PRODUCT DATASHEET

ES-PG-C36-S009-V096

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 / 3 arcmin, maximum Input Speed 6000 rpm and frame Size 115 mm.

Key Specifications

PARAMETER	VALUE	UNIT
Backlash	7 / 5 / 3	arcmin
Maximum Input Speed	6000	rpm
Frame Size	115	mm
Weight	9	kg
Compatible Servo Motor Power	750	W
Motor Adapter Interface	T4	
Rated Output Torque	208 / 290	N·m
Number of Reduction Stages	2	
A-Weighted Noise Level	63	dB(A)

Technical Specifications

PARAMETER	SPECIFICATION	UNIT	NOTES
PERFORMANCE			
Backlash	7 / 5 / 3	arcmin	Varies by published configuration.
Rated Output Torque	208 / 290	N·m	Reduction Ratio: 15 / Reduction Ratio: 20
Rated Input Speed	3000	rpm	Reduction Ratio: 3 100
Torsional Rigidity	25	N·m/arcmin	Reduction Ratio: 3 100
Permissible Axial Load	3350	N	Reduction Ratio: 3 100
Permissible Radial Load	6700	N	Reduction Ratio: 3 100
MECHANICAL			
Frame Size	115	mm	
Weight	9	kg	Reduction Ratio: 15 100
Planetary Gearbox Key Width B1	10	mm	

Technical Specifications

PARAMETER	SPECIFICATION	UNIT	NOTES
MECHANICAL			
Planetary Gearbox Key Height H1	35	mm	
Planetary Gearbox Housing Length L3	12	mm	
Planetary Gearbox Spigot Diameter D6	152	mm	
Planetary Gearbox Key Length L6	5	mm	
ENVIRONMENTAL			
A-Weighted Noise Level	63	dB(A)	Reduction Ratio: 3 100
ADDITIONAL SPECIFICATIONS			
Maximum Input Speed	6000	rpm	Reduction Ratio: 3 100
Compatible Servo Motor Power	750	W	
Motor Adapter Interface	T4		
Number of Reduction Stages	2		

Dimensional & Integration Overview

Mechanical Overview

PARAMETER	VALUE	UNIT
Frame Size	115	mm
Weight	9	kg
Planetary Gearbox Key Width B1	10	mm
Planetary Gearbox Key Height H1	35	mm
Planetary Gearbox Housing Length L3	12	mm
Planetary Gearbox Spigot Diameter D6	152	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.