	60	50-210	1.6
KPDW 250	\$ 630	RW HW	Dual	1/2"	60	80-250	2.9
KPES 210	\$ 210	MS	Single	1/2"	60	50-210	1.5
KPDS 210	\$ 280	MS	Dual	1/2"	60	50-210	1.5
KPET 210	\$ 470	MT	Single	3/4"	120	80-210	5.1
KPDT 210	\$ 580	MT	Dual	3/4"	120	80-210	5.6
KPDV 250	\$ 1210	MV	Dual	1"	200	20-250	8

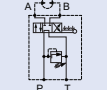
Overcentre and Crossline Relief Valve Combined with Brake Release Port

Part Number & Pricing		Specifications							
	List Price	Motor Type	Cartridge	Ports BSPP		Flow LPM	Relief Pressure Bar	Overcentre Pressure Bar	Pilot Ratio
				A B	C				
KPDBR210-250/1/D	\$ 910	MP MR MH	Dual	1/2"	1/4"	60	210	250	4.25:1

Shuttle Valves

Part Number & Pricing		Specifications				
	List Price	Motor Type	Ports BSPP		Flow Max Cont LPM	Pressure Max Cont Bar
			A B	C		
KPWR	\$ 170	MP MR MH	1/2"	1/4"	60	250
KPWS	\$ 170	MS	1/2"	1/4"	60	250
KPWT	\$ 350	MT	3/4"	1/4"	100	250
KPWV	\$ 560	MV	1"	1/4"	200	250

Handle Operated Direction Control Valve with Relief

Part Number & Pricing		Specifications			
	List Price	Motor Type	Ports BSPP	Flow Max Cont LPM	Pressure Drop Max Cont Bar
			A B		
BDR 1205/25A	\$ 380	MP MR MH	1/2"	50	30-250
BDS 1205/25A	\$ 380	MS	1/2"	50	30-250

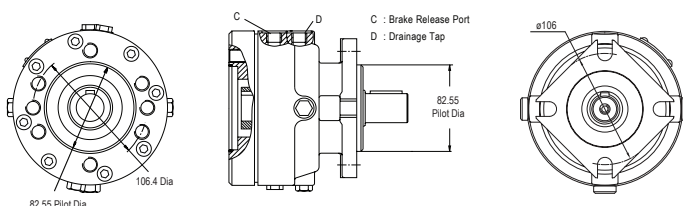
LB Series Static Torque Disc Brakes



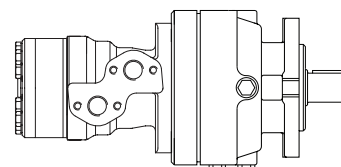
Brakes to Suit Motors MP, MR, MH and MS

Part Number & Pricing		Specifications							
Part Number	List Price	Brake Input		Brake Output Shaft Mount	Static Torque Nm	Opening Pressure Min / Max Bar	Min Oil Release cm3	Max Pressure Drain Bar	Weight Kg
		Motor Series Page Ref	Shaft Mount						
LB/288CO-63CO	\$ 960	MP, MR Pages 4, 8	1" Keyed SAE A 2 Bolt	1" Keyed SAE A 2/4 Bolt	610 - 640	23 / 300	7 - 8	0.5	10
LB/288SH-63CO	\$ 960	MP, MR Pages 4, 8	1" 6B Splined SAE A 2 Bolt	1" Keyed SAE A 2/4 Bolt	610 - 640	23 / 300	7 - 8	0.5	10
LB/288CB-63CB	\$ 1020	MP, MR, MH, MS Pages 4, 8, 12, 15	32mm Straight SAE A 2/4 Bolt	32mm Straight SAE A 2/4 Bolt	610 - 640	23 / 300	7 - 8	0.5	10

LB 288 Series - Input, Side & Output Views



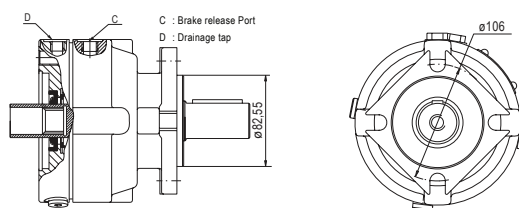
Example - MR Motor + LB/288 Brake



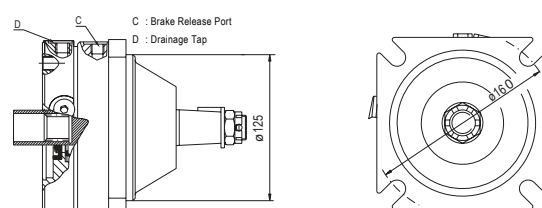
Brakes to Suit Motors MSS, MTS and MVS

Part Number & Pricing		Specifications						
Part Number	List Price	Brake Input Motor Series Page Ref	Brake Output Shaft Mount	Static Torque Nm	Opening Pressure Min - Max Bar	Min Oil Release Cm3	Max Pressure Drain Bar	Weight Kg
LBS/289-63CB	\$ 1440	MSS Short Motor Page 15	32mm Straight SAE A 2/4 Bolt	610 - 640	23 - 300	7 - 8	5	9
LBS/290-63KB	\$ 1570	MSS Short Motor Page 15	35mm 1:10 Tapered Wheel	610 - 640	23 - 300	7 - 8	5	9
LBS/314-130C	\$ 2070	MTS Short Motor Page 18	40mm Straight Keyed 4 Bolt Mount	1260 - 1360	29 - 300	8 - 9	5	24
LBS/315-130K	\$ 2110	MTS Short Motor Page 18	45mm 1:10 Tapered Wheel	1260 - 1360	29 - 300	8 - 9	5	25
LBS/316-130C	\$ 2740	MVS Short Motor Page 21	50mm Straight Keyed 4 Bolt	1270 - 1370	29 - 300	8 - 9	5	26
LBS/316-130K	\$ 2740	MVS Short Motor Page 21	60mm 1:10 Tapered Wheel	1270 - 1370	29 - 300	8 - 9	5	26

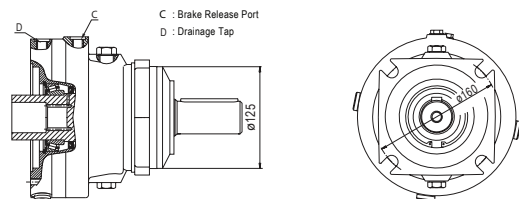
LBS 289 CB - Side & Output View



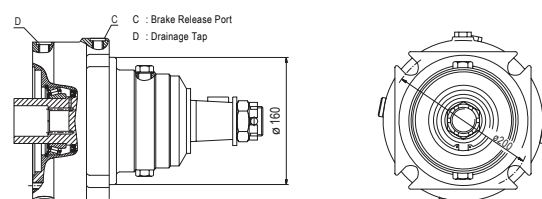
LBS 290 KB - Side & Output View



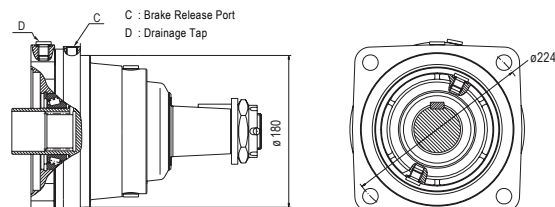
LBS 314 C - Side & Output View



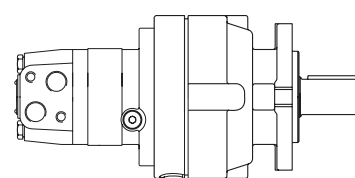
LBS 315 K - Side & Output View



LB 316 K - Side & Output View



Example - MSS Motor + LBS 289 Brake



HKU Series Replaces Danfoss OSPB/OSPC , Eaton 3/6/12 Series



Standard Pricing : Configuration Open Centre, Non Load Reaction, Ports 1/2" BSPP

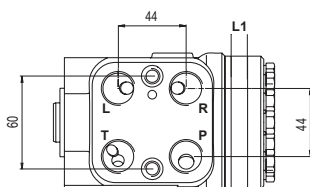
Part Number & Pricing		Specifications					
Part Number	List Price	CC/Rev	Rotor Width L1 - mm	Flow Max Cont LPM	Pressure Max Cont Bar	Pressure Tank Bar	Weight Kg
HKU 40/4	\$ 800	39.6	6.5	4	140	25	5.3
HKU 50/4	\$ 810	49.5	6.5	5	140	25	5.4
HKU 63/4	\$ 810	65.6	8.2	6	170	25	5.5
HKU 80/4	\$ 820	79.2	10.6	8	170	25	5.6
HKU 100/4	\$ 840	99	13.2	10	170	25	5.7
HKU 125/4	\$ 850	123.8	16.6	13	170	25	5.8
HKU 160/4	\$ 880	158.4	20.8	16	170	25	6
HKU 200/4	\$ 910	198	26.6	20	170	25	6.3
HKU 250/4	\$ 960	247.5	32.9	25	170	25	6.5
HKU 320/4	\$ 1030	316.8	42.7	32	170	25	7
HKU 400/4	\$ 1080	396	52.9	40	170	25	7.4
HKU 500/4	\$ 1600	495	61.2	50	170	25	8
HKU 630/4	\$ 1670	623.6	83.6	63	140	25	8.7
HKU 800/4	\$ 1760	793	110.7	70	140	25	9.6
HKU 1000/4	\$ 2530	990	133.2	70	100	25	10.6

Motor Seals to suit
HKU Series Page 26

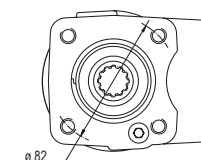
Code Builder :

RELIEF			CONFIGURATION			RELIEF SETTING			OPTIONS		
Code	Description	Add	Code	Description	Add	Code	Description	Add	Code	Description	Add
S	Built in Relief and Shock Valves	\$ 140	4	Open Centre Non Load Reaction	-	150	150 Bar Relief 200 Bar Shock Valves	-	-	1/2" BSPP Ports	-
			3	Open Centre Load Reaction	\$ 30	175	175 Bar Relief 240 Bar Shock Valves	-	A	3/4" UNF Ports	\$ 30
			7	Closed Centre Non Load Reaction	\$ 30				PB	# Power Beyond	\$ 100
			5	Load Sense Static use with PRD/80 valve	\$ 180				H	High Pressure Shaft Seal	\$ 50
			5T	Load Sense – Static	\$ 180				# Available for Displacements 40 - 125cc Only.		
			5DT	Load Sense – Dynamic	\$ 190						

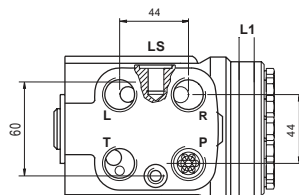
Standard HKU.../3.../4.../7 - Side View



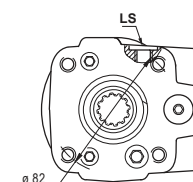
Top View



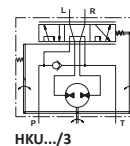
Load Sense HKU.../5T... - Side View



Top View

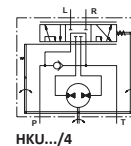


Open Centre Load Reaction



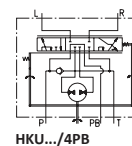
HKU.../3

Open Centre Non Load Reaction



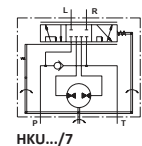
HKU.../4

Open Centre Non Load Reaction Power Beyond



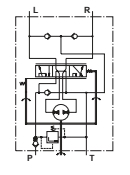
HKU.../4PB

Closed Centre Non Load Reaction



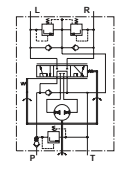
HKU.../7

Open Centre Load Reaction Relief/Shock Valves



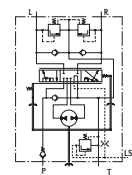
HKU.../3

Open Centre Non Load Reaction Relief/Shock Valves



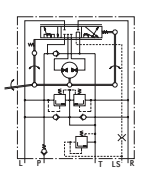
HKU.../4

Closed Centre Load Sense Relief/Shock Valves



HKU.../5T

Closed Centre Load Sense PRD/80 Valve



HKU.../5

KK Series Steering Columns, Wheels, Direct Mounted Valves

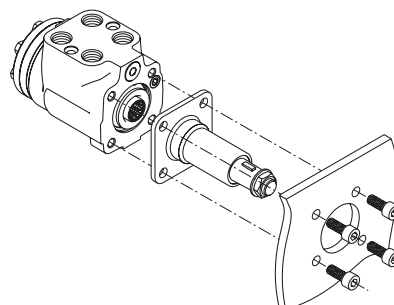


Steering Columns and Shaft Journal

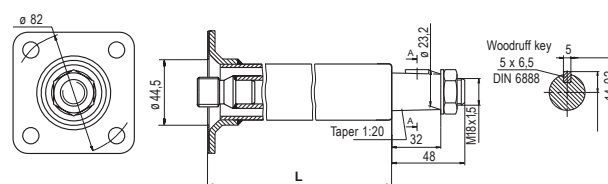
Part Number & Pricing		Specifications	
Part Number	List Price	Length (L) mm	Weight Kg
KK75-I	\$ 160	78	0.75
KK150-I	\$ 190	168.2	1.1
KK275-I	\$ 220	278	1.5
KK390-I	\$ 230	393	1.9
KK465-I	\$ 300	465	2.5
KK750-I	\$ 330	777.8	3.3
SJ-HKU	\$ 50	Shaft Journal - to suit HKU Series Orbital	

Code	List Price	Steering Column Options
E	\$ 60	Electric Signal Connection
F	\$ 30	Mounting Flange with Tabs

Standard KK Series Column fitted to HKU Steering Orbital



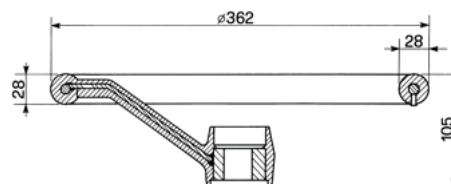
Standard KK Series Column - 1:20 Taper Shaft



Steering Wheels

Part Number & Pricing		Specifications	
Part Number	List Price	Wheel Dia. mm	Column Shaft Input
360 Wheel	\$ 170	362	1:20 Tapered
400 Wheel	\$ 210	400	1:20 Tapered
400S Wheel	\$ 210	400	36T Splined
360-S.KNOB	\$ 40	Wheel Spinner, for "360 Wheel" only.	

360 Steering Wheel (400 Dia Available)



Relief Valves - BKH Series

Part Number & Pricing		Specifications					
Part Number	List Price	Valve Description	Flow Max Cont LPM	Pressure Max Cont Bar	Relief Setting Bar	Shock Valves Setting Bar	Weight Kg
BKH1-125	\$ 220	Direct Mounted	80	160	125	180	1.9
BKH1-150	\$ 220	Direct Mounted	80	160	150	200	1.9
BKHR-125	\$ 240	Inline	80	160	125	180	2.4

Priority Valves with Load Sense - PR Series

Part Number & Pricing		Specifications						
Part Number	List Price	Valve Description	Flow Max Cont LPM	Pressure P, EF Bar	Pressure CF, LS , # Bar	Pressure R, L Bar	Pressure Tank Bar	Weight Kg
PRD 80/7	\$ 350	Direct Mount - HKUS../5 only	80	250	210	280	20	2.3
PRTA 80/7	\$ 390	Inline	80	250	210	-	-	1.4
PRTAD80/7	\$ 370	Inline	80	250	210	-	-	1.4
PRT 160/10	\$ 700	Inline	160	350	# PP & CF - 210	-	15	4.5

Torque Amplifiers - UVM Series

Part Number & Pricing		Specifications				
Part Number	List Price	Displacement CC/Rev	Flow Max Cont LPM	Pressure Max Cont Bar	Pressure Tank Bar	Weight Kg
UVM 100	\$ 870	100	10	70	20	6
UVM 160	\$ 900	160	16	70	20	6.4



M+S Seal Kits to suit all M+S Motors, Steering Units & Disc Brakes

SEAL KIT		
Part Number	List Price	Page No.
MM-SKD	\$ 100	2
MM-SKV	\$ 250	2
MLHM-SK	\$ 100	3
MP-SKD	\$ 90	4
MPQ-SKD	\$ 90	4
MP-SKU	\$ 110	4
MPQ-SKU	\$ 120	4
MP-SKV	\$ 140	4
MP-SKB	\$ 110	4
MLHP-SKD	\$ 90	5
MLHP-SKU	\$ 110	5
MLHPQ-SKU	\$ 120	5
HP-SKUC	\$ 110	6
HP-SKUE	\$ 110	6
PL-SKU	\$ 110	7
MR-SKD	\$ 90	8
MRQ-SKD	\$ 90	8
MR-SKU	\$ 110	8
MRQ-SKU	\$ 120	8
MR-SKV	\$ 140	8
MR-SKB	\$ 110	8
RW-SKU	\$ 110	13
MLHR-SKD	\$ 90	9
MLHR-SKU	\$ 110	9
MLHRW-SKB	\$ 110	9
HR-SKUC	\$ 110	10
HR-SKUE	\$ 110	10
RL-SKU	\$ 120	11
MH-SKD	\$ 110	12
MH-SKU	\$ 140	12
HW-SKV	\$ 200	14
MS-SKD	\$ 110	15
MS-SKU	\$ 140	15
MSS-SK	\$ 50	15
MLHS-SKU	\$ 140	16
MYZ-SKU	\$ 250	17
MT-SKD	\$ 140	18
MT-SKU	\$ 230	18
MTS-SK	\$ 70	18
MLHT-SKU	\$ 230	19
MTM-SKD	\$ 190	20
MTM-SKU	\$ 260	20
MV-SKD	\$ 230	21
MV-SKU	\$ 260	21
MVS-SK	\$ 130	21
HKU-SK	\$ 70	24
LB288-SK	\$ 120	23
LBS289/290-SK	\$ 140	23
LBS314/315-SK	\$ 170	23
LBS316-SK	\$ 200	23

SHAFT SEALS			
Part Number	List Price	Dimensions mm	Pressure Rating Without Drain Line
MM-SSD	\$ 50	17x28x5.5	140 Bar ≤100rpm
MM-SSV	\$ 150	17x28x5.5	140 Bar ≤100rpm
MLHM-SS	\$ 50	17x28x5.5	140 Bar ≤100rpm
MP-SSD	\$ 40	28.56x42x5.5	150 Bar ≤100rpm
MPQ-SSD	\$ 40	28.56x42x5.5	150 Bar ≤100rpm
MP-SSU	\$ 70	28.56x42x5.5	200 Bar ≤200rpm
MPQ-SSU	\$ 70	28.56x42x5.5	200 Bar ≤200rpm
MP-SSV	\$ 90	28.56x42x5.5	150 Bar ≤100rpm
MP-SSB	\$ 50	35x48x5.5	100 Bar ≤100rpm
MLHP-SSD	\$ 40	28.56x42x5.5	150 Bar ≤100rpm
MLHP-SSU	\$ 70	28.56x42x5.5	200 Bar ≤200rpm
MLHPQ-SSU	\$ 70	28.56x42x5.5	200 Bar ≤200rpm
HP-SSUC	\$ 70	28.56x42x5.5	200 Bar ≤200rpm
HP-SSUE	\$ 70	28.56x38x4.8	200 Bar ≤200rpm
PL-SSU	\$ 50	35x48x5.5	100 Bar ≤100rpm
MR-SSD	\$ 40	28.56x42x5.5	150 Bar ≤100rpm
MRQ-SSD	\$ 40	28.56x42x5.5	150 Bar ≤100rpm
MR-SSU	\$ 70	28.56x42x5.5	200 Bar ≤200rpm
MRQ-SSU	\$ 70	28.56x42x5.5	200 Bar ≤200rpm
MR-SSV	\$ 90	28.56x42x5.5	150 Bar ≤100rpm
MR-SSB	\$ 50	35x48x5.5	100 Bar ≤100rpm
RW-SSU	\$ 50	35x48x5.5	200 Bar ≤150rpm
MLHR-SSD	\$ 40	28.56x42x5.5	150 Bar ≤100rpm
MLHR-SSU	\$ 70	28.56x42x5.5	200 Bar ≤200rpm
MLHRW-SSB	\$ 50	35x48x5.5	100 Bar ≤100rpm
HR-SSUC	\$ 70	28.56x42x5.5	200 Bar ≤200rpm
HR-SSUE	\$ 70	28.56x38x4.8	200 Bar ≤200rpm
RL-SSU	\$ 50	35x48x5.5	100 Bar ≤100rpm
MH-SSD	\$ 50	35x48x5.5	100 Bar ≤100rpm
MH-SSU	\$ 80	35x48x5.5	150 Bar ≤200rpm
HW-SSV	\$ 110	38.1x50x5.5	150 Bar ≤70rpm
MS-SSD	\$ 50	35x48x5.5	100 Bar ≤100rpm
MS-SSU	\$ 80	35x48x5.5	150 Bar ≤200rpm
-	-	-	-
MLHS-SSU	\$ 110	35x48x5.5	150 bar ≤200rpm
MYZ-SSU	\$ 180	45x65x5.5	100 Bar ≤300rpm
MT-SSD	\$ 70	45x65x7	75 Bar ≤150rpm
MT-SSU	\$ 190	45x65x4.8	100 Bar ≤300rpm
-	-	-	-
MLHT-SSU	\$ 190	45x65x5.5	100 Bar ≤300rpm
MTM-SSD	\$ 130	50x70x7	75 Bar ≤150rpm
MTM-SSU	\$ 190	50x70x7	100 Bar ≤300rpm
MV-SSD	\$ 160	60x80x7/6	60 Bar ≤100rpm
MV-SSU	\$ 190	60x80x7/6	60 Bar ≤350rpm
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

DUST SEALS		
Part Number	List Price	Dimensions mm
MM-DS	\$ 20	23.5x17x3.4
MM-DS	\$ 20	23.5x17x3.4
MLHM-DS	\$ 20	23.5x17x3.4
MP-DS	\$ 20	28.5x35x2
MPQ-DS	\$ 20	28.5x35x2
MP-DS	\$ 20	28.5x35x2
MPQ-DS	\$ 20	28.5x35x2
MP-DS	\$ 20	28.5x35x2
MP-DSB	\$ 20	35x42x2
MLHP-DS	\$ 20	28.5x35x2
MLHP-DS	\$ 20	28.5x35x2
MLHPQ-DS	\$ 20	28.5x35x2
HP-DS	\$ 20	35x28.5x2
HP-DS	\$ 20	35x28.5x2
PL-DS	\$ 20	35x42x2
MR-DS	\$ 20	28.5x35x2
MRQ-DS	\$ 20	28.5x35x2
MR-DS	\$ 20	28.5x35x2
MRQ-DS	\$ 20	28.5x35x2
MR-DS	\$ 20	25.5x35x2
MR-DSB	\$ 20	35x42x2
RW-DS	\$ 20	35x42x2
MLHR-DS	\$ 20	28.5x35x2
MLHR-DS	\$ 20	28.5x35x2
MLHRW-DS	\$ 20	35x42x2
HR-DS	\$ 20	35x28.5x2
HR-DS	\$ 20	35x28.5x2
RL-DS	\$ 20	35x42x2
MH-DS	\$ 20	35x42x2
MH-DS	\$ 20	35x42x2
HW-DS	\$ 20	38.1x48x2
MS-DS	\$ 20	35x42x2
MS-DS	\$ 20	35x42x2
-	-	-
MLHS-DS	\$ 20	35x42x2
MYZ-DS	\$ 20	45x52x3
MT-DS	\$ 20	45x52x4
MT-DS	\$ 20	45x52x3
-	-	-
MLHT-DS	\$ 20	45x52x3
MTM-DS	\$ 20	50x58x4
MTM-DS	\$ 20	50x58x4
MV-DS	\$ 30	60x72x3
MV-DS	\$ 30	60x72x3
-	-	-
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-	-	-
-	-	-
-	-	-
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PUMPS & MOTORS

