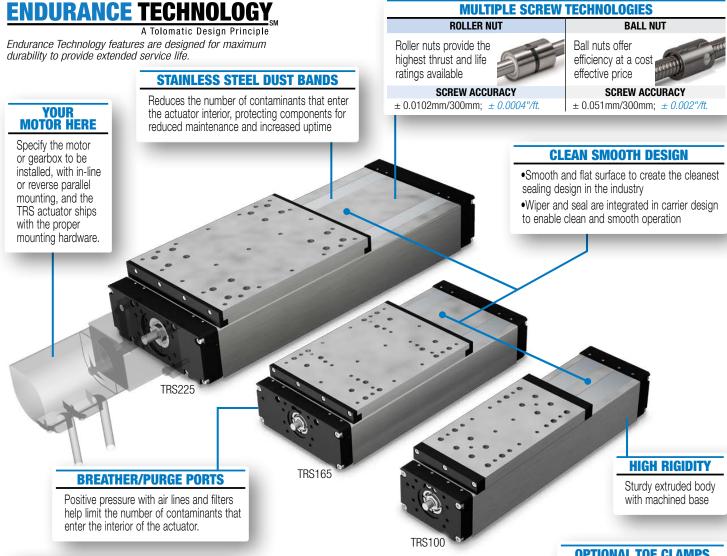


WIN RAIL STAGE STROKE CONFIGURABLE ACTUATOR

The TRS twin profile rail linear stage actuator has an enclosed design and is built to be both highly rigid, precise, and accurate. This linear stage is designed to minimize the overall machine footprint and is stroke configurable to maximize design flexibility. Available in 100, 165, & 225 sizes and capable of handling loads up to 4,320lb (1,960 kg).



DESIGNED FOR MULTI-AXIS SYSTEMS



Options available for optimized mounting of multiple TRS units together. Either in carrier-tocarrier or carrier-to-base connections.

Applications:

- Machine centers
- Machine tools
- Drilling
- Cutting
- Laser positioning
- Pick & place
- Material handling systems
- XYZ axis (2 & 3 axis configurations)
- And more

OPTIONAL TOE CLAMPS

Slot and clamps for convenient and flexible mounting



OPTIONAL SWITCH WITH RAIL

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

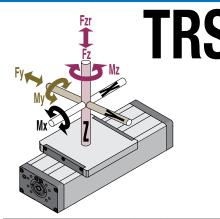




TWIN RAIL STAGE STROKE CONFIGURABLE ACTUATOR

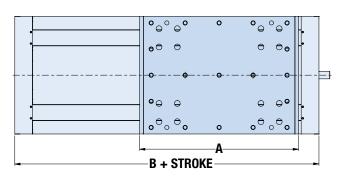
Specifications

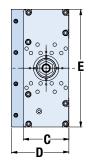
SIZE	SCREW CODE		AX. OKE	LEAD		AD Racy	BACKLASH		DLR @ 1M Rev	
		mm	in	mm/rev	mm/300mm	in/ft	mm	in	N	lbf
100	BNM05	750	29.5	5.0	0.100	0.0039	0.07-0.12	0.0028 - 0.0050	12,000	2,698
100	BNM10	750	29.5	10.0	0.052	0.0020	0.07-0.12	0.0028 - 0.0050	8,500	1,918
	BNM05	1100	43.3	5.0	0.100	0.0039	0.07-0.12	0.0028 - 0.0050	12,000	2,698
165	BNM10	1100	43.3	10.0	0.052	0.0020	0.07-0.12	0.0028 - 0.0050	8,500	1,918
165	RN05	575	22.6	5.0	0.010	0.0004	0.03	0.0012	53,600	12,050
	RN10	575	22.6	10.0	0.010	0.0004	0.03	0.0012	37,900	7,846
	BN01	2200	86.6	25.4	0.100	0.0039	0.07-0.12	0.0028-0.0050	10,200	2,290
	BNM05	2200	86.6	5.0	0.052	0.0039	0.07-0.12	0.0028-0.0050	15,100	3,390
005	BNM10	2200	86.6	10.0	0.052	0.0039	0.07-0.12	0.0028-0.0050	15,000	3,370
225	RN04	819	32.3	4.0	0.010	0.0004	0.03	0.0012	67,200	15,100
	RN05	819	32.3	5.0	0.010	0.0004	0.03	0.0012	73,300	16,500
	RN10	819	32.3	10.0	0.010	0.0004	0.03	0.0012	76,400	17,200



ZE	MAX. BENDING MOMENTS								
TRS SIZE	N	x	N	ly	Mz				
H	N-m	lb-in	N-m	lb-in	N-m	lb-in			
100	105	932	256	2,266	231	2,047			
165	294	2,604	348	3,084	315	2,785			
225	1,180	10,448	1,610	14,247	1,454	12,868			

Dimensions





ZE		AXIAL						
TRS SIZE	Fy		Fz		Fzr		FORCE	
H	kN	lbf	kN	lbf	kN	lbf	kN	lbf
100	3.7	838	4.8	1,085	4.1	928	2.5	562
165	4.7	1,048	6.0	1,356	5.2	1,160	2.5	562
225	14.9	4,320	19.2	3,352	16.5	3,712	12.6	2,828

SIZE	Α	В	C	D	E
S	mm	mm	mm	mm	mm
100	220.0	272.0	67.0	81.8	100.0
165	230.0	282.0	67.0	81.8	165.0
225	304.0	382.0	87.0	110.0	225.0

SIZE	A	В	C	D	E
S	in	in	in	in	in
100	8.66	10.70	2.64	3.22	3.94
165	9.06	11.10	2.64	3.22	6.50
225	11.97	15.04	3.43	4.33	8.86





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