

PRODUCT DATASHEET

ES-PG-C36-S009-V105

Precision Transmission Component

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

Product Overview

Precision Transmission Component with backlash 1 / 7 arcmin, maximum Input Speed 6000 rpm and frame Size 142 mm.

Key Specifications

PARAMETER	VALUE	UNIT
Backlash	1 / 7	arcmin
Maximum Input Speed	6000	rpm
Frame Size	142	mm
Weight	17.5 / 14.5	kg
Compatible Servo Motor Power	2000	W
Motor Adapter Interface	T5	
A-Weighted Noise Level	65	dB(A)
Permissible Axial Load	4700	N
Permissible Radial Load	9400	N

Technical Specifications

PARAMETER	SPECIFICATION	UNIT	NOTES
PERFORMANCE			
Backlash	1 / 7	arcmin	Precision Grade: P0; Reduction Ratio: 3 10; Stage: 1 / Precision Grade: P2; Reduction Ratio: 15 100; Stage: 2
Rated Input Speed	3000	rpm	Reduction Ratio: 3 100; Stage: 2
Torsional Rigidity	50	Nm/arcmin	Reduction Ratio: 3 100; Stage: 2
Permissible Axial Load	4700	N	Reduction Ratio: 3 100; Stage: 2
Permissible Radial Load	9400	N	Reduction Ratio: 3 100; Stage: 2
MECHANICAL			
Frame Size	142	mm	
Weight	17.5 / 14.5	kg	Reduction Ratio: 15 100; Stage: 2 / Reduction Ratio: 3 10; Stage: 1
ENVIRONMENTAL			
A-Weighted Noise Level	65	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	2000	W	
Motor Adapter Interface	T5		

Dimensional & Integration Overview

Mechanical Overview

PARAMETER	VALUE	UNIT
Frame Size	142	mm
Weight	17.5 / 14.5	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.