PRODUCT DATASHEET

# ES-PG-C36-S009-V063

Precision Transmission Component

Ultra-Precision Planetary Gearboxes | Ultra-Precision Planetary Gearbox Series - ES-PG-C36-S009

## Product Overview

Precision Transmission Component with backlash 1 / 7 arcmin, maximum Input Speed 6000 rpm and frame Size 115 mm.

## Key Specifications

| PARAMETER | VALUE | UNIT |
|---|---|---|
| Backlash | 1 / 7 | arcmin |
| Maximum Input Speed | 6000 | rpm |
| Frame Size | 115 | mm |
| Weight | 9 / 7.8 | kg |
| Compatible Servo Motor Power | 1500 | W |
| Motor Adapter Interface | T1 | |
| A-Weighted Noise Level | 63 | dB(A) |
| Permissible Axial Load | 3350 | N |
| Permissible Radial Load | 6700 | N |

# Technical Specifications

| PARAMETER | SPECIFICATION | UNIT | NOTES |
|---|---|---|---|
| **PERFORMANCE** | | | |
| Backlash | 1 / 7 | arcmin | Precision Grade: P0; Reduction Ratio: 3 10; Stage: 1 / Precision Grade: P2; Reduction Ratio: 15 100; Stage: 2 |
| Rated Input Speed | 3000 | rpm | Reduction Ratio: 3 100; Stage: 2 |
| Torsional Rigidity | 25 | N·m/arcmin | Reduction Ratio: 3 100; Stage: 2 |
| Permissible Axial Load | 3350 | N | Reduction Ratio: 3 100; Stage: 2 |
| Permissible Radial Load | 6700 | N | Reduction Ratio: 3 100; Stage: 2 |
| **MECHANICAL** | | | |
| Frame Size | 115 | mm | |
| Weight | 9 / 7.8 | kg | Reduction Ratio: 15 100; Stage: 2 / Reduction Ratio: 3 10; Stage: 1 |
| **ENVIRONMENTAL** | | | |
| A-Weighted Noise Level | 63 | dB(A) | Reduction Ratio: 3 100; Stage: 2 |
| **ADDITIONAL SPECIFICATIONS** | | | |
| Maximum Input Speed | 6000 | rpm | Reduction Ratio: 3 100; Stage: 2 |
| Compatible Servo Motor Power | 1500 | W | |
| Motor Adapter Interface | T1 | | |

# Dimensional & Integration Overview

## Mechanical Overview

| PARAMETER | VALUE | UNIT |
|---|---|---|
| Frame Size | 115 | mm |
| Weight | 9 / 7.8 | kg |

View Product Online  Request Engineering Data  Request a Quote

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.