

PRODUCT DATASHEET

ES-PG-C36-S009-V116

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 4000 rpm and frame Size 220 mm.

Key Specifications

PARAMETER	VALUE	UNIT
Backlash	7 / 5 / 3	arcmin
Maximum Input Speed	4000	rpm
Frame Size	220	mm
Weight	60	kg
Compatible Servo Motor Power	2000	W
Motor Adapter Interface	T5	
Rated Output Torque	1700 / 1140	Nm
Number of Reduction Stages	2	
A-Weighted Noise Level	70	dB(A)

Technical Specifications

PARAMETER	SPECIFICATION	UNIT	NOTES
PERFORMANCE			
Backlash	7 / 5 / 3	arcmin	Varies by published configuration.
Rated Output Torque	1700 / 1140	N·m	Reduction Ratio: 20 / Reduction Ratio: 15
Rated Input Speed	2000	rpm	Reduction Ratio: 3 100
Torsional Rigidity	225	N·m/arcmin	Reduction Ratio: 3 100
Permissible Axial Load	25000	N	Reduction Ratio: 3 100
Permissible Radial Load	50000	N	Reduction Ratio: 3 100
MECHANICAL			
Frame Size	220	mm	
Weight	60	kg	Reduction Ratio: 15 100
Planetary Gearbox Key Width B1	20	mm	

Technical Specifications

PARAMETER	SPECIFICATION	UNIT	NOTES
MECHANICAL			
Planetary Gearbox Key Height H1	79.5	mm	
Planetary Gearbox Housing Length L3	30	mm	
Planetary Gearbox Spigot Diameter D6	292	mm	
Planetary Gearbox Key Length L6	7	mm	
ENVIRONMENTAL			
A-Weighted Noise Level	70	dB(A)	Reduction Ratio: 3 100
ADDITIONAL SPECIFICATIONS			
Maximum Input Speed	4000	rpm	Reduction Ratio: 3 100
Compatible Servo Motor Power	2000	W	
Motor Adapter Interface	T5		
Number of Reduction Stages	2		

Dimensional & Integration Overview

Mechanical Overview

PARAMETER	VALUE	UNIT
Frame Size	220	mm
Weight	60	kg
Planetary Gearbox Key Width B1	20	mm
Planetary Gearbox Key Height H1	79.5	mm
Planetary Gearbox Housing Length L3	30	mm
Planetary Gearbox Spigot Diameter D6	292	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.