

PRODUCT DATASHEET

ES-RD-C36-S001-V052

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 98 mm and compatible Servo Motor Power 750 W.

Key Specifications

PARAMETER	VALUE	UNIT
Reduction Ratio	15, 20, 25	
Frame Size	98	mm
Compatible Servo Motor Power	750	W
Rated Output Torque	40.6 / 30.4 / 50.7	N·m
Number of Reduction Stages	2	
Input-shaft Equivalent Inertia	0.68 / 0.7 / 0.69	x10 ⁻⁴ kg.m ²
Instantaneous Maximum Output Torque	91.2 / 122 / 152	N·m
Instantaneous Maximum Permissible Output Torque	152 / 91.2 / 122	N·m
Output Shaft Speed	120 / 200 / 150	rpm

Technical Specifications

PARAMETER	SPECIFICATION	UNIT	NOTES
PERFORMANCE			
Rated Output Torque	40.6 / 30.4 / 50.7	N·m	Varies by published configuration.
Instantaneous Maximum Output Torque	91.2 / 122 / 152	N·m	Varies by published configuration.
Instantaneous Maximum Permissible Output Torque	152 / 91.2 / 122	N·m	Varies by published configuration.
Output Shaft Speed	120 / 200 / 150	rpm	Varies by published configuration.
Permissible Output Torque	30.4 / 50.7 / 40.6	N·m	Varies by published configuration.
Permissible Axial Load	955 / 882 / 1030	N	Varies by published configuration.
Permissible Radial Load	2060 / 1910 / 1760	N	Varies by published configuration.
MECHANICAL			
Frame Size	98	mm	
Input-shaft Equivalent Inertia	0.68 / 0.7 / 0.69	$\times 10^{-4}$ kg·m ²	Varies by published configuration.
CONFIGURATION			
Reduction Ratio	15, 20, 25		
ADDITIONAL SPECIFICATIONS			
Compatible Servo Motor Power	750	W	
Number of Reduction Stages	2		

Dimensional & Integration Overview

Mechanical Overview

PARAMETER	VALUE	UNIT
Frame Size	98	mm
Input-shaft Equivalent Inertia	0.68 / 0.7 / 0.69	$\times 10^{-4}$ kg.m ²

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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.