

## BLRTSX BRUSHLESS ROTARY TORQUE SENSORS

- The sensor is ideal for torque verification and torque-auditing applications. Monitors and measures the torque being applied from the driver to the fastener. It connects between the power tool and the fastening joint
- Lower maintenance requirements and expenses. Longer lifespan (no brush, non-contact signal transfer)
- Use torque sensor with most power tools, high RPM tools, pulse tools or rotational measurement applications.
- Features ARC II technology, an instant auto-recognition system of the BLRTSX connected to the PTT or LTT
- Supplied with a Free ISO 17025 Certification of Calibration
- Bi-directional. Accuracy 0.2% of full scale\*



### Torque Ranges

Models	Item #	American	S.I.	Input Drive	Output Drive
BLRTSX70z-H	170226	10 - 70 ozf.in	7 - 49 cN.m	1/4" M/Hex	1/4" F/Hex
BLRTSX140z-H	170227	25 - 140 ozf.in	18 - 98.8 cN.m	1/4" M/Hex	1/4" F/Hex
BLRTSX18i-H	170228	2 - 18 lbf.in	22.5 - 203 cN.m	1/4" M/Hex	1/4" F/Hex
BLRTSX50i-H	170229	5 - 50 lbf.in	56.5 - 565 cN.m	1/4" M/Hex	1/4" F/Hex
BLRTSX50i	170230	5 - 50 lbf.in	56.5 - 565 cN.m	1/4" F/Sq	1/4" M/Sq
BLRTSX100i-H	170231	10 - 100 lbf.in	113 - 1130 cN.m	1/4" M/Hex	1/4" F/Hex
BLRTSX100i	170232	10 - 100 lbf.in	113 - 1130 cN.m	1/4" F/Sq	1/4" M/Sq
BLRTSX160i-H	170233	16 - 160 lbf.in	180 - 1807 cN.m	1/4" M/Hex	1/4" F/Hex
BLRTSX160i	170234	16 - 160 lbf.in	180 - 1807 cN.m	1/4" F/Sq	1/4" M/Sq
BLRTSX18F	170235	2 - 18 lbf.ft	2.5 - 25 N.m	3/8" F/Sq	3/8" M/Sq
BLRTSX36F	170236	4 - 36 lbf.ft	5 - 50 N.m	3/8" F/Sq	3/8" M/Sq
BLRTSX73F	170237	8 - 73 lbf.ft	10 - 100 N.m	1/2" F/Sq	1/2" M/Sq
BLRTSX118F	170238	12 - 118 lbf.ft	16 - 160 N.m	1/2" F/Sq	1/2" M/Sq
BLRTSX184F	170239	19 - 184 lbf.ft	25 - 250 N.m	3/4" F/Sq	3/4" M/Sq
BLRTSX368F	170240	37 - 368 lbf.ft	50 - 500 N.m	3/4" F/Sq	3/4" M/Sq
BLRTSX738F	170241	74 - 738 lbf.ft	100 - 1000 N.m	1" F/Sq	1" M/Sq

### Related Products



#### BLRTSX Cables

For connecting the BLRTSX to LTT or PTT  
**Item # 072001**

**Note!** \*This is the stand alone accuracy for the torque sensor. When the sensor is coupled with a Mountz torque analyzer, there is a system accuracy. Review the system accuracy listed with each torque analyzer.

### Cable Connection Diagram



A = Ground  
 (Shunt Calibration)  
 C = Torque Output  
 D = Ground (Torque Output)  
 E = Ground (Supply)  
 F = Supply, 11-26 VDC, 1 W  
 K = Shunt Calibration  
 M = Shield  
 B/G/H/J/L = N/A