

BLRTSX-A BRUSHLESS ROTARY TORQUE & ANGLE SENSORS

- Ability to measure the rotation angle of a fastener. Joint rate & breakaway torque can be measured too. Angle output: 2-channel quadrature, 360 pulses per rotation
- 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
- Supplied with a Free ISO 17025 Certification of Calibration
- Features ARC II technology, an instant auto-recognition system of the BLRTSX-A connected to the PTT or LTT.
- System Accuracy $\pm 0.5\%$ of reading from 20% to 100% when connected to an LTT or PTT
System Accuracy $\pm 1\%$ of reading from 10% to 20% when connected to an LTT or PTT



Torque Ranges

Models	Item #	American	S.I.	Input Drive	Output Drive
BLRTSX70z-HA	170246	10 - 70 ozf.in	7 - 49 cN.m	1/4" M/Hex	1/4" F/Hex
BLRTSX140z-HA	170247	25 - 140 ozf.in	18 - 98.8 cN.m	1/4" M/Hex	1/4" F/Hex
BLRTSX18i-HA	170248	2 - 18 lbf.in	22.5 - 203 cN.m	1/4" M/Hex	1/4" F/Hex
BLRTSX50i-HA	170249	5 - 50 lbf.in	56.5 - 565 cN.m	1/4" M/Hex	1/4" F/Hex
BLRTSX100i-HA	170250	10 - 100 lbf.in	113 - 1130 cN.m	1/4" M/Hex	1/4" F/Hex
BLRTSX100i-A	170251	10 - 100 lbf.in	113 - 1130 cN.m	1/4" F/Sq	1/4" M/Sq
BLRTSX160i-HA	170252	16 - 160 lbf.in	180 - 1807 cN.m	1/4" M/Hex	1/4" F/Hex
BLRTSX160i-A	170253	16 - 160 lbf.in	180 - 1807 cN.m	1/4" F/Sq	1/4" M/Sq
BLRTSX36F-A	170254	4 - 36 lbf.ft	5 - 50 N.m	3/8" F/Sq	3/8" M/Sq
BLRTSX73F-A	170255	8 - 73 lbf.ft	10 - 100 N.m	1/2" F/Sq	1/2" M/Sq
BLRTSX118F-A	170256	12 - 118 lbf.ft	16 - 160 N.m	1/2" F/Sq	1/2" M/Sq
BLRTSX184F-A	170257	19 - 184 lbf.ft	25 - 250 N.m	3/4" F/Sq	3/4" M/Sq
BLRTSX368F-A	170258	37 - 368 lbf.ft	50 - 500 N.m	3/4" F/Sq	3/4" M/Sq
BLRTSX738F-A	170259	74 - 738 lbf.ft	100 - 1000 N.m	1" F/Sq	1" M/Sq

Related Products



BLRTSX-A Cables

For connecting the BLRTSX-A to LTT or PTT
Item # 072001

Cable Connection Diagram



- A = Ground (Shunt Calibration)
- B = Angle 1 Speed
- C = Torque Output
- D = Ground (Torque Output)
- E = Ground (Supply)
- F = Supply, 11-26 VDC, 1 W
- G = Angle 2 (90° running after /)
- H = +5V (Angle Voltage)
- K = Shunt Calibration
- M = Shield
- J & L = N/A