



Our Technologies Realize Your Dreams

# Torque limiter R type



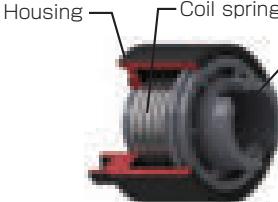
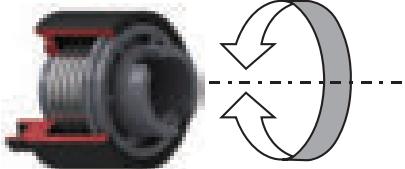
Torque limiters are also called slipping clutches, and are a mechanical component that is mainly used in the paper feed mechanisms of office equipment such as printers and photocopier.

“OTL-R type” torque limiters have reduced size and weight by changing the inner ring material from sintered alloy to resin molded product that can be molded with thin wall thickness.

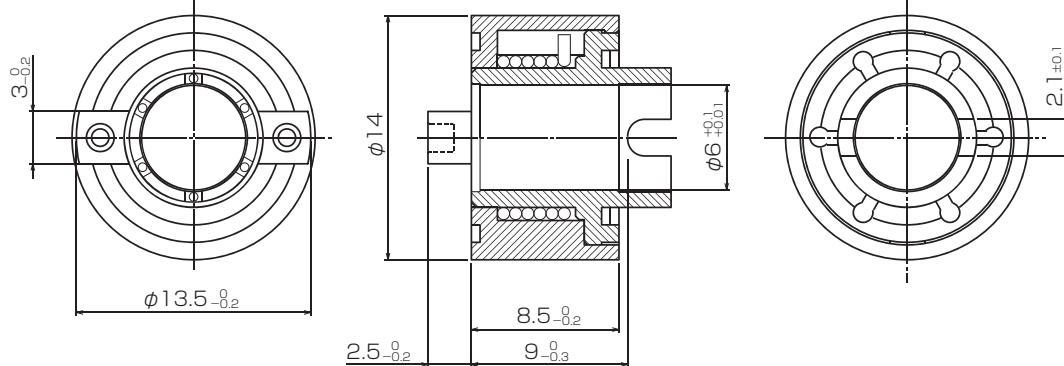


Origin Co., Ltd.

## 01 Specifications for the Standard Models

Component parts	Operation
 <p>Housing Coil spring Resin inner ring</p>	<p>Torque can be generated in both directions</p>  <p>Note: One direction is also possible if desired.</p>

### Dimensions



### Setting torque value according

Type	Unit	Torque setting range (Standard models)	Standard torque value
OTLR6-□□□AF (□:Torque value gf·cm)	mN·m	9.8 to 49.0 mN·m	9.81 mN·m Steps
	gf·cm	100 to 500 gf·cm	100 gf·cm Steps

## 02 Features

### 1. Compact size and light weight

- Outer diameter: Ø14, weight: 1.5gw. It is the reduction in size and weight from our current products OTLC and OTLV

### 2. Slips in both rotating directions

- Used for turning in both directions (clockwise and counter-clockwise).

### 3. Series of Torque Range

- The same configuration and dimensions for the range from 9.81 to 49.0mN·m (100 to 500 gf·cm).
- No need to change the attachment parts when selecting the load torque or changing.

## 03 Reliability

Type	Nominal torque	Torque tolerance (at shipping)
OTLR6-100~200AF	Less than 29.4 mN·m	Nominal torque $\pm 15\%$
OTLR6-300~500AF	More than 29.4 mN·m	Nominal torque $\pm 10\%$

Note: Please consult with us for non-standard torque tolerances.

## 04 Operation Environment

Operation environment	Recommended ranges
Temperature	0 to 60 °C
Humidity	90%RH or less
Rotation speed	50 to 400rpm

Note) · Please consult us if you use Origin products under different operation environment not specified above.

· Since the operation environment described here is based on our experiences and testing data, it may not be applied to the products in same way under different circumstances. For this reason, we do not guarantee that the content of this catalogue will apply to your operation condition exactly in the same way. Please make final decision at one of your company premises before using this product.

## 05 Shaft Specifications

Specification head	Specifications of adaptable shaft
Outer diameter	$\phi 6 \text{ } 0_{-0.03}$
Materials	Use steel such as SUM, SUS and SUJ-2.

