

KGM1.5 Group 1 Gear Motors



TIMALCO
HYDRAULICS

1:8 Taper Shaft

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KGM1.5 Group 1 Motors

Bidirectional

1/4" BSPP Case Drain

BSPP Side Ports

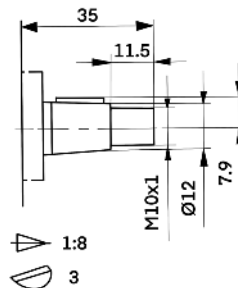
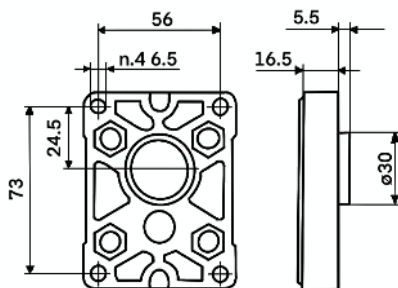
1:8 Taper Shaft

Heavy Duty Shaft!

High Pressure Shaft Seals



Part Number	cc/rev	Ports	Max Pressure			Max Speed	Min Speed
			P1	P2	P3		
			bar	bar	bar	r/min	r/min
KGM1.5E1R1.4Z3L2PST3	1.4	3/8" BSPP	200	225	250	6000	800
KGM1.5E1R2.1Z3L2PST3	2.1	3/8" BSPP	200	225	250	6000	800
KGM1.5E1R2.8Z3L2PST3	2.8	3/8" BSPP	200	225	250	5000	800
KGM1.5E1R3.5Z3L2PST3	3.5	3/8" BSPP	200	225	250	5000	800
KGM1.5E1R4.1Z3L4PST3	4.1	1/2" BSPP	200	225	250	4000	800
KGM1.5E1R5.2Z3L4PST3	5.2	1/2" BSPP	200	225	250	4000	800
KGM1.5E1R6.2Z3L4PST3	6.2	1/2" BSPP	200	225	250	3800	800
KGM1.5E1R7.6Z3L4PST3	7.6	1/2" BSPP	200	215	230	3200	600
KGM1.5E1R9.3Z3L4PST3	9.3	1/2" BSPP	180	195	210	2600	600
KGM1.5E1R11.0Z3L4PST3	11.0	1/2" BSPP	170	185	200	2200	600
KGM1.5E1R13.8Z3L4PST3	13.8	1/2" BSPP	150	165	180	1800	600



E1 Group 1 Mount

Z3 1:8 Taper Shaft

BSPP Ports

KGM1.5 Group 1 Motor Ordering Code

KG	M	1.5	E1	R	1.4	Z3	L2	PS	T3
Series: Front and end cover material is cast iron.	Motor	Group 1.5	Front Cover E1	Rotation: R - Reversible	Displacement cc/rev: 1.4 2.1 2.8 3.5 4.1 5.2 6.2 7.6 9.3 11.0 13.8	Shaft: Z3 - 1:8 Taper	Ports: L2 - 3/8" BSPP L4 - 1/2" BSPP	Seal PS - High Pressure Shaft Seals	Drain T3 - External Drain G1/4