CONTENTS

SINGLE GEAR PUMPS

MULTIPLE GEAR PUMPS

GEAR MOTORS

HAND PUMPS

GEAR PUMP ROTATION



European Standard Group 00

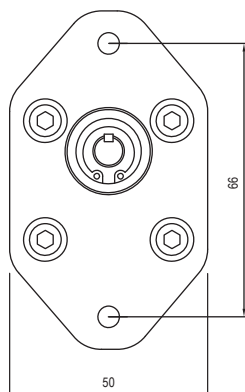
Standard : **Shaft** M6 Keyed with Lock Nut, **Mount** 2 Bolt 22mm Spigot, **Rotation** R/H, **Ports** BSPP

Part Number & Pricing		Specifications					
Part Number	List Price	CC/Rev	Ports		Speed Max Cont RPM	Pressure Max Cont Bar	Weight Kg
			Suction	Pressure			
00C0.25X032G	\$ 320	0.25	1/4"	1/4"	3500	200	0.4
00C0.3X032G	\$ 320	0.3	1/4"	1/4"	3500	200	0.4
00C0.5X032G	\$ 320	0.5	1/4"	1/4"	3500	200	0.4
00C0.75X032G	\$ 320	0.75	1/4"	1/4"	3500	200	0.4
00C1X032G	\$ 330	1	1/4"	1/4"	3500	200	0.4
00C1.25X032G	\$ 330	1.25	1/4"	1/4"	3000	200	0.4
00C1.5X032G	\$ 330	1.5	1/4"	1/4"	2500	175	0.4
00C1.75X032G	\$ 330	1.75	1/4"	1/4"	2500	160	0.4
00C2X032G	\$ 330	2	1/4"	1/4"	2000	160	0.4

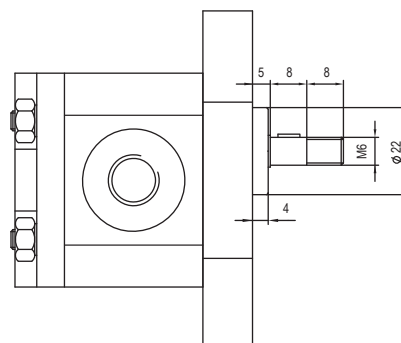
Seal Kits and Options

Part Number	List Price	Description
GR00-SK	\$ 40	Seal Kit - Includes all seals for group 00 pumps
GR00-SS	\$ 10	Shaft Seal - Shaft seal only, suitable for group 00 pumps
Rotation	\$ 20	Rotation - Rotation change from standard
Modification	\$ 50	Modification - Special design charges may vary

Front View - 2 Bolt, M6 Keyed
032G Series



Side View - 2 Bolt, M6 Keyed, BSPP
032G Series





European Standard Group 1

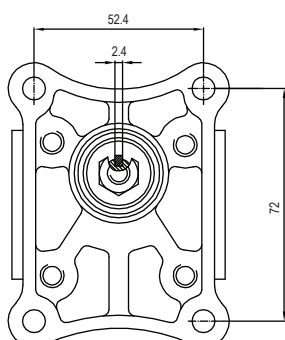
Standard : **Shaft** 1:8 Tapered, **Mount** 4 Bolt 25.4mm Spigot, **Rotation** R/H, **Ports** BSPP or Flanged

BSPP Threaded Ports		Flanged Ports		Specifications					
Part Number	List Price	Part Number	List Price	CC/Rev	Ports		Speed Max Cont RPM	Pressure Max Cont Bar	Weight Kg
					Suction	Pressure			
10C1X053G	\$ 320	10C1X026	\$ 320	1	3/8"	3/8"	3500	250	1
10C1.25X053G	\$ 320	10C1.25X026	\$ 320	1.25	3/8"	3/8"	3500	250	1
10C1.6X053G	\$ 320	10C1.6X026	\$ 320	1.6	3/8"	3/8"	3500	250	1
10C2X053G	\$ 320	10C2X026	\$ 320	2	3/8"	3/8"	3500	250	1
10C2.5X053G	\$ 330	10C2.5X026	\$ 330	2.5	3/8"	3/8"	3500	250	1.1
10C3.15X053G	\$ 330	10C3.15X026	\$ 330	3.15	1/2"	3/8"	3500	250	1.1
10C3.65X053G	\$ 340	10C3.65X026	\$ 340	3.65	1/2"	3/8"	3500	250	1.2
10C4.2X053G	\$ 340	10C4.2X026	\$ 340	4.2	1/2"	3/8"	3500	250	1.2
10C5X053G	\$ 340	10C5X026	\$ 340	5	1/2"	3/8"	3000	250	1.2
10C5.7X053G	\$ 350	10C5.7X026	\$ 350	5.7	1/2"	3/8"	3000	200	1.3
10C6.1X053G	\$ 350	10C6.1X026	\$ 350	6.1	1/2"	3/8"	2500	200	1.3
10C7.4X053G	\$ 350	10C7.4X026	\$ 350	7.4	1/2"	3/8"	2500	180	1.4
10C8.5X053G	\$ 350	10C8.5X026	\$ 350	8.5	1/2"	3/8"	2000	150	1.5
10C9.8X053G	\$ 360	10C9.8X026	\$ 360	9.8	1/2"	3/8"	2000	120	1.6

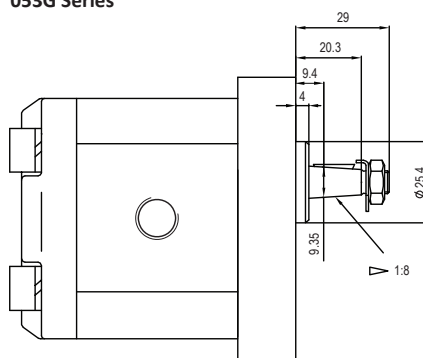
Seal Kits, Port Adaptors and Options

Part Number	List Price	Description
GR105-SK	\$ 40	Seal Kit - Includes all seals for group 1 pumps
GR105-SS	\$ 10	Shaft Seal - Shaft seal only, suitable for group 1 pumps
G3/8	\$ 50	Port Adaptor - Alloy Elbow 2 Bolt - Mount PCD 30mm, Female 3/8" BSPP
G1/2	\$ 50	Port Adaptor - Alloy Elbow 2 Bolt - Mount PCD 30mm, Female 1/2" BSPP
A2A1	\$ 180	Internal Relief - Positioned in the rear plate, Range 70-180 Bar
SP1	\$ 350	Bearing Support - 1:8 Tapered input, 18mm Straight Keyed output
Shafts or Flanges	\$ 70	Spare Parts - A range of shafts and front flanges available
Rotation	\$ 20	Rotation - Rotation change from standard
Modification	\$ 50	Modification - Special design charges may vary

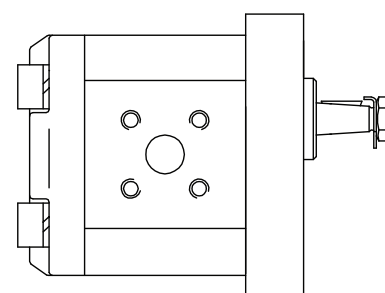
Front View - Euro 4 Bolt, 1:8 Tapered



Side View - Euro 4 Bolt, 1:8 Tapered, BSPP 053G Series



Side View - Euro 4 Bolt, 1:8 Tapered, Flanged 026 Series





European Standard Group 2

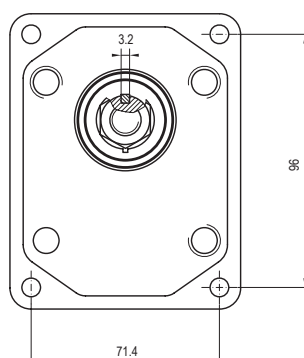
Standard : **Shaft** 1:8 Tapered, **Mount** 4 Bolt 36.5mm Spigot, **Rotation** R/H, **Ports** BSPP or Flanged

BSPP Threaded Ports		Flanged Ports		Specifications					
Part Number	List Price	Part Number	List Price	CC/Rev	Ports		Speed Max Cont RPM	Pressure Max Cont Bar	Weight Kg
					Suction	Pressure			
20C4.5X687G	\$ 400	20C4.5X006	\$ 400	4.5	1/2"	1/2"	3500	250	3.3
20C6.3X687G	\$ 400	20C6.3X006	\$ 400	6.3	1/2"	1/2"	3500	250	3.4
20C8.2X687G	\$ 400	20C8.2X006	\$ 400	8.2	1/2"	1/2"	3500	250	3.4
20C11X016G	\$ 410	20C11X006	\$ 410	11.3	3/4"	1/2"	3500	250	3.6
20C14X016G	\$ 430	20C14X006	\$ 430	14	3/4"	1/2"	3500	250	3.7
20C16X016G	\$ 430	20C16X006	\$ 430	16	3/4"	1/2"	2500	250	3.8
20C19X016G	\$ 440	20C19X006	\$ 440	19	3/4"	1/2"	2500	200	3.9
20C22X016G	\$ 440	20C22X006	\$ 440	22	3/4"	1/2"	2000	180	4.1
20C25X016HG	\$ 460	20C25X006H	\$ 460	25	3/4"	1/2"	2500	160	4.5
20C28X016HG	\$ 500	20C28X006H	\$ 500	28	1"	3/4"	2500	130	4.6
20C32X016HG	\$ 520	20C32X006H	\$ 520	32	1"	3/4"	2000	120	4.9
20C36X016HG	\$ 540	20C36X006H	\$ 540	36	1"	3/4"	2000	100	5

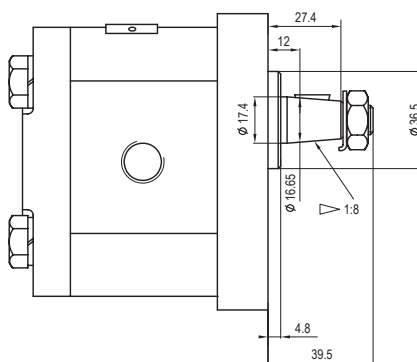
Seal Kits, Port Adaptors and Options

Part Number	List Price	Description
GR205-SK	\$ 70	Seal Kit - Includes all seals for group 2 pumps
GR205-SKV	\$ 130	Seal Kit Viton - Includes all seals for group 2 pumps
GR205-SS	\$ 20	Shaft Seal - Shaft seal only, suitable for group 2 pumps
GR205-SSV	\$ 30	Shaft Seal Viton- Shaft seal only, suitable for group 2 pumps
GR205-SST	\$ 40	Shaft Seal High Pressure - Shaft seal only - suitable for group 2 pumps, 30 Bar
G1/2	\$ 50	Port Adaptor - Alloy Elbow 2 Bolt - Mount PCD 30mm, Female 1/2" BSPP
G3/4	\$ 50	Port Adaptor - Alloy Elbow 2 Bolt - Mount PCD 40mm, Female 3/4" BSPP
G1	\$ 70	Port Adaptor - Alloy Elbow 2 Bolt - Mount PCD 50.8mm, Female 1" BSPP
A2A1 or A2A3	\$ 180	Internal Relief - Position in the rear cover, A2A1 Range 70-180 Bar, A2A3 Range 100-250 Bar
Shafts or Flanges	\$ 100	Spare Parts - A range of shafts and front flanges available
Rotation	\$ 20	Rotation - Rotation change from standard
Code - "W"	\$ 40	Rear Ports - BSPP Threaded
Modification	\$ 50	Modification - Special design charges may vary

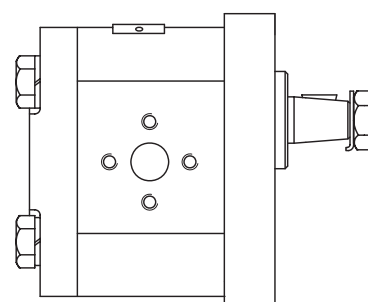
Front View - Euro 4 Bolt, 1:8 Tapered



Side View - Euro 4 Bolt, 1:8 Tapered, BSPP 016G / 687G Series



Side View - Euro 4 Bolt, 1:8 Tapered, Flanged 006 Series





European Standard Group 3

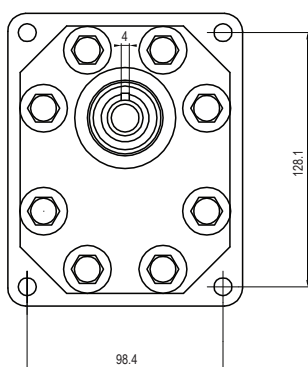
Standard : **Shaft** 1:8 Tapered, **Mount** 4 Bolt 50.8mm Spigot, **Rotation** R/H, **Ports** BSPP or Flanged

BSPP Threaded Ports		Flanged Ports		Specifications					
Part Number	List Price	Part Number	List Price	CC/Rev	Ports		Speed Max Cont RPM	Pressure Max Cont Bar	Weight Kg
					Suction	Pressure			
30C20X163HG	\$ 720	30C20X146H	\$ 720	20	3/4"	3/4"	3000	250	8
30C25X163HG	\$ 730	30C25X146H	\$ 730	25	3/4"	3/4"	3000	250	8.2
30C32X163HG	\$ 770	30C32X146H	\$ 770	32	1"	3/4"	3000	250	8.8
30C36X163HG	\$ 780	30C36X146H	\$ 780	36	1"	3/4"	2800	250	9.1
30C42X163HG	\$ 800	30C42X146H	\$ 800	42	1"	3/4"	2500	230	9.3
30C46X163HG	\$ 810	30C46X146H	\$ 810	46	1"	3/4"	2300	230	9.6
30C50X163HG	\$ 820	30C50X146H	\$ 820	50	1"	3/4"	2100	200	9.8
30C55X163HG	\$ 840	30C55X146H	\$ 840	55	1"	3/4"	1750	200	9.9
30C60X163HG	\$ 860	30C60X146H	\$ 860	60	1"	3/4"	1750	180	10

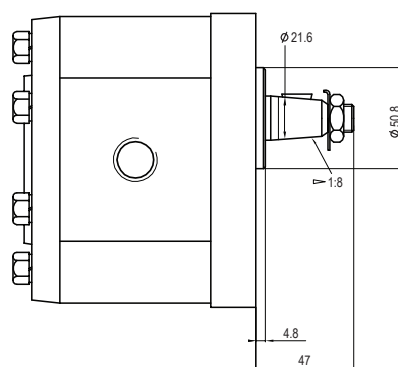
Seal Kits, Port Adaptors and Options

Part Number	List Price	Description
GR305-SK	\$ 90	Seal Kit - Includes all seals for group 3 pumps
GR305-SKH	\$ 100	Seal Kit - Includes all seals for group 3 pumps - H series
GR305-SKHV	\$ 120	Seal Kit with Viton Shaft Seal- Includes all seals for group 3 pumps - H series
GR305-SS	\$ 20	Shaft Seal - Shaft seal only, suitable for group 3 pumps
GR305-SSH	\$ 30	Shaft Seal - Shaft seal only, suitable for group 3 pumps - H series
GR305-SSHV	\$ 50	Shaft Seal Viton - Shaft seal only, suitable for group 3 pumps - H Series
GR305-SST	\$ 80	Shaft Seal High Pressure - Shaft seal only - suitable for group 3 pumps, 30 Bar
G3/4	\$ 50	Port Adaptor - Alloy Elbow 2 Bolt - Mount PCD 40mm, Female 3/4" BSPP
G1	\$ 70	Port Adaptor - Alloy Elbow 2 Bolt - Mount PCD 50.8mm, Female 1" BSPP
Shafts or Flanges	\$ 120	Spare Parts - A range of shafts and front flanges available
Rotation	\$ 20	Rotation - Rotation change from standard
Modification	\$ 50	Modification - Special design charges may vary

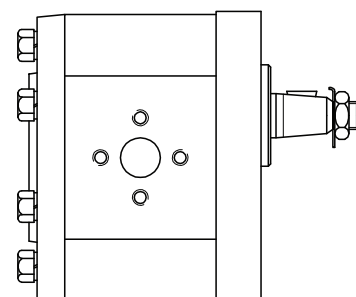
Front View - Euro 4 Bolt, 1:8 Tapered



Side View - Euro 4 Bolt, 1:8 Tapered, BSPP 163G Series



Side View - Euro 4 Bolt, 1:8 Tapered, Flanged 146 Series



American Standard Group 2



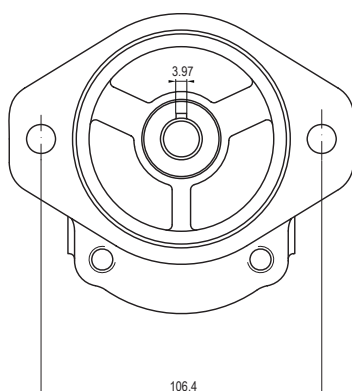
Standard : **Shaft** 5/8" Keyed or Splined, **Mount** SAE A 2 Bolt 82.55mm Spigot, **Rotation** R/H, **Ports** BSPP

5/8" Keyed Shaft		5/8" 9T Splined Shaft		Specifications					
Part Number	List Price	Part Number	List Price	CC/Rev	Ports - BSPP		Speed Max Cont RPM	Pressure Max Cont Bar	Weight Kg
					Suction	Pressure			
20C4.5X030G	\$ 430	20C4.5X085G	\$ 430	4.5	1/2"	1/2"	3500	250	3.4
20C6.3X030G	\$ 430	20C6.3X085G	\$ 430	6.3	1/2"	1/2"	3500	250	3.5
20C8.2X030G	\$ 430	20C8.2X085G	\$ 430	8.2	1/2"	1/2"	3500	250	3.5
20C11X030G	\$ 430	20C11X085G	\$ 430	11.3	3/4"	1/2"	3500	250	3.7
20C14X030G	\$ 470	20C14X085G	\$ 470	14	3/4"	1/2"	3500	250	3.8
20C16X030G	\$ 470	20C16X085G	\$ 470	16	3/4"	1/2"	2500	250	3.9
20C19X030G	\$ 470	20C19X085G	\$ 470	19	3/4"	1/2"	2500	200	4
20C22X030G	\$ 470	20C22X085G	\$ 470	22	3/4"	1/2"	2000	180	4.2
20C25X030HG	\$ 500	20C25X085HG	\$ 500	25	3/4"	1/2"	2500	160	4.6
20C28X030HG	\$ 530	20C28X085HG	\$ 530	28	1"	3/4"	2500	130	4.7
20C32X030HG	\$ 560	20C32X085HG	\$ 560	32	1"	3/4"	2000	120	5
20C36X030HG	\$ 590	20C36X085HG	\$ 590	36	1"	3/4"	2000	100	5.1

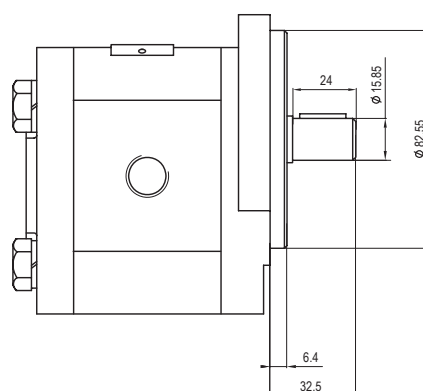
Seal Kits and Options

Part Number	List Price	Description
GR205-SK	\$ 70	Seal Kit - Includes all seals for group 2 pumps
GR205-SKV	\$ 130	Seal Kit Viton - Includes all seals for group 2 pumps
GR205-SS	\$ 20	Shaft Seal - Shaft seal only, suitable for group 2 pumps
GR205-SSV	\$ 30	Shaft Seal Viton- Shaft seal only, suitable for group 2 pumps
A2A1 or A2A3	\$ 180	Internal Relief - Positioned in the rear cover - A2A1 Range 70-180 Bar, A2A3 Range 100-250 Bar
Shafts or Flanges	\$ 100	Spare Parts - A range of shafts and front flanges available
Rotation	\$ 20	Rotation - Rotation change from standard
Modification	\$ 50	Modification - Special design charges may vary

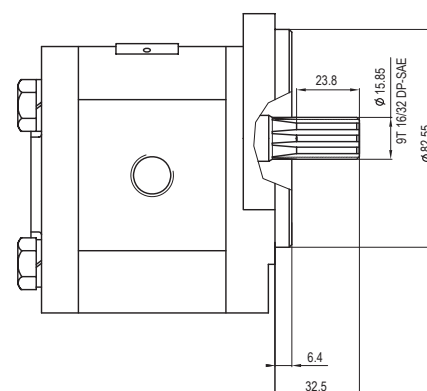
Front View - SAE A 2 Bolt



Side View - SAE A 2 Bolt, 5/8" Keyed 030G Series



Side View - SAE A 2 Bolt, 5/8" 9T Splined 085G Series





American Standard Group 3

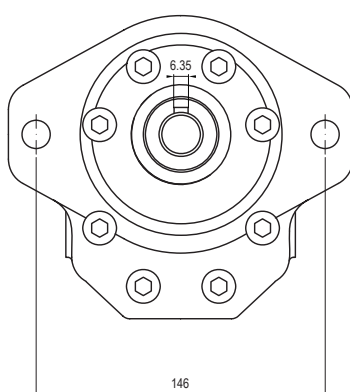
Standard : **Shaft** 7/8" Keyed or Splined, **Mount** SAE B 2 Bolt 101.6mm Spigot, **Rotation** R/H, **Ports** BSPP

7/8" Keyed Shaft		7/8" 13T Splined Shaft		Specifications					
Part Number	List Price	Part Number	List Price	CC/Rev	Ports - BSPP		Speed Max Cont RPM	Pressure Max Cont Bar	Weight Kg
					Suction	Pressure			
30C20X237HG	\$ 780	30C20X236HG	\$ 780	20	3/4"	3/4"	3000	250	8.5
30C25X237HG	\$ 810	30C25X236HG	\$ 810	25	3/4"	3/4"	3000	250	8.7
30C32X237HG	\$ 850	30C32X236HG	\$ 850	32	1"	3/4"	3000	250	9.3
30C36X237HG	\$ 870	30C36X236HG	\$ 870	36	1"	3/4"	2800	250	9.6
30C42X237HG	\$ 880	30C42X236HG	\$ 880	42	1"	3/4"	2500	230	9.8
30C46X237HG	\$ 890	30C46X236HG	\$ 890	46	1"	3/4"	2300	230	10.1
30C50X237HG	\$ 910	30C50X236HG	\$ 910	50	1"	3/4"	2100	200	10.3
30C55X237HG	\$ 920	30C55X236HG	\$ 920	55	1"	3/4"	1750	200	10.4
30C60X237HG	\$ 950	30C60X236HG	\$ 950	60	1"	3/4"	1750	180	10.6

