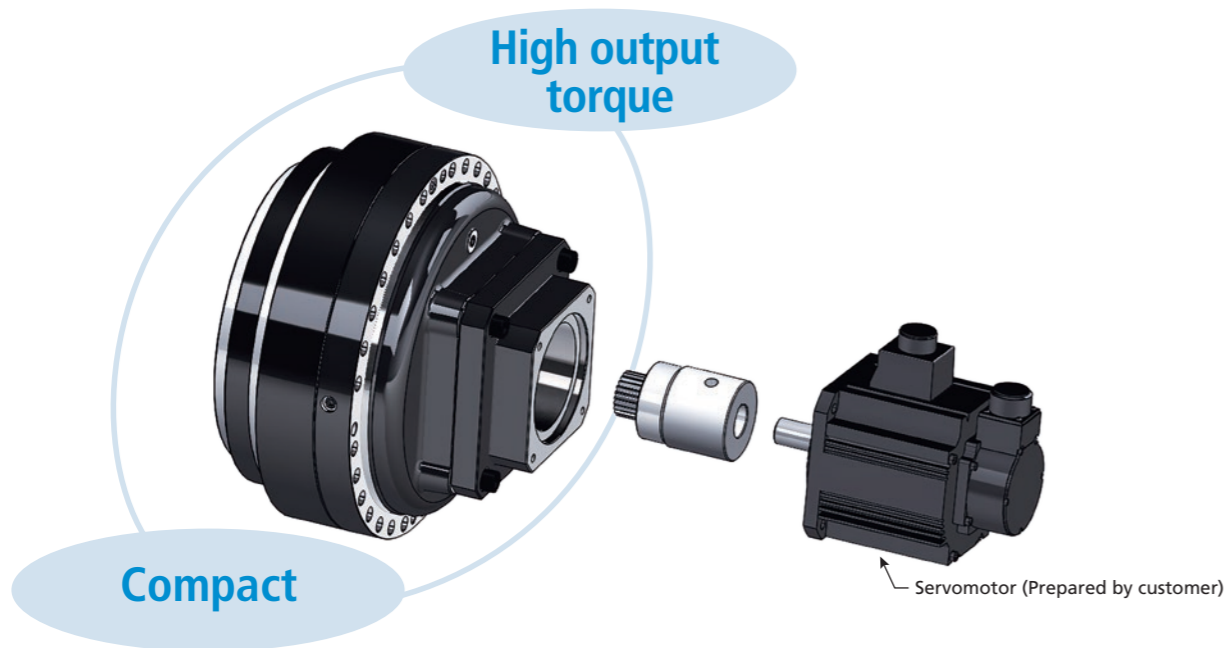


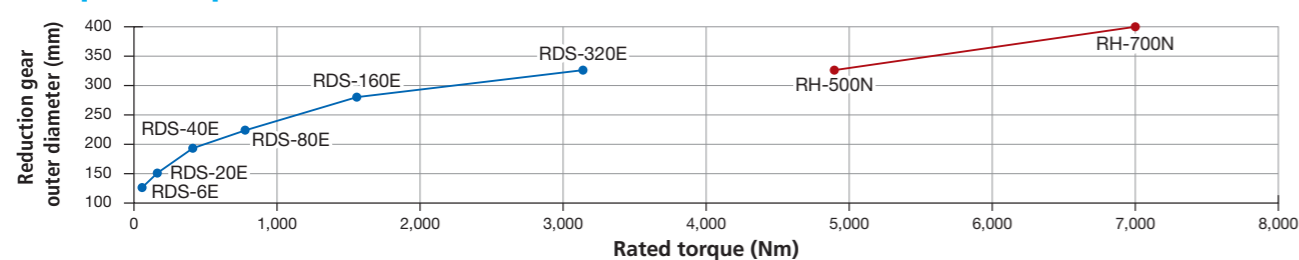
RH-500N/700N

Features

- **High precision, rigidity, reliability**
Gearheads developed from the industrial robot industry-proven Precision Reduction Gear RV
- **Optimal for high torque applications**
Featuring standard high output torque specifications not available in existing gearhead products
- **Compact and lightweight**
Lightweight and compact design utilizing the N series of Precision Reduction Gear RV
- **Standard lineup of servo motor connectors**
Input gear and motor flanges available for all major servo motor manufacturers
- **Pre-lubricated**
Pre-filled with optimal lubricant (RV GREASE LB00), reducing preparation times



Torque comparison with RD2 series (existing gearhead product)



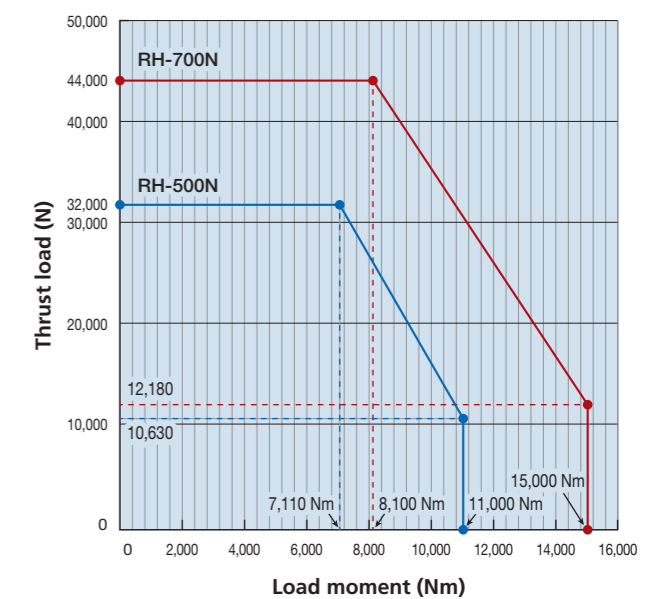
Applications



Specifications

Model	RH-500N	RH-700N
Speed ratio ^{*1}	81	105
	105	118
	123	142.44
	144	159
	159	183
	192.75	203.52
	209	228.5
Rated torque	4,900 Nm	7,000 Nm
	12,250 Nm	17,500 Nm
Allowable acceleration/ deceleration torque	24,500 Nm	35,000 Nm
Rated output speed	15 rpm	15 rpm
Maximum output speed ^{*2}	25 rpm	19 rpm
Allowable moment	11,000 Nm	15,000 Nm
Momentary maximum allowable moment	22,000 Nm	30,000 Nm
Backlash	1.0 arc.min.	1.0 arc.min.
Lost motion	1.0 arc.min.	1.0 arc.min.
Angular transmission error	50 arc.sec.	50 arc.sec.
Weight ^{*3}	75 kg	135 kg

Allowable moment diagram



Note: Ensure that the reduction gear is used within the corresponding allowable moment range, which is indicated in the allowable moment diagram.

*1. Please contact us if you require any speed ratios other than those listed above.

*2. Duty ratio: 40% (The maximum output speed may vary depending on the duty ratio, load, and ambient temperature.)

*3. The weight does not include the weights of the motor flange and input gear.