KGM2 Group 2 Motors

1:8 Taper Shaft



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KGM2 Group 2 Motors

Bidirectional

1/4" BSPP Case Drain

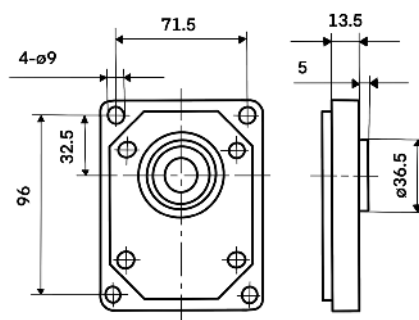
1:8 Taper Shaft

BSPP Side Ports

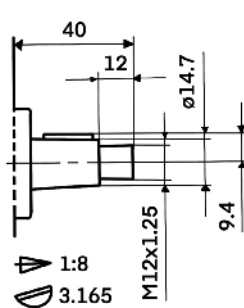
High Pressure Shaft Seals



Part Number	cc/rev	Ports	Max Pressure			Max Speed	Min Speed
			P1	P2	P3		
			bar	bar	bar	r/min	r/min
KGM2E2R6Z5L4PST3	6	1/2" BSPP	200	225	250	4000	600
KGM2E2R8Z5L6PST3	8	3/4" BSPP	200	225	250	3500	500
KGM2E2R10Z5L6PST3	10	3/4" BSPP	200	225	250	3000	500
KGM2E2R12Z5L6PST3	12	3/4" BSPP	200	225	250	3000	500
KGM2E2R14Z5L6PST3	14	3/4" BSPP	200	225	250	3000	500
KGM2E2R16Z5L6PST3	16	3/4" BSPP	200	225	250	3000	500
KGM2E2R18Z5L6PST3	18	3/4" BSPP	200	225	250	3000	500
KGM2E2R20Z5L6PST3	20	3/4" BSPP	200	225	250	3000	400
KGM2E2R22Z5L6PST3	22	3/4" BSPP	200	225	250	3000	400
KGM2E2R25Z5L6PST3	25	3/4" BSPP	200	215	230	3000	400
KGM2E2R28Z5L6PST3	28	3/4" BSPP	180	190	200	2500	400
KGM2E2R30Z5L6PST3	30	3/4" BSPP	160	170	180	2500	400



E2 Front Cover



Z5 1:8 Taper Shaft



BSPP Ports

KGM2 Group 2 Motor Ordering Code

KG	M	2	E2	R	6	Z5	L6	PS	T3
Series: Cast Iron Covers	Motor	Group 2	Front Cover E2 - Group 2	Rotation: R - Reversible	cc/rev: 6 8 10 12 14 16 18 20 22 25 28 30	Shaft: Z5 - 1:8 Taper	Ports: L4 - 1/2" BSPP L6 - 3/4" BSPP	Seal PS - High Pressure Shaft Seals	Case Drain T3 - External Drain G1/4

KGM2 SAE A Gear Motors



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5/8" 9 Tooth Splined Shaft

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KGM2 SAE A Gear Motors

Bidirectional

1/4" BSPP Case Drain

SAE A Mount

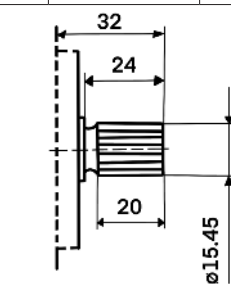
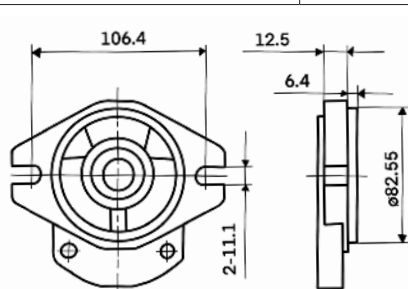
5/8" 9 Tooth Splined Shaft

BSPP Side Ports

High Pressure Shaft Seals



Part Number	cc/rev	Ports	Max Pressure			Max Speed	Min Speed
			P1	P2	P3		
			bar	bar	bar	r/min	r/min
KGM2A2R6J5L4PST3	6	1/2" BSPP	200	225	250	4000	600
KGM2A2R8J5L6PST3	8	3/4" BSPP	200	225	250	3500	500
KGM2A2R10J5L6PST3	10	3/4" BSPP	200	225	250	3000	500
KGM2A2R12J5L6PST3	12	3/4" BSPP	200	225	250	3000	500
KGM2A2R14J5L6PST3	14	3/4" BSPP	200	225	250	3000	500
KGM2A2R16J5L6PST3	16	3/4" BSPP	200	225	250	3000	500
KGM2A2R18J5L6PST3	18	3/4" BSPP	200	225	250	3000	500
KGM2A2R20J5L6PST3	20	3/4" BSPP	200	225	250	3000	400
KGM2A2R22J5L6PST3	22	3/4" BSPP	200	225	250	3000	400
KGM2A2R25J5L6PST3	25	3/4" BSPP	200	215	230	3000	400
KGM2A2R28J5L6PST3	28	3/4" BSPP	180	190	200	2500	400
KGM2A2R30J5L6PST3	30	3/4" BSPP	160	170	180	2500	400



