PRODUCT DATASHEET

ES-PG-C36-S009-V013

Precision Transmission Component

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

Product Overview

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

Key Specifications

PARAMETER	VALUE	UNIT
Backlash	7 / 5	arcmin
Maximum Input Speed	6000	rpm
Frame Size	60	mm
Weight	1.9	kg
Compatible Servo Motor Power	200	W
Motor Adapter Interface	T1	
A-Weighted Noise Level	60	dB(A)
Permissible Axial Load	765	N
Permissible Radial Load	1530	N

Technical Specifications

PARAMETER	SPECIFICATION	UNIT	NOTES
PERFORMANCE			
Backlash	7 / 5	arcmin	Precision Grade: P2; Reduction Ratio: 15 100; Stage: 2 / Precision Grade: P1; Reduction Ratio: 15 100; Stage: 2
Rated Input Speed	3000	rpm	Reduction Ratio: 3 100; Stage: 2
Torsional Rigidity	7	N·m/arcmin	Reduction Ratio: 3 100; Stage: 2
Permissible Axial Load	765	N	Reduction Ratio: 3 100; Stage: 2
Permissible Radial Load	1530	N	Reduction Ratio: 3 100; Stage: 2
MECHANICAL			
Frame Size	60	mm	
Weight	1.9	kg	Reduction Ratio: 15 100; Stage: 2
Planetary Gearbox Key Width B1	5	mm	Stage: 2

Technical Specifications

PARAMETER	SPECIFICATION	UNIT	NOTES
MECHANICAL			
Planetary Gearbox Key Height H1	18	mm	Stage: 2
Planetary Gearbox Housing Length L3	7	mm	Stage: 2
Planetary Gearbox Spigot Diameter D6	80	mm	Stage: 2
Planetary Gearbox Key Length L6	2	mm	Stage: 2
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	200	W	
Motor Adapter Interface	T1		

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.