

ROD-STYLE ELECTRIC ACTUATOR **RSA-HT**

The HT option is a high thrust version of the 24, 32, 50 and 64 sizes of the RSA series. RSA HT actuators offer a roller screw option to meet even the most demanding applications

WHY CHOOSE THE HT OPTION?

- Higher strength components transfer more torque from the gearhead/motor to the actuator screw
- Grease zerk allows convenient relubrication for extended screw service life
- Allows convenient addition of gearbox to RP (Reverse Parallel mount) actuator
- Accommodates mounting large motors with up to 165mm bolt circle pattern

GREASE ZERK

- Standard feature allows easy re-lubrication



IP67 OPTION

- Resist water ingress 1m deep for up to 30 min

YOUR MOTOR HERE YOU CAN CHOOSE:

- Specify motor to be installed and actuator ships with proper mounting hardware

REDESIGNED LMI & RP HOUSING

- Specially designed to accommodate larger motors & gearboxes with higher torques and larger bolt circles (up to 6.5", 165mm)

DURABLE BELT MATERIAL

- High torque polyurethane timing belt with carbon tensile cords resists stretching

ENHANCED HIGH THRUST BEARING

- High thrust angular contact ball bearings in a back to back configuration

MULTIPLE SCREW TECHNOLOGIES YOU CAN CHOOSE:

- Bronze nuts offer smooth performance at the lowest cost
- Ball screws offer efficiency at a cost effective price; low-backlash available
- Roller screws provide the highest thrust and life ratings available



HEAVY DUTY INTERNAL BUMPERS

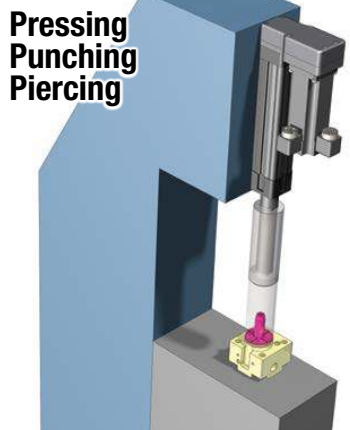
- Bumpers protect the screw and nut assembly from damage at both ends of stroke

Mounting Options:

- | | |
|------------------------|------------------------|
| MP2: 2 Mounting Plates | BFG: Rear Flange |
| FFG: Front Flange | PCD: Rear Clevis Mount |
| TRR: Trunnion Mount | PCS: Rear Eye Mount |
| FM2: 2 Foot Mounts | |

Applications:

- | | | |
|-----------------------------|----------------------------|--------------------------|
| • Aligning | • Medical equipment | • Robot manipulator arms |
| • Animation | • Open / close doors | • Sonic welding |
| • Assembly | • Packaging equipment | • Sorting |
| • Automotive | • Pick & place | • Volumetric pumps |
| • Conveyors | • Plate positioning change | • Web guidance |
| • Diverting | • Press fit | • Wire winding & more! |
| • Fillers | | |
| • Gating | | |
| • Material handling systems | | |



Complete Your System:



EtherNet/IP
ODVA
CONFORMANT

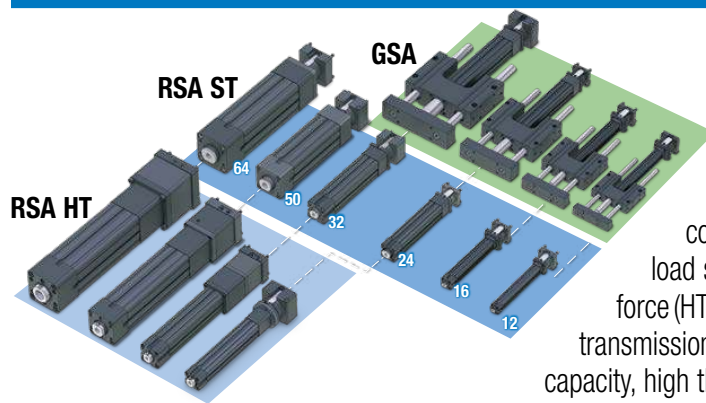
Modbus

PROFI
NET
PI

ACSI Integrated Motor/Drive/Controller is matched to provide optimal performance with Tolomatic actuators

ROD-STYLE ELECTRIC SCREW-DRIVE ACTUATOR

RSA-HT



The RSA series of electric screw driven rod-style actuators are offered in 3 versions. The standard (ST) model comes in six sizes. The guided RSA (GSA) adds guidance and load support to the design and is available in 4 sizes. The high force (HT) model is available in 4 sizes, it incorporates torque transmission components (couplers, pulleys, belts) with higher torque capacity, high thrust bearings as well as a planetary roller screw option.

