

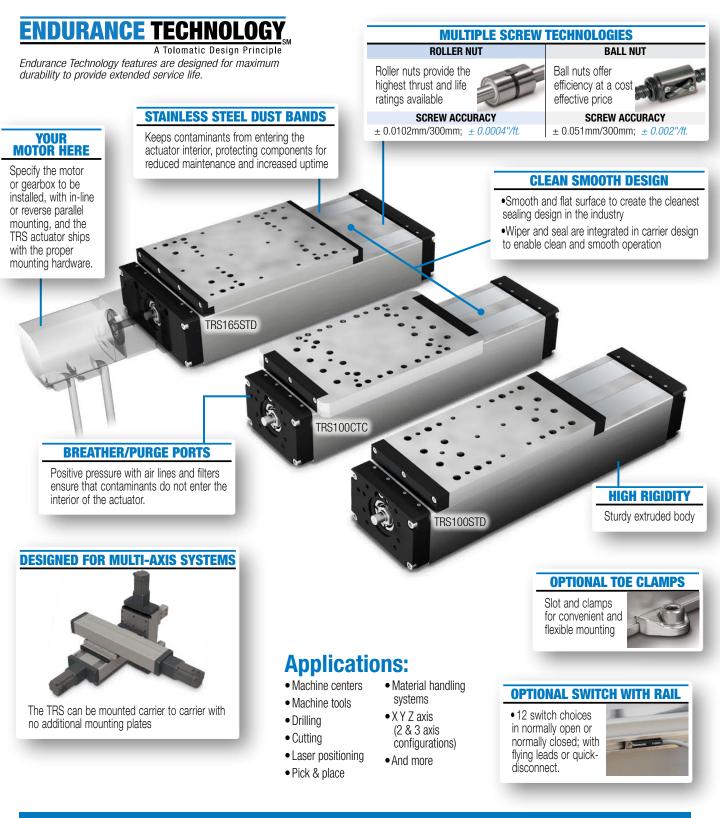
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1-800-328-2174

www.tolomatic.com

## TWIN RAIL STAGE ENCLOSED DESIGN PROFILED RAIL ACTUATOR

The TRS Twin profile rail stage with enclosed design is built from the ground up to be highly rigid and accurate. Available in 100 & 165 sizes, loads up to 1,356 lbf (6.0 kN).

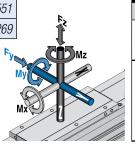


## TWIN RAIL STAGE ENCLOSED DESIGN PROFILED RAIL ACTUATOR

## **Specifications**

н	(. OKE		MAX. BENDING MOMENTS						
TRS SIZE	(MA)	STR	Mx		Му		Mz		
TR	mm	in	N-m	lb-in	N-m	lb-in	N-m	lb-in	
100	750	29.5	101	895	194	1718	175	1551	
165	1100	43.3	294	2604	284	2512	256	2269	

ZE	MAX. FORCE								
TRS SIZE	F	у	F	z	Fzr				
TR	kN	lbf	kN	lbf	kN	lbf			
100	3.7	838	4.8	1085	4.1	928			
165	4.7	1048	6.0	1356	5.2	1160			



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<b>TRS SIZE</b>	SCREW CODE	LEAD	LEAD Accuracy		AXIAL CLEARANCE		DLR @ 1M Rev	
		mm/rev	mm/300mm	in/ft	mm	in	Ν	lbf
100	BN05	5.0	0.100	0.0039	0.07	0.0028	12,000	2698
	BN10	10.0	0.052	0.0020	0.07	0.0028	8,500	1918
165	BN05	5.0	0.100	0.0039	0.07	0.0028	12,000	2698
	BN10	10.0	0.052	0.0020	0.07	0.0028	8,500	1918
	RN05	5.0	0.010	0.0004	0.03	0.0012	53,600	12050
	RN10	10.0	0.010	0.0004	0.03	0.0012	37,900	7846

Dimensions Dimensions in mm [dimensions in brackets = inches] SIZE: 100 STD

NOTE: All TRS actuators have the same height. 100 STD and 100 CTC have the same body size but different carrier width, carrier mounting and dowel holes.

SIZE: 100 CTC

67.00 220.00 [2.64] [8.66] 81.75 [3.22] •Ð 0 Θ 0 100.00 ŝ 0 0 అ 133.00 80 [3.94] [5.24] ® 0 0 o **a**<sup>⊚</sup> ŝ 0 e ٩ с 0 0 0 67.00 220.00 [2.64] [8.66] <u>8</u>1.7<u>5</u>

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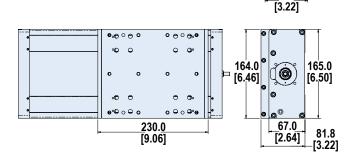
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104.00

[5.28]



SIZE: 165





COMPANY WITH QUALITY SYSTEM CERTIFIED BY DNV GL = ISO 9001 = Certified site: Hamel, MN

100.00

[3.94]

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## **CHINA**

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Visit www.tolomatic.com for the most up-to-date technical information

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