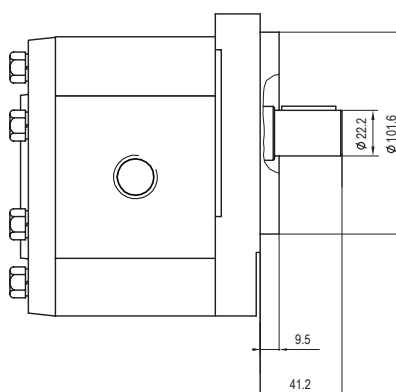
Seal Kits and Options

Part Number	List Price	Description
GR305-SK	\$ 90	Seal Kit - Includes all seals for group 3 pumps
GR305-SKH	\$ 100	Seal Kit - Includes all seals for group 3 pumps - H series
GR305-SS	\$ 20	Shaft Seal - Shaft seal only, suitable for group 3 pumps
GR305-SSH	\$ 30	Shaft Seal - Shaft seal only, suitable for group 3 pumps - H series
GR305-SSHV	\$ 50	Shaft Seal Viton - Shaft seal only, suitable for group 3 pumps - H series
Shafts or Flanges	\$ 120	Spare Parts - A range of shafts and front mounts available
Rotation	\$ 20	Rotation - Rotation change from standard
Modification	\$ 50	Modification - Special design charges may vary

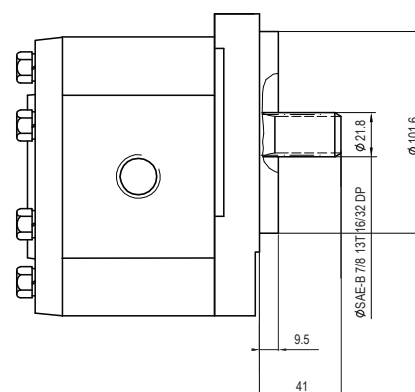
Front View - SAE B 2 Bolt



Side View - SAE B 2 Bolt, 7/8" Keyed, BSPP 237G Series



Side View - SAE B 2 Bolt, 7/8" 13T Splined, BSPP 236G Series





German Standard Group 2

Standard: **Combinations**

4 Bolt 80mm Spigot, L/H 1:5 Taper, Flange Ports		2 Bolt KHD 50mm Spigot, L/H 1:5 Taper, Flange Ports		2 Bolt IHC 50mm Spigot, L/H 1:5 Taper, Flange Ports		Specifications				
Part Number	List Price	Part Number	List Price	Part Number	List Price	CC/ Rev	Ports-Flanged		Speed Max Cont RPM	Pressure Max Cont Bar
							Inlet	Outlet		
20A4.5X086	\$ 500	20A4.5X007	\$ 550	20A4.5X008	\$ 550	4.5	G206	G205	3500	250
20A6.3X086	\$ 500	20A6.3X007	\$ 550	20A6.3X008	\$ 550	6.3	G206	G205	3500	250
20A8.2X086	\$ 520	20A8.2X007	\$ 570	20A8.2X008	\$ 570	8.2	G206	G205	3500	250
20A11X086	\$ 520	20A11X007	\$ 570	20A11X008	\$ 570	11	G206	G205	3500	250
20A14X086	\$ 540	20A14X007	\$ 580	20A14X008	\$ 580	14	G206	G205	3500	250
20A16X086	\$ 540	20A16X007	\$ 580	20A16X008	\$ 580	16	G206	G205	2500	250
20A19X086	\$ 560	20A19X007	\$ 600	20A19X008	\$ 600	19	G206	G205	2500	200
20A22X086	\$ 560	20A22X007	\$ 600	20A22X008	\$ 600	22	G206	G205	2000	180
20A25X086H	\$ 570	20A25X007H	\$ 610	20A25X008H	\$ 610	25	G206	G205	2500	160

4 Bolt 80mm Spigot, L/H 16.5mm 9T Splined , Flange Ports		2 Bolt KHD 50mm Spigot, L/H 16.5mm 9T Splined, Flanged Ports		2 Bolt SAE A 82.55mm Spig, R/H 5/8" 9T Splined, Flanged Ports		Specifications				
Part Number	List Price	Part Number	List Price	Part Number	List Price	CC/ Rev	Ports-Flanged		Speed Max Cont RPM	Pressure Max Cont Bar
							Inlet	Outlet		
20A4.5X021	\$ 540	20A4.5X205	\$ 540	20C4.5X104	\$ 430	4.5	G206	G205	3500	250
20A6.3X021	\$ 540	20A6.3X205	\$ 540	20C6.3X104	\$ 430	6.3	G206	G205	3500	250
20A8.2X021	\$ 560	20A8.2X205	\$ 560	20C8.2X104	\$ 430	8.2	G206	G205	3500	250
20A11X021	\$ 560	20A11X205	\$ 560	20C11X104	\$ 430	11	G206	G205	3500	250
20A14X021	\$ 590	20A14X205	\$ 590	20C14X104	\$ 470	14	G206	G205	3500	250
20A16X021	\$ 590	20A16X205	\$ 590	20C16X104	\$ 470	16	G206	G205	2500	250
20A19X021	\$ 600	20A19X205	\$ 600	20C19X104	\$ 480	19	G206	G205	2500	200
20A22X021	\$ 600	20A22X205	\$ 600	20C22X104	\$ 480	22	G206	G205	2000	180
20A25X021H	\$ 620	20A25X205H	\$ 620	20C25X104H	\$ 500	25	G206	G205	2500	160

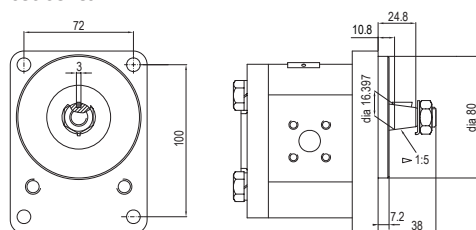
Seal Kits

Part Number	List	Description
GR205-SK	\$ 70	Seal Kit
GR205-SKV	\$ 130	Seal Kit Viton
GR205-SS	\$ 20	Shaft Seal
GR205-SSV	\$ 30	Shaft Seal Viton

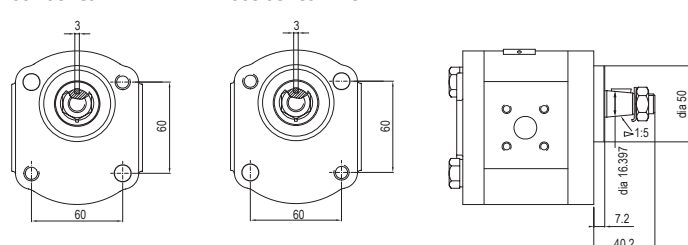
Port Adaptors and Options

Part Number	List	Description
G205	\$ 60	Port Adaptor - Alloy Elbow 4 Bolt - Mount PCD 35mm, Female 1/2" BSPP
G206	\$ 70	Port Adaptor - Alloy Elbow 4 Bolt - Mount PCD 40mm, Female 3/4" BSPP
Rotation	\$ 20	Rotation - Rotation change from standard
Modification	\$ 50	Modification - Special design charges may vary

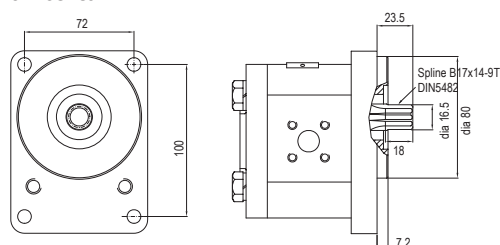
Front/Side View - German 4 Bolt, 1:5 Taper
086 Series



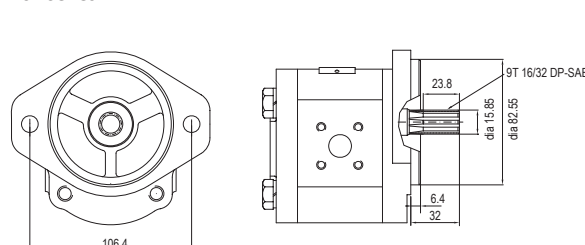
Front/Side View - German KHD or IHC 2 Bolt, 1:5 Taper
007 Series - KHD 008 Series - IHC



Front/Side View - German 4 Bolt, 16.5mm 9T Spline
021 Series



Front/Side View - SAE A 2 Bolt, 5/8 9T Spline
104 Series



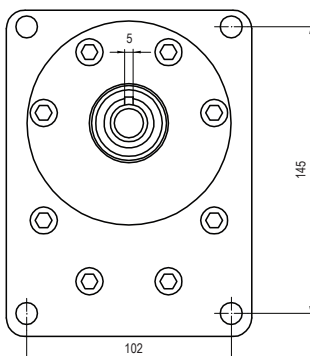


German Standard Group 3

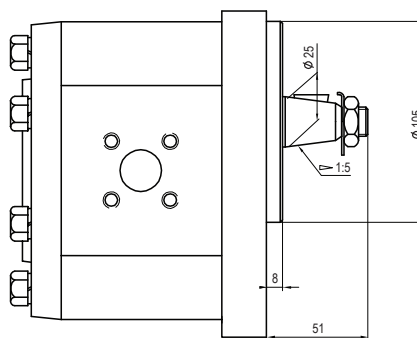
Standard : **Shaft** 1:5 Tapered, **Mount** 4 Bolt 105mm Spigot, **Rotation** L/H, **Ports** Flanged "German Design"

Part Number & Pricing		Specifications					
Part Number	List Price	CC/Rev	Ports - Flanged		Speed Max Cont - RPM	Pressure Max Cont - Bar	Weight Kg
			Suction	Pressure			
30A25X337H	\$ 910	25	G206	G206	3000	250	9.4
30A32X337H	\$ 920	32	G207	G207	3000	250	10
30A36X337H	\$ 940	36	G207	G207	2800	250	10.3
30A42X337H	\$ 950	42	G207	G207	2500	230	10.5
30A46X337H	\$ 960	46	G207	G207	2300	230	10.8
30A50X337H	\$ 970	50	G207	G207	2100	200	11

Front View - German 4 Bolt, 1:5 Tapered
337 Series



Side View - German 4 Bolt, 1:5 Tapered, Flanged
337 Series

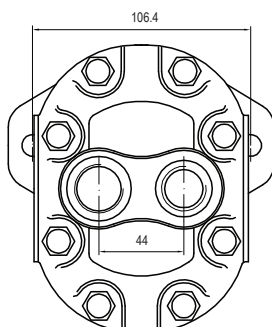


Special Design GROUP 3, "SAE A" MOUNTING

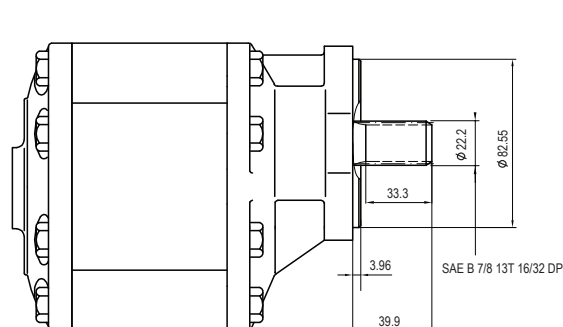
Standard : **Shaft** 7/8" 13T Splined, **Mount** SAE A 2 Bolt 82.55mm Spigot, **Rotation** R/H, **Ports** BSPP

Part Number & Pricing		Specifications					
Part Number	List Price	CC/Rev	Ports - BSPP		Speed Max Cont - RPM	Pressure Max Cont - Bar	Weight Kg
			Suction	Pressure			
30C32X263W	\$ 930	32	1"	3/4"	2500	200	5.9
30C36X263W	\$ 940	36	1"	3/4"	2500	190	6.1
30C42X263W	\$ 960	42	1"	3/4"	2300	190	6.5
30C46X263WH	\$ 980	46	1"	3/4"	2300	175	6.7
30C50X263WH	\$ 1000	50	1"	3/4"	2100	175	6.9
30C55X263WH	\$ 1020	55	1"	3/4"	1750	175	7

Rear View - SAE A 2 Bolt, 7/8" 13T Splined, BSPP
263W Series



Side View - SAE A 2 Bolt, 7/8" 13T Splined
263W Series



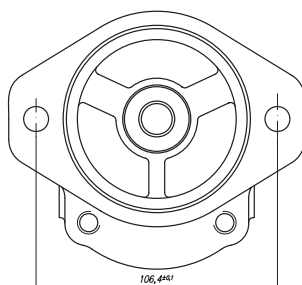


3/4" 11T Splined & 3/4" Straight Keyed

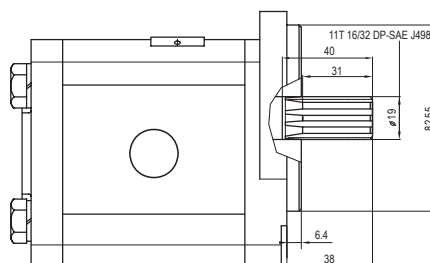
Standard : **Shaft** 3/4" Splined & Keyed, **Mount** SAE A 2 Bolt 82.55mm Spigot, **Rotation** R/H, **Ports** UNF

3/4" 11T Splined		3/4" Straight Keyed		Specifications					
Part Number	List Price	Part Number	List Price	CC/Rev	Ports - UNF		Speed Max Cont - RPM	Pressure Max Cont - Bar	Weight Kg
					Suction	Pressure			
20C14X550HDU	\$ 570	20C14X853HDU	\$ 570	14	1.1/16"	7/8"	3500	250	4.2
20C16X550HDU	\$ 570	20C16X853HDU	\$ 570	16	1.1/16"	7/8"	3500	250	4.2
20C19X550HDU	\$ 580	20C19X853HDU	\$ 580	19	1.1/16"	7/8"	3500	230	4.3
20C22X550HDU	\$ 590	20C22X853HDU	\$ 590	22	1.1/16"	7/8"	3500	200	4.5
20C25X550HDU	\$ 600	20C25X853HDU	\$ 600	25	1.1/16"	7/8"	3500	200	4.9
20C28X550HDU	\$ 650	20C28X853HDU	\$ 650	28	1.5/16"	1.1/16"	2500	170	5
20C32X550HDU	\$ 660	20C32X853HDU	\$ 660	32	1.5/16"	1.1/16"	2500	150	5.3
20C36X550HDU	\$ 670	20C36X853HDU	\$ 670	36	1.5/16"	1.1/16"	2500	120	5.4

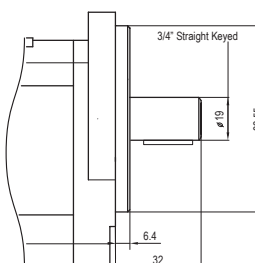
Top View - SAE A 2 Bolt, 3/4" 11T Splined
550HU Series



Side View - SAE A 2 Bolt, 3/4" 11T Splined, UNF
550HU Series



Side View - SAE A 2 Bolt, 3/4" Straight Keyed, UNF
853HU Series

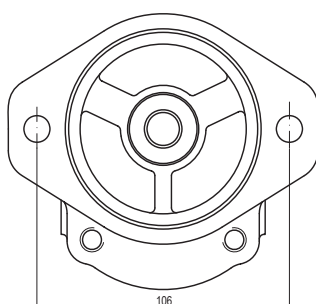


17mm 10T Splined Group 2

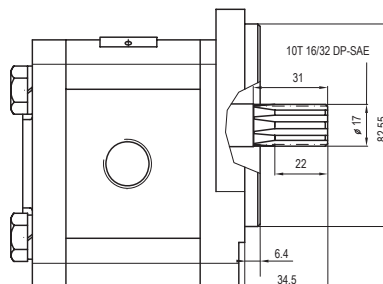
Standard : **Shaft** 17mm 10T Splined, **Mount** SAE A 2 Bolt 82.55mm Spigot, **Rotation** R/H, **Ports** BSPP

Part Number & Pricing		Specifications					
Part Number	List Price	CC/Rev	Ports - BSPP		Speed Max Cont - RPM	Pressure Max Cont - Bar	Weight Kg
			Suction	Pressure			
20C8.2X554G	\$ 550	8.2	1/2"	1/2"	3500	250	3.5
20C11X554G	\$ 560	11.3	3/4"	1/2"	3500	250	3.7
20C14X554G	\$ 570	14	3/4"	1/2"	3500	250	3.8
20C16X554G	\$ 570	16	3/4"	1/2"	2500	250	3.9
20C19X554G	\$ 580	19	3/4"	1/2"	2500	200	4
20C22X554G	\$ 590	22	3/4"	1/2"	2000	180	4.2
20C25X554HG	\$ 600	25	3/4"	1/2"	2500	160	4.6
20C28X554HG	\$ 650	28	1"	3/4"	2500	130	4.7
20C32X554HG	\$ 660	32	1"	3/4"	2000	120	5

Top View - SAE A 2 Bolt, 17mm 10T Splined
554G Series

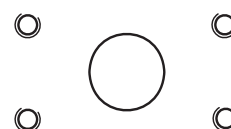


Side View - SAE A 2 Bolt, 17mm 10T Splined, BSPP
554G Series



Option - SAE Ports avail in limited sizes
464 Series

Add \$ 80



Seal Kit Part Number - GR205-SK - List \$70

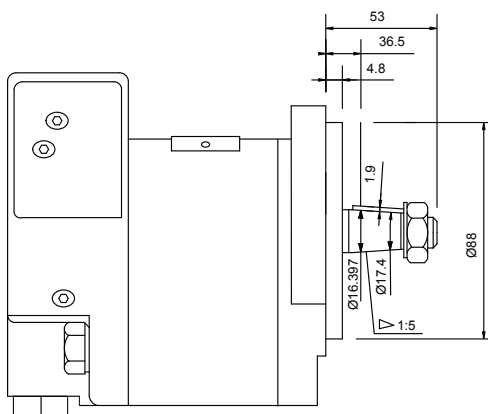


Pumps with Priority Group 2 "JOHN DEERE"

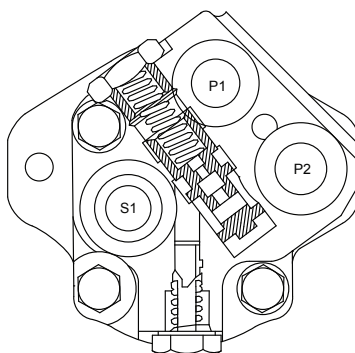
Standard : **Shaft** Extended 1:5 Tapered, **Mount** SAE A 2 Bolt 82.55mm Spigot, **Rotation** L/H, **Rear Ports** BSPP/UNF

Part Number & Pricing		Specifications							
Part Number	List Price	CC/Rev	Ports			Speed Max Cont RPM	Priority Flow LPM	Set Pressure Bar	Weight Kg
			S1 - Suction BSPP	P1 - Priority UNF	P2 - Rest UNF				
20CA16X410N	\$ 770	16	3/4"	3/4"	7/8"	2500	12	100	5.5

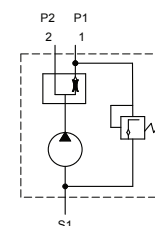
Side View - SAE A 2 Bolt, 1:5 Taper 410 Series



Rear View - Priority SAE A 2 Bolt 410 Series



Schematic

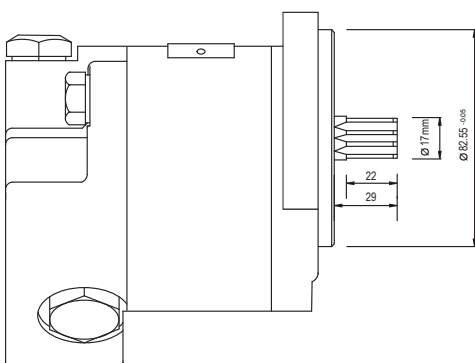


Pumps with Priority Group 2 "NISSAN"

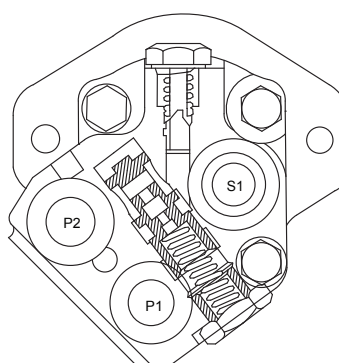
Standard : **Shaft** 17mm 10T Splined, **Mount** SAE 2 Bolt A 82.55mm Spigot, **Rotation** R/H, **Rear Ports** BSPP/UNF

Part Number & Pricing		Specifications							
Part Number	List Price	CC/Rev	Ports			Speed Max Cont RPM	Priority Flow LPM	Set Pressure Bar	Weight Kg
			S1 - Suction BSPP	P1 - Priority UNF	P2 - Rest UNF				
20C25X512N	\$ 790	25	3/4"	3/4"	7/8"	2500	12	125	5.9

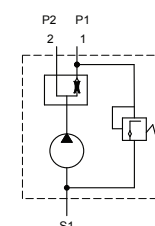
Side View - SAE A 2 Bolt, 17mm 10T 512 Series



Rear View - Priority SAE A 2 Bolt 512 Series



Schematic

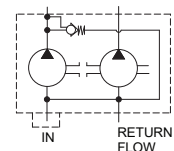
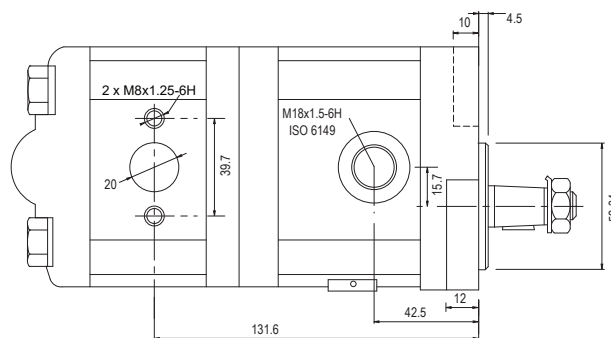
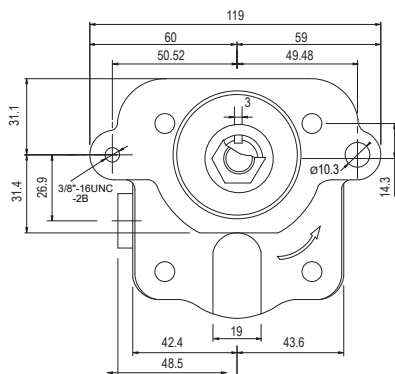




Massey Ferguson 300 Series Pump

Standard : **Shaft** 1:8 Tapered, **Mount** 2 Bolt 52.34mm Spigot, **Rotation** L/H, **Ports** METRIC

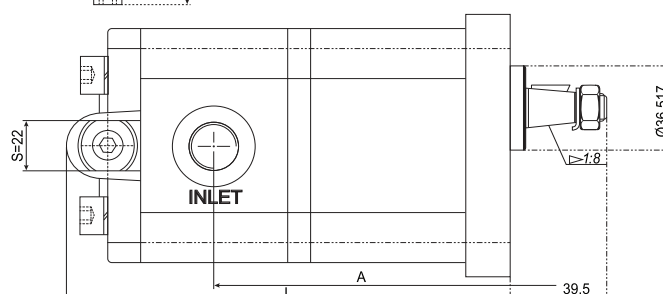
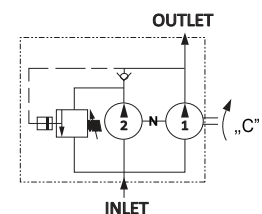
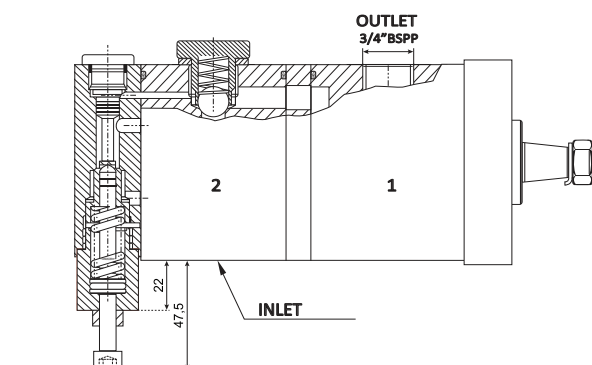
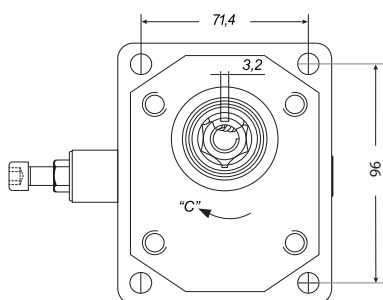
Part Number & Pricing		Specifications					
Part Number	List Price	CC/Rev	Ports		Speed Max Cont RPM	Pressure Max Cont Bar	Weight Kg
			# Rear Pump Suction uses Flange 37.9 BC				
			Suction	Pressure			
22A11/8.2X349	\$ 1020	11 / 8.2	M18	M18	4000	200	8