DP16/32-30° -9T



A2 SAE A Front Cover

J5 5/8" 9 Tooth Splined Shaft

BSPP Ports

KGM2 Group 2 Motor Ordering Code

KG	M	2	A2	R	6	J5	L6	PS	T3
Series: Cast Iron Covers	Motor	Group 2	Front Cover: A2 - SAE A	Rotation: R - Reversible	cc/rev: 6 8 10 12 14 16 18 20 22 25 28 30	Shaft: J5 - 5/8" 9 Tooth Splined	Ports: L4 - 1/2" BSPP L6 - 3/4" BSPP	Seal PS - High Pressure Shaft Seals	Case Drain T3 - External Drain G1/4

KGM2 SAE A Gear Motors



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5/8" Straight Keyed Shaft

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KGM2 SAE A Gear Motors

Bidirectional

1/4" BSPP Case Drain

SAE A Mount

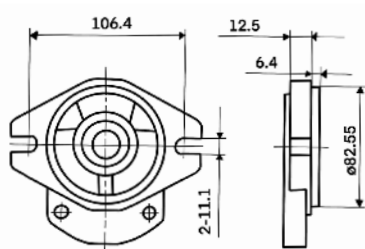
5/8" Straight Keyed Shaft

BSPP Side Ports

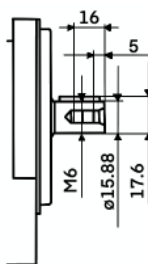
High Pressure Shaft Seals



Part Number	cc/rev	Ports	Max Pressure			Max Speed	Min Speed
			P1	P2	P3		
			bar	bar	bar	r/min	r/min
KGM2A2R 6P12L4PST3	6	1/2" BSPP	200	225	250	4000	600
KGM2A2R8P12L6PST3	8	3/4" BSPP	200	225	250	3500	500
KGM2A2R10P12L6PST3	10	3/4" BSPP	200	225	250	3000	500
KGM2A2R12P12L6PST3	12	3/4" BSPP	200	225	250	3000	500
KGM2A2R14P12L6PST3	14	3/4" BSPP	200	225	250	3000	500
KGM2A2R16P12L6PST3	16	3/4" BSPP	200	225	250	3000	500
KGM2A2R18P12L6PST3	18	3/4" BSPP	200	225	250	3000	500
KGM2A2R20P12L6PST3	20	3/4" BSPP	200	225	250	3000	400
KGM2A2R22P12L6PST3	22	3/4" BSPP	200	225	250	3000	400
KGM2A2R25P12L6PST3	25	3/4" BSPP	200	215	230	3000	400
KGM2A2R28P12L6PST3	28	3/4" BSPP	180	190	200	2500	400
KGM2A2R30P12L6PST3	30	3/4" BSPP	160	170	180	2500	400



A2 SAE A Front Cover



P12 5/8" Straight Keyed Shaft



BSPP Ports

KGM2 Group 2 Motor Ordering Code

KG	M	2	A2	R	6	P12	L6	PS	T3
Series: Cast Iron Covers	Motor	Group 2	Front Cover: A2 - SAE A	Rotation: R - Reversible	cc/rev: 6 8 10 12 14 16 18 20 22 25 28 30	Shaft: P12 - 5/8" Straight Keyed Shaft	Ports: L4 - 1/2" BSPP L6 - 3/4" BSPP	Seal PS - High Pressure Shaft Seals	Case Drain T3 - External Drain G1/4

KGM3 Group 3 Gear Motors



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1:8 Taper Shaft

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KGM3 Group 3 Gear Motors

Bidirectional

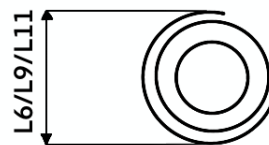
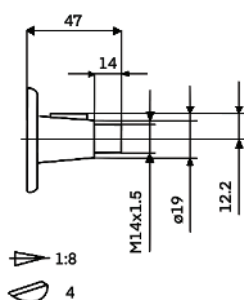
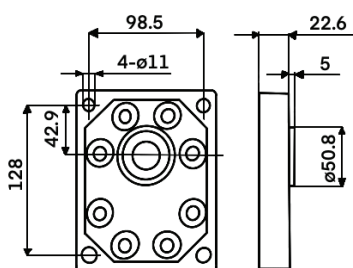
3/8" BSPP Case Drain

