

PRODUCT DATASHEET

ES-PG-C36-S012-V003

Precision Transmission Component

Ultra-Precision Planetary Gearboxes | Ultra-Precision Planetary Gearbox Series - ES-PG-C36-S012

Product Overview

Precision Transmission Component with backlash 8 arcmin, frame Size 115 mm and compatible Servo Motor Power 750 W.

Key Specifications

PARAMETER	VALUE	UNIT
Backlash	8	arcmin
Frame Size	115	mm
Compatible Servo Motor Power	750	W
Motor Adapter Interface	T3	
Rated Output Torque	150 / 200	Nm
Number of Reduction Stages	1, 2	
Planetary Gearbox Housing Length L3	77.5	mm
Planetary Gearbox Key Height H1	35	mm
Planetary Gearbox Key Length L6	50	mm

Technical Specifications

PARAMETER	SPECIFICATION	UNIT	NOTES
PERFORMANCE			
Backlash	8	arcmin	Stage: 1
Rated Output Torque	150 / 200	N·m	Reduction Ratio: 3; Stage: 1 / Reduction Ratio: 4; Stage: 1
Torsional Rigidity	20	N·m/arcmin	Stage: 1
MECHANICAL			
Frame Size	115	mm	
Planetary Gearbox Key Width B1	10	mm	Stage: 1
Planetary Gearbox Key Height H1	35	mm	Stage: 1
Planetary Gearbox Housing Length L3	77.5	mm	Stage: 1
Planetary Gearbox Spigot Diameter D6	Ø110h7	mm	Stage: 1
Planetary Gearbox Key Length L6	50	mm	Stage: 1
ADDITIONAL SPECIFICATIONS			
Compatible Servo Motor Power	750	W	
Motor Adapter Interface	T3		
Number of Reduction Stages	1,2		

Dimensional & Integration Overview

Mechanical Overview

PARAMETER	VALUE	UNIT
Frame Size	115	mm
Planetary Gearbox Key Width B1	10	mm
Planetary Gearbox Key Height H1	35	mm
Planetary Gearbox Housing Length L3	77.5	mm
Planetary Gearbox Spigot Diameter D6	Ø110h7	mm
Planetary Gearbox Key Length L6	50	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.