

PRODUCT DATASHEET

ES-PG-H01-M004

Precision Transmission Component

High-Precision RV Reducers | High-Precision RV Reducer Series - ES-PG-H01

Product Overview

Precision Transmission Component with instantaneous Maximum Torque 4900 Nm, backlash 1 arc.min and frame Size 100 mm.

Key Specifications

PARAMETER	VALUE	UNIT
Instantaneous Maximum Torque	4900	Nm
Backlash	1	arc.min
Frame Size	100	mm
Weight	30.9	kg
Allowable output axial force	13720	N
Allowable output bending moment	2450	Nm
Available reduction ratios	76.3, 100.2, 124.7, 151.6, 214.3, 264.6	
Bending rigidity	2813	Nm/arc.min
Gear gap	1	arc.min

Technical Specifications

PARAMETER	SPECIFICATION	UNIT	NOTES
PERFORMANCE			
Instantaneous Maximum Torque	4900	Nm	
Backlash	1	arc.min	
Start/stop allowable torque	2450	Nm	
Maximum output speed	40	rpm	
Rated Output Torque	980	Nm	Output Speed Rpm: 15
Bending rigidity	2813	Nm/arc.min	
Rated output speed	15	rpm	
Torsional Rigidity	510	Nm/arc.min	
Gear gap	1	arc.min	

Technical Specifications

PARAMETER	SPECIFICATION	UNIT
PERFORMANCE		
Allowable output bending moment	2450	Nm
Allowable output axial force	13720	N
Transmission accuracy	1	arc.min
MECHANICAL		
Frame Size	100	mm
Weight	30.9	kg
Input shaft diameter	24	mm
CONFIGURATION		
Output Shaft Type	Z	
Input shaft type	RCA	
Available reduction ratios	76.3, 100.2, 124.7, 151.6, 214.3, 264.6	

Dimensional & Integration Overview

Mechanical Overview

PARAMETER	VALUE	UNIT
Frame Size	100	mm
Weight	30.9	kg
Input shaft diameter	24	mm

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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.