Log Splitter Pump "Hi-Lo Design"

Standard : **Shaft** 1:8 Tapered, **Mount** 4 Bolt 36.5mm Spigot, **Rotation** R/H, **Ports** BSPP

Part Number & Pricing		Specifications								
Part Number	List Price	CC/Rev		Pressure Max Cont Bar		Speed Max Cont RPM	Dimension L MM	Dimension A MM	Ports BSPP	
		1	2	1	2				Inlet	Outlet
22C4.5/11X956GHL	1080	4.5	11	250	50	3500	165.54	105	3/4"	3/4"
22C8.2/14X956GHL	1100	8.2	14	250	50	3500	175.79	113.1	3/4"	3/4"
22C10/19X956GHL	1100	10	19	250	50	3500	186.91	120.2	1"	3/4"
22C15/25X956GHL	\$ 1120	15	25	250	50	2500	204.8	133.1	1"	3/4"





Multiple Gear Pumps Group 1

Base Pricing Table - **Shaft** 1:8 Tapered, **Mount** Euro 4 Bolt, **Ports** BSPP

Displacement	Front Pump	Middle Pump	Rear Pump
cc/Rev	List Price	List Price	List Price
1	\$ 440	\$ 440	\$ 320
1.25	\$ 440	\$ 440	\$ 320
1.6	\$ 450	\$ 450	\$ 320
2	\$ 460	\$ 460	\$ 320
2.5	\$ 470	\$ 470	\$ 330
3.15	\$ 480	\$ 480	\$ 330
3.65	\$ 490	\$ 490	\$ 340
4.2	\$ 510	\$ 510	\$ 340
5	\$ 520	\$ 520	\$ 340
5.7	\$ 530	\$ 530	\$ 350
6.1	\$ 550	\$ 550	\$ 350

GROUP OPTION 1	ROTATION OPTION 2	DISPLACEMENT CC OPTION 3	DESIGN CODE OPTION 4
OPTION 1 – GROUP	OPTION 2 – ROTATION	OPTION 3 – DISPLACEMENT	OPTION 4 – DESIGN CODE
Code Description	Code Description	Code	Go to table below: OPTION 4 - DESIGN CODE to complete code
11 GROUP 1+1	C CLOCKWISE	1 2.5 5	Triple Pump Example
111 GROUP 1+1+1	A ANTI-CLOCKWISE	1.25 3.15 5.7	111CS.7X181G/2.5X303G/1.25X182G
Note. only used on front pump code	Note. only used in front pump code	1.6 3.65 6.1	1:8 Taper, 4 Bolt Euro, BSPP Threaded
		2 4.2	

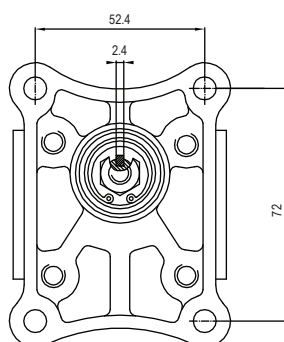
OPTION 4 - DESIGN CODE

Design Codes for - Group 1 + Group 1 + Group 1			Front	Middle	Rear
Shafts	Mounting	Ports	Code	Code	Code
1:8 Tapered	4 Bolt Euro	BSPP Threaded ports	181G	303G	182G
1:8 Tapered	4 Bolt Euro	Flanged ports - Square pattern	174	303	175

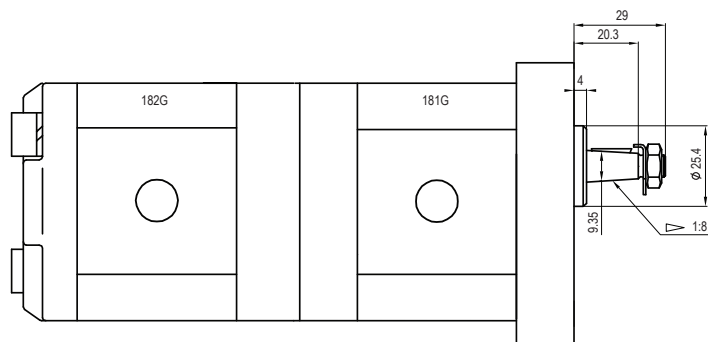
Seal Kit and Options

Part Number	List Price	Description
GR105-SK	\$ 40	Seal Kit - Includes all seals for a single group 1 section of a multiple pump, one kit per section required
Rotation	\$ 20	Rotation - Rotation change from standard, per pump
Modification	\$ 50	Modification - Special design charges may vary

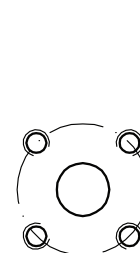
Front View - Euro 4 Bolt, 1:8 Taper



Side View - Euro 4 Bolt, 1:8 Taper, BSPP
181G / 182G Series



Flanged Port Option
174 / 175 Series





Multiple Gear Pumps Group 2

Base Pricing Table - **Shaft** 1:8 Tapered, **Mount** Euro 4 Bolt, **Ports** BSPP

Displacement		Front Pump		Middle Pump		Rear Pump	
GP2 - cc/REV	GP1 - cc/REV	GP2 Only List Price		GP2 List Price	GP1 List Price	GP2 List Price	GP1 List Price
4.5	1	\$ 490		\$ 490	\$ 440	\$ 430	\$ 320
6.3	1.25	\$ 520		\$ 520	\$ 440	\$ 430	\$ 320
8.2	1.6	\$ 540		\$ 540	\$ 450	\$ 430	\$ 320
11	2	\$ 570		\$ 570	\$ 460	\$ 430	\$ 320
14	2.5	\$ 590		\$ 590	\$ 470	\$ 440	\$ 330
16	3.15	\$ 620		\$ 620	\$ 480	\$ 440	\$ 330
19	3.65	\$ 630		\$ 630	\$ 490	\$ 450	\$ 340
22	4.2	\$ 650		\$ 650	\$ 510	\$ 450	\$ 340
25	5	\$ 670		\$ 670	\$ 520	\$ 470	\$ 340
	5.7				\$ 530		\$ 350
	6.1				\$ 550		\$ 350

GROUP OPTION 1		ROTATION OPTION 2		DISPLACEMENT CC OPTION 3		DESIGN CODE OPTION 4	
OPTION 1 – GROUP		OPTION 2 – ROTATION		OPTION 3 – DISPLACEMENT		OPTION 4 – DESIGN CODE	
Code	Description	Code	Description	Group 2	Group 1	Go to table below: OPTION 4 - DESIGN CODE to complete code	
21	GROUP 2+1	C	CLOCKWISE	4.5	1	Triple & Double Pump Examples Part. 222C16X167G / 11X156G / 8.2X110G 222, 5/8" 9T Spline, SAE A 2 Bolt, R/H, BSPP Part. 21C8.2X141G / 2.5X142G 21, 1:8 Taper, 4 Bolt Euro, R/H, BSPP	
22	GROUP 2+2	A	ANTI-CLOCKWISE	6.3	1.25		
211	GROUP 2+1+1	Note. only used in front pump code		8.2	1.6		
221	GROUP 2+2+1			11.3	2		
222	GROUP 2+2+2			14	2.5		
Note. only used on front pump code				16	3.15		
				19	3.65		
				22	4.2		
				25	5		
				-	5.7		
				-	6.1		

OPTION 4 - DESIGN CODE

Design Codes for - Group 2 + Group 1			Front		Middle	Rear
Shafts	Mounting Flanges	Ports	Code	Add	Code	Code
1:8 Tapered	4 Bolt Euro	BSPP Threaded ports	141G	-	178G	142G
1:8 Tapered	4 Bolt Euro	Flanged ports - Diamond pattern	168	-	178	179

Design Codes for - Group 2 + Group 2 + Group 2			Front		Middle	Rear
Shafts	Mounting Flanges	Ports	Code	Add	Code	Code
1:8 Tapered	4 Bolt Euro	BSPP Threaded ports	111G	-	156G	110G
1:8 Tapered	4 Bolt Euro	Flanged ports - Diamond pattern	067	\$ 210	156	066
1:8 Tapered	4 Bolt Euro	Single suction in second pump, 3/4" BSPP Threaded	-	-	-	723GF
1:8 Tapered	4 Bolt Euro	Single suction in first pump, 3/4" BSPP Threaded	638G2F	-	-	639G2
1:8 Tapered	4 Bolt Euro	Single suction in first pump, 1" BSPP Threaded	638G112F	-	-	639G2
1:5 Tapered	4 Bolt German	Flanged German ports - Square pattern	158	\$ 120	156B	161
1:5 Tapered	2 Bolt German KHD	Flanged German ports - Square pattern	095	\$ 130	156B	097
1:5 Tapered	4 Bolt German	Single suction in first pump, German flanged ports	-	\$ 120	-	280S
16.5mm 9T Splined	4 Bolt German	Flanged German ports - Square pattern	124	\$ 130	156B	077
16.5mm 9T Splined	2 Bolt German KHD	Flanged German ports - Square pattern	096	\$ 140	156B	097
5/8" Keyed	2 Bolt SAE A	BSPP Threaded ports	457G	\$ 110	156G	110G
5/8" 9T Splined	2 Bolt SAE A	BSPP Threaded ports	167G	\$ 110	156G	110G
5/8" 9T Splined	2 Bolt SAE A	Flanged German ports - Square pattern	468	\$ 110	156B	077
17mm 10T Splined	2 Bolt SAE A	BSPP Threaded ports	574G	\$ 120	156G	110G
17mm 15T Splined	4 Bolt German	Flanged German ports - Square pattern	259	\$ 140	156B	097
3/4" 11T Splined	2 Bolt SAE A	UNO Threaded ports	656DU	\$ 160	-	110U

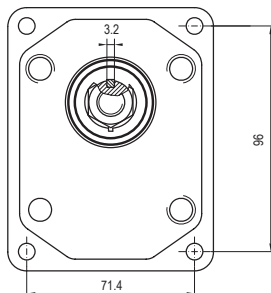
Seal Kits and Options

Part Number	List Price	Description
GR205F-SK	\$ 70	Seal Kit - Includes all seals for a group 2 front pump
GR205M-SK	\$ 60	Seal Kit - Includes all seals for a group 2 middle pump that is being used in a group 2+2+2 arrangement
GR205R-SK	\$ 60	Seal Kit - Includes all seals for a group 2 rear pump that is being used in a group 2+2 or 2+2+2 arrangement
GR205FHU-SK	\$ 90	Seal Kit - Series '656DU' only, Includes all seals for the front pump section, the rear pump will require kit GR205R-SK listed above
GR105-SK	\$ 40	Seal Kit - Includes all seals for a group 1 rear section that is being used in a group 2+1 arrangement
Rotation	\$ 20	Rotation - Rotation change from standard, per pump
Modification	\$ 50	Modification - Special design charges may vary

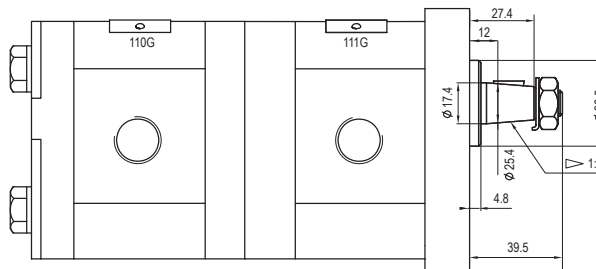


Multiple Gear Pumps Group 2

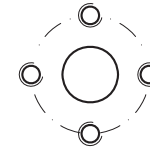
Front View - Euro 4 Bolt, Tapered



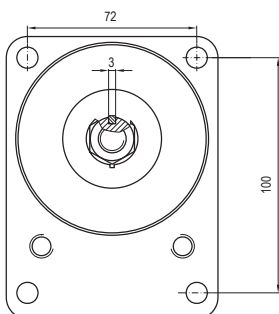
**Side View - Euro 4 Bolt, 1:8 Tapered, BSPP
111G / 110G Series**



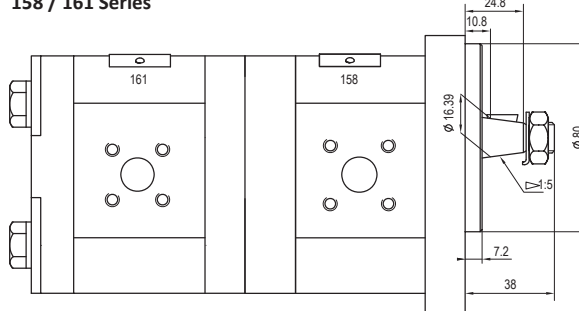
**Flange Port Option
067 / 066 Series**



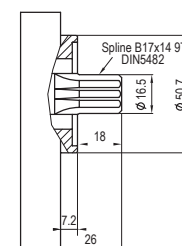
Front View - German 4 Bolt, Tapered



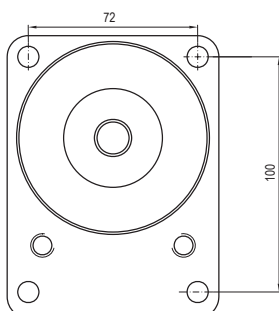
**Side View - German 4 Bolt, 1:5 Tapered, Flanged
158 / 161 Series**



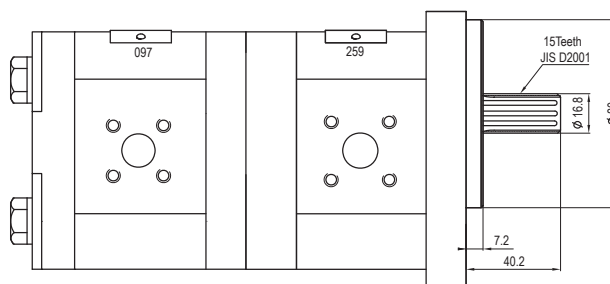
**Option - KHD 2 Bolt
16.5mm 9T Splined
096 Series**



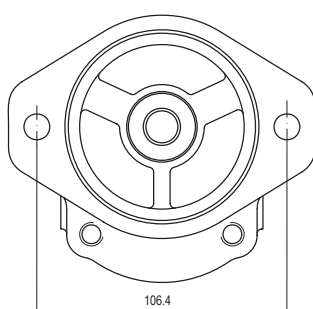
Front View - German 4 Bolt, Splined



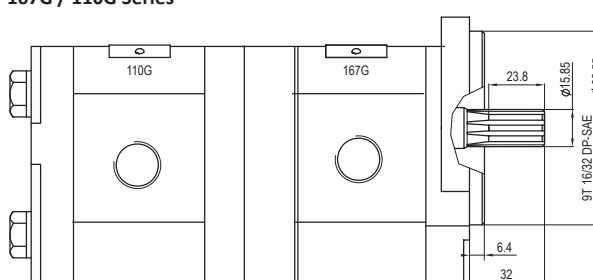
**Side View - German 4 Bolt, 17mm 15T Splined, Flanged
259 / 097 Series**



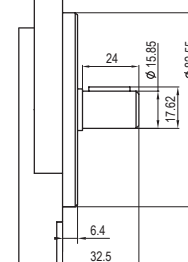
Front View - SAE A 2 Bolt, Splined



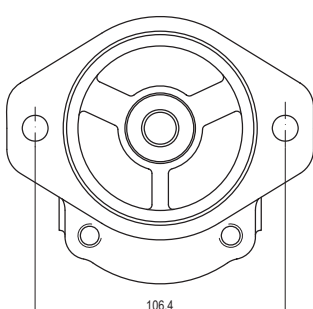
**Side View - SAE A 2 Bolt, 5/8" 9T Splined, BSPP
167G / 110G Series**



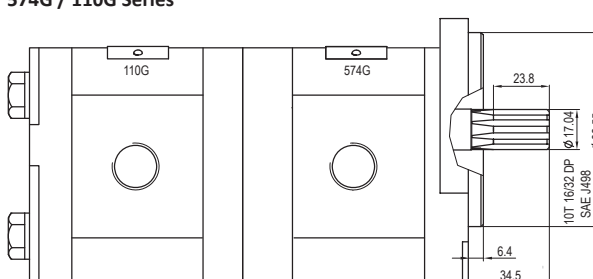
**Option - 5/8" Keyed
457G Series**



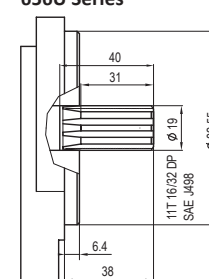
Front View - SAE A 2 Bolt, Splined



**Side View - SAE A 2 Bolt, 17mm 10T Splined, BSPP
574G / 110G Series**



**Option - 3/4" 11T Splined
656U Series**





Multiple Gear Pumps Group 3

Base Pricing Table - Shaft 1:8 Tapered, Mount Euro 4 Bolt, Ports BSPP

Displacement		Front Pump	Middle Pump		Rear Pump	
GP3 - cc/Rev	GP2 - cc/Rev	GP3 List Price	GP3 List Price	GP2 List Price	GP3 List Price	GP2 List Price
20	4.5	\$ 990	\$ 990	\$ 490	\$ 720	\$ 430
25	6.3	\$ 1030	\$ 1030	\$ 520	\$ 730	\$ 430
32	8.2	\$ 1050	\$ 1050	\$ 540	\$ 770	\$ 430
36	11	\$ 1090	\$ 1090	\$ 570	\$ 780	\$ 430
42	14	\$ 1140	\$ 1140	\$ 590	\$ 800	\$ 440
46	16	\$ 1180	\$ 1180	\$ 620	\$ 810	\$ 440
50	19	\$ 1230	\$ 1230	\$ 630	\$ 820	\$ 460
55	22	\$ 1270	\$ 1270	\$ 650	\$ 840	\$ 460
60	25	\$ 1320	\$ 1320	\$ 670	\$ 860	\$ 470

GROUP
OPTION 1

OPTION 1 – COMBINATIONS

Code	Description
32	GROUP 3+2
33	GROUP 3+3
322	GROUP 3+2+2
333	GROUP 3+3+3

Note. only used in front pump code

ROTATION
OPTION 2

OPTION 2 – ROTATION

Code	Description
C	CLOCKWISE
A	ANTI-CLOCKWISE

Note. only used in front pump code

DISPLACEMENT CC
OPTION 3

OPTION 3 – DISPLACEMENT

Group 3	Group 2
20	4.5
25	6.3
32	8.2
36	11
42	14
46	16
50	19
55	22
60	25

X

DESIGN CODE
OPTION 4

OPTION 4 – DESIGN CODE

Go to table below: OPTION 4 - DESIGN CODE to complete code

Triple Pump Example

333C55X241HG/42X324HG/25X242HG

1:8 Taper, 4 Bolt Euro, BSPP Threaded

OPTION 4 - DESIGN CODE

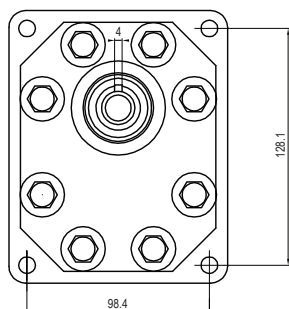
Design Codes for - Group 3 + Group 3 + Group 2			Front		Middle	Rear
Shafts	Mounting Flanges	Ports	Code	Add	Code	Code
1:8 Tapered	4 Bolt Euro	BSPP Threaded ports	198G	-	325HG	201G
7/8" 13T Splined	2 Bolt SAE B	BSPP Threaded ports	245HG	\$ 190	325HG	201G

Design Codes for - Group 3 + Group 3 + Group 3			Front		Middle	Rear
Shafts	Mounting Flanges	Ports	Code	Add	Code	Code
1:8 Tapered	4 Bolt Euro	BSPP Threaded ports	241HG	-	324HG	242HG
7/8" Keyed	2 Bolt SAE B	BSPP Threaded ports	345HG	\$ 190	324HG	242HG
7/8" 13T Splined	2 Bolt SAE B	BSPP Threaded ports	309HG	\$ 190	324HG	242HG

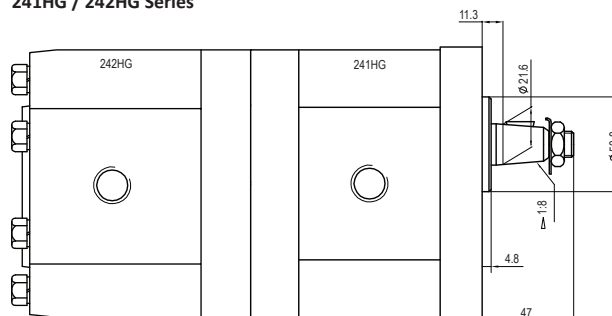
Seal Kits and Options

Part Number	List Price	Description
GR305F-SKH	\$ 120	Seal Kit - Includes all seals for a group 3 front pump
GR305MR-SKH	\$ 90	Seal Kit - Includes all seals for a group 3 middle or rear pump
GR205R-SK	\$ 50	Seal Kit - Includes all seals for a group 2 rear pump that is being used in a group 3+2 arrangement
Rotation	\$ 20	Rotation - Rotation change from standard, per pump

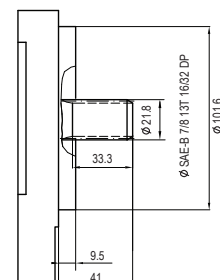
Front View - Euro 4 Bolt, 1:8 Tapered



Side View - Euro 4 Bolt, 1:8 Tapered, BSPP
241HG / 242HG Series



Option - SAE B 2 Bolt
7/8" 13T Splined
309HG Series





European Standard Group 1

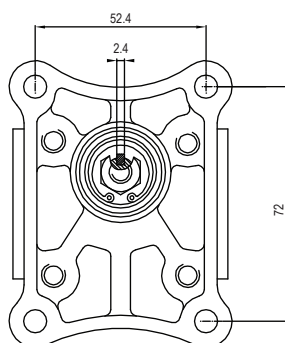
Standard : **Motor** Bi-Rotational, **Shaft** 1:8 Tapered, **Mount** 4 Bolt 25.4mm Spigot, **Ports** BSPP

