PRODUCT DATASHEET

ES-PG-C36-S009-V039

Precision Transmission Component

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

Product Overview

Precision Transmission Component with backlash 3 / 7 arcmin, maximum Input Speed 6000 rpm and frame Size 90 mm.

Key Specifications

PARAMETER	VALUE	UNIT
Backlash	3 / 7	arcmin
Maximum Input Speed	6000	rpm
Frame Size	90	mm
Weight	3.7 / 4.1	kg
Compatible Servo Motor Power	750	W
Motor Adapter Interface	T3	
A-Weighted Noise Level	60	dB(A)
Permissible Axial Load	1625	N
Permissible Radial Load	3250	N

Technical Specifications

PARAMETER	SPECIFICATION	UNIT	NOTES
PERFORMANCE			
Backlash	3 / 7	arcmin	Precision Grade: P1; 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	14	N·m/arcmin	Reduction Ratio: 3 100; Stage: 2
Permissible Axial Load	1625	N	Reduction Ratio: 3 100; Stage: 2
Permissible Radial Load	3250	N	Reduction Ratio: 3 100; Stage: 2
MECHANICAL			
Frame Size	90	mm	
Weight	3.7 / 4.1	kg	Reduction Ratio: 3 10; Stage: 1 / Reduction Ratio: 15 100; Stage: 2
Planetary Gearbox Key Length L6	3 / 2	mm	Stage: 2 / Stage: 1
ENVIRONMENTAL			
A-Weighted Noise Level	60	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	750	W	
Motor Adapter Interface	T3		

Dimensional & Integration Overview

Mechanical Overview

PARAMETER	VALUE	UNIT
Frame Size	90	mm
Weight	3.7 / 4.1	kg
Planetary Gearbox Key Length L6	3 / 2	mm

View Product Online Request Engineering Data Request a Quote

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.