

Keyless Locking Devices

Trantorque® or B-LOC®: the Enduring Question

Once you have decided that a keyless locking device is the right solution, your next big decision is which series of Fenner Drives Trantorque or B-LOC Keyless Locking Device to choose. While the underlying engineering principle for both Trantorque and B-LOC is exactly the same, the functionality of each may appeal to different applications and situations.

SELECTION ASSISTANCE	Shaft Size Range	Overall Length Range	Torque Transmission	Axial Movement	Self Centering	Concentricity	Balance	Self-Locking Tapers	Recessed Installation Without Counterbore	RoHS Compliant
Trantorque GT	5/8 – 3 in; 15 – 75mm	1 1/2 – 4 1/4 in; 38.1 – 108mm	164 – 1,549 ft lb; 210 – 2,079 Nm	~0.075 in (1.9mm)	Yes	Excellent	Excellent	Yes	No	Yes
Trantorque Mini	1/8 – 5/8 in; 3 – 16mm	3/4 – 1 1/8 in; 19 – 29mm	100 – 2,079 in lb; 11 – 155 Nm	~0.045 in (1.1mm)	Yes	Excellent	Very Good	Yes	No	Yes
Trantorque Micro	1/8 – 5/8 in; 3 – 16mm	5/8 – 1 1/2 in; 15.8 – 38.1mm	46 – 280 in lb; 5 – 32 Nm	~0.0375 in (0.95mm)	Yes	Excellent	Very Good	No	No	Yes
Trantorque OE	1 1/16 – 1 1/2 in; 17 – 35mm	1 5/8 – 1 23/32 in; 29 – 43mm	166 – 512 ft lb; 218 – 676 Nm	~0.075 in (1.9mm)	Yes	Excellent	Excellent	Yes	No	Yes
Trantorque NT	3/16 – 2 in	1 1/16 – 4 3/64 in	7 – 586 ft lb	No	Yes	Excellent	Very Good	Yes	No	Yes
B-LOC B109	1/4 – 1 3/8 in; 6 – 35mm	0.650 – 1.102 in; 16.5 – 28.5mm	167 – 5,929 in lb; 19 – 683 Nm	No	Yes	Excellent	Excellent	Yes	No	Yes
B-LOC B103	3/4 – 8 in; 15 – 400mm	1.122 – 2.559 in; 21.5 – 116mm	247 – 48,913 ft lb; 115 – 489,701 Nm	~0.032 in (0.8mm)	Yes	Excellent	Excellent	Yes	Yes	Yes
B-LOC B106	5/8 – 8 in; 14 – 400mm	0.846 – 2.559 in; 20.5 – 116mm	55 – 37,959 ft lb; 68 – 372,590 Nm	No	Yes	Excellent	Excellent	Yes	No	Yes
B-LOC B800	1/4 – 4 15/16 in; 6 – 130mm	0.866 – 5.039 in; 22 – 128mm	16 – 18,362 ft lb; 22 – 25,742 Nm	No	Yes	Excellent	Excellent	Yes	No	Yes
B-LOC B400	3/4 – 8 in; 18 – 500mm	0.787 – 2.047 in; 20 – 102mm	234 – 53,827 ft lb; 302 – 814,734 Nm	No	No	Fair	Very Good	No	Yes	No
B-LOC B112	1 – 8 in; 24 – 600mm	1.575 – 5.866 in; 40 – 203mm	600 – 110,469 ft lb; 755 – 1,756,139 Nm	No	Yes	Excellent	Excellent	Yes	Yes	Yes
B-LOC B115	2 3/4 – 8 in; 70 – 600mm	2.441 – 4.134 in; 62 – 160mm	5,261 – 70,109 ft lb; 7,118 – 1,228,856 Nm	No	Yes	Excellent	Excellent	Yes	Yes	Yes
B-LOC B113	180 – 560mm	231 – 280mm	223,566 – 2,342,897 Nm	No	Yes	Excellent	Excellent	Yes	Yes	Yes
B-LOC B117	180 – 600mm	122 – 178mm	84,697 – 1,055,107 Nm	No	Yes	Excellent	Excellent	Yes	No	Yes
B-LOC Compression Hubs	1/2 – 3 in; 12 – 75mm	0.708 – 2.224 in 18.1 – 56.6mm	48 - 4797 ft lb; 65 – 6400 Nm	No	Yes	Fair to Excellent	Excellent	No	N/A	Yes
B-LOC Shrink Discs	5/8 – 21.26 in; 15 – 540mm	0.71 – 11.26 in; 22 – 286 mm	138 – 3,267,568 ft lb	No	Yes	Excellent	Excellent	No	N/A	No
B-LOC WK Couplings	5/8 - 4-1/4 in; 16 – 105mm	1.339 – 4.960 in; 34 -126mm	132 – 19810 ft-lb; 179 – 26859 Nm	No	Yes	Excellent	Excellent	No	N/A	Yes