

Accurate Guiding Should Need High Precision Actuators



Roll-2-Roll® Actuators provide the speed, thrust and the precision needed to accurately position the web guides to meet your web guiding needs. No matter what the thrust, tension, weight, speed, stroke or size, we have a solution for your needs.

Brushless stepper actuators offer precision, reliability and versatility for any application at an affordable price. Paired with an appropriate high performance chopper drive these actuators are easy to install and operate no matter what the application demands. Thrusts ranging from 50 pounds to 2000 pounds can move loads up to 30,000 pounds.

Roll-2-Roll® Actuators can be used with displacement guides, steering guides, unwinds, rewinds, coilers and recoilers with a variety of mounting options. Best of all these actuators and drivers have off-shelf replacements that are affordable and readily available for quick replacement.

GENERAL SPECIFICATIONS

Thrust	50 lbf (222 N) to 2,000 lbf (8900 N)	Current (rms)	2 A to 7.5 A
Stroke Length	1 in (25 mm) to 12 in (300 mm)	Voltage	24 VDC or 48 VDC
Speed	Upto 2 in/sec (51 mm/sec)	Power	6.5 W to 210 W

BENEFITS

- **Increase productivity** with high speed actuator that can increase runnability of difficult materials
- **Save time and money** with readily available off-shelf replacement actuators
- **Reduce waste** with high accuracy and high precision positioning
- **Save money** with reliable operation from brushless stepper motors

To order (direct from factory):

By phone: **+1-888-290-3215 ext 01**

By e-mail: **sales@r2r.tech**

Online: **<https://r2r.tech/request-quotation>**

Your local contact is:

ACTUATOR OPTIONS

Following table shows the capabilities of the different controller option

Options	LHS-xxx-xxxx-LP	LHS-xxx-xxxx-WG	LHS-xxx-xxxx-RF	RLA-xxx-xxxx
Thrust	50 lbf	50 - 200 lbf	50 - 200 lbf	50 - 2000 lbf
Maximum Breakaway Force	33 lbf	133 lbf	133 lbf	1800 lbf
Stroke Length	1 in - 2 in	1 in - 3 in	2 in - 6 in	4 in - 12 in
Maximum Speed	2 in/sec	0.4 in/sec - 2 in/sec	0.4 in/sec - 2 in/sec	0.75 in/sec - 2 in/sec
Driver Voltage (input)	24 VDC	24 VDC	24 VDC	24 VDC and 48 VDC
Driver Current (rms)	2 Amps	2 Amps	2 Amps	3 Amps - 7.5 Amps
Power Source	From SCU5	From SCU5	From SCU5	Independent
Actuator Type	Linear Hybrid	Linear Hybrid	Linear Hybrid	Rotary Linear
Motor Type	Stepper	Stepper	Stepper	Stepper
Actuation Type	Direct Lead Screw	Direct Lead Screw	Direct Lead Screw	Belt Lead/Ball Screw
Mounting Options	Fixed	Fixed	Pivot/Rod Eye/Clevis	Pivot/Rod Eye/Clevis
Intermediate Web Guide	YES	YES	YES	YES
Terminal Web Guide	NO	NO	YES	YES
End of limit	Digital/Switch	Digital/Switch	Digital/Switch	Digital/Switch
Off-shelf replacement	YES	YES	YES	YES

Model Number Specification

AAA-BBB-CCCC-DD

AAA - Actuator Type; Options: **LHS** - Linear Hybrid Stepper **RLA** - Rotary Linear Actuator

BBB - Maximum Thrust; Options: **005** - 50 lbf, **015** - 150 lbf, **020** - 200 lbf, **050** - 500 lbf, **100** - 1000 lbf, **150** - 1500 lbf

CCCC - Stroke Length; Options: **0125** - 1.25 in, **0150** - 1.5 in, **0200** - 2in, **0400** - 4in, **0600** - 6in, **0800** - 8 in, **1200** - 12 in

DD - Mounting; Options: **LP** - Small form factor, **WG** - Roll-2-Roll web guides, **RF** - Retrofit actuator, **TG** - For terminal guides

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