Part Number & Pricing		Specifications						
Part Number	List Price	CC/Rev	Ports - BSPP			Speed Max Cont RPM	Pressure Max Cont Bar	Weight Kg
			Inlet	Outlet	Case			
10MR1.6X563G	\$ 370	1.6	3/8"	3/8"	1/4"	3500	210	1
10MR2X563G	\$ 370	2	3/8"	3/8"	1/4"	3500	210	1
10MR2.5X563G	\$ 370	2.5	3/8"	3/8"	1/4"	3500	210	1.1
10MR3.15X563G	\$ 370	3.15	1/2"	1/2"	1/4"	3500	210	1.1
10MR3.65X563G	\$ 380	3.65	1/2"	1/2"	1/4"	3500	210	1.2
10MR4.2X563G	\$ 380	4.2	1/2"	1/2"	1/4"	3500	210	1.2
10MR5X563G	\$ 380	5	1/2"	1/2"	1/4"	3500	210	1.2
10MR5.7X563G	\$ 390	5.7	1/2"	1/2"	1/4"	3000	200	1.3
10MR6.1X563G	\$ 390	6.1	1/2"	1/2"	1/4"	3000	200	1.3
10MR7.4X563G	\$ 400	7.4	1/2"	1/2"	1/4"	2500	180	1.4
10MR8.5X563G	\$ 400	8.5	1/2"	1/2"	1/4"	2500	150	1.5
10MR9.8X563G	\$ 420	9.8	1/2"	1/2"	1/4"	2000	120	1.5

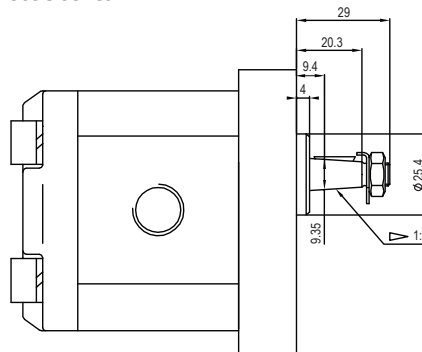
Seal Kits and Options

Part Number	List Price	Description
GM1-SKV	\$ 50	Seal Kit Viton Shaft Seal - Includes all seals for group 1 motors
GM1-SKT	\$ 70	Seal Kit High Pressure - Includes all seals for group 1 motors, 30 Bar shaft seal rating
GM1-SSV	\$ 20	Shaft Seal Viton - Shaft seal only, suitable for group 1 motors
GM1-SST	\$ 30	Shaft Seal High Pressure - Shaft seal only, suitable for group 1 motors, 30 Bar shaft seal rating
Modification	\$ 50	Modification - Special design charges may vary

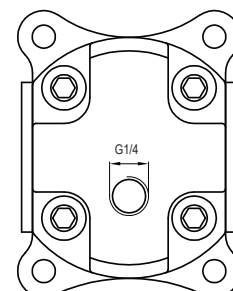
Front View - Euro 4 Bolt, 1:8 Tapered 563G Series



Side View - Euro 4 Bolt, 1:8 Tapered, BSPP 563G Series



Rear View - With Case Drain



Drain Connection (Pdrain 0.5 bar)
Always connect directly to tank



European & American Standard Group 2

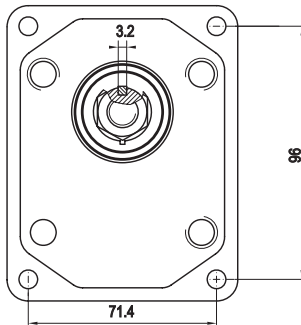
Standard : **Motor** Bi-Rotational, **Ports** BSPP

1:8 Taper Shaft 4 Bolt Euro Mount		5/8" Keyed Shaft SAE A 2 Bolt Mount		5/8" 9T Splined Shaft SAE A 2 Bolt Mount		Specifications						
Part Number	List Price	Part Number	List Price	Part Number	List Price	CC	Ports - BSPP			Speed Max Cont RPM	Pressure Max Cont Bar	Weight Kg
							Inlet	Outlet	Case			
20MR4.5X543GT	\$ 550	20MR4.5X553GT	\$ 550	20MR4.5X073GT	\$ 550	4.5	1/2"	1/2"	1/4"	3500	200	3.3
20MR6.3X543GT	\$ 550	20MR6.3X553GT	\$ 550	20MR6.3X073GT	\$ 550	6.3	1/2"	1/2"	1/4"	3500	200	3.4
20MR8.2X543GT	\$ 560	20MR8.2X553GT	\$ 560	20MR8.2X073GT	\$ 560	8.2	1/2"	1/2"	1/4"	3500	200	3.5
20MR11X543GT	\$ 560	20MR11X553GT	\$ 560	20MR11X073GT	\$ 560	11.3	3/4"	3/4"	1/4"	3500	200	3.6
20MR14X543GT	\$ 570	20MR14X553GT	\$ 570	20MR14X073GT	\$ 570	14	3/4"	3/4"	1/4"	3500	200	3.7
20MR16X543GT	\$ 570	20MR16X553GT	\$ 570	20MR16X073GT	\$ 570	16	3/4"	3/4"	1/4"	3500	200	3.8
20MR19X543GT	\$ 580	20MR19X553GT	\$ 580	20MR19X073GT	\$ 580	19	3/4"	3/4"	1/4"	2500	180	4
20MR22X543GT	\$ 580	20MR22X553GT	\$ 580	20MR22X073GT	\$ 580	22	3/4"	3/4"	1/4"	2500	180	4.1
20MR25X543GT	\$ 620	20MR25X553GT	\$ 620	20MR25X073GT	\$ 620	25	3/4"	3/4"	1/4"	2000	160	4.5
20MR28X543HGT	\$ 650	20MR28X553GHT	\$ 650	20MR28X073HGT	\$ 650	28	3/4"	3/4"	1/4"	2000	130	4.6

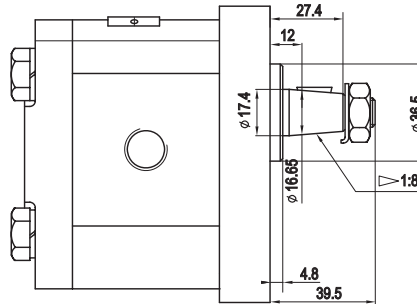
Seal Kits and Options

Part Number	List Price	Description
GM2-SKV	\$ 70	Seal Kit with Viton Shaft Seal - Includes all seals for group 2 motors
GM2-SKT	\$ 100	Seal Kit High Pressure - Includes all seals for group 2 motors, 30 Bar shaft seal rating
GM2-SSV	\$ 30	Shaft Seal Viton - Shaft seal only, suitable for group 2 motors
GM2-SST	\$ 40	Shaft Seal High Pressure - Shaft seal only, suitable for group 2 motors, 30 Bar shaft seal rating
1:5 Tapered Shaft	\$ 60	Shaft Option - Call office for part number and availability
4 Bolt Mount - 80mm Spigot	\$ 70	Mount Option - Call office for part number and availability
Modification	\$ 50	Modification - Special design charges may vary

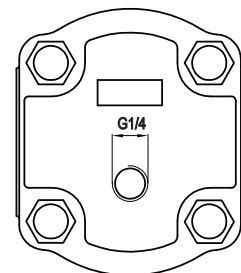
Front View - Euro 4 Bolt, 1:8 Tapered
543G Series



Side View - Euro 4 Bolt, 1:8 Tapered, BSPP
543G Series

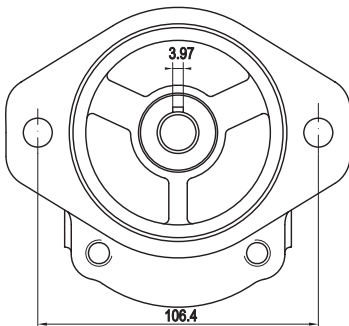


Rear View - With Drain Connection
Represents all Group 2 Motors

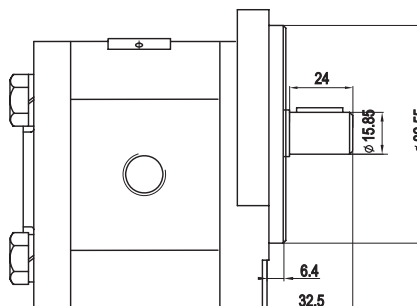


Drain Connection (Pdrain 0.5 bar)
Always connect directly to tank

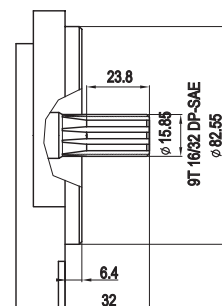
Front View - SAE A 2 Bolt, 5/8 Keyed
553G Series



Side View - SAE A 2 Bolt, 5/8 Keyed, BSPP
553G Series



Option - 5/8" 9T Splined
073G/9T Series





European & American Standard Group 3

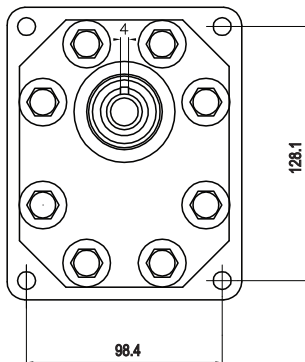
Standard : **Motor** Bi-Rotational, **Ports** BSPP

1:8 Taper Shaft 4 Bolt Euro Mount		7/8" Keyed Shaft SAE B 2 Bolt Mount		7/8" 13T Splined Shaft SAE B 2 Bolt Mount		Specifications						
Part Number	List Price	Part Number	List Price	Part Number	List Price	CC	Ports - BSPP			Speed Max Cont RPM	Pressure Max Cont Bar	Weight Kg
							Inlet	Outlet	Case			
30MR20X568HGT	\$ 900	30MR20X237HGT	\$ 1000	30MR20X236HGT	\$ 1000	20	3/4"	3/4"	1/4"	2500	200	8.3
30MR25X568HGT	\$ 920	30MR25X237HGT	\$ 1020	30MR25X236HGT	\$ 1020	25	3/4"	3/4"	1/4"	2500	200	8.5
30MR32X568HGT	\$ 960	30MR32X237HGT	\$ 1060	30MR32X236HGT	\$ 1060	32	1"	1"	1/4"	2500	200	9
30MR36X568HGT	\$ 980	30MR36X237HGT	\$ 1080	30MR36X236HGT	\$ 1080	36	1"	1"	1/4"	2300	200	9.3
30MR42X568HGT	\$ 1000	30MR42X237HGT	\$ 1100	30MR42X236HGT	\$ 1100	42	1"	1"	1/4"	2300	200	9.6
30MR46X568HGT	\$ 1010	30MR46X237HGT	\$ 1110	30MR46X236HGT	\$ 1100	46	1"	1"	1/4"	2100	200	9.8
30MR50X568HGT	\$ 1020	30MR50X237HGT	\$ 1120	30MR50X236HGT	\$ 1120	50	1"	1"	1/4"	2100	200	9.9
30MR55X568HGT	\$ 1040	30MR55X237HGT	\$ 1140	30MR55X236HGT	\$ 1140	55	1"	1"	1/4"	1750	200	10.1
30MR60X568HGT	\$ 1060	30MR60X237HGT	\$ 1160	30MR60X237HGT	\$ 1160	60	1"	1"	1/4"	1750	180	10.3

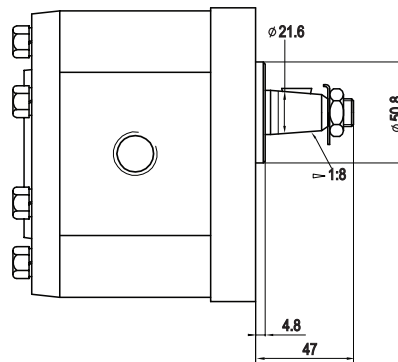
Seal Kits and Options

Part Number	List Price	Description
GM3-SKV	\$ 120	Seal Kit with Viton Shaft Seal - Includes all seals for group 3 motors
GM3-SKT	\$ 160	Seal Kit High Pressure - Includes all seals for group 3 motors, 30 Bar shaft seal rating
GM3-SSV	\$ 50	Shaft Seal Viton - Shaft seal only, suitable for group 3 motors
GM3-SST	\$ 60	Shaft Seal High Pressure - Shaft seal only, suitable for group 3 motors, 30 Bar shaft seal rating
Modification	\$ 50	Modification - Special design charges may vary

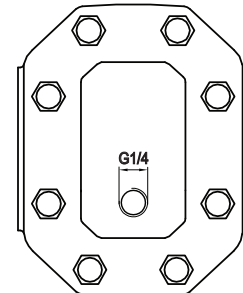
Front View - Euro 4 Bolt, 1:8 Tapered
568G Series



Side View - Euro 4 Bolt, 1:8 Tapered, BSPP
568G Series

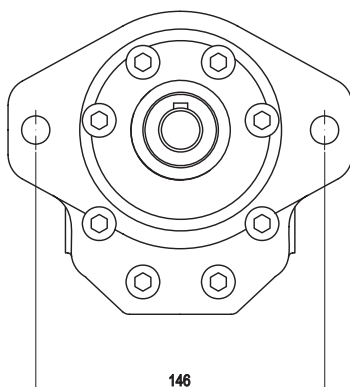


Rear View - With Drain Connection
Represents all Group 3 Motors

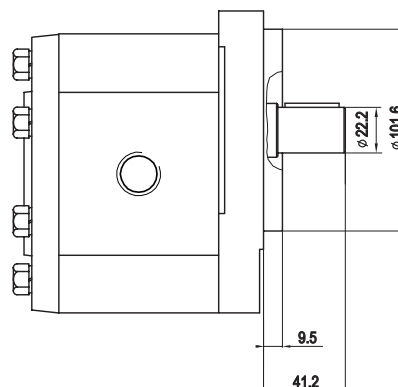


Drain Connection (Pdrain 0.5 bar)
Always connect directly to tank

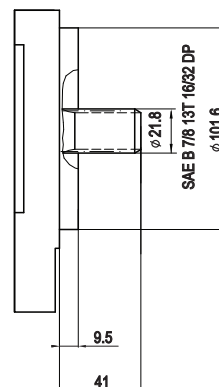
Front View - SAE B 2 Bolt, 7/8" Keyed
237G Series



Side View - SAE B 2 Bolt, 7/8" Keyed, BSPP
237G Series



Option - 7/8" 13T Splined
236G/13T Series

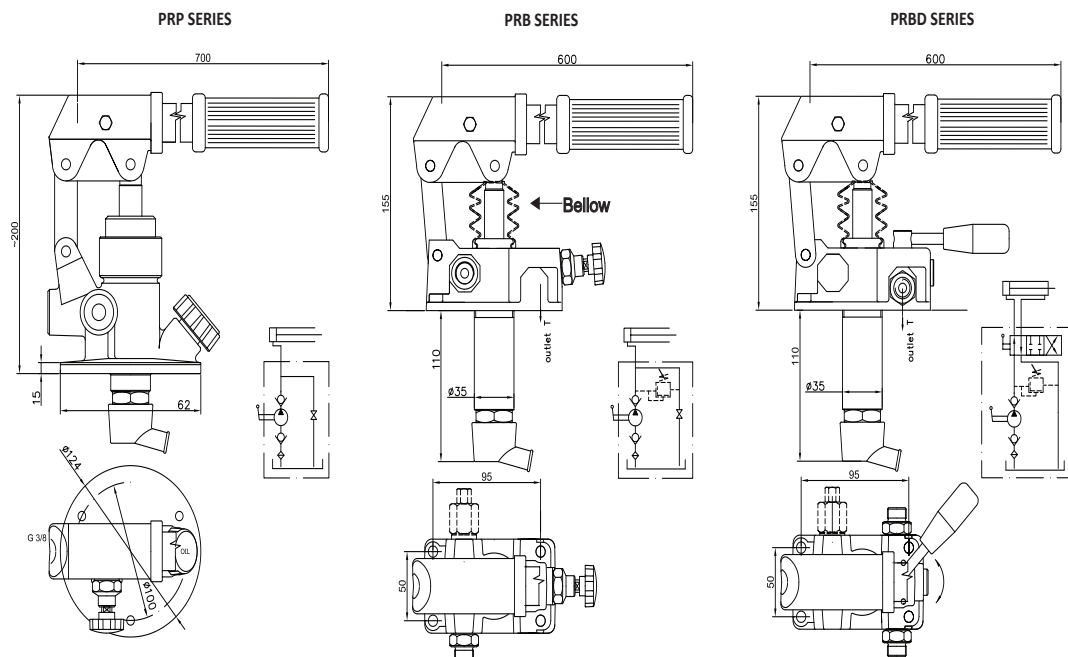




Standard : Pump Valve, **Features** Relief & Bellow, **Ports** 3/8" BSPP

Part Number & Pricing		Specifications				
Part Number	List Price	CC/Rev	Handle Function	Outlet Ports BSPP - 3/8"	Pressure Bar	Weight Kg
PRPRM 12	\$ 460	12	Single Acting	Single Outlet	300	4.6
PRBRM 12	\$ 460	12	Double Acting	Single Outlet	320	4
PRBDRM 12	\$ 470	12	Double Acting	Double Outlet	320	4
PRPRM 25	\$ 460	25	Single Acting	Single Outlet	160	4.6
PRBRM 25	\$ 460	25	Double Acting	Single Outlet	250	4.2
PRBDRM 25	\$ 470	25	Double Acting	Double Outlet	250	4.2
PRBDRM 45	\$ 530	45	Double Acting	Single Outlet	160	4.3

Tanks		
Part Number	List Price	Litres
T1	\$ 100	1
T2	\$ 110	2
T3	\$ 120	3
T5	\$ 150	5



GEAR PUMP ROTATION RH TO LH Workshop Procedure

STEP 1



STEP 2



STEP 3



STEP 4



STEP 5



STEP 6



STEP 7

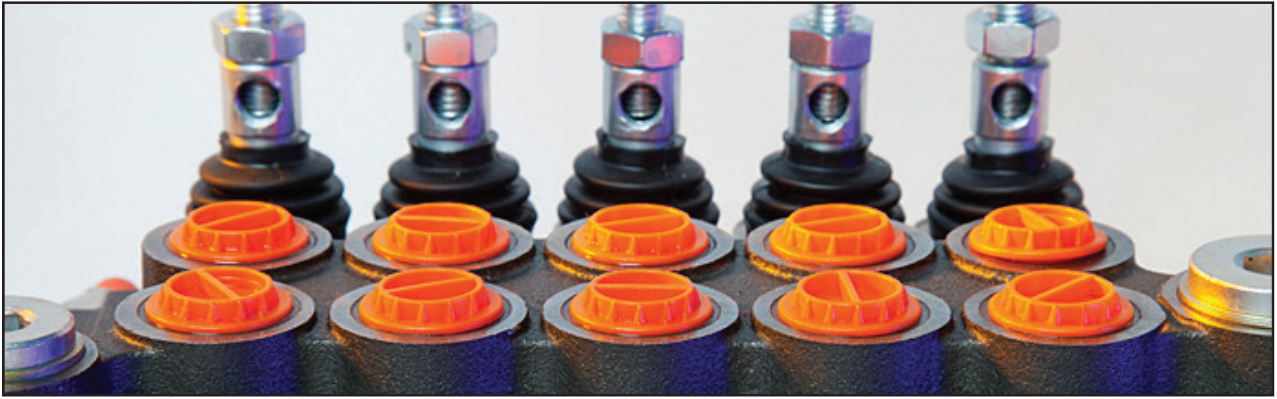


STEP 8



Note - Guide only. Please contact office for more information.

[illegible]



MOBILE VALVES

CONTENTS

MONOBLOCK VALVES

LOG SPLITTER VALVES

DIVERTER VALVES

SELECTOR VALVES

P35 Series 35LT



Standard : **Spool** Cylinder, **Spool Operation** Spring Centred, **Ports** P, T, N, 3/8" BSPP

Part Number & Pricing		Specifications						
Part Number	List Price	Handles	Flow Max LPM	Pressure - Max Cont			Mounting 2 Holes mm	Weight Kg
				P Bar	T Bar	A & B Bar		
1P35R1A1GKZ1	\$ 195	1	35	250	50	300	9	1.9

Code Builder:

HANDLE
1 only

1P35R1

SPOOL TYPE
OPTION 1

SPOOL OPERATION
OPTION 2

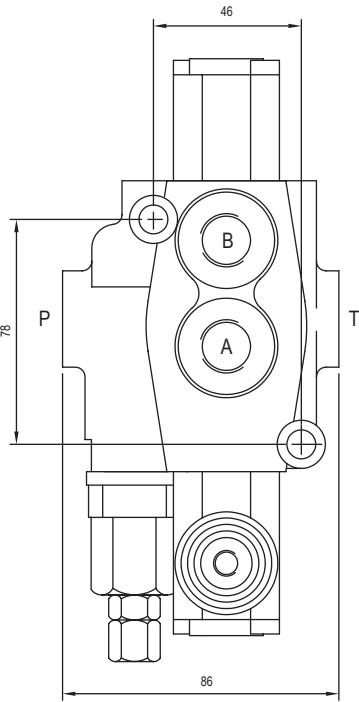
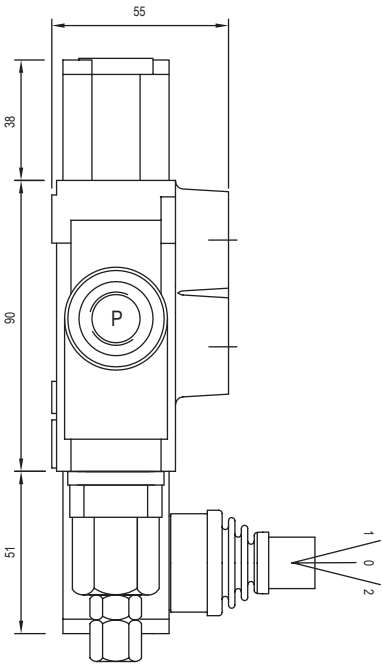
GKZ1

OPTION 1
SPOOL TYPE

Code	Description	Add
A	 Cylinder 3 Position	-
D	 Motor 3 Position	-
B	 Single Acting 2 Position	-

OPTION 2
SPOOL OPERATION

Code	Description	Add
1	Spring Return - 3 Position	-
8	Detent - 3 Position	\$ 40

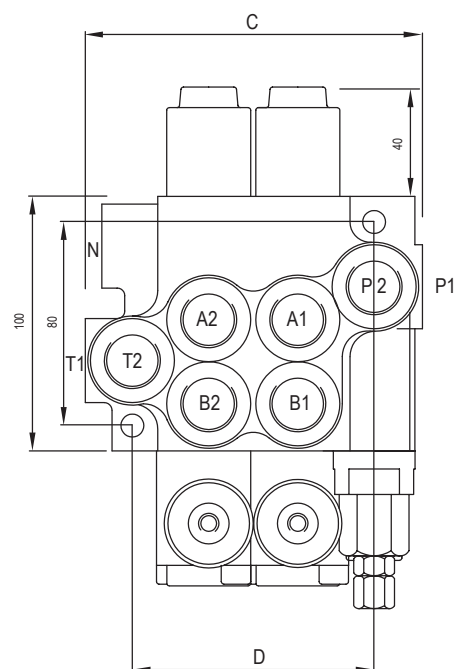
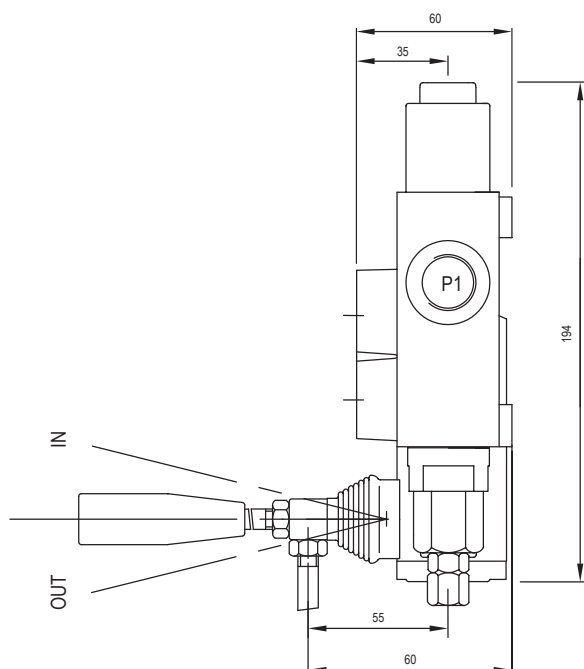




