

TBI-TRS25 - Linear Guides

FEATURES

- Size: 25mm Linear Guide Rail
- Dynamic Load: Up to 25.31 kN
- Static Load: Up to 44.15 kN
- Rail Lengths Up to 4 Meters
- Custom Rail Sizes Available
- Matched Bearing Blocks
- End-Seal Options: Standard or Reinforced
- Pre-Load: Clearance, Standard, or Light



DESCRIPTION

TBI's high-quality linear guides deliver precision, durability, and affordability in one single package! Available in a 25mm size, this sleek, high-quality design incorporates the rail and the block together to provide a convenient, easy-to-use product. Little friction resistance allows for high accuracy and speed, while several preload options are available for increased rigidity and performance. They are offered in standard or custom lengths, and are ideal for dynamic loads up to 25.3 kN and static loads up to 44.2 kN. All standard blocks come with a bottom seal and double lip end seals.

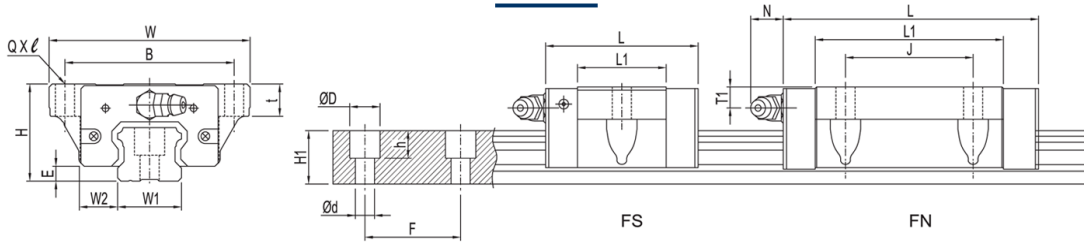
SPECIFICATIONS

Block Part Number	Fabrication Dimensions (mm)			Block Dimensions (mm)								Load Capacities (kN)		Static Moment (Nm)			Weight (lbs)
	H	W ₂	E	W	B	J	L	L1	QxL	T	N	C	C ₀	M _x	M _y	M _z	
TBI-TRS25VN-N-Z0	33	12.5	5.8	48	35	35	81	59	M6x6.5	4.5	14	25.3	44.2	512.3	425.7	425.7	0.7
TBI-TRS25VS-N-Z0	33	12.5	5.8	48	35	n/a	57.2	35.2	M6x6.5	4.5	14	19.1	29.4	341.5	183.6	183.6	0.4
TBI-TRS25FN-N-Z0	33	25	5.8	73	60	35	81	59	M8X10	4.5	14	25.3	44.2	512.3	425.7	425.7	1.0

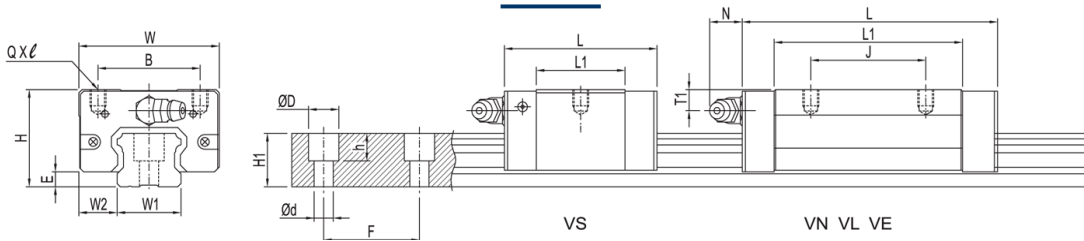
Rail Part Number	Rail Dimensions (mm)							Rail Length (mm)	Weight (lbs)
	W ₁	H ₁	F	D	d	d x D x h			
TBI-TR25N-0150-15-15	23	20	60	11	7	7 x 11 x 9	150	1.1	
TBI-TR25N-0300-30-30	23	20	60	11	7	7 x 11 x 9	300	2.1	
TBI-TR25N-0500-10-10	23	20	60	11	7	7 x 11 x 9	500	3.5	
TBI-TR25N-0700-20-20	23	20	60	11	7	7 x 11 x 9	700	4.9	
TBI-TR25N-0900-30-30	23	20	60	11	7	7 x 11 x 9	900	6.3	
TBI-TR25N-1100-10-10	23	20	60	11	7	7 x 11 x 9	1100	7.7	
TBI-TR25N-1300-20-20	23	20	60	11	7	7 x 11 x 9	1300	9.1	
TBI-TR25N-1500-30-30	23	20	60	11	7	7 x 11 x 9	1500	10.5	
TBI-TR25N-1700-10-10	23	20	60	11	7	7 x 11 x 9	1700	11.9	
TBI-TR25N-1900-20-20	23	20	60	11	7	7 x 11 x 9	1900	13.3	
TBI-TR25N-2100-30-30	23	20	60	11	7	7 x 11 x 9	2100	14.7	
TBI-TR25N-2300-10-10	23	20	60	11	7	7 x 11 x 9	2300	16.1	
TBI-TR25N-2500-20-20	23	20	60	11	7	7 x 11 x 9	2500	17.5	
TBI-TR25N-2700-30-30	23	20	60	11	7	7 x 11 x 9	2700	18.9	
TBI-TR25N-2900-10-10	23	20	60	11	7	7 x 11 x 9	2900	20.3	
TBI-TR25N-3100-20-20	23	20	60	11	7	7 x 11 x 9	3100	21.7	
TBI-TR25N-3300-30-30	23	20	60	11	7	7 x 11 x 9	3300	23.1	
TBI-TR25N-3500-10-10	23	20	60	11	7	7 x 11 x 9	3500	24.5	
TBI-TR25N-3700-20-20	23	20	60	11	7	7 x 11 x 9	3700	25.9	
TBI-TR25N-3900-30-30	23	20	60	11	7	7 x 11 x 9	3900	27.3	
TBI-TR25N-4000L	23	20	60	11	7	7 x 11 x 9	4000	28.0	

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TRS-F



TRS-V



Force Diagram

