

PRODUCT DATASHEET

ES-RD-C36-S001-V031

Precision Transmission Component

Ultra-Precision Planetary Gearboxes | Ultra-Precision Planetary Gearbox Series - ES-RD-C36-S001

Product Overview

Precision Transmission Component with reduction Ratio 35, frame Size 125 mm and compatible Servo Motor Power 750 W.

Key Specifications

PARAMETER	VALUE	UNIT
Reduction Ratio	35	
Frame Size	125	mm
Compatible Servo Motor Power	750	W
Rated Output Torque	71	N·m
Number of Reduction Stages	2	
Input-shaft Equivalent Inertia	0.473	x10 ⁻⁴ kg.m ²
Instantaneous Maximum Output Torque	213	N·m
Instantaneous Maximum Permissible Output Torque	213	N·m
Output Shaft Speed	85	rpm

Technical Specifications

PARAMETER	SPECIFICATION	UNIT
PERFORMANCE		
Rated Output Torque	71	N·m
Instantaneous Maximum Output Torque	213	N·m
Instantaneous Maximum Permissible Output Torque	213	N·m
Output Shaft Speed	85	rpm
Permissible Output Torque	71	N·m
Permissible Axial Load	1715	N
Permissible Radial Load	3430	N
MECHANICAL		
Frame Size	125	mm
Input-shaft Equivalent Inertia	0.473	$\times 10^{-4}$ kg·m ²
CONFIGURATION		
Reduction Ratio	35	
ADDITIONAL SPECIFICATIONS		
Compatible Servo Motor Power	750	W
Number of Reduction Stages	2	

Dimensional & Integration Overview

Mechanical Overview

PARAMETER	VALUE	UNIT
Frame Size	125	mm
Input-shaft Equivalent Inertia	0.473	$\times 10^{-4}$ kg.m ²

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Specifications are subject to change without notice. Verify the current product configuration before final design release.
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2D drawings, CAD files and integration documentation are controlled documents and are supplied separately on request.