

PRODUCT DATASHEET

ES-RD-C36-S001-V045

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, 20, 25, frame Size 78 mm and compatible Servo Motor Power 400 W.

Key Specifications

PARAMETER	VALUE	UNIT
Reduction Ratio	15, 20, 25	
Frame Size	78	mm
Compatible Servo Motor Power	400	W
Rated Output Torque	26.4 / 15.8 / 21.1	N·m
Number of Reduction Stages	2	
Input-shaft Equivalent Inertia	0.294 / 0.3 / 0.288	x10 ⁻⁴ kg.m ²
Instantaneous Maximum Output Torque	79.2 / 63.3 / 47.5	N·m
Instantaneous Maximum Permissible Output Torque	48.6 / 79.2 / 63.3	N·m
Output Shaft Speed	120 / 200 / 150	rpm

Technical Specifications

PARAMETER	SPECIFICATION	UNIT	NOTES
PERFORMANCE			
Rated Output Torque	26.4 / 15.8 / 21.1	N·m	Varies by published configuration.
Instantaneous Maximum Output Torque	79.2 / 63.3 / 47.5	N·m	Varies by published configuration.
Instantaneous Maximum Permissible Output Torque	48.6 / 79.2 / 63.3	N·m	Varies by published configuration.
Output Shaft Speed	120 / 200 / 150	rpm	Varies by published configuration.
Permissible Output Torque	16.2 / 26.4 / 21.1	N·m	Varies by published configuration.
Permissible Axial Load	735 / 785 / 833	N	Varies by published configuration.
Permissible Radial Load	1470 / 1570 / 1670	N	Varies by published configuration.
MECHANICAL			
Frame Size	78	mm	
Input-shaft Equivalent Inertia	0.294 / 0.3 / 0.288	$\times 10^{-4}$ kg·m ²	Varies by published configuration.
CONFIGURATION			
Reduction Ratio	15, 20, 25		
ADDITIONAL SPECIFICATIONS			
Compatible Servo Motor Power	400	W	
Number of Reduction Stages	2		

Dimensional & Integration Overview

Mechanical Overview

PARAMETER	VALUE	UNIT
Frame Size	78	mm
Input-shaft Equivalent Inertia	0.294 / 0.3 / 0.288	$\times 10^{-4}$ 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.