

PRODUCT DATASHEET

ES-PG-C36-S009-V110

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 180 mm.

Key Specifications

PARAMETER	VALUE	UNIT
Backlash	1 / 7	arcmin
Maximum Input Speed	6000	rpm
Frame Size	180	mm
Weight	29 / 33	kg
Compatible Servo Motor Power	4000	W
Motor Adapter Interface	T6	
A-Weighted Noise Level	67	dB(A)
Permissible Axial Load	7250	N
Permissible Radial Load	14500	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	145	Nm/arcmin	Reduction Ratio: 3 100; Stage: 2
Permissible Axial Load	7250	N	Reduction Ratio: 3 100; Stage: 2
Permissible Radial Load	14500	N	Reduction Ratio: 3 100; Stage: 2
MECHANICAL			
Frame Size	180	mm	
Weight	29 / 33	kg	Reduction Ratio: 3 10; Stage: 1 / Reduction Ratio: 15 100; Stage: 2
ENVIRONMENTAL			
A-Weighted Noise Level	67	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	4000	W	
Motor Adapter Interface	T6		

Dimensional & Integration Overview

Mechanical Overview

PARAMETER	VALUE	UNIT
Frame Size	180	mm
Weight	29 / 33	kg

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01 Specifications are subject to change without notice. Verify the current product configuration before final design release.

02 2D drawings, CAD files and integration documentation are controlled documents and are supplied separately on request.