

PRODUCT DATASHEET

ES-PG-H01-M002

Precision Transmission Component

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

Product Overview

Precision Transmission Component with instantaneous Maximum Torque 9800 Nm, backlash 1 arc.min and frame Size 200 mm.

Key Specifications

PARAMETER	VALUE	UNIT
Instantaneous Maximum Torque	9800	Nm
Backlash	1	arc.min
Frame Size	200	mm
Weight	87.6	kg
Allowable output axial force	19600	N
Allowable output bending moment	8820	Nm
Available reduction ratios	104.6, 122, 156, 281	
Bending rigidity	9800	Nm/arc.min
Gear gap	1	arc.min

Technical Specifications

PARAMETER	SPECIFICATION	UNIT	NOTES
PERFORMANCE			
Instantaneous Maximum Torque	9800	N·m	
Backlash	1	arc.min	
Start/stop allowable torque	4900	N·m	
Maximum output speed	30	rpm	
Rated Output Torque	1916	N·m	Output Speed Rpm: 15
Bending rigidity	9800	N·m/arc.min	
Rated output speed	15	rpm	
Torsional Rigidity	980	N·m/arc.min	
Gear gap	1	arc.min	

Technical Specifications

PARAMETER	SPECIFICATION	UNIT
PERFORMANCE		
Allowable output bending moment	8820	Nm
Allowable output axial force	19600	N
Transmission accuracy	1	arc.min
MECHANICAL		
Frame Size	200	mm
Weight	87.6	kg
Input shaft diameter	22	mm
CONFIGURATION		
Output Shaft Type	Z	
Input shaft type	RCA	
Available reduction ratios	104.6, 122, 156, 281	

Dimensional & Integration Overview

Mechanical Overview

PARAMETER	VALUE	UNIT
Frame Size	200	mm
Weight	87.6	kg
Input shaft diameter	22	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.