

PRODUCT DATASHEET

ES-PG-C36-S008-V017

Precision Transmission Component

Ultra-Precision Planetary Gearboxes | Ultra-Precision Planetary Gearbox Series - ES-PG-C36-S008

Product Overview

Precision Transmission Component with backlash 4 / 9 / 7 arcmin, maximum Input Speed 6000 rpm and frame Size 90 mm.

Key Specifications

PARAMETER	VALUE	UNIT
Backlash	4 / 9 / 7	arcmin
Maximum Input Speed	6000	rpm
Frame Size	90	mm
Weight	7.8	kg
Compatible Servo Motor Power	750	W
Motor Adapter Interface	T3	
Number of Reduction Stages	2	
A- Weighted Noise Level	65	dB(A)
Permissible Axial Load	1625	N

Technical Specifications

PARAMETER	SPECIFICATION	UNIT	NOTES
PERFORMANCE			
Backlash	4 / 9 / 7	arcmin	Varies by published configuration.
Rated Input Speed	3000	rpm	Reduction Ratio: 3 200
Torsional Rigidity	14	Nm/arcmin	Reduction Ratio: 3 200
Permissible Axial Load	1625	N	Reduction Ratio: 3 200
Permissible Radial Load	3250	N	Reduction Ratio: 3 200
MECHANICAL			
Frame Size	90	mm	
Weight	7.8	kg	Reduction Ratio: 25 200
Planetary Gearbox Key Width B1	6	mm	
Planetary Gearbox Key Height H1	24.5	mm	

Technical Specifications

PARAMETER	SPECIFICATION	UNIT	NOTES
MECHANICAL			
Planetary Gearbox Housing Length L3	10	mm	
Planetary Gearbox Spigot Diameter D6	M8×1.25P	mm	
Planetary Gearbox Key Length L6	3	mm	
ENVIRONMENTAL			
A-Weighted Noise Level	65	dB(A)	Reduction Ratio: 3 200
ADDITIONAL SPECIFICATIONS			
Maximum Input Speed	6000	rpm	Reduction Ratio: 3 200
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	7.8	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	M8×1.25P	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.