

PRODUCT DATASHEET

ES-RD-C36-S001-V024

Precision Transmission Component

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

Product Overview

Precision Transmission Component with reduction Ratio 15, 25, frame Size 125 mm and compatible Servo Motor Power 1000 W.

Key Specifications

PARAMETER	VALUE	UNIT
Reduction Ratio	15, 25	
Frame Size	125	mm
Compatible Servo Motor Power	1000	W
Rated Output Torque	33.3 / 55.7	N·m
Number of Reduction Stages	2	
Input-shaft Equivalent Inertia	2.71 / 2.8	x10 ⁻⁴ kg.m ²
Instantaneous Maximum Output Torque	100 / 167	N·m
Instantaneous Maximum Permissible Output Torque	274 / 196	N·m
Output Shaft Speed	120 / 200	rpm

Technical Specifications

PARAMETER	SPECIFICATION	UNIT	NOTES
PERFORMANCE			
Rated Output Torque	33.3 / 55.7	N·m	Reduction Ratio: 15 / Reduction Ratio: 25
Instantaneous Maximum Output Torque	100 / 167	N·m	Reduction Ratio: 15 / Reduction Ratio: 25
Instantaneous Maximum Permissible Output Torque	274 / 196	N·m	Reduction Ratio: 15 / Reduction Ratio: 25
Output Shaft Speed	120 / 200	rpm	Reduction Ratio: 25 / Reduction Ratio: 15
Permissible Output Torque	65.4 / 91.4	N·m	Reduction Ratio: 25 / Reduction Ratio: 15
Permissible Axial Load	1320 / 1180	N	Reduction Ratio: 25 / Reduction Ratio: 15
Permissible Radial Load	2350 / 2650	N	Reduction Ratio: 15 / Reduction Ratio: 25
MECHANICAL			
Frame Size	125	mm	
Input-shaft Equivalent Inertia	2.71 / 2.8	$\times 10^{-4}$ kg·m ²	Reduction Ratio: 25 / Reduction Ratio: 15
CONFIGURATION			
Reduction Ratio	15, 25		
ADDITIONAL SPECIFICATIONS			
Compatible Servo Motor Power	1000	W	
Number of Reduction Stages	2		

Dimensional & Integration Overview

Mechanical Overview

PARAMETER	VALUE	UNIT
Frame Size	125	mm
Input-shaft Equivalent Inertia	2.71 / 2.8	$\times 10^{-4}$ 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.