PRODUCT DATASHEET

ES-PG-C36-S012-V005

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 190 mm and weight 33.5 kg.

Key Specifications

PARAMETER	VALUE	UNIT
Backlash	8	arcmin
Frame Size	190	mm
Weight	33.5	kg
Compatible Servo Motor Power	2000	W
Motor Adapter Interface	T5	
Rated Output Torque	1200 / 1600	N·m
Number of Reduction Stages	1, 2	
Permissible Axial Load	28000	N
Permissible Radial Load	12000	N

Technical Specifications

PARAMETER	SPECIFICATION	UNIT	NOTES
PERFORMANCE			
Backlash	8	arcmin	Stage: 1
Rated Output Torque	1200 / 1600	N·m	Reduction Ratio: 4; Stage: 1 / Reduction Ratio: 5; Stage: 1
Torsional Rigidity	130	N·m/arcmin	Stage: 1
Permissible Axial Load	28000	N	
Permissible Radial Load	12000	N	
MECHANICAL			
Frame Size	190	mm	
Weight	33.5	kg	Stage: 1
Planetary Gearbox Key Width B1	16	mm	Stage: 1

Technical Specifications

PARAMETER	SPECIFICATION	UNIT	NOTES
MECHANICAL			
Planetary Gearbox Key Height H1	59	mm	Stage: 1
Planetary Gearbox Housing Length L3	121.5	mm	Stage: 1
Planetary Gearbox Spigot Diameter D6	Ø160h7	mm	Stage: 1
Planetary Gearbox Key Length L6	70	mm	Stage: 1
ADDITIONAL SPECIFICATIONS			
Compatible Servo Motor Power	2000	W	
Motor Adapter Interface	T5		
Number of Reduction Stages	1, 2		

Dimensional & Integration Overview

Mechanical Overview

PARAMETER	VALUE	UNIT
Frame Size	190	mm
Weight	33.5	kg
Planetary Gearbox Key Width B1	16	mm
Planetary Gearbox Key Height H1	59	mm
Planetary Gearbox Housing Length L3	121.5	mm
Planetary Gearbox Spigot Diameter D6	Ø160h7	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.