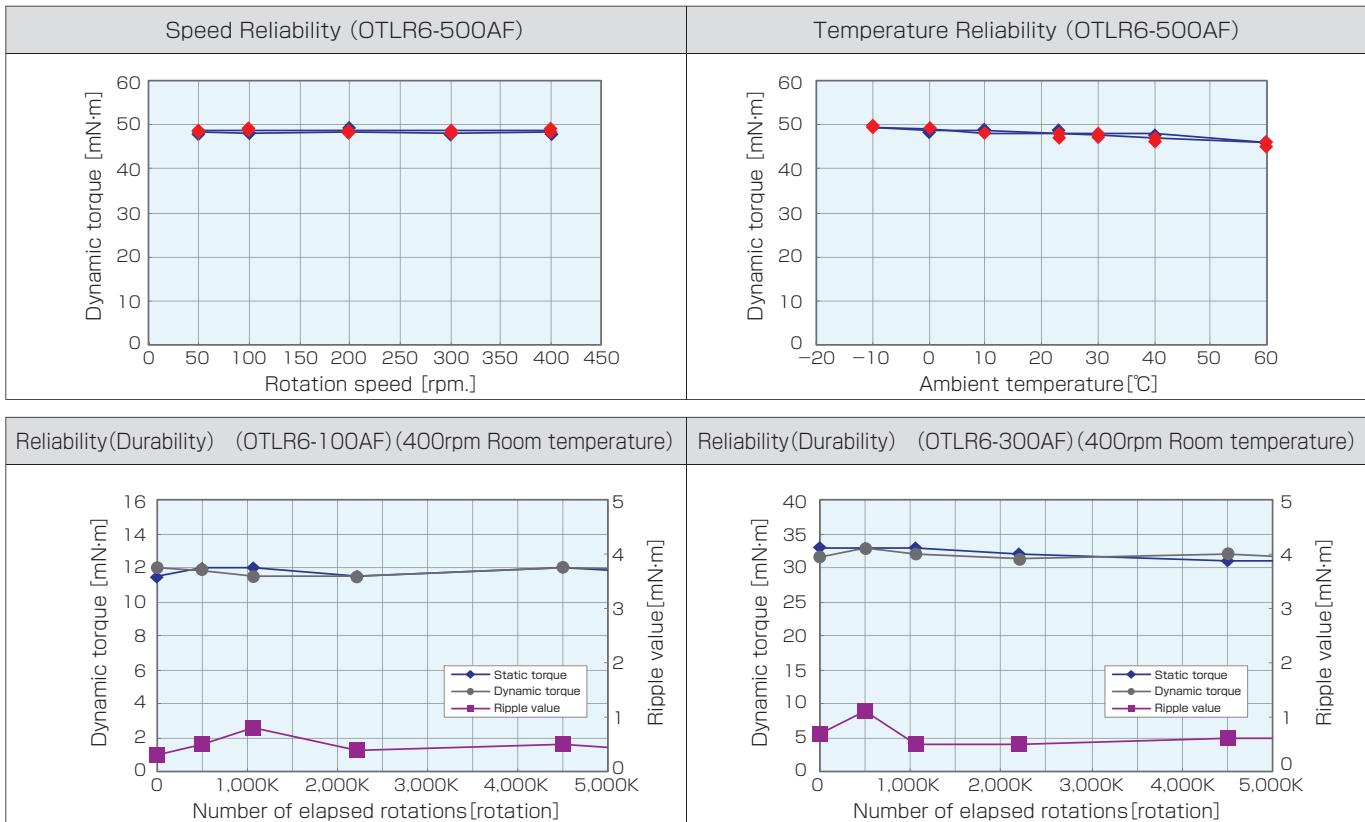
## 06 Cautions

Cares must be taken when mounting the Torque limiter since the torque may vary when unbalanced loads are applied in the radial and/or axial direction.

## 07 Please Check the Specifications

The conditions for the specifications are given in the separate "Torque Limiter Requested Specifications Checklist". Please check these.

## 08 Reference Data





<http://www.origin.co.jp/eng>

**Sales Office**

3-10-5, Akatsuki, Oyama-Shi, Tochigi-Ken 329-0211, Japan  
Sales Dept, Component Div.

Tel:+81-285-45-1115 Fax:+81-285-45-1236

**Osaka Branch Office**

Room812, Osaka Ekimae No.4 Bldg., 1-11-4-800, Umeda,  
Kita-ku, Osaka 530-0001

Tel:+81-6-6345-8866 Fax:+81-6-6345-8854

**Origin Electric Co., Ltd.  
Taiwan Branch Office**

99F, No.110, Fuxing Rd., Taoyuan Dist, Taoyuan City 33066,  
Taiwan(R.O.C.)

Tel:+886-3-332-6665 Fax:+886-3-332-8609

**Origin Electric Co., Ltd.  
Kowloon Office**

Unit 1706-7, 17/F, Saxon Tower, 7 Cheung Shun Street,  
Kln, H.K.

Tel:+852-2314-8811 Fax:+852-2314-8823

**Mamada Plant**

3-10-5, Akatsuki, Oyama-shi, Tochigi-ken, 329-0211, Japan

Tel:+81-285-45-1111 Fax:+81-285-45-8337

**■Subsidiaries**

**Origin Electric America Co., Ltd.**

3848 Carson Street Suite 216, Torrance, CA 90503, USA

Tel:+1-310-540-6750 Fax:+1-310-540-6376

**Origin Precision Machine  
(Shanghai) Co., Ltd.**

3/F, No.26 Bldg., No.115 West Fute First Rd. Pilot Free Trade Zone,  
Shanghai, 200131 China

Tel:+86-21-5046-2341 Fax:+86-21-5046-2342



The data presented in this catalog are for general application purposes. Do not use this product in such a way that may be harmful to people or exceed its performance.



To avoid accidents and/or failures as well as to ensure safety, do not use this product exceeding the specifications noted in this catalog and ignoring the precautions.

\*Specifications are subject to change without a notice for future development.