1:8 Taper Shaft

BSPP Side Ports

High Pressure Shaft Seals

Part Number	cc/rev	Max Pressure			Max Speed	Min Speed	Ports	
		P1	P2	P3			Inlet	Outlet
		bar	bar	bar	r/min	r/min		
KGM3E8D20Z9L6PST8	20	200	225	250	3500	600	3/4" BSPP	3/4" BSPP
KGM3E8D22Z9L6PST8	22	200	225	250	3500	600		
KGM3E8D26Z9L9PST8	26	200	225	250	3000	600	1" BSPP	1" BSPP
KGM3E8D33Z9L9PST8	33	200	225	250	3000	500		
KGM3E8D39Z9L9PST8	39	200	225	250	3000	500		
KGM3E8D46Z9L9PST8	46	200	225	250	3000	500		
KGM3E8D50Z9L9PST8	50	200	225	250	3000	500		
KGM3E8D52Z9L9PST8	52	200	225	250	3000	500		
KGM3E8D55Z9L9PST8	55	200	230	250	2800	400	1 1/4" BSPP	1 1/4" BSPP
KGM3E8D63Z9L11PST8	63	200	230	250	2800	400		
KGM3E8D71Z9L11PST8	71	180	200	220	2500	400		



E8 Front Cover

Z9 1:8 Taper Shaft

BSPP Ports

KGM3 Gear Motor Ordering Code

KG	M	3	E8	R	20	Z9	L6	PS	T8
Series: Cast Iron Covers	Motor	Group 3	Front Cover E8 - Group 3 A8 - SAE	Rotation: D - Clockwise R - Reversible	Displacement cc/rev: 20 22 26 33 39 46 50 52 55 63 71	Shaft: Z9 - 1:8 Taper P16 - 7/8" Straight Keyed	Ports L6 - 3/4" Inlet, 3/4" Outlet L9 - 1" Inlet, 1" Outlet L11 - 1 1/4" Inlet, 1 1/4" Outlet	Seal PS - High Pressure Shaft Seals	Drain T8 - External Drain G3/8

KGM3 SAE B Gear Motors



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7/8" Straight Keyed Shaft

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KGM3 SAE B Gear Motors

Bidirectional

3/8" BSPP Case Drain

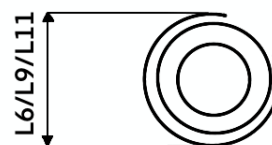
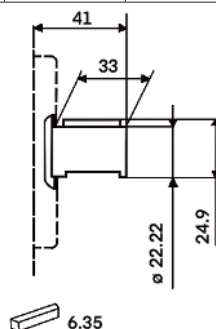
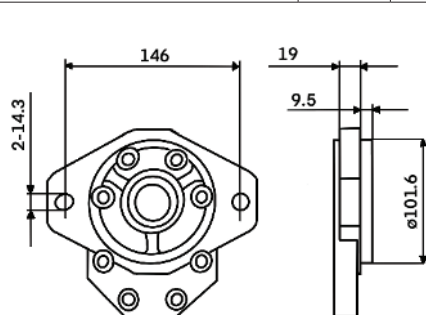
SAE B Mount

7/8" Straight Keyed Shaft

BSPP Side Ports

High Pressure Shaft Seals

Part Number	cc/rev	Max Pressure			Max Speed	Min Speed	Ports	
		P1	P2	P3			Inlet	Outlet
		bar	bar	bar	r/min	r/min		
KGM3A8R20P16L6PST8	20	200	225	250	3500	600	3/4" BSPP	3/4" BSPP
KGM3A8R22P16L6PST8	22	200	225	250	3500	600		
KGM3A8R26P16L9PST8	26	200	225	250	3000	600	1" BSPP	1" BSPP
KGM3A8R33P16L9PST8	33	200	225	250	3000	500		
KGM3A8R39P16L9PST8	39	200	225	250	3000	500		
KGM3A8R46P16L9PST8	46	200	225	250	3000	500		
KGM3A8R50P16L9PST8	50	200	225	250	3000	500		
KGM3A8R52P16L9PST8	52	200	225	250	3000	500		
KGM3A8R55P16L9PST8	55	200	230	250	3000	400	1 1/4" BSPP	1 1/4" BSPP
KGM3A8R63P16L11PST8	63	200	230	250	2800	400		
KGM3A8R71P16L11PST8	71	180	200	220	2500	400		



