PRODUCT DATASHEET

ES-PG-C36-S009-V059

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 90 mm.

Key Specifications

PARAMETER	VALUE	UNIT
Backlash	5 / 7	arcmin
Maximum Input Speed	6000	rpm
Frame Size	90	mm
Weight	5.3	kg
Compatible Servo Motor Power	750	W
Motor Adapter Interface	T3	
Rated Output Torque	130	N·m
Number of Reduction Stages	2	
A-Weighted Noise Level	63	dB(A)

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 Output Torque	130	N·m	Reduction Ratio: 15
Rated Input Speed	3000	rpm	Reduction Ratio: 3 100
Torsional Rigidity	14	N·m/arcmin	Reduction Ratio: 3 100
Permissible Axial Load	1625	N	Reduction Ratio: 3 100
Permissible Radial Load	3250	N	Reduction Ratio: 3 100
MECHANICAL			
Frame Size	90	mm	
Weight	5.3	kg	Reduction Ratio: 15 100
Planetary Gearbox Key Width B1	6	mm	

Technical Specifications

PARAMETER	SPECIFICATION	UNIT	NOTES
MECHANICAL			
Planetary Gearbox Key Height H1	24.5	mm	
Planetary Gearbox Housing Length L3	10	mm	
Planetary Gearbox Spigot Diameter D6	116	mm	
Planetary Gearbox Key Length L6	3	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	T3		
Number of Reduction Stages	2		

Dimensional & Integration Overview

Mechanical Overview

PARAMETER	VALUE	UNIT
Frame Size	90	mm
Weight	5.3	kg
Planetary Gearbox Key Width B1	6	mm
Planetary Gearbox Key Height H1	24.5	mm
Planetary Gearbox Housing Length L3	10	mm
Planetary Gearbox Spigot Diameter D6	116	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.