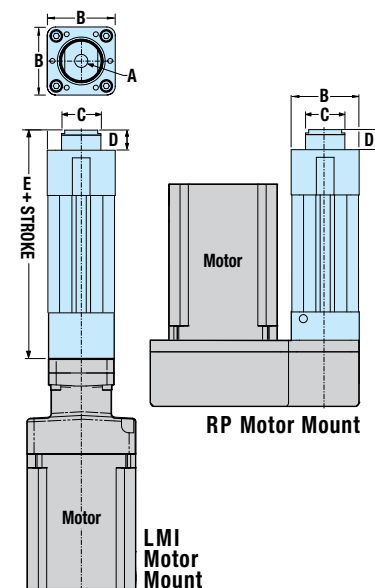
Specifications

Size	24	32	50	64
Max. Thrust (kN)	7.56	18.50	35.0	58.0
Max. Stroke (mm)	457	914	1219	1524

Size	24	32	50	64
Max. Thrust (lbf)	1700	4159	7868	13039
Max. Stroke (in)	24	36	48	60

NOTE: For higher forces refer to the RSX product line.

Dimensions



SIZE: 24, 32, 50, 64

Size	24	32	50	64
A	M10x1.25 ±25.0	M16x1.5 ±26.0	M20x1.5 ±38.0	M27x2.0 ±38.0
B	51.8	65.5	94.2	116.3
C Ø	30.0	31.8	49.5	57.2
D	10.9	12.7	17.8	17.3
SOLID E	97.5	128.3	213.6	235.9
BALL E	109.2	158.2	189.0	298.2
ROLLER E	132.3	145.7	213.6	235.9

Dimensions in millimeters

Size	24	32	50	64
A	7/16-20 ±1.00	7/16-20 ±1.13	3/4-16 ±1.50	1-1/4-16 ±2.50
B	2.04	2.58	3.71	4.58
C Ø	1.18	1.25	1.75	2.25
D	0.43	0.50	0.70	0.68
SOLID E	3.84	5.05	6.44	9.29
BALL E	4.30	6.23	7.44	11.7
ROLLER E	5.21	5.74	8.41	9.29

Dimensions in inches



3D CAD LIBRARY

ACTUATOR SIZING

COMPLETE INFORMATION, SIZING SOFTWARE AND SOLID MODELS AVAILABLE AT:
www.tolomatic.com

NOTE: YMH (Your Motor Here) will determine motor size, motor mount size and reverse parallel housing size. Complete dimensions available in RSA/GSA brochure #3600-4166; Always use solid models available at www.tolomatic.com for critical dimensions

STANDARD FEATURES
 See RSA-ST Flyer (3600-4198) for more RSA standard features



USA
 3800 County Road 116
 Hamel, MN 55340, USA
Phone: (763) 478-8000
Fax: (763) 478-8080
 Toll-Free: **1-800-328-2174**
sales@tolomatic.com
www.tolomatic.com

EUROPE
Tolomatic Europe GmbH
 Zeilweg 42
 60439 Frankfurt am Main
 Germany
Phone: +49 69-2045-7837
EuropeSales@tolomatic.com

CHINA
Tolomatic Automation Products (Suzhou) Co. Ltd.
(ServoWeld® inquiries only)
 No. 60 Chuangye Street, Building 2
 Huqiu District, SND Suzhou
 Jiangsu 215011 - P.R. China
Phone: +86 (512) 6750-8506
Fax: +86 (512) 6750-8507
ServoWeldChina@tolomatic.com

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