

EJM SERIES Right-angle Worm

EJM 005 1-Stage Specifications

Frame Size	005						
Stage	1-Stage						
Ratio	Unit	Note	5	7.5	10	15	20
Nominal Output Torque	[Nm]	--	81	88	90	100	101
Maximum Acceleration Torque	[Nm]	--	105	112	100	120	123
Emergency Stop Torque	[Nm]	--	162	176	180	200	202
No Load Running Torque	[Nm]	*1	1.61				
Nominal Input Speed	[rpm]	--	2,000				
Maximum Continuous Input Speed	[rpm]	--	3,000				
Maximum Cyclic Input Speed	[rpm]	--	4,000				
Maximum Radial Load	[N]	*2	4,330				
Maximum Axial Load	[N]	*3	3,110				
Moment of Inertia	[kgcm ²]	--	1.83	1.55	1.45	1.39	1.36
Efficiency	[%]	*4	91	89	87	84	80
Torsional Rigidity	[Nm/arcmin]	--	3.1				
Maximum Torsional Backlash	[Arc-min]	--	≤ 23				
Noise Level	[dBA]	*5	≤ 80				
Ambient Temperature	[°C]	--	-25 ~ 93				
Permitted Housing Temperature	[°C]	--	100				
Protection Class	--	--	IP55				
Lubrication	--	--	Synthetic Oil				
Service Life	[Hours]	--	25,000				
Weight	[kg]	*6	7.3				

*1) Torque at no load applied to the input shaft at 2,000 rpm

*2) The maximum radial load the gearbox can accept

*3) The maximum axial load the gearbox can accept

*4) The efficiency at the nominal output torque rating

*5) Measured with no load applied to the input shaft at 2,000 rpm

*6) Weight may vary slightly between models

EJM 005 1-Stage Specifications

Frame Size	005						
Stage	1-Stage						
Ratio	Unit	Note	25	30	40	50	60
Nominal Output Torque	[Nm]	--	109	105	94	91	85
Maximum Acceleration Torque	[Nm]	--	132	127	114	109	102
Emergency Stop Torque	[Nm]	--	218	210	188	182	170
No Load Running Torque	[Nm]	*1	1.61				
Nominal Input Speed	[rpm]	--	2,000				
Maximum Continuous Input Speed	[rpm]	--	3,000				
Maximum Cyclic Input Speed	[rpm]	--	4,000				
Maximum Radial Load	[N]	*2	4,330				
Maximum Axial Load	[N]	*3	3,110				
Moment of Inertia	[kgcm ²]	--	1.35	1.34	1.34	1.33	1.33
Efficiency	[%]	*4	77	74	67	62	56
Torsional Rigidity	[Nm/arcmin]	--	3.1				
Maximum Torsional Backlash	[Arc-min]	--	≤ 23				
Noise Level	[dBA]	*5	≤ 80				
Ambient Temperature	[°C]	--	-25 ~ 93				
Permitted Housing Temperature	[°C]	--	100				
Protection Class	--	--	IP55				
Lubrication	--	--	Synthetic Oil				
Service Life	[Hours]	--	25,000				
Weight	[kg]	*6	7.3				

*1) Torque at no load applied to the input shaft at 2,000 rpm

*2) The maximum radial load the gearbox can accept

*3) The maximum axial load the gearbox can accept

*4) The efficiency at the nominal output torque rating

*5) Measured with no load applied to the input shaft at 2,000 rpm

*6) Weight may vary slightly between models