

PRODUCT DATASHEET

ES-PG-C36-S009-V001

Precision Transmission Component

Ultra-Precision Planetary Gearboxes | Ultra-Precision Planetary Gearbox Series - ES-PG-C36-S009

Product Overview

Precision Transmission Component with backlash 7 / 3 arcmin, maximum Input Speed 6000 rpm and frame Size 42 mm.

Key Specifications

PARAMETER	VALUE	UNIT
Backlash	7 / 3	arcmin
Maximum Input Speed	6000	rpm
Frame Size	42	mm
Weight	0.8 / 0.6	kg
Compatible Servo Motor Power	100	W
Motor Adapter Interface	T3	
A-Weighted Noise Level	56	dB(A)
Permissible Axial Load	390	N
Permissible Radial Load	780	N

Technical Specifications

PARAMETER	SPECIFICATION	UNIT	NOTES
PERFORMANCE			
Backlash	7 / 3	arcmin	Precision Grade: P2; Reduction Ratio: 15 100; Stage: 2 / Precision Grade: P1; Reduction Ratio: 3 10; Stage: 1
Rated Input Speed	3000	rpm	Reduction Ratio: 3 100; Stage: 2
Torsional Rigidity	2	Nm/arcmin	Reduction Ratio: 3 100; Stage: 2
Permissible Axial Load	390	N	Reduction Ratio: 3 100; Stage: 2
Permissible Radial Load	780	N	Reduction Ratio: 3 100; Stage: 2
MECHANICAL			
Frame Size	42	mm	
Weight	0.8 / 0.6	kg	Reduction Ratio: 15 100; Stage: 2 / Reduction Ratio: 3 10; Stage: 1
ENVIRONMENTAL			
A-Weighted Noise Level	56	dB(A)	Reduction Ratio: 3 100; Stage: 2
ADDITIONAL SPECIFICATIONS			
Maximum Input Speed	6000	rpm	Reduction Ratio: 3 100; Stage: 2
Compatible Servo Motor Power	100	W	
Motor Adapter Interface	T3		

Dimensional & Integration Overview

Mechanical Overview

PARAMETER	VALUE	UNIT
Frame Size	42	mm
Weight	0.8 / 0.6	kg

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Specifications are subject to change without notice. Verify the current product configuration before final design release.
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2D drawings, CAD files and integration documentation are controlled documents and are supplied separately on request.