

PRODUCT DATASHEET

ES-PG-C36-S009-V017

Precision Transmission Component

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

Product Overview

Precision Transmission Component with backlash 5 / 7 arcmin, maximum Input Speed 6000 rpm and frame Size 60 mm.

Key Specifications

PARAMETER	VALUE	UNIT
Backlash	5 / 7	arcmin
Maximum Input Speed	6000	rpm
Frame Size	60	mm
Weight	1.9	kg
Compatible Servo Motor Power	200	W
Motor Adapter Interface	T1	
Number of Reduction Stages	2	
A-Weighted Noise Level	60	dB(A)
Permissible Axial Load	765	N

Technical Specifications

PARAMETER	SPECIFICATION	UNIT	NOTES
PERFORMANCE			
Backlash	5 / 7	arcmin	Precision Grade: P1; Reduction Ratio: 15 100 / Precision Grade: P2; Reduction Ratio: 15 100
Rated Input Speed	3000	rpm	Reduction Ratio: 3 100
Torsional Rigidity	7	Nm/arcmin	Reduction Ratio: 3 100
Permissible Axial Load	765	N	Reduction Ratio: 3 100
Permissible Radial Load	1530	N	Reduction Ratio: 3 100
MECHANICAL			
Frame Size	60	mm	
Weight	1.9	kg	Reduction Ratio: 15 100
Planetary Gearbox Key Width B1	5	mm	
Planetary Gearbox Key Height H1	18	mm	

Technical Specifications

PARAMETER	SPECIFICATION	UNIT	NOTES
MECHANICAL			
Planetary Gearbox Housing Length L3	7	mm	
Planetary Gearbox Spigot Diameter D6	80	mm	
Planetary Gearbox Key Length L6	2	mm	
ENVIRONMENTAL			
A-Weighted Noise Level	60	dB(A)	Reduction Ratio: 3 100
ADDITIONAL SPECIFICATIONS			
Maximum Input Speed	6000	rpm	Reduction Ratio: 3 100
Compatible Servo Motor Power	200	W	
Motor Adapter Interface	T1		
Number of Reduction Stages	2		

Dimensional & Integration Overview

Mechanical Overview

PARAMETER	VALUE	UNIT
Frame Size	60	mm
Weight	1.9	kg
Planetary Gearbox Key Width B1	5	mm
Planetary Gearbox Key Height H1	18	mm
Planetary Gearbox Housing Length L3	7	mm
Planetary Gearbox Spigot Diameter D6	80	mm

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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.