MOBILE VALVES

Part Number & Pricing		Specifications								
Part Number	List Price	Handles	Flow Max LPM	Pressure - Max Cont			Mounting 2 Hole mm	Weight Kg	Dimensions for Drawing	
				P Bar	T Bar	A & B Bar			C	D
1P40R1A1GKZ1	\$ 240	1	45	250	50	300	9	2.5	85	60
2P40R1A1GKZ1	\$ 390	2	45	250	50	300	9	4.4	129	97
3P40R1A1GKZ1	\$ 550	3	45	250	50	300	9	5.8	164	132
4P40R1A1GKZ1	\$ 690	4	45	250	50	300	9	7	199	167
5P40R1A1GKZ1	\$ 860	5	45	250	50	300	9	8.4	234	202
6P40R1A1GKZ1	\$ 1040	6	45	250	50	300	9	9.9	269	237
7P40R1A1GKZ1	\$ 1200	7	45	250	50	300	9	11.5	304	272

HANDLES 1 - 7 Avail			P40R1			SPOOL TYPE OPTION 1			SPOOL OPERATION OPTION 2			VALVE CONTROL OPTION 3			GKZ1			PLUGS OPTION 4					
OPTION 1 SPOOL TYPE						OPTION 2 SPOOL OPERATION						OPTION 3 VALVE CONTROL						OPTION 4 PLUGS					
Code	Description	Add	Code	Description	Add	Code	Description	Add	Code	Description	Add	Code	Description	Add									
A	Cylinder 3 Position	-	1	Spring Return - 3 Position	-	E	Micro Switch Kit	\$ 60	C2	Carry Beyond	\$ 20												
D	Motor 3 Position	-	8	Detent - 3 Position	\$ 40	P	Pneumatic Kit	\$ 160	C	Closed Centre	\$ 20												
B	Single Acting 2 Position	-	2	Spring Out / Detent In - 3 Position	\$ 60	JS	Joy Stick 2 Spools	\$ 230															
L	Float Spool 4 Position	\$ 150	3	Detent Out / Spring In - 3 Position	\$ 60																		
			4	Spring Return Out - 2 Position	\$ 20																		
			5	Spring Return In - 2 Position	\$ 20																		
			9	Detent In - 2 Position	\$ 40																		
			10	Detent Out - 2 Position	\$ 40																		





P80 Series 90LT

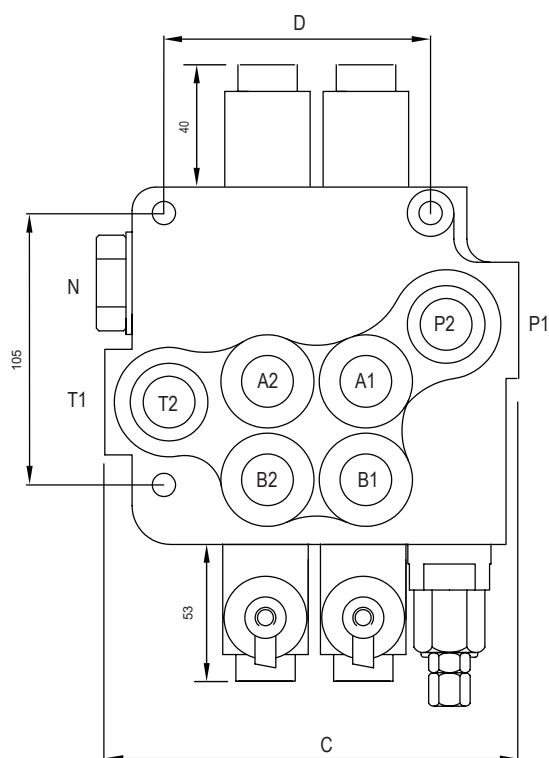
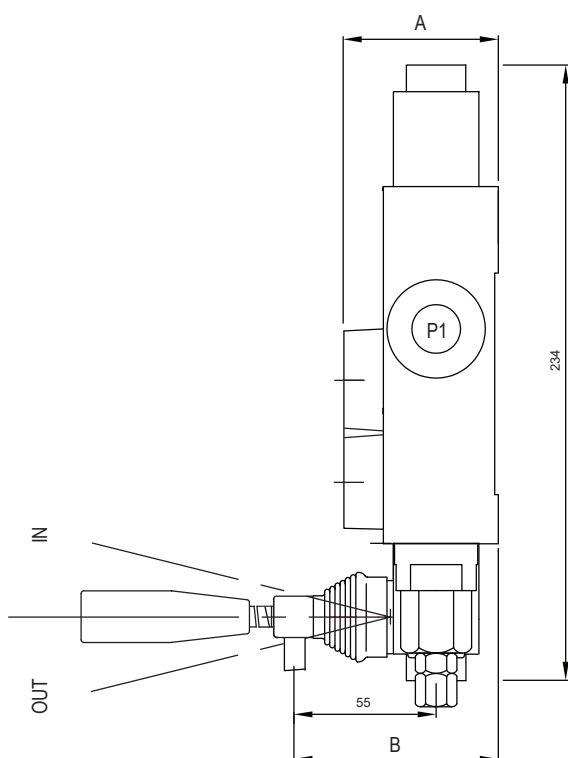
Standard : **Spool** Cylinder, **Spool Operation** Spring Centered, **Ports** P, A, B, 1/2" BSPP - T, N, 3/4" BSPP

Part Number & Pricing		Specifications										
Part Number	List Price	Handles	Flow Max LPM	Pressure - Max Cont			Mounting 3 Hole mm	Weight Kg	Dimensions for Drawing			
				P Bar	T Bar	A & B Bar			A	B	C	D
1P80R1A1GKZ1	\$ 380	1	90	250	50	300	9	3.8	65	79	107	65
2P80R1A1GKZ1	\$ 580	2	90	250	50	300	9	7.3	80	94	160	103
3P80R1A1GKZ1	\$ 780	3	90	250	50	300	9	9.5	80	94	198	141
4P80R1A1GKZ1	\$ 1020	4	90	250	50	300	9	11.6	80	94	242	179
5P80R1A1GKZ1	\$ 1270	5	90	250	50	300	9	14.2	80	94	280	217
6P80R1A1GKZ1	\$ 1450	6	90	250	50	300	9	16.4	80	94	318	255

Code Builder:

HANDLES 1 - 6 Avail	P80R1	SPOOL TYPE OPTION 1	SPOOL OPERATION OPTION 2	VALVE CONTROL OPTION 3	GKZ1	PLUGS OPTION 4
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OPTION 1 SPOOL TYPE			OPTION 2 SPOOL OPERATION			OPTION 3 VALVE CONTROL			OPTION 4 PLUGS		
Code	Description	Add	Code	Description	Add	Code	Description	Add	Code	Description	Add
A	 Cylinder 3 Position	-	1	Spring Return - 3 Position	-	E	Micro Switch Kit	\$ 60	C2	Carry Beyond	\$ 30
D	 Motor 3 Position	-	8	Detent - 3 Position	\$ 50	P	Pneumatic Kit	\$ 170	C	Closed Centre	\$ 20
B	 Single Acting 2 Position	-	2	Spring Out / Detent In - 3 Position	\$ 60	JS	Joy Stick 2 Spools	\$ 230			
L	 Float Spool 4 Position	\$150	3	Detent Out / Spring In - 3 Position	\$ 60	ES312	Solenoid 12 Volt	\$ 270			
			4	Spring Return Out - 2 Position	\$ 20	ES324	Solenoid 24 Volt	\$ 270			
			5	Spring Return In - 2 Position	\$ 20						
			9	Detent In - 2 Position	\$ 40						
			10	Detent Out - 2 Position	\$ 40						



P120 Series 150LT

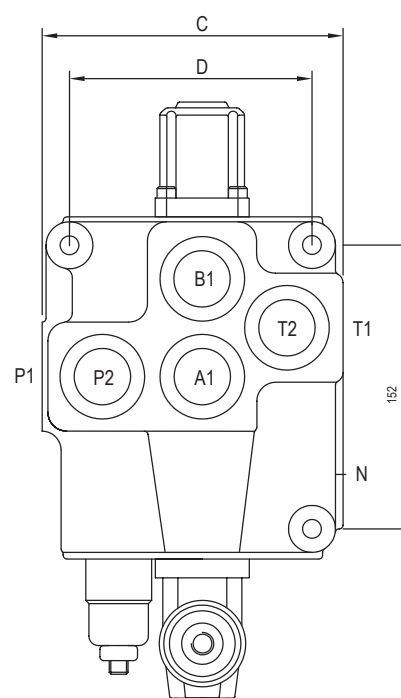
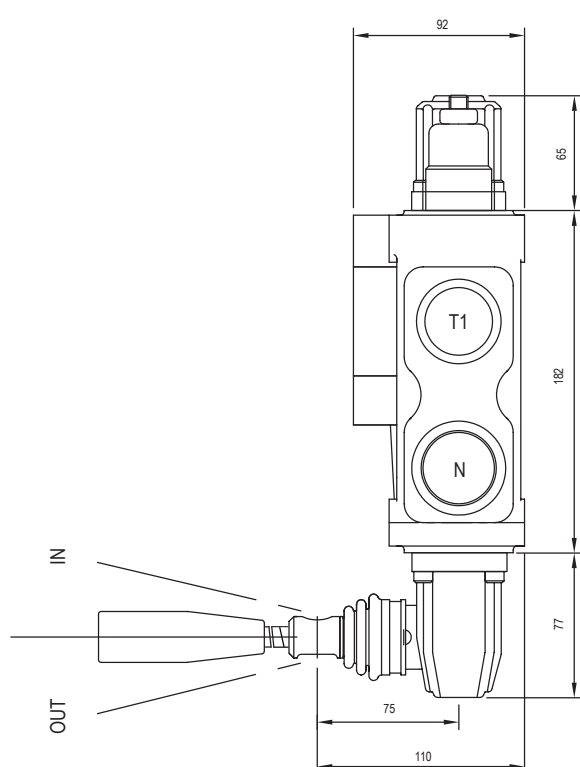
Standard : **Spool** Cylinder, **Spool Operation** Spring Centered, **Ports** P, T, A, B, N, 1" BSPP



Part Number & Pricing		Specifications								
Part Number	List Price	Handles	Flow Max LPM	Pressure - Max Cont			Mounting 3 Hole mm	Weight Kg	Dimensions for Drawing	
				P Bar	T Bar	A & B Bar			C	D
1P120R1A1GKZ1	\$ 590	1	150	250	50	300	10	13.5	160	129
2P120R1A1GKZ1	\$ 800	2	150	250	50	300	10	19.2	213	182
3P120R1A1GKZ1	\$ 1060	3	150	250	50	300	10	24.9	266	235
4P120R1A1GKZ1	\$ 1330	4	150	250	50	300	10	30.6	319	288

Code Builder:

HANDLES 1 - 4 Avail			P120R1			SPOOL TYPE OPTION 1			SPOOL OPERATION OPTION 2			VALVE CONTROL OPTION 3			GKZ1			PLUGS OPTION 4									
OPTION 1 SPOOL TYPE						OPTION 2 SPOOL OPERATION						OPTION 3 VALVE CONTROL						OPTION 4 PLUGS									
Code		Description				Add		Code		Description				Add		Code		Description				Add					
A						-		1		Spring Return - 3 Position				-		E		Micro Switch Kit				\$ 110					
D						-		8		Detent - 3 Position				\$ 60		P		Pneumatic Kit				\$ 180					
B						-		4		Spring Return Out - 2 Position				\$ 30				C2				Carry Beyond				\$ 40	
								5		Spring Return In - 2 Position				\$ 30				C				Closed Centre				\$ 30	
								9		Detent In - 2 Position				\$ 50													
								10		Detent Out - 2 Position				\$ 50													



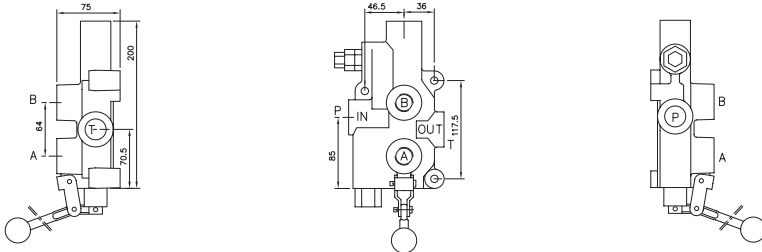


Log Splitter Valves Auto Kick Out / Hi-Lo Design

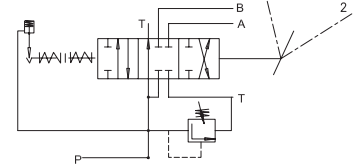
Part Number & Pricing	
Part Number	List Price
P81A2G	\$ 300
P81RSG	\$ 330

Specifications								
Description	Ports		Flow LPM	Pressure - Max Cont			Mounting 3 Hole mm	Weight Kg
	P & T BSPP	A & B BSPP		P Bar	T Bar	A & B Bar		
Auto Kick Out	3/4"	1/2"	80	250	10	300	8.4	4.8
Hi-Lo Valve Design Only Single Pump Required	3/4"	1/2"	80	250	10	300	8.4	4.8

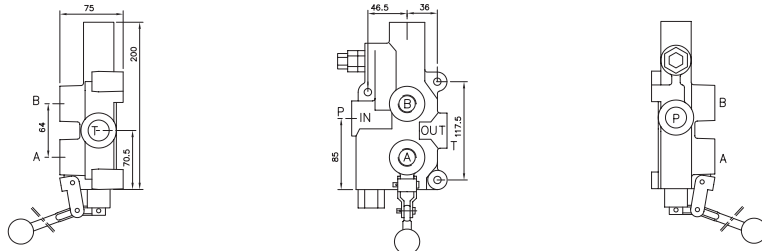
Side & Top View - P81A2G



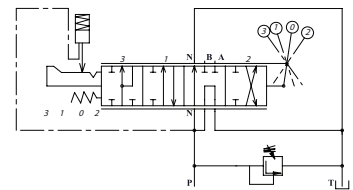
Schematic



Side & Top View - P81RSG



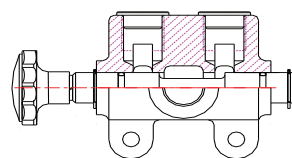
Schematic



Selector Valves SV Series, Manual Operated

Part Number & Pricing	
Part Number	List Price
SV80AG12K	\$ 160
SV120AG34K	\$ 250

Specifications					
Ports BSPP	Flow LPM	Pressure Max Cont Bar	Mounting 2 Hole mm	Weight Kg	
1/2"	75	210	9	1.4	
3/4"	113	210	9	2.4	



Schematic

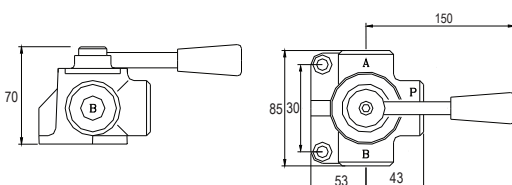


Diverter Valves 3Way & 4Way, Handle Operated

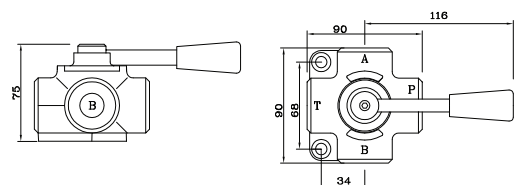
Part Number & Pricing	
Part Number	List Price
358-30-12	\$ 150
358-31-12	\$ 150
303-40-12	\$ 150
303-43-12	\$ 150

Specifications						
Ports BSPP	Function	Flow LPM	Pressure Max Cont Bar	Mounting 2 Hole mm	Weight Kg	
1/2"	3 Way - Closed Centre	90	250	10.5	1.5	
1/2"	3 Way - Open Centre	90	250	10.5	1.5	
1/2"	4 Way - Closed Centre	60	320	10.5	2.1	
1/2"	4 Way - Open Centre	60	320	10.5	2.1	

Side & Top View - 3 Way, 358 Series



Side & Top View - 4 Way, 303 Series



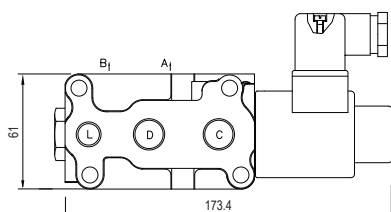


6 Port Selector Valves (Stackable)

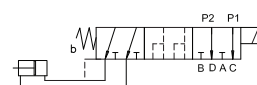
Standard : Solenoid & Handle Operated, **Flow** 50lpm (3/8") or 90lpm (1/2")

Part Number & Pricing		Specifications							
Part Number	List Price	Handle / Solenoid	Voltage DC	Flow LPM	Ports	Pressure		Mounting Holes mm	Weight Kg
						With Drain Bar	Without Drain Bar		
1DVS6-6/2-L-12DC-G38-02	\$ 330	Solenoid	12	50	3/8"	315	210	6.5	2.7
1DVS6-6/2-L-24DC-G38-02	\$ 330	Solenoid	24	50	3/8"	315	210	6.5	2.7
DVH-6/2-A11-GKZ1R	\$ 330	Handle	-	50	3/8"	315	210	6.5	2.6
1SVV6-2-12DC-G-12	\$ 440	Solenoid	12	90	1/2"	-	250	8.5	4.4
1SVV6-2-24DC-G-12	\$ 440	Solenoid	24	90	1/2"	-	250	8.5	4.4

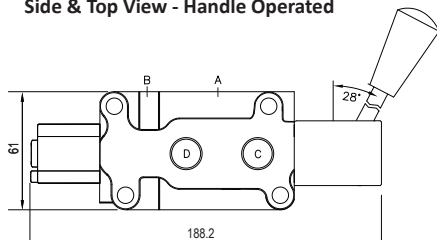
Side & Top View - 1DVS6 Solenoid Operated



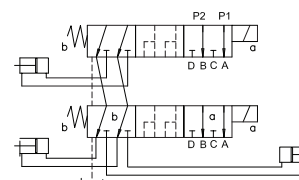
Single Valve - Schematic



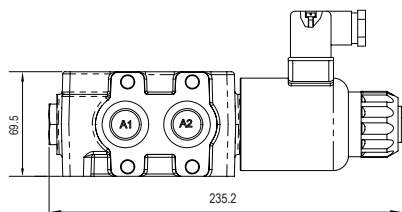
Side & Top View - Handle Operated



Stacked Valve - Schematic



Side & Top View - 1SVV6 Solenoid Operated



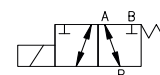
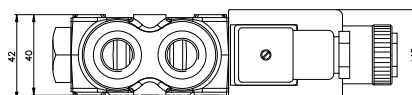
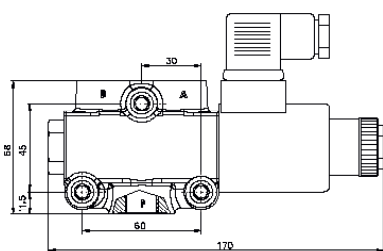
Single Valve - Schematic



3 Port Selector Valves

Standard : Solenoid Operated, **Flow** 90lpm (1/2")

Part Number & Pricing		Specifications				
Part Number	List Price	Voltage DC	Flow LPM	Ports	Pressure	
					With Drain Bar	Without Drain Bar
3/2FDV061A1012	\$ 380	12	90	1/2"	315	210
3/2FDV061A1024	\$ 380	24	90	1/2"	315	210

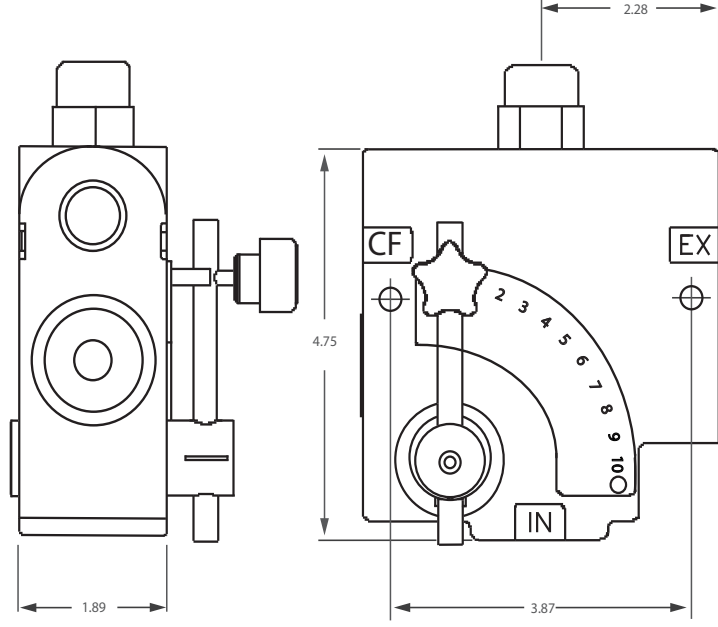
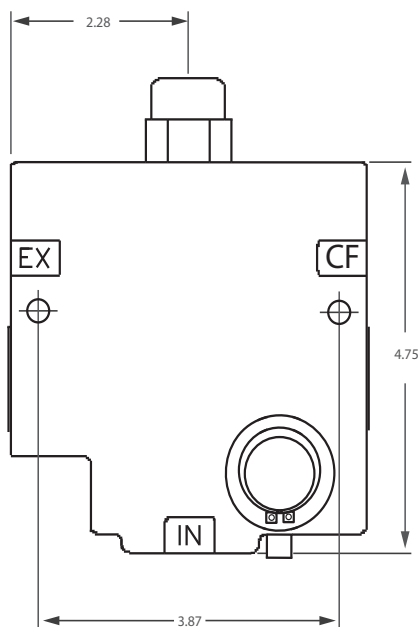
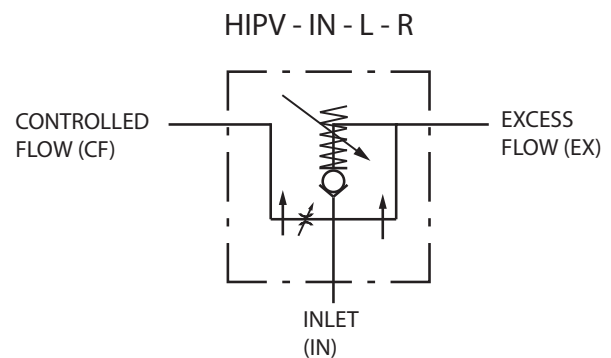
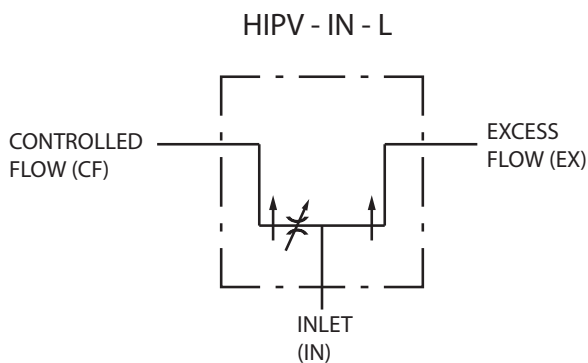


