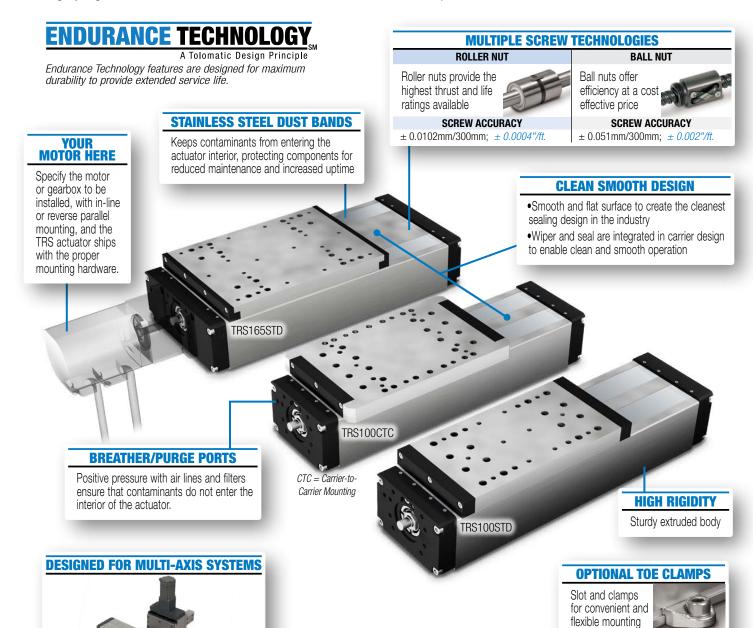
TRS

TWIN RAIL STAGE STROKE CONFIGURABLE 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).



Applications:

- Machine centers
- Machine tools
- $\bullet \ \mathsf{Drilling}$
- Cutting
- Laser positioning
- Pick & place
- Material handling systems
- X Y Z axis (2 & 3 axis configurations)
- And more

OPTIONAL SWITCH WITH RAIL

• 12 switch choices in normally open or normally closed; with flying leads or quickdisconnect.



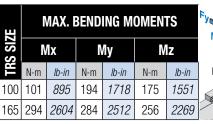


no additional mounting plates

The TRS can be mounted carrier to carrier with

TWIN RAIL STAGE STROKE CONFIGURABLE ACTUATOR

Specifications



MAX. FORCE

Fz

kΝ

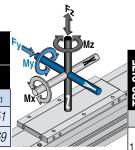
4.8

6.0

lhf

1085

1356



AXIAL FORCE

lbf

562

562

kΝ

2.5

2.5

	TRS SIZE	SCREW CODE	MAX. Stroke		LEAD	LEAD ACCURACY		AXIAL CLEARANCE		DLR @ 1M Rev	
			mm	in	mm/rev	mm/300mm	in/ft	mm	in	N	lbf
	100	BN05	750	29.5	5.0	0.100	0.0039	0.07	0.0028	12,000	2698
		BN10	750	29.5	10.0	0.052	0.0020	0.07	0.0028	8,500	1918
	165	BN05	1100	43.3	5.0	0.100	0.0039	0.07	0.0028	12,000	2698
		BN10	1100	43.3	10.0	0.052	0.0020	0.07	0.0028	8,500	1918
		RN05	575*	22.6*	5.0	0.010	0.0004	0.03	0.0012	53,600	12050

RN10 | 575* | 22.6* | 10.0 | 0.010 | 0.0004 | 0.03 | 0.0012 | 37,900 |

*Values listed for LMI configuration. RP values are 557 mm [21.9 in]

Dimensions

kΝ

3.7

4.7

lbf

838

1048

3ZIS

100

Dimensions in mm [dimensions in brackets = inches]

Fzr

lbf

928

1160

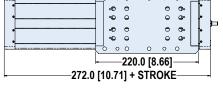
kΝ

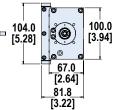
4.1

5.2

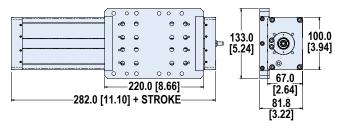
SIZE: 100 STD

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.

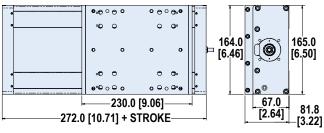




SIZE: **100 CTC**CTC = Carrier-to-Carrier Mounting



SIZE: 165





Tolomatic EXCELLENCE IN MOTION

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CERTIFIED BY DNV GL
= ISO 9001 =
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