

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

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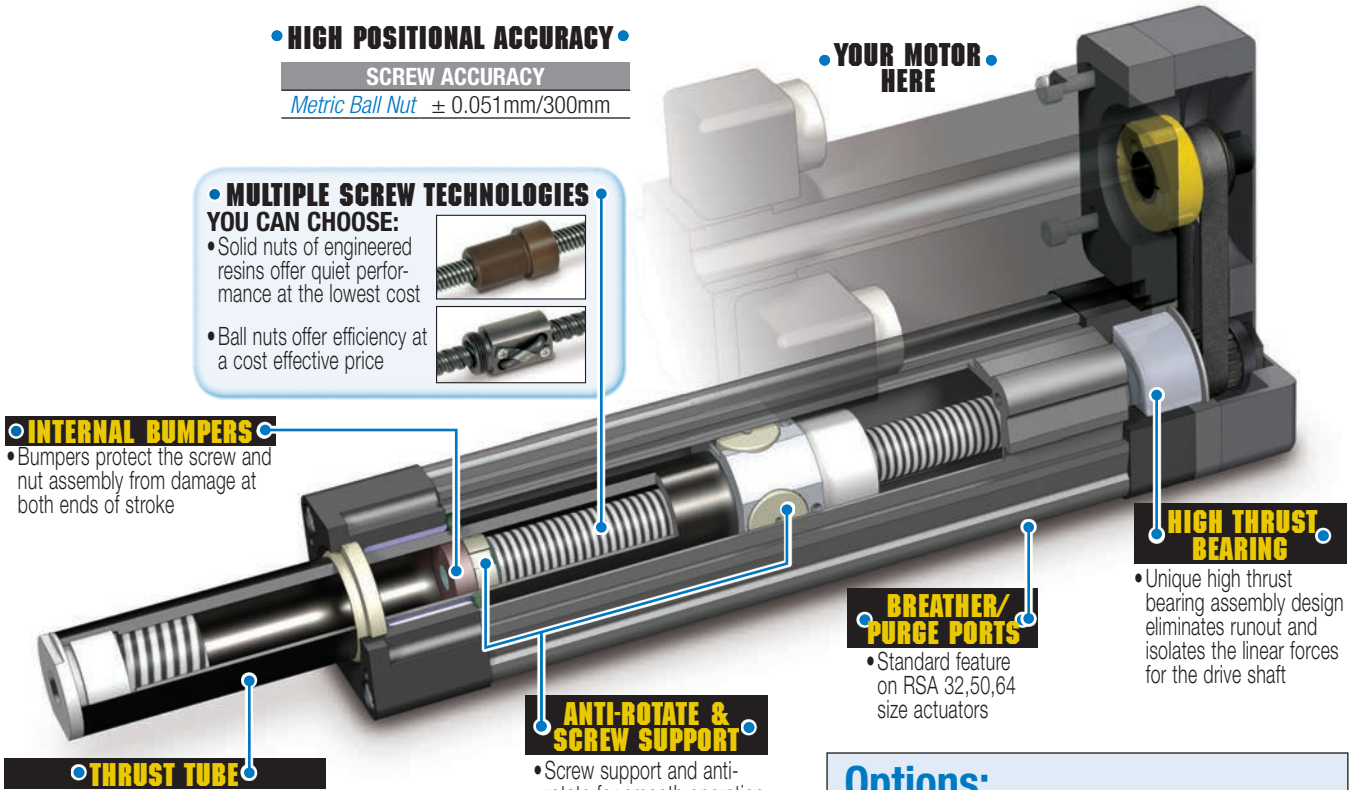
Visit our website - *Click HERE*

Tolomatic
EXCELLENCE IN MOTION®

ENDURANCE TECHNOLOGY℠

ROD-STYLE ELECTRIC ACTUATOR RSA-ST

The RSA screw driven rod-style actuator is ideal for medium to high thrust applications of guided loads. The compact design and cylinder style operation make this an ideal solution for applications historically solved with pneumatic or hydraulic cylinders.



HIGH POSITIONAL ACCURACY

SCREW ACCURACY	
Metric Ball Nut	± 0.051mm/300mm

YOUR MOTOR HERE

MULTIPLE SCREW TECHNOLOGIES YOU CAN CHOOSE:

- Solid nuts of engineered resins offer quiet performance at the lowest cost
- Ball nuts offer efficiency at a cost effective price

INTERNAL BUMPERS

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

THRUST TUBE

- Steel thrust tube supports extremely high force capabilities
- Salt bath nitride treatment provides excellent corrosion resistance, surface hardness and is very resistant to adherence of potential contaminants

ANTI-ROTATE & SCREW SUPPORT

- Screw support and anti-rotate for smooth operation throughout stroke

BREATHER/ PURGE PORTS

- Standard feature on RSA 32,50,64 size actuators

HIGH THRUST BEARING

- Unique high thrust bearing assembly design eliminates runout and isolates the linear forces for the drive shaft

Options:

ROD END +

MET: External Threads
CLV: Clevis Rod End
SRE: Spherical Rod End
ALC: Alignment Coupler Rod End
XR: Rod Extension
IP67: IP67 Ingress Protection
LUB: Food Grade Grease