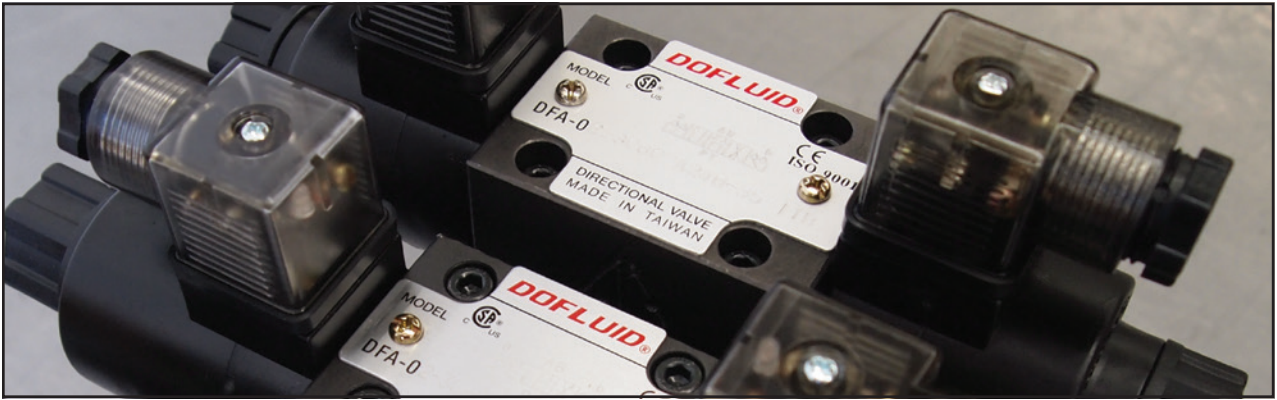
Pressure Compensated Priority & Flow Control



Standard : Ports 1/2", 3/4"

Standard		Standard With Relief		Specifications			
Part Number	List Price	Part Number	List Price	Ports BSPP	Flow Max LPM	Pressure Max Bar	Weight Kg
HIPV-IN-L-1/2	\$ 290	HIPV-IN-L-R-1/2	\$ 330	1/2"	60	200	0.4
HIPV-IN-L-3/4	\$ 290	HIPV-IN-L-R-3/4	\$ 330	3/4"	112	200	0.5





CETOP VALVE RANGE

CONTENTS

SOLENOID OPERATED VALVES

HANDLE, PNEU & HYD OPERATED VALVES

MODULAR VALVES

MANIFOLDS & SUBPLATES

DIRECTIONAL CONTROL VALVES



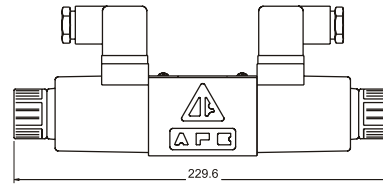
Solenoid Operated - DOFLUID



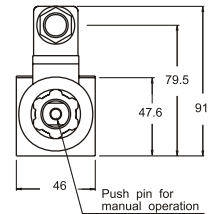
Cetop 3: Flow 80 LPM, Pressure 350 Bar

Part Number & Pricing		Specifications	
Voltage Options DC12, DC24, AC110, AC240	List Price	Schematic	Weight Kg
DFA 02-3C2- Voltage -L-35	\$ 265		2
DFA 02-3C4- Voltage -L-35	\$ 265		2
DFA 02-3C60- Voltage -L-35	\$ 285		2
DFA 02-3C3- Voltage -L-35	\$ 265		2
DFA 02-2B2- Voltage -L-35	\$ 215		1.5
DFA 02-2B2B- Voltage -L-35	\$ 215		1.5
DFA 02-2B4B- Voltage -L-35	\$ 215		1.5
DFA 02-2B60BL- Voltage -L-35	\$ 230		1.5
DFA 02-2B3B- Voltage -L-35	\$ 215		1.5

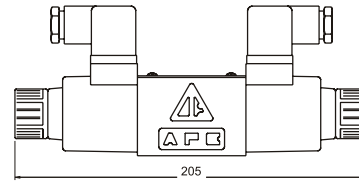
Front & Side View - 12 / 24 Volt DC
DFA-02-...-DC...-L-35 Series



End View - DC & AC



Front & Side View - 110 / 240 Volt AC
DFA-02-...-AC...-L-35 Series



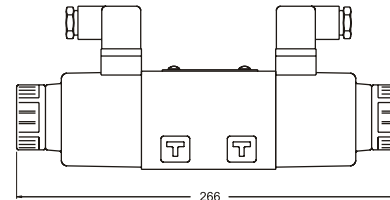
C3 Parts

Part Number & Pricing		Specifications
Part Number	List Price	Description
DC3 - Coil (Voltage)	\$ 75	Coil Only
DC3 - Armiture	\$ 75	Armature Only
Z4L	\$ 25	Electrical Plug with LED

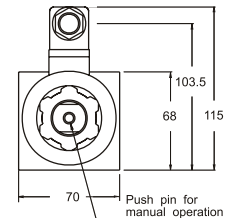
Cetop 5: Flow 160 LPM, Pressure 350 Bar

Part Number & Pricing		Specifications	
Voltage Options DC12, DC24, AC110, AC240	List Price	Schematic	Weight Kg
DFA 03-3C2- Voltage -L-35	\$ 395		5.1
DFA 03-3C4- Voltage -L-35	\$ 395		5.1
DFA 03-3C60- Voltage -L-35	\$ 425		5.1
DFA 03-3C3- Voltage -L-35	\$ 395		5.1
DFA 03-2B2- Voltage -L-35	\$ 395		4
DFA 03-2B2B- Voltage -L-35	\$ 325		4
DFA 03-2B4B- Voltage -L-35	\$ 325		4
DFA 03-2B60BL- Voltage -L-35	\$ 330		4
DFA 03-2B3B- Voltage -L-35	\$ 330		4

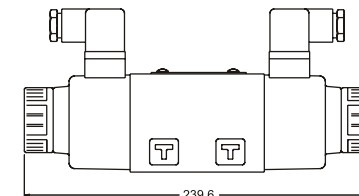
Side View - 12 / 24 Volt DC
DFA-03-...-DC...-L-35 Series



End View - DC & AC



Side View - 110 / 240 Volt AC
DFA-03-...-AC...-L-35 Series



C5 Parts

Part Number & Pricing		Specifications
Part Number	List Price	Description
DC5 - Coil (Voltage)	\$ 95	Coil Only
DC5 - Armiture	\$ 95	Armature Only
Z4L	\$ 25	Electrical Plug with LED

Solenoid Operated - INTERNATIONAL



Cetop 3: Flow 80 LPM, Pressure 320 Bar

Part Number & Pricing		Specifications	
Voltage Options G12, G24, AC110, AC240	List Price	Schematic	Weight Kg
4WE6E75/ Voltage NZ4	\$ 245		2.1
4WE6J75/ Voltage NZ4	\$ 245		2.1
4WE6G75/ Voltage NZ4	\$ 265		2.1
4WE6H75/ Voltage NZ4	\$ 245		2.1
4WE6D75/ Voltage NZ4	\$ 205		1.6
4WE6EA75/ Voltage NZ4	\$ 205		1.6
4WE6JA75/ Voltage NZ4	\$ 205		1.6
4WE6GA75/ Voltage NZ4	\$ 215		1.6
4WE6HA75/ Voltage NZ4	\$ 205		1.6

C3 Parts

Part Number & Pricing		Specifications
Part Number	List Price	Description
IC3 - Coil (Voltage)	\$ 70	Coil Only
IC3 - Armature	\$ 70	Armature Only
Z4L	\$ 25	Electrical Plug with LED

Cetop 5: Flow 160 LPM, Pressure 320 Bar

Part Number & Pricing		Specifications	
Voltage Options G12, G24, AC110, AC240	List Price	Schematic	Weight Kg
4WE10E23/ Voltage NZ4	\$ 370		5.5
4WE10J23/ Voltage NZ4	\$ 370		5.5
4WE10G23/ Voltage NZ4	\$ 395		5.5
4WE10H23/ Voltage NZ4	\$ 370		5.5
4WE10D23/ Voltage NZ4	\$ 305		4.5
4WE10EA23/ Voltage NZ4	\$ 305		4.5
4WE10JA23/ Voltage NZ4	\$ 305		4.5
4WE10GA23/ Voltage NZ4	\$ 305		4.5
4WE10HA23/ Voltage NZ4	\$ 305		4.5

C5 Parts

Part Number & Pricing		Specifications
Part Number	List Price	Description
IC5 - Coil (Voltage)	\$ 90	Coil Only
IC5 - Armature	\$ 90	Armature Only
Z4L	\$ 25	Electrical Plug with LED

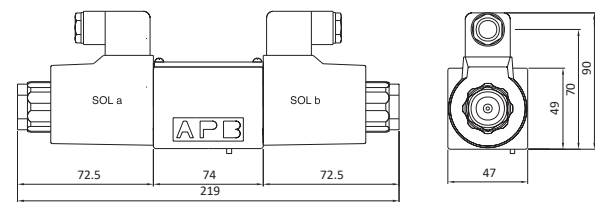
Cetop 7: Flow 300 LPM, Pressure 320 Bar

Part Number & Pricing		Specifications	
Voltage Options G12, G24, AC110, AC240	List Price	Schematic	Weight Kg
4WE16E53/ Voltage NZ4	\$ 845		9.7
4WE16J53/ Voltage NZ4	\$ 845		9.7
4WE16G53/ Voltage NZ4	\$ 910		9.7
4WE16H53/ Voltage NZ4	\$ 845		9.7
4WE16D53/ Voltage NZ4	\$ 800		8.7

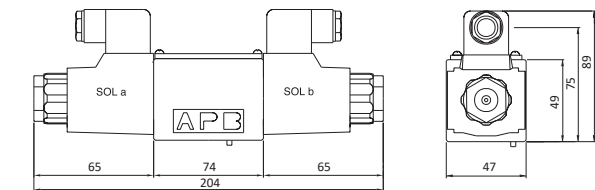
C7 Parts & Accessories

Part Number & Pricing		Specifications
Part Number	List Price	Description
C7-P4.5	\$ 150	P Port Insert Check - 4.5bar
IC3 - Coil (Voltage)	\$ 70	Coil Only

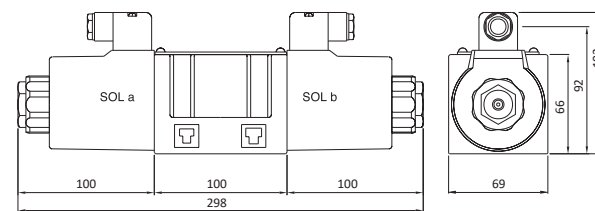
Front & Side View - 12 / 24 Volt DC
4WE6...75/DC...NZ4 Series



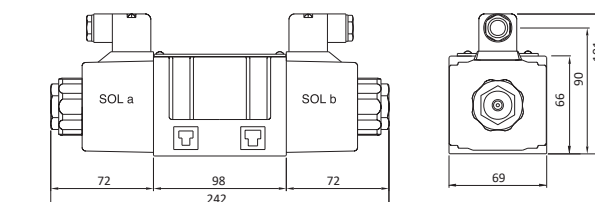
Front & Side View - 110 / 240 Volt AC
4WE6...75/AC...NZ4 Series



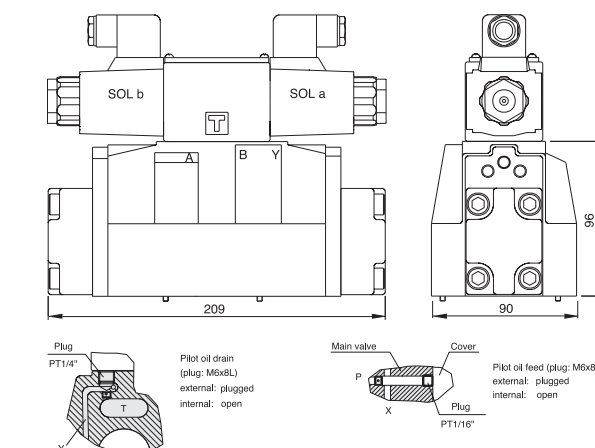
Front & Side View - 12 / 24 Volt DC
4WE10...23/DC...NZ4 Series



Front & Side View - 110 / 240 Volt AC
4WE10...23/AC...NZ4 Series



4WE16...53/.....NZ4



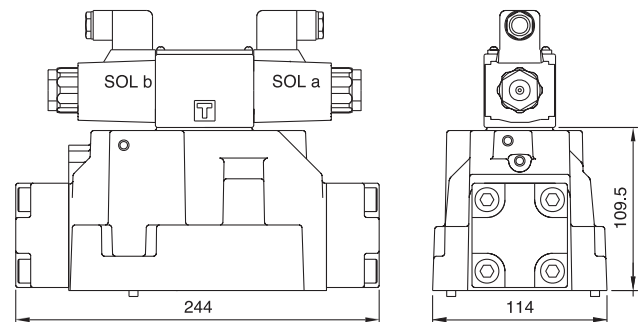
Solenoid Operated - International



Cetop 8: Flow 450 LPM, Pressure 320 Bar

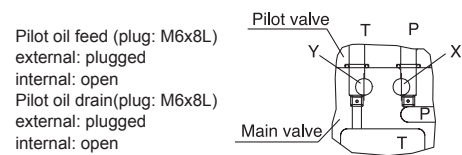
Part Number & Pricing		Specification	
Voltage Options G12, G24, AC110, AC240	List Price	Scheme	Weight Kg
4WE22E53/ Voltage NZ4	\$ 1140		14.6
4WE22J53/ Voltage NZ4	\$ 1140		14.6
4WE22G53/ Voltage NZ4	\$ 1190		14.6
4WE22H53/ Voltage NZ4	\$ 1140		14.6
4WE22D53/ Voltage NZ4	\$ 1070		13.2

Front & Side View - Mainstage and Pilot
4WE22...53/.....NZ4



C8 Parts & Accessories

Part Number & Pricing		Specifications
Part Number	List Price	Description
C8-P4.5	\$ 170	P Port Insert Check - 4.5bar
IC3 - Coil (Voltage)	\$ 70	Coil Only
Z4L	\$ 25	Electrical Plug with LED

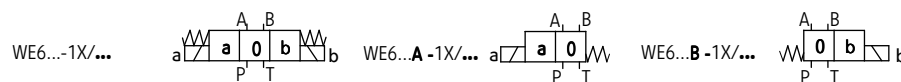


SPOOL IDENTIFICATION TABLE

SCHEMES

Graphic symbols for 3- position directional spool valves

Graphic symbols for 2- position directional spool valves



Graphic symbols for spools

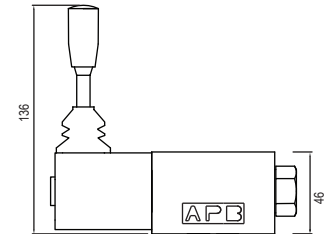
working and indirect positions	working positions	working and indirect positions	working positions	working and indirect positions	working positions
	E		EA		FB
	F		FA		GB
	G		GA		HB
	H		HA		JB
	J		JA		LB
	L		LA		MB
	M		MA		PB
	P		PA		QB
	Q		QA		RB
	R		RA		TB
	T		TA		UB
	U		UA		VB
	V		VA		WB
	W		WA		

Handle, Pneumatic & Hydraulic Operated



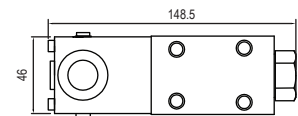
Handle Operated Valves : Spring Centered, Flow 60 LPM, Pressure 320 Bar

Part Number & Pricing		Specifications	
Cetop 3	List Price	Schematic	Weight Kg
4WMM6E51	\$ 365		2
4WMM6J51	\$ 365		2
4WMM6G51	\$ 365		2
4WMM6H51	\$ 365		2
4WMM6D51	\$ 365		2



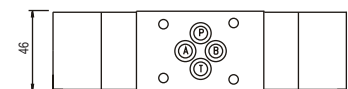
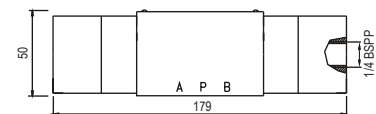
Handle Operated Valves : Detent Control, Flow 60 LPM, Pressure 320 Bar

Part Number & Pricing		Specifications	
Cetop 3	List Price	Schematic	Weight Kg
4WMM6E51F	\$ 365		2
4WMM6J51F	\$ 365		2
4WMM6G51F	\$ 365		2
4WMM6H51F	\$ 365		2
4WMM6D51F	\$ 365		2



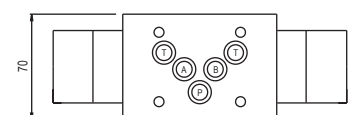
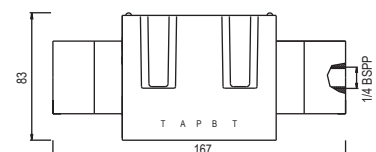
Pneumatic Operated Valves : Cetop 3, Flow 60 LPM, Pressure 320 Bar, Min Pilot Pressure 29 PSI

Part Number & Pricing		Specifications	
Cetop 3	List Price	Schematic	Weight Kg
RH06016FG	\$ 440		1.9
RH06046FG	\$ 440		1.9
RH06026FG	\$ 440		1.9
RH06006FG	\$ 440		1.9
RH06116FG	\$ 380		1.5



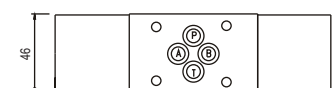
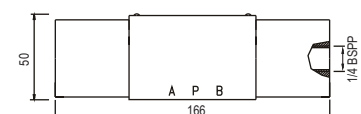
Pneumatic Operated Valves : Cetop 5, Flow 140 LPM, Pressure 320 Bar, Min Pilot Pressure 44 PSI

Part Number & Pricing		Specifications	
Cetop 5	List Price	Schematic	Weight Kg
RH10016FG	\$ 660		4.3
RH10026FG	\$ 660		4.3



Hydraulic Operated Valves : Cetop 3, Flow 60 LPM, Pressure 320 Bar, Min Pilot Pressure 210 PSI

Part Number & Pricing		Specifications	
Cetop 3	List Price	Schematic	Weight Kg
RH06012F	\$ 525		2.2
RH06042F	\$ 525		2.2
RH06022F	\$ 525		2.2
RH06002F	\$ 525		2.2
RH06112F	\$ 440		1.6



CETOP MODULAR VALVES

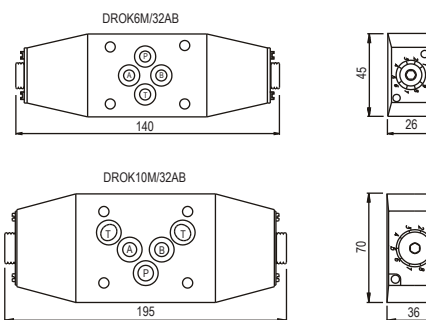
INTERNATIONAL

Sandwich Design



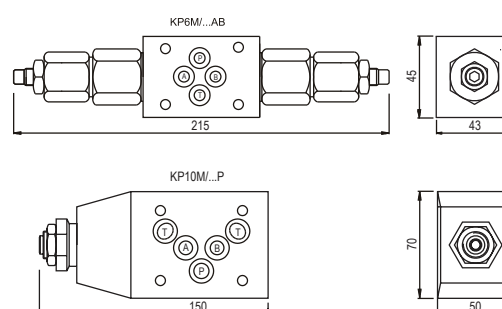
Flow Control Valves : Pressure 320 Bar

Part Number & Pricing		Specifications			
Part Number	List Price	Size	Function	Schematic	Weight Kg
DROK6M/32AB	\$ 280	Cetop 3	Meter In/Out (Universal)		0.8
DROK10M/32AB	\$ 320	Cetop 5	Meter In/Out (Universal)		2.6



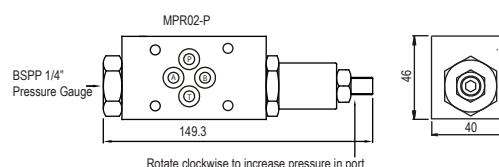
Relief Valves : Pressure 320 Bar

Part Number & Pricing		Specifications			
Part Number	List Price	Size	Function	Schematic	Weight Kg
KP6M/32P	\$ 205	Cetop 3	P to T		1.1
KP6M/32AB	\$ 335	Cetop 3	A+B to T		1.3
KP6M/32AB2	\$ 335	Cetop 3	Crossline		1.3
KP10M/32P	\$ 245	Cetop 5	P to T		2.9



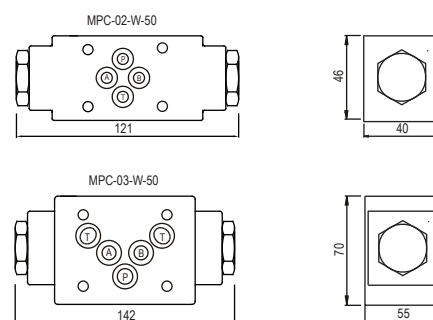
Reducing Valves : Pressure 320 Bar

Part Number & Pricing		Specifications			
Part Number	List Price	Size	Function	Schematic	Weight Kg
MPR02-P-2-2	\$ 240	Cetop 3	70-8 bar		1.2
MPR02-P-2-4	\$ 240	Cetop 3	250-70 bar		1.2



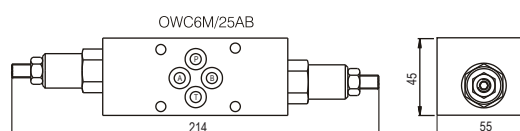
P.O Check Valves : Pressure 320 Bar

Part Number & Pricing		Specifications			
Part Number	List Price	Size	Function	Schematic	Weight Kg
MPC-02-W-50	\$ 220	Cetop 3	Dual A & B		1.1
MPC-03-W-50	\$ 250	Cetop 5	Dual A & B		2



Overcentre Valves : Pressure 250 Bar

Part Number & Pricing		Specifications			
Part Number	List Price	Size	Function	Schematic	Weight Kg
OWC6M/25A	\$ 245	Cetop 3	Single A		0.6
OWC6M/25AB	\$ 420	Cetop 3	Dual		0.9

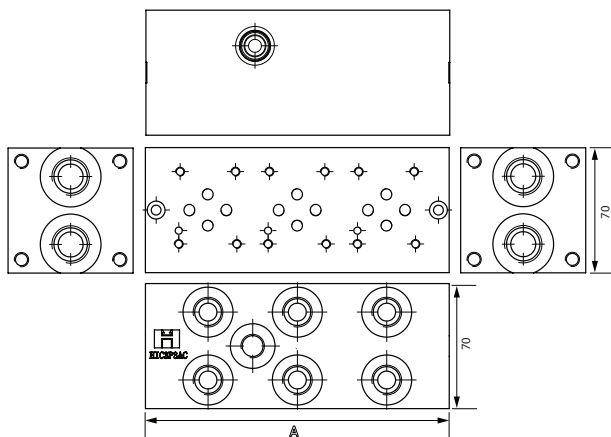


Cetop 3



Cetop 3 : Alloy Manifolds

Parallel		Series		Specifications				
Part Number	List Price	Part Number	List Price	No. Stations	Ports BSPP		Dim "A"	Weight
					P, T	A, B	mm	Kg
HIC3P1AC	\$ 170	-	-	1	1/2"	3/8"	91	1.1
HIC3P2AC	\$ 280	HIC3S2AC	\$ 280	2	1/2"	3/8"	108	1.5
HIC3P3AC	\$ 340	HIC3S3AC	\$ 340	3	1/2"	3/8"	158	2.2
HIC3P4AC	\$ 410	HIC3S4AC	\$ 410	4	1/2"	3/8"	208	2.9
HIC3P5AC	\$ 430	-	-	5	1/2"	3/8"	258	3.6
HIC3P6AC	\$ 460	-	-	6	1/2"	3/8"	308	4.3
HIC3P7AC	\$ 490	-	-	7	1/2"	3/8"	358	5.2



