PRODUCT DATASHEET

ES-PG-H01-M005

Precision Transmission Component

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

Product Overview

Precision Transmission Component with instantaneous Maximum Torque 2450 N·m, backlash 1 arc.min and frame Size 50 mm.

Key Specifications

PARAMETER	VALUE	UNIT
Instantaneous Maximum Torque	2450	N·m
Backlash	1	arc.min
Frame Size	50	mm
Weight	19.4	kg
Allowable output axial force	11780	N
Allowable output bending moment	1760	N·m
Available reduction ratios	80, 107, 125, 151, 177, 234	
Bending rigidity	1960	N·m/arc.min
Gear gap	1	arc.min

Technical Specifications

PARAMETER	SPECIFICATION	UNIT	NOTES
PERFORMANCE			
Instantaneous Maximum Torque	2450	N·m	
Backlash	1	arc.min	
Start/stop allowable torque	1225	N·m	
Maximum output speed	50	rpm	
Rated Output Torque	490	N·m	Output Speed Rpm: 15
Bending rigidity	1960	N·m/arc.min	
Rated output speed	15	rpm	
Torsional Rigidity	255	N·m/arc.min	
Gear gap	1	arc.min	

Technical Specifications

PARAMETER	SPECIFICATION	UNIT
PERFORMANCE		
Allowable output bending moment	1760	N·m
Allowable output axial force	11780	N
Transmission accuracy	1	arc.min
MECHANICAL		
Frame Size	50	mm
Weight	19.4	kg
Input shaft diameter	19	mm
CONFIGURATION		
Output Shaft Type	Z	
Input shaft type	RCA	
Available reduction ratios	80, 107, 125, 151, 177, 234	

Dimensional & Integration Overview

Mechanical Overview

PARAMETER	VALUE	UNIT
Frame Size	50	mm
Weight	19.4	kg
Input shaft diameter	19	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.