

### Features

- All purpose external gear motor
- Used for mechanical rotary actuation from a hydraulic supply
- Internal check valve directs internal leakage to the low pressure side of the motor. No external drain line required.
- Aluminum front flange, rear cover plate and aluminum body
- Rotation speed up to 4000 rpm continuous
- Pressure to 200 Bar (2900 psi) continuous, peak = 250 Bar (3625psi)



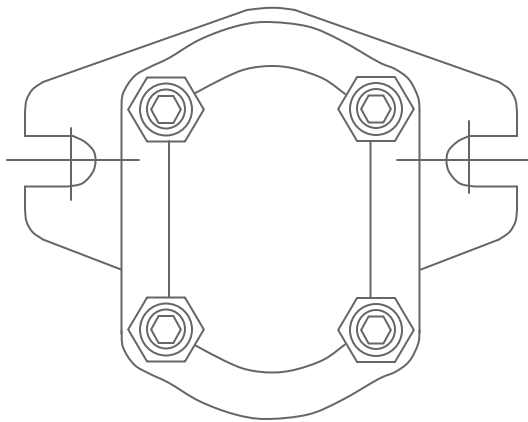
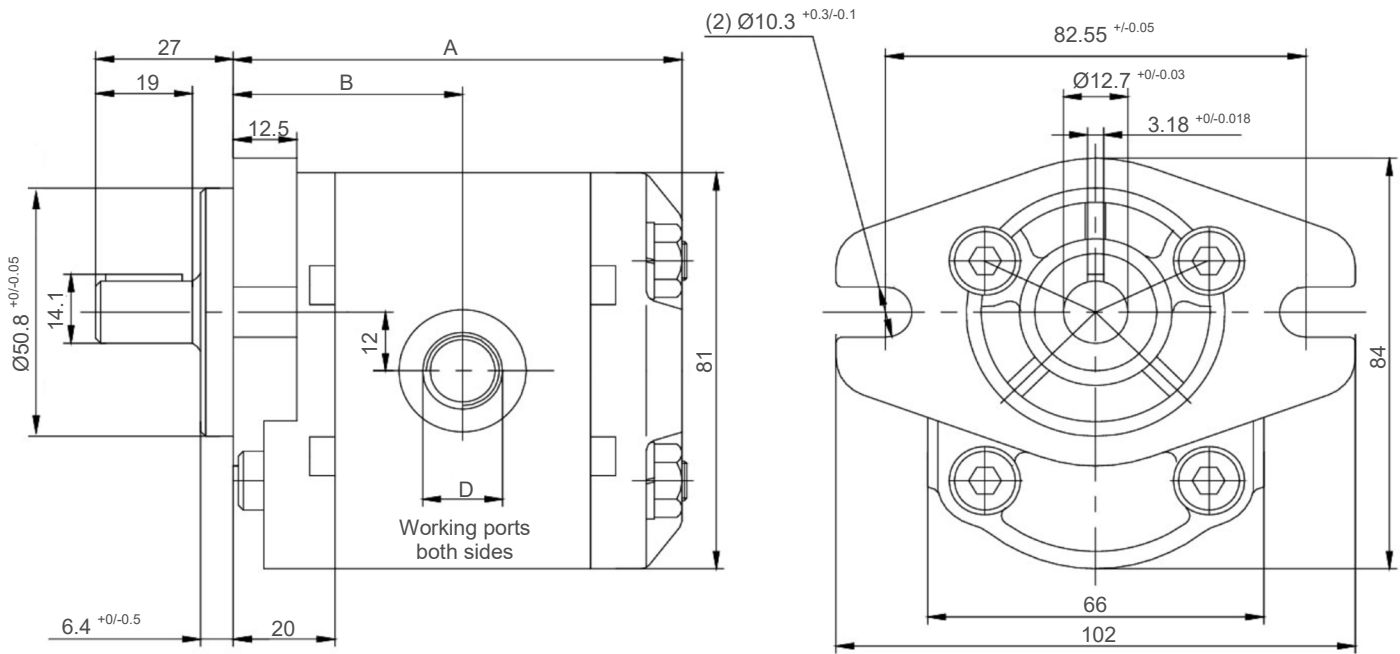
### Ordering Details

M	Motor																	
F	Fixed																	
EG	External Gear																	
3.4-	CC, Centimeters <sup>3</sup> /rev.: 1.3, 2, 2.7, 3.4																	
9T.5-	Shaft Style																	
	<table border="1"> <thead> <tr> <th colspan="3">Keyed</th> </tr> <tr> <th>Code</th> <th>Shaft Dia., in.</th> <th>Key Width, in.</th> </tr> </thead> <tbody> <tr> <td>K0.5</td> <td>0.500</td> <td>0.125</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th colspan="3">Spline</th> </tr> <tr> <th>Code</th> <th>Shaft Dia., in.</th> <th>Details</th> </tr> </thead> <tbody> <tr> <td>9T.5</td> <td>0.500</td> <td>9T 20/40</td> </tr> </tbody> </table>	Keyed			Code	Shaft Dia., in.	Key Width, in.	K0.5	0.500	0.125	Spline			Code	Shaft Dia., in.	Details	9T.5	0.500
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2AA-	Mounting Flange: 2AA=SAE AA - 2 Bolt																	
O8	Ports: O8 = SAE -8, 3/4-16																	
S-	Ports: S=Side Threaded																	
B-	Rotation: B=Bi-Directional																	
1	Series																	

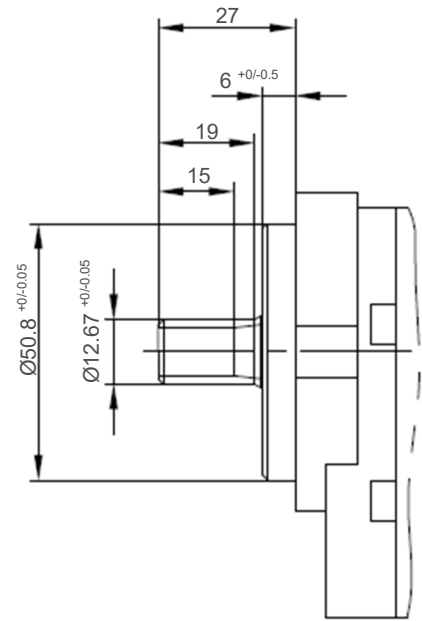
Example Part Number: MFEG3.4-9T.5-2AA-O8S-B-1

# Section 1 – Dimensional and Technical Data

## K0.5 – Keyed Shaft: Dimensions in mm



## 9T.5—Spline



Displacement cc/rev	A mm	B mm	Working Ports D	Weight, Kg
1.3	82	42	SAE -8, 3/4-16	1.2
2	84	43		
2.7	86	43		
3.4	88	45		

Displacement cc/rev	Pressure PSI (bar)		Speed r/min		Total Efficiency %	Volumetric Efficiency %	Mechanical Efficiency %	Fluid Temp. Range °C	Recommended Fluid Viscosity Range mm <sup>2</sup> /s	Recommended Fluid Cleanliness
	Continuous	Peak	Continuous	Min						
1.3	2900 (200)	3625 (250)	4000	650	78	90	85	-20 to +90	10 to 45	NAS1638 - 8 ISO4406 17/14 Filter = 10µm
2										
2.7										
3.4										

Output Torque [N-m] = pressure drop [bar] x displacement [cc/rev] x mechanical efficiency [%] / 62.83