MOUNTING

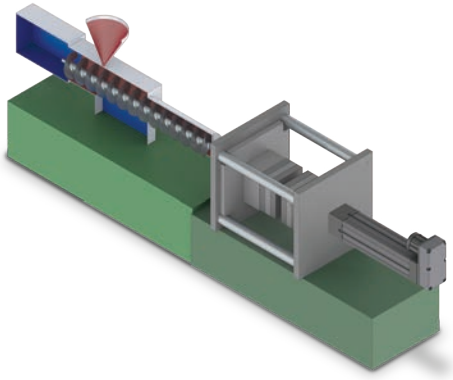
MP2: 2 Mounting Plates
FFG: Front Flange
TRR: Trunnion Mount
FM2: 2 Foot Mounts
BFG: Rear Flange
PCD: Rear Clevis Mount
PCS: Rear Eye Mount

Applications:

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

& more!

Injection Molding



Complete Your System:



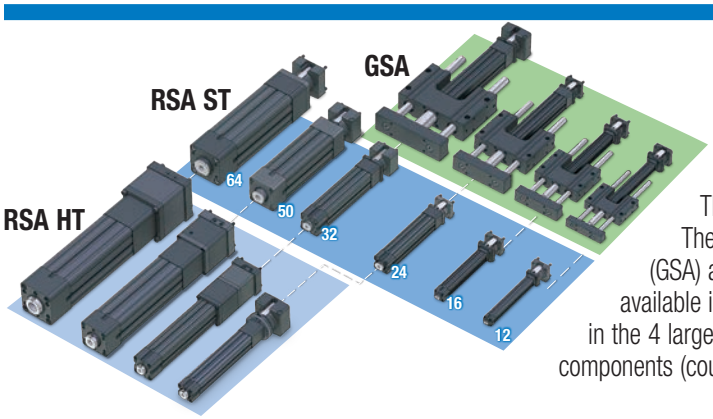
EtherNet/IP ODVA CONFORMANT Modbus PROFINET PI

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

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ROD-STYLE ELECTRIC SCREW-DRIVE ACTUATOR

RSA-ST



The RSA is a flexible electric screw driven rod-style actuator. The standard (ST) model comes in six sizes. The guided RSA (GSA) adds guidance and load support to the design and is available in the 4 smaller sizes. The high force (HT) model is available in the 4 larger sizes, it incorporates stronger torque transmission components (couplers, pulleys, belts) and higher thrust bearings.

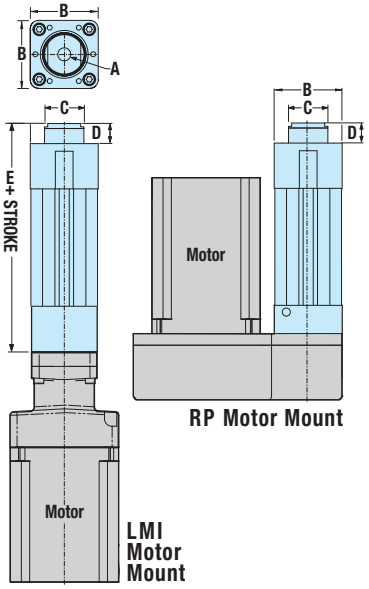
Specifications

Size	12	16	24	32	50	64
Max. Thrust (N)	578	578	3781	4226	13496	17917
Max. Stroke (mm)	305	457	610	914	1219	1524

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

Size	12	16	24	32	50	64
Max. Thrust (lbf)	130	130	850	950	3034	4028
Max. Stroke (in)	12	18	24	36	48	60

Dimensions



SIZE: **12, 16, 24, 32, 50, 64**

Size		12	16	24	32	50	64
	A	M6x1.0 ↧19.0	M8x1.25 ↧19.0	M10x1.25 ↧25.0	M16x1.5 ↧26.0	M20x1.5 ↧38.0	M27x2.0 ↧38.0
	B	28.6	35.0	51.8	65.5	94.1	116.3
	CØ	14.2	17.5	30.0	31.8	44.5	57.2
	D	7.8	10.9	10.9	12.7	17.8	17.3
SOLID	E	88.4	94.2	133.5	173.7	217.6	314.4
BALL	E	88.4	94.2	145.2	203.6	243.0	365.2
ROLLER	E	NA	NA	166.4	NA	NA	NA

Dimensions in millimeters

Size		12	16	24	32	50	64
	A	1/4-28 ↧0.75	5/16-24 ↧0.75	7/16-20 ↧1.00	7/16-20 ↧1.13	3/4-16 ↧1.50	3/4-16 ↧1.50
	B	1.13	1.38	2.04	2.58	3.71	4.58
	CØ	0.56	0.69	1.18	1.25	1.75	2.25
	D	0.31	0.43	0.43	0.50	0.70	0.68
SOLID	E	3.48	3.71	5.26	6.84	8.57	12.38
BALL	E	3.48	3.71	5.72	8.02	9.57	14.38
ROLLER	E	NA	NA	6.55	NA	NA	NA

Dimensions in inches

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

ACTUATOR SIZING

COMPLETE INFORMATION, SIZING SOFTWARE AND SOLID MODELS AVAILABLE AT:

www.tolomatic.com

3D CAD LIBRARY

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We buy equipment

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