

DC Gear Motor Series

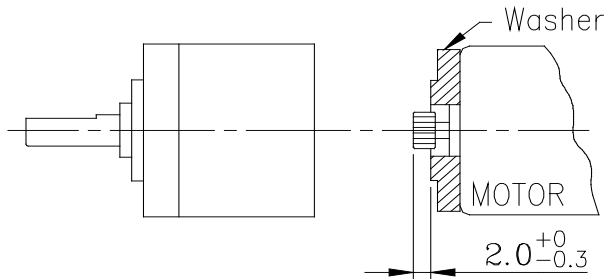


Gearbox with Ball/Sleeve Bearings

EP22

Operating Relative Humidity: 20%~85%RH
 Operating Temperature Range: -10°C~+60°C

MOTOR INSTALLATION



SPECIFICATIONS

Reduction Ratio	Exact Reduction Ratio	Related Torque	Max Momentary Tolerance Torque	Efficiency	Radial Play of Shaft		Thrust Play of Shaft		L	Module	No. of Teeth	Pressure Angle	Hole Diameter
					Sleeve Bearings	Ball Bearings	Sleeve Bearings	Ball Bearings					
1/4	4 5/13	1.0kgf-cm Max	3.0 kgf-cm	80%	≤0.05mm	≤0.04mm	≤0.2mm	≤0.2mm	14.40	0.3	13	20°	1.98
1/14	14 1/16	1.5kgf-cm Max	4.5 kgf-cm	70%	≤0.05mm	≤0.04mm	≤0.2mm	≤0.2mm	18.05	0.3	13	20°	1.98
1/16, 1/19	16 23/52, 19 38/169	1.5kgf-cm Max	4.5 kgf-cm	70%	≤0.05mm	≤0.04mm	≤0.2mm	≤0.2mm	21.70	0.3	13	20°	1.98
1/62, 1/84	61 137/208, 84 645/2197	2.0kgf-cm Max	6.0 kgf-cm	60%	≤0.05mm	≤0.04mm	≤0.2mm	≤0.2mm	21.70	0.3	13	20°	1.98
1/104	103 688/845	2.0kgf-cm Max	6.0 kgf-cm	60%	≤0.05mm	≤0.04mm	≤0.2mm	≤0.2mm	25.35	0.3	13	20°	1.98
1/231	231 183/832	2.5kgf-cm Max	7.5 kgf-cm	50%	≤0.05mm	≤0.04mm	≤0.2mm	≤0.2mm	25.35	0.3	13	20°	1.98
1/316	316 887/878	2.5kgf-cm Max	7.5 kgf-cm	50%	≤0.05mm	≤0.04mm	≤0.2mm	≤0.2mm	25.35	0.3	13	20°	1.98
1/370	369 16992/28561	2.5kgf-cm Max	7.5 kgf-cm	50%	≤0.05mm	≤0.04mm	≤0.2mm	≤0.2mm	25.35	0.3	13	20°	1.98
1/455	455 2036/10985	2.5kgf-cm Max	7.5 kgf-cm	50%	≤0.05mm	≤0.04mm	≤0.2mm	≤0.2mm	29.00	0.3	13	20°	1.98
1/1014	1013 8767/10816	3.0kgf-cm Max	9.0 kgf-cm	40%	≤0.05mm	≤0.04mm	≤0.2mm	≤0.2mm	29.00	0.3	13	20°	1.98
1/1621	1620 197397/371293	3.0kgf-cm Max	9.0 kgf-cm	40%	≤0.05mm	≤0.04mm	≤0.2mm	≤0.2mm	29.00	0.3	13	20°	1.98
1/1996	1995 116052/142805	3.0kgf-cm Max	9.0 kgf-cm	40%	≤0.05mm	≤0.04mm	≤0.2mm	≤0.2mm	29.00	0.3	13	20°	1.98

DRAWING

