BLRTSX

Brushless Rotary Torque Sensor with ARC II Technology

Model	Item #	Torque Ranges American	S.I.
BLRTSX28z-H	**170225**	10 - 28 ozf.in	7 - 20 cN.m
BLRTSX70z-H	**170226**	10 - 70 ozf.in	7 - 49 cN.m
BLRTSX140z-H	**170227**	25 - 140 ozf.in	18 - 98.8 cN.m
BLRTSX18i-H	**170228**	2 - 18 lbf.in	22.5 - 203 cN.m
BLRTSX50i-H	**170229**	5 - 50 lbf.in	56.5 - 565 cN.m
BLRTSX50i	**170230**	5 - 50 lbf.in	56.5 - 565 cN.m
BLRTSX100i-H	**170231**	10 - 100 lbf.in	113 - 1130 cN.m
BLRTSX100i	**170232**	10 - 100 lbf.in	113 - 1130 cN.m
BLRTSX160i-H	**170233**	16 - 160 lbf.in	180 - 1807 cN.m
BLRTSX160i	**170234**	16 - 160 lbf.in	180 - 1807 cN.m
BLRTSX18F	**170235**	2 - 18 lbf.ft	2.5 - 25 N.m
BLRTSX36F	**170236**	4 - 36 lbf.ft	5 - 50 N.m
BLRTSX73F	**170237**	8 - 73 lbf.ft	10 - 100 N.m
BLRTSX118F	**170238**	12 - 118 lbf.ft	16 - 160 N.m
BLRTSX184F	**170239**	19 - 184 lbf.ft	25 - 250 N.m
BLRTSX368F	**170240**	37 - 368 lbf.ft	50 - 500 N.m
BLRTSX738F	**170241**	74 - 738 lbf.ft	100 - 1000 N.m

inches DRIVE SIZE

Model	Input	Output
BLRTSX28z-H	1/4 Male/Hex	1/4 Female/Hex
BLRTSX70z-H	1/4 Male/Hex	1/4 Female/Hex
BLRTSX140z-H	1/4 Male/Hex	1/4 Female/Hex
BLRTSX18i-H	1/4 Male/Hex	1/4 Female/Hex
BLRTSX50i-H	1/4 Male/Hex	1/4 Female/Hex
BLRTSX50i	1/4 Female/Square	1/4 Male/Square
BLRTSX100i-H	1/4 Male/Hex	1/4 Female/Hex
BLRTSX100i	1/4 Female/Square	1/4 Male/Square
BLRTSX160i-H	1/4 Male/Hex	1/4 Female/Hex
BLRTSX160i	1/4 Female/Square	1/4 Male/Square
BLRTSX18F	3/8 Female/Square	3/8 Male/Square
BLRTSX36F	3/8 Female/Square	3/8 Male/Square
BLRTSX73F	1/2 Female/Square	1/2 Male/Square
BLRTSX118F	1/2 Female/Square	1/2 Male/Square
BLRTSX184F	3/4 Female/Square	3/4 Male/Square
BLRTSX368F	3/4 Female/Square	3/4 Male/Square
BLRTSX738F	1 Female/Square	1 Male/Square

CERTIFIED

Supplied with **Free** ISO 17025 Certification of Calibration.

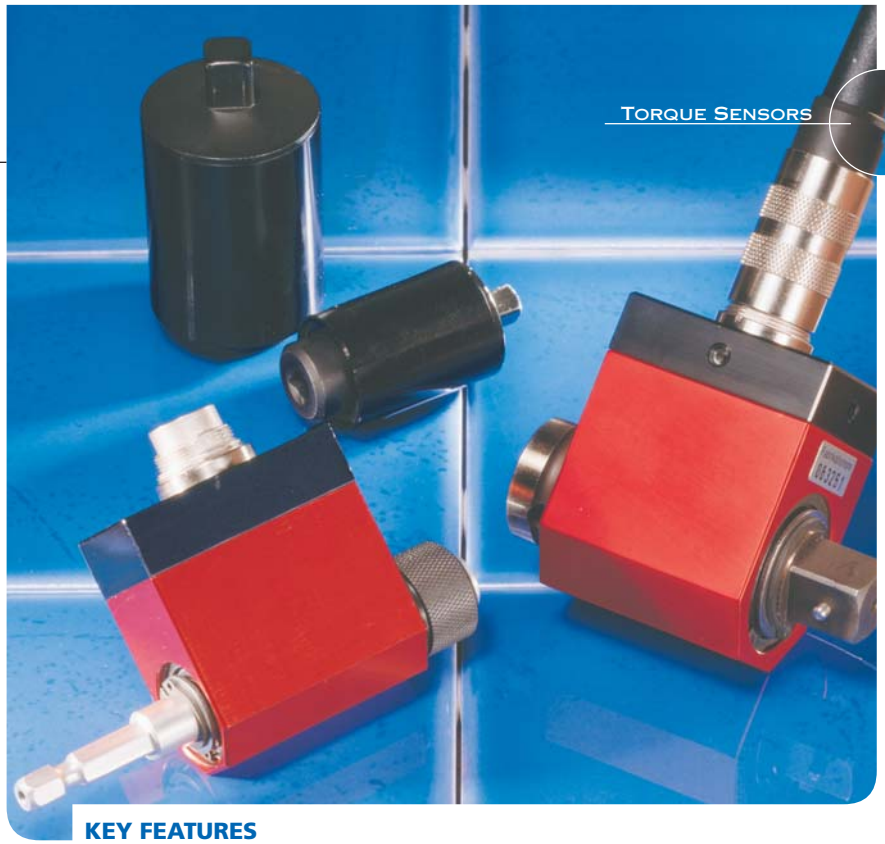
PLUG & PLAY

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.

SPECIFICATIONS

- Rated