A8 SAE B Front Cover

P16 7/8" Straight Keyed Shaft

BSPP Ports

KGM 3 Group 3 Motor Ordering Code

KG	M	3	A8	R	20	P16	L6	PS	T8
Series: Cast Iron Covers	Motor	Group 3	Front Cover E8 - Group 3 A8 - SAE B	Rotation: D - Clockwise R - Reversible	Displacement cc/rev: 20 22 26 33 39 46 50 52 55 63 71	Shaft: Z9 - 1:8 Taper P16 - 7/8" Straight Keyed J17 - 7/8" 13 Tooth Splined	Ports L6 - 3/4" Inlet, 3/4" Outlet L9 - 1" Inlet, 1" Outlet L11 - 1 1/4" Inlet, 1 1/4" Outlet	Seal PS - High Pressure Shaft Seals	Drain T8 - External Drain G3/8

KGM3 SAE B Gear Motors



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7/8" 13 Tooth Splined Shaft

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KGM3 SAE B Gear Motors

Bidirectional

3/8" BSPP Case Drain

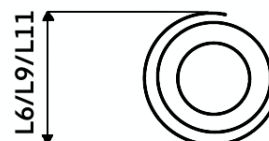
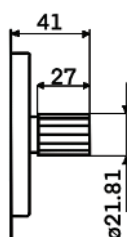
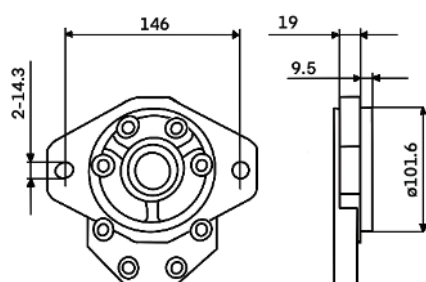
SAE B Mount

7/8" 13 Tooth Splined Shaft

BSPP Side Ports

High Pressure Shaft Seals

Part Number	cc/rev	Max Pressure			Max Speed	Min Speed	Ports	
		P1	P2	P3			Inlet	Outlet
		bar	bar	bar	r/min	r/min		
KGM3A8R20J17L6PST8	20	200	225	250	3500	600	3/4" BSPP	3/4" BSPP
KGM3A8R22J17L6PST8	22	200	225	250	3500	600		
KGM3A8R26J17L9PST8	26	200	225	250	3000	600	1" BSPP	1" BSPP
KGM3A8R33J17L9PST8	33	200	225	250	3000	500		
KGM3A8R39J17L9PST8	39	200	225	250	3000	500		
KGM3A8R46J17L9PST8	46	200	225	250	3000	500		
KGM3A8R50J17L9PST8	50	200	225	250	3000	500		
KGM3A8R52J17L9PST8	52	200	225	250	3000	500		
KGM3A8R55J17L9PST8	55	200	230	250	3000	400	1 1/4" BSPP	1 1/4" BSPP
KGM3A8R63J17L11PST8	63	200	230	250	2800	400		
KGM3A8R71J17L11PST8	71	180	200	220	2500	400		



A8 SAE B Front Cover

J17 7/8" 13T Splined Shaft

BSPP Ports

KGM 3 Group 3 Motor Ordering Code

KG	M	3	A8	R	20	J17	L6	PS	T8
Series: Cast Iron Covers	Motor	Group 3	Front Cover E8 - Group 3 A8 - SAE B	Rotation: D - Clockwise R - Reversible	Displacement cc/rev: 20 22 26 33 39 46 50 52 55 63 71	Shaft: Z9 - 1:8 Taper P16 - 7/8" Straight Keyed J17 - 7/8" 13 Tooth Splined Shaft	Ports L6 - 3/4" Inlet, 3/4" Outlet L9 - 1" Inlet, 1" Outlet L11 - 1 1/4" Inlet, 1 1/4" Outlet	Seal PS - High Pressure Shaft Seals	Drain T8 - External Drain G3/8