

EJM SERIES Right-angle Worm

EJM 002 1-Stage Specifications

Frame Size	002						
Stage	1-Stage						
Ratio	Unit	Note	5	7.5	10	15	20
Nominal Output Torque	[Nm]	--	29	32	33	35	35
Maximum Acceleration Torque	[Nm]	--	38	40	33	42	43
Emergency Stop Torque	[Nm]	--	58	64	66	70	70
No Load Running Torque	[Nm]	*1	0.51				
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	1,780				
Maximum Axial Load	[N]	*3	1,330				
Moment of Inertia	[kgcm ²]	--	0.36	0.33	0.32	0.31	0.31
Efficiency	[%]	*4	87	86	82	77	72
Torsional Rigidity	[Nm/arcmin]	--	1.0				
Maximum Torsional Backlash	[Arc-min]	--	≤ 41				
Noise Level	[dBA]	*5	≤ 73				
Ambient Temperature	[°C]	--	-25 ~ 93				
Permitted Housing Temperature	[°C]	--	100				
Protection Class	--	--	IP55				
Lubrication	--	--	Synthetic Oil				
Service Life	[Hours]	--	25,000				
Weight	[kg]	*6	3.2				

*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 002 1-Stage Specifications

Frame Size	002						
Stage	1-Stage						
Ratio	Unit	Note	25	30	40	50	60
Nominal Output Torque	[Nm]	--	39	36	33	32	30
Maximum Acceleration Torque	[Nm]	--	48	45	39	38	36
Emergency Stop Torque	[Nm]	--	78	72	66	64	60
No Load Running Torque	[Nm]	*1	0.51				
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	1,780				
Maximum Axial Load	[N]	*3	1,330				
Moment of Inertia	[kgcm ²]	--	0.30	0.30	0.30	0.30	0.30
Efficiency	[%]	*4	68	65	56	50	44
Torsional Rigidity	[Nm/arcmin]	--	1.0				
Maximum Torsional Backlash	[Arc-min]	--	≤ 41				
Noise Level	[dBA]	*5	≤ 73				
Ambient Temperature	[°C]	--	-25 ~ 93				
Permitted Housing Temperature	[°C]	--	100				
Protection Class	--	--	IP55				
Lubrication	--	--	Synthetic Oil				
Service Life	[Hours]	--	25,000				
Weight	[kg]	*6	3.2				

*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