Cetop 3 : Steel Manifolds

Parallel		Series		Specifications				
Part Number	List Price	Part Number	List Price	No. Stations	Ports BSPP		Dim "A"	Weight
					P, T	A, B	mm	Kg
HIC3P1SC	\$ 170	-	-	1	1/2"	3/8"	91	3.4
HIC3P2SC	\$ 280	HIC3S2SC	\$ 280	2	1/2"	3/8"	120	4.5
HIC3P3SC	\$ 340	HIC3S3SC	\$ 340	3	1/2"	3/8"	170	6.2
HIC3P4SC	\$ 410	HIC3S4SC	\$ 410	4	1/2"	3/8"	220	8.2
HIC3P5SC	\$ 430	-	-	5	1/2"	3/8"	270	10
HIC3P6SC	\$ 460	-	-	6	1/2"	3/8"	320	12
HIC3P7SC	\$ 490	-	-	7	1/2"	3/8"	358	14

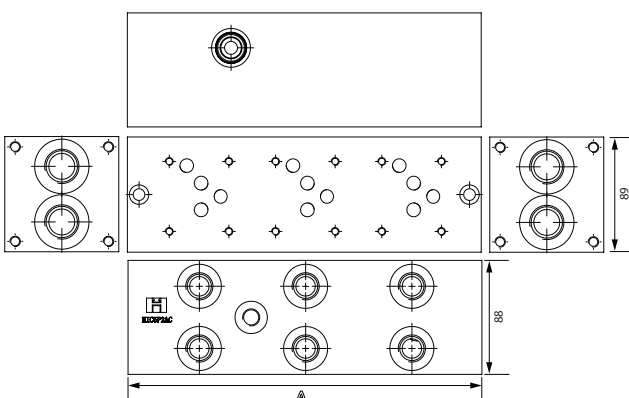
Manifold Options

Part Number & Pricing		
Part Number	List Price	Description
R250	\$ 100	Relief Cartridge - Up to 250 bar
C3BP-P	\$ 50	Blanking Plate for Parallel Manifold
C3BP-S	\$ 50	Blanking Plate for Series Manifold

Cetop 5

Cetop 5 : Alloy Manifolds

Parallel		Series		Specifications				
Part Number	List Price	Part Number	List Price	No. Stations	Ports BSPP		Dim "A"	Weight
					P, T	A, B	mm	Kg
HIC5P1AC	\$ 300	-	-	1	3/4"	1/2"	120	2.2
HIC5P2AC	\$ 420	HIC5S2AC	\$ 420	2	3/4"	1/2"	191	1.5
HIC5P3AC	\$ 570	HIC5S3AC	\$ 570	3	3/4"	1/2"	273	2.2
HIC5P4AC	\$ 700	HIC5S4AC	\$ 700	4	3/4"	1/2"	355	2.9
HIC5P5AC	\$ 850	-	-	5	3/4"	1/2"	437	3.6
HIC5P6AC	\$ 980	-	-	6	3/4"	1/2"	519	4.3



Cetop 5 : Steel Manifolds

Parallel		Series		Specifications				
Part Number	List Price	Part Number	List Price	No. Stations	Ports BSPP		Dim "A"	Weight
					P, T	A, B	mm	Kg
HIC5P1SC	\$ 300	-	-	1	3/4"	1/2"	120	5.9
HIC5P2SC	\$ 420	HIC5S2SC	\$ 420	2	3/4"	1/2"	191	9.8
HIC5P3SC	\$ 570	HIC5S3SC	\$ 570	3	3/4"	1/2"	273	14.3
HIC5P4SC	\$ 700	HIC5S4SC	\$ 700	4	3/4"	1/2"	355	18.8
HIC5P5SC	\$ 850	-	-	5	3/4"	1/2"	437	23.3
HIC5P6SC	\$ 980	-	-	6	3/4"	1/2"	519	27.8

Manifold Options

Part Number & Pricing		
Part Number	List Price	Description
R250	\$ 100	Relief Cartridge - Up to 250 bar
C5BP-P	\$ 70	Blanking Plate for Parallel Manifold
C5BP-S	\$ 70	Blanking Plate for Series Manifold

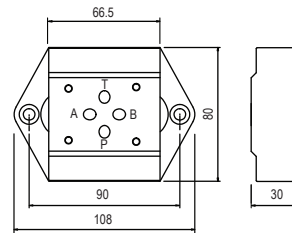
Steel Subplates to suit Cetop 3, 5 & 7



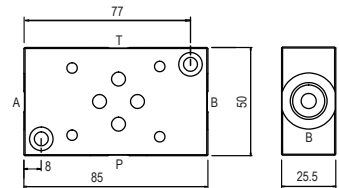
Cetop 3: Subplates

Part Number & Pricing		Specifications	
Part Number	List Price	Description	Weight Kg
G341/01	\$ 85	1/4" BSPP Bottom Entry	0.6
G342/01	\$ 85	3/8" BSPP Bottom Entry	1.1
G342/01-SE	\$ 85	3/8" BSPP Side Entry	0.7
C03/1-RV1	\$ 270	3/8" BSPP Side + Relief, Alloy	1.2

Top & Side View - G342/01



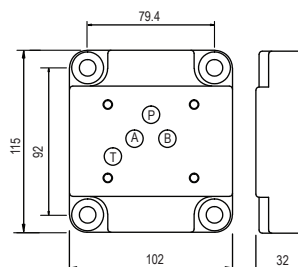
Top & Side View - G342/01-SE



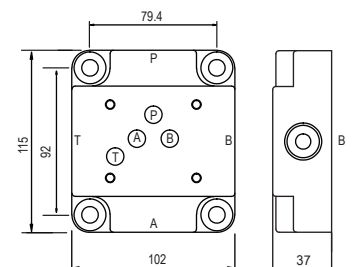
Cetop 5: Subplates

Part Number & Pricing		Specifications	
Part Number	List Price	Description	Weight Kg
G67/01	\$ 160	1/2" BSPP Bottom Entry	2
G67/01-SE	\$ 160	1/2" BSPP Side Entry	2.1

Top & Side View - G67/01



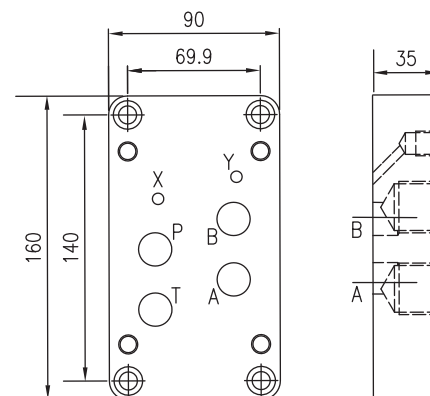
Top & Side View - G67/01-SE



Cetop 7: Subplates

Part Number & Pricing		Specifications	
Part Number	List Price	Description	Weight Kg
G172/01	\$ 285	3/4" BSPP Rear Entry	2.8
G174/01	\$ 390	1" BSPP Rear Entry	2.8

Top & Side View - G172/01 / G174/01





PRESSURE & FLOW CONTROL VALVES

CONTENTS

FLOW CONTROL VALVES

RELIEF VALVES

P.O CHECK VALVES

CHECK VALVES

HOSE BURST VALVES

OVERCENTRE VALVES

PRESSURE SWITCHES

PRIORITY VALVES

FLOW DIVIDER VALVES

IN-LINE VALVES

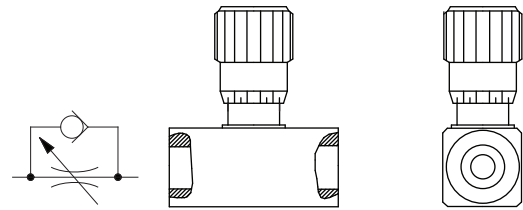


Pressure & Flow Control



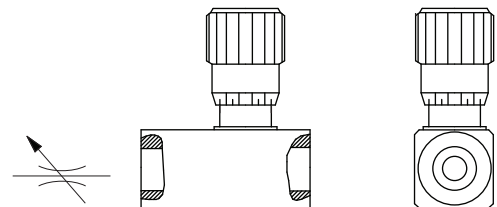
Flow Control Valves - Reverse Flow Check

Part Number & Pricing		Specifications			
Part Number	List Price	Ports BSPP	Flow Max LPM	Pressure Max Bar	Weight Kg
DRV6-1-10	\$ 60	1/8"	14	350	0.4
DRV8-1-10	\$ 65	1/4"	20	350	0.4
DRV10-1-10	\$ 70	3/8"	40	350	0.5
DRV12-1-10	\$ 90	1/2"	60	350	0.7
DRV16-1-10	\$ 115	3/4"	100	350	1
DRV20-1-10	\$ 145	1"	300	350	2



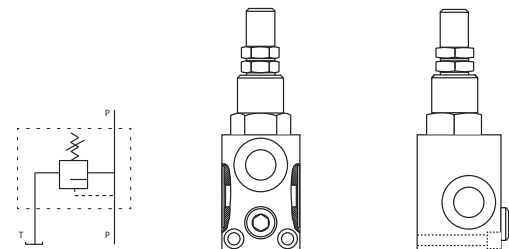
Needle Valves - Controlled Flow Both Ways

Part Number & Pricing		Specifications			
Part Number	List Price	Ports BSPP	Flow Max LPM	Pressure Max Bar	Weight Kg
DV6-1-10	\$ 50	1/8"	14	350	0.4
DV8-1-10	\$ 55	1/4"	20	350	0.4
DV10-1-10	\$ 75	3/8"	40	350	0.5
DV12-1-10	\$ 85	1/2"	60	350	0.7
DV16-1-10	\$ 110	3/4"	100	350	1
DV20-1-10	\$ 150	1"	300	350	2



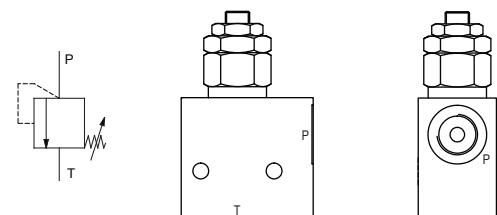
Relief Valves - Steel

Part Number & Pricing		Specifications			
Part Number	List Price	Ports BSPP	Flow Max LPM	# Pressure Bar	Weight Kg
HIRV-IN-3/8-250	\$ 170	3/8"	45	250	0.9
HIRV-IN-1/2-250	\$ 190	1/2"	70	250	1.2
HIRV-IN-3/4-250	\$ 210	3/4"	120	250	1.4
KPP10/32TCB	\$ 310	3/4"	160	315	3.7



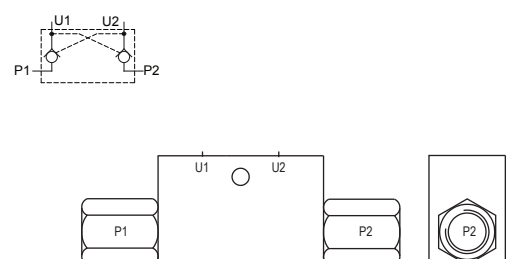
Relief Valves - Alloy

Part Number & Pricing		Specifications			
Part Number	List Price	Ports BSPP	Flow Max LPM	Pressure Max Bar	Weight Kg
CPL40/38	\$ 150	3/8"	40	250	0.3



P.O Check Valves - Steel

Part Number & Pricing		Specifications				
Part Number	List Price	Ports BSPP	Description	Flow Max LPM	Pressure Max Bar	Weight Kg
KOHU1/4-S	\$ 100	1/4"	SINGLE	15	320	0.6
KOHU3/8-S	\$ 110	3/8"	SINGLE	30	320	0.6
KOHU1/2-S	\$ 140	1/2"	SINGLE	45	320	1.4
KOHU1/4	\$ 130	1/4"	DUAL	15	320	0.7
KOHU3/8	\$ 130	3/8"	DUAL	30	320	0.7
KOHU1/2	\$ 150	1/2"	DUAL	45	320	1.7



IN-LINE VALVES



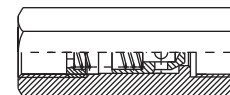
Pressure & Flow Control



Check Valves

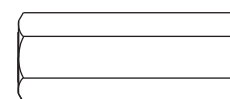
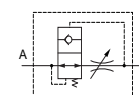
Pressure 320 Bar

Part Number & Pricing		Specifications				
Part Number	List Price	Ports BSPP	Flow Max LPM	Cracking Bar	Pressure Max Bar	Weight Kg
SO6A1	\$ 30	1/4"	25	0.5	350	0.1
SO6A3	\$ 30	1/4"	25	3	350	0.1
SO8A1	\$ 35	3/8"	40	0.5	350	0.2
SO8A3	\$ 35	3/8"	40	3	350	0.2
SO10A1	\$ 45	1/2"	60	0.5	350	0.4
SO10A3	\$ 45	1/2"	60	3	350	0.4
SO15A1	\$ 55	3/4"	100	0.5	350	0.5
SO15A3	\$ 55	3/4"	100	3	350	0.5
SO20A1	\$ 80	1"	150	0.5	350	0.7
SO20A3	\$ 80	1"	150	3	350	0.7



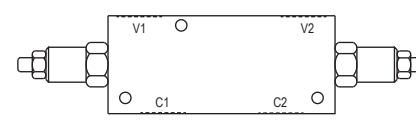
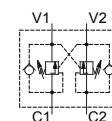
Hose Burst Valves

Part Number & Pricing		Specifications				
Part Number	List Price	Ports BSPP	Description	Flow Max LPM	Pressure Max Bar	Weight Kg
HC970-1/4-TMB	\$ 45	1/4"	Female Female	25	350	0.1
HC970-3/8-TMB	\$ 45	3/8"	Female Female	50	350	0.2
HC970-1/2-TMB	\$ 60	1/2"	Female Female	80	350	0.2
HC970-3/4-TMB	\$ 65	3/4"	Female Female	150	350	0.5



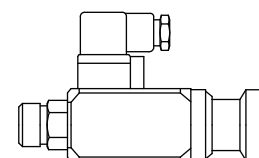
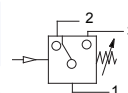
Overcentre Valves - Alloy

Part Number & Pricing		Specifications				
Part Number	List Price	Ports BSPP	Description	Flow Max LPM	Pressure Max Bar	Weight Kg
OWC-SE/L38	\$ 185	3/8"	Single	40	250	0.6
OWC-SE/L12	\$ 210	1/2"	Single	60	250	0.8
OWC-DE/L38	\$ 285	3/8"	Dual	40	250	0.8
OWC-DE/L12	\$ 310	1/2"	Dual	60	250	1.1



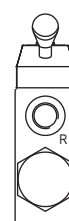
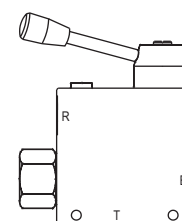
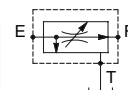
Pressure Switches

Part Number & Pricing		Specifications		
Part Number	List Price	Ports BSPP	Pressure Range Bar	Weight Kg
DNA-100K-22B	\$ 250	1/4"	15-100	1.1
DNA-250K-22B	\$ 250	1/4"	40-250	1.1
DNA-360K-22B	\$ 250	1/4"	50-360	1.1



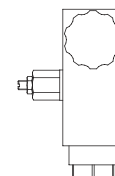
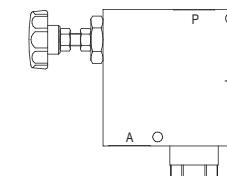
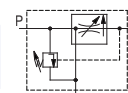
Priority - 3 Way Handle Operated

Part Number & Pricing		Specifications			
Part Number	List Price	Ports BSPP	Priority Max LPM	Pressure Max Bar	Weight Kg
RD10/3T	\$ 425	3/8"	30	210	1.2



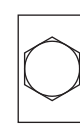
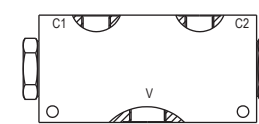
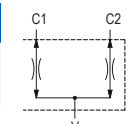
Priority - 3 way Knob Operated, Pressure & Flow Control

Part Number & Pricing		Specifications				
Part Number	List Price	Ports BSPP	Flow Max LPM	Priority Max LPM	Pressure Max Bar	Weight Kg
VRFC3/V/VS12	\$ 425	1/2"	90	50	250	2.3
VRFC3/V/VS34	\$ 575	3/4"	150	90	250	4.1



Flow Divider

Part Number & Pricing		Specifications				
Part Number	List Price	Ports BSPP	Ports Outlet BSPP	Flow Max LPM	Pressure Max Bar	Weight Kg
FDC10-12-40	\$ 270	1/2"	3/8"	40	210	0.9
20FDC10/2R750G	\$ 1220	3/4"	1/2"	40	200	



BOLTS

Cetop Bolt Kits



Valves

Part Number & Pricing	
Part Number	List Price
M5 # 45	\$ 15
M5 # 75	\$ 20
M5 # 85	\$ 20
M5 # 85	\$ 20
M5 # 85	\$ 20
M5 # 100	\$ 25
M6 # 40	\$ 15
M6 # 80	\$ 20
M6 # 90	\$ 20
M6 # 90	\$ 20
M6 # 35	\$ 15
M6 # 75	\$ 20
M6 # 85	\$ 20
M6 # 85	\$ 20
M6 # 60 + M10 # 60	\$ 50

Specifications	
Qty	Description
4	CETOP 3 [DOFLUID AND INTERNATIONAL]
4	CETOP 3 + FLOW CONTROL
4	CETOP 3 + RELIEF VALVE
4	CETOP 3 + P.O CHECK
4	CETOP 3 + PRESSURE REDUCING VALVE
4	CETOP 3 + P.O OVERCENTRE VALVE
4	CETOP 5 [INTERNATIONAL]
4	CETOP 5 + FLOW CONTROL
4	CETOP 5 + RELIEF VALVE
4	CETOP 5 + P.O CHECK
4	CETOP 5 [DOFLUID]
4	CETOP 5 + FLOW CONTROL
4	CETOP 5 + RELIEF VALVE
4	CETOP 5 + P.O CHECK
2 + 4	CETOP 7 [INTERNATIONAL]

M+S Bolt Kits

Motors

Part Number & Pricing	
Part Number	List Price
M8 # 35	\$ 20
M10 # 40	\$ 25
M12 # 45	\$ 25
M8 # 45	\$ 20
M10 # 45	\$ 25
M12 # 70	\$ 25
M8 # 40	\$ 20
M10 # 35	\$ 20
M10 # 70	\$ 25
M12 # 75	\$ 25

Specifications	
Qty	Description
4	KPWR - SHUTTLE VALVE
2 & 4	KPWS & KPWT - SHUTTLE VALVE
4	KPWV - SHUTTLE VALVE
4	KPBR - OVERCENTRE VALVE
2 & 4	KPBS & KPBT - OVERCENTRE VALVE
4	KPBV - OVERCENTRE VALVE
4	KPDR (KPER) - CROSS LINE RELIEF VALVE
2	KPDS - CROSS LINE RELIEF VALVE
4	KPDT - CROSS LINE RELIEF VALVE
4	KPDV - CROSS LINE RELIEF VALVE

Brakes

Part Number & Pricing	
Part Number	List Price
M12 # 30	\$ 20
M10 # 35	\$ 20
M12 # 30	\$ 25

Specifications	
Qty	Description
2 - 4	LB 288 - MOTOR INPUT
4	LB 289 / 290 - MOTOT INPUT
4	LBS 314 / 315 - MOTOR INPUT

Steering Units

Part Number & Pricing	
Part Number	List Price
M10x1 # 40	\$ 45

Specifications	
Qty	Description
2	HKU - DIRECT MOUNTED BLOCK [1mm PITCH]

TERMS AND CONDITIONS

WARRANTY

- Our warranty period is for 12 months from date of purchase.
- Any products/parts replaced will be supplied on the same conditions and with the same warranty, commencing on the date of delivery of the replaced product or part.
- If all or part of a product is repaired, the product or part of it will be supplied on the same terms and conditions as the original product or part.
- Warranty is void if the label of the goods is removed or if the goods have been tampered with in any way whatsoever.

RETURNS

- Return of products will not be accepted unless Hydraulics International has received a substantiated written claim within 14 days from the date of delivery. Prior authorisation must be obtained from Hydraulics International before the customer returns a product.
- On return, products must be accompanied by appropriate documentation stipulating the original invoice number.
- Hydraulics International accepts no liability for defects caused by the customer's installation of the products.
- If the products have been modified or repaired, or the products have not been used, stored or maintained as recommended by Hydraulics International, your claim may be rejected.
- Where the customer has failed to observe the terms of payment for the product, or any other obligation imposed by our Terms & Conditions, your claim may be rejected.
- A restocking fee may be charged at the discretion of Hydraulics International.

PRICES

- All prices stated in this catalogue are in Australian Dollars, and exclude GST.
- All costs associated with cartage, insurance and haulage are not included in this catalogue and are the sole responsibility of the customer unless otherwise agreed.
- While every effort is made to ensure the prices in this catalogue are correct, Hydraulics International fully reserve the right to change these prices without notice.

DELIVERY

- Hydraulics International will not be responsible for any delays arising from individual dispute or causes outside of its control.

M+S MOTOR CROSS REFERENCING TABLE



M+S Orbital Motors	BOSCH / REXROTH	BREVINI / SAM	DANFOSS	EATON CHAR LYNN	PARKER	ROSS / TRW	WHITE
MM	MGX	BGM	OMM				WM (125/126)
MLHM			OMM (US)	J Series			
MP	MGP/GMP	BGE	OMP			MF	WP (155)
MLHP			OMP (US)				
PL					TE		
HP		BH	DH	H Series	TB	MG	WD (145)
MR	MGR/GMR	BRE	OMR				WR (255)
MLHR			OMR(US)				
RL					TE	MB	RS (200)
HR		BS	DS	S, T Series			WG
RW	MGRW		OMEW				
MLHRW			OMEW (US)				
MH			OMH				
HW				Delta	TG		RE (300)
MS	MGS/GMS	HR	OMS				WS
MLHS		HRS	OMS (US)	2000 Series	TG	ME	RE (300)
MYZ				4000 Series		MJ	
MT	MGT/GMT	HT	OMT	4000 Series			
MLHT			OMT (US)	6000 Series	TK		
MTM			TMT				
MV	MGV/GMV		OMV				
MLHV			OMT (US)				
MVM				10000 Series			
HKU	LAGC		OSPB	3, 6, 9, 12 Series			
HKUS			OSPC				

Information in these tables are a guide only. Please contact the office for full technical support.

ORBITAL MOTORS

HYDRAULIC GEAR PUMPS & MOTORS

MOBILE VALVES

CETOP VALVES & ACCESSORIES

PRESSURE & FLOW CONTROL VALVES



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