

PRODUCT DATASHEET

ES-PG-H01-M001

Precision Transmission Component

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

Product Overview

Precision Transmission Component with instantaneous Maximum Torque 15680 N·m, reduction Ratio 220.8 and backlash 1 arc.min.

Key Specifications

PARAMETER	VALUE	UNIT
Instantaneous Maximum Torque	15680	N·m
Reduction Ratio	220.8	
Backlash	1	arc.min
Frame Size	320	mm
Weight	144.3	kg
Adapter dimension C	114.3	mm
Adapter dimension D	35	mm
Adapter dimension E	18	mm
Adapter dimension F	175	mm

Technical Specifications

PARAMETER	SPECIFICATION	UNIT	NOTES
PERFORMANCE			
Instantaneous Maximum Torque	15680	Nm	
Backlash	1	arc.min	
Start/stop allowable torque	7840	Nm	
Maximum output speed	25	rpm	
Rated Output Torque	3136	Nm	Output Speed Rpm: 15
Bending rigidity	12740	Nm/ar c.min	
Rated output speed	15	rpm	
Torsional Rigidity	1960	Nm/ar c.min	
Gear gap	1	arc.min	
Allowable output bending moment	20580	Nm	
Allowable output axial force	29400	N	Normalization Note: Source drawing prints Nm beside axial-force label; normalized to N to match the force label and the same supplier tables.
Transmission accuracy	1	arc.min	
MECHANICAL			
Frame Size	320	mm	
Weight	144.3	kg	

Technical Specifications

PARAMETER	SPECIFICATION	UNIT
MECHANICAL		
Adapter dimension L	361.5	mm
Adapter dimension D	35	mm
Adapter dimension E	18	mm
Adapter dimension K	10	mm
Adapter dimension F	175	mm
Input shaft diameter	35	mm
Adapter dimension H	90	mm
Adapter dimension C	114.3	mm
Adapter thread	M12	
Adapter pitch diameter P	200	mm
CONFIGURATION		
Reduction Ratio	220.8	
Output Shaft Type	Z	
Input shaft type	RCA	
Available reduction ratios	220.8	

Dimensional & Integration Overview

Mechanical Overview

PARAMETER	VALUE	UNIT
Frame Size	320	mm
Weight	144.3	kg
Adapter dimension L	361.5	mm
Adapter dimension D	35	mm
Adapter dimension E	18	mm
Adapter dimension K	10	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.