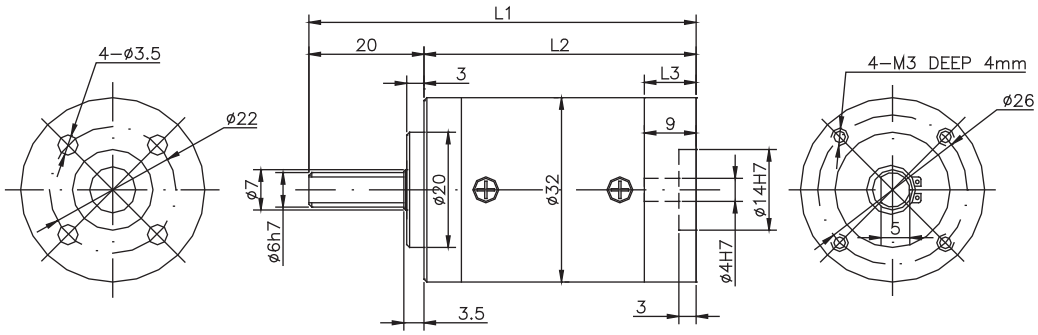
MGH032 Planetary Gearbox

Mechanical



Specifications

No. Of Stages	1 Stage Reduction	2 Stage Reduction	3 Stage Reduction
Gearing Efficiency	90%	81%	73%
Max. Radial Force	80N	115N	140N
Max. Axial Force	30N	40N	50N
Peak Torque	3 Times Rated Torque		
Working Temperature	-10°C～+80°C		
Lubrication Mode	Lifetime Lubrication		
Mounting Mode	Any Mounting		
Recommend Input Speed	3000RPM		
Input And Output	Same Direction		
Gearbox Length L1	46.5mm	56.3mm	66.1mm
Box Length L2	37.5mm	47.3mm	57.1mm
Rear Cover Length L3	9mm		

First Planetary Material		1 Stage Reduction	2 Stage Reduction	3 Stage Reduction
Transmission Torque	Plastic POM	0.4Nm	1.5Nm	4Nm
	Metal 40Cr	1Nm	2.25Nm	4Nm
Noise	Plastic POM	45dB(A)		
	Metal 40Cr	60dB(A)		

Gear Ratio

1 Stage Reduction	2 Stage Reduction	3 Stage Reduction	
3.7	14(13.8)	51(50.6)	168(168.5)
5.18	19(19.1)	71(70.9)	181(181.1)
6.75	25(24.9)	92(92.4)	236(236)
	27(26.8)	99(99.2)	307(307.5)
	35(34.9)	129(129.3)	
	45(45.5)	139(139)	