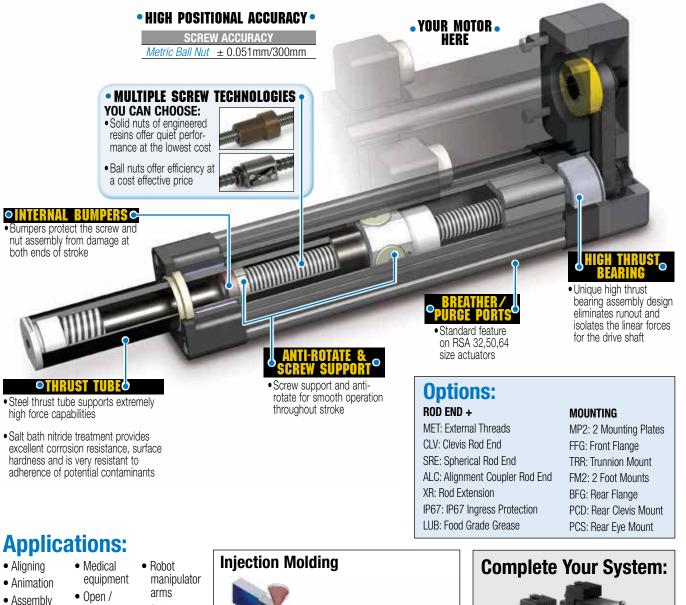


## **ROD-STYLE ELECTRIC ACTUATOR**

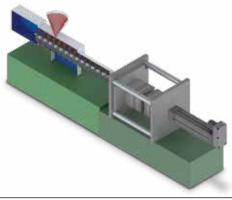
**RSA-ST** The RSA screw driven rod-style actuator is ideal for medium to high thrust applications of guided loads. The compact design and cylinder style operation make this an ideal solution for applications historically solved with pneumatic or hydraulic cylinders.





- Automotive
- Conveyors
- Diverting
- Fillers
- Gating
- Material handling systems

- close doors Sonic welding Packaging
- equipment Sorting
- Pick & place Volumetric • Plate
  - pumps positioning Web
- change quidance Press fit
  - Wire winding & more!





1H!I

matched to provide optimal performance with Tolomatic actuators

Tolomatic

# **ROD-STYLE ELECTRIC SCREW-DRIVE ACTUATOR**

SIZE: 12. 16. 24. 32. 50. 64

# **RSA-ST**

### **RSA HT**

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**

**RSA ST** 

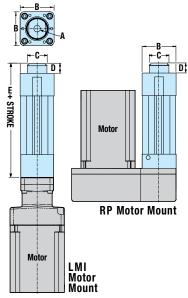
Size	12	16	24	32	50	64
Max. Thrust (N)	578	578	3781	4226	13496	17917
Max. Stroke (mm)	305	457	610	914	1219	1524

GSA

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

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

### Dimensions



	,,, _,, _								
ļ	Size	12	16	24	32	50	64		
	M6x1.0 M		M8x1.25	M10x1.25	M16x1.5	M20x1.5	M27x2.0		
	A	↓19.0	<b></b> ↓19.0	<b>J</b> 25.0	J26.0	<b>↓</b> 38.0	<b>J</b> 38.0		
	В	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	Ε	88.4	94.2	133.5	173.7	217.6	314.4		
BALL	Ε	88.4	94.2	145.2	203.6	243.0	365.2		
ROLLER	E	NA	NA	166.4	NA	NA	NA		
Dime	Dimensions in millimeters								
ļ	Size	12	16	24	32	50	64		
					7/10 00	0/4 40	0/4 40		
	٨	1/4-28	5/16-24	1 7/16-20	7/16-20	3/4-16	3/4-16		
	A	1/4-28 ↓0.75	5/16-24   ↓0.75	↓ //16-20 ↓ ↓1.00	↓ 1.13	J 3/4-16 ↓1.50	3/4-16 ↓1.50		
	A B								
		J0.75	<b>↓</b> 0.75	<b>↓</b> 1.00	<b>↓</b> 1.13	<b>↓</b> 1.50	↓1.50		
	B	↓0.75 1.13	↓0.75 1.38	↓1.00 2.04	↓1.13 2.58	↓1.50 3.71	↓1.50 4.58		
SOLID	B CØ	<b>↓</b> 0.75 1.13 0.56	↓0.75 1.38 0.69	J1.00   2.04   1.18	↓1.13 2.58 1.25	↓1.50 3.71 1.75	↓1.50 4.58 2.25		
SOLID BALL	B CØ D	J0.75   1.13   0.56   0.31	J0.75   1.38   0.69   0.43	↓1.00 2.04 1.18 0.43	↓1.13 2.58 1.25 0.50	↓1.50 3.71 1.75 0.70	↓1.50 4.58 2.25 0.68		
	B CØ D E	IO.751.130.560.313.48	J0.75   1.38   0.69   0.43   3.71	↓1.00 2.04 1.18 0.43 5.26	↓1.13 2.58 1.25 0.50 6.84	↓1.50 3.71 1.75 0.70 8.57	↓1.50 4.58 2.25 0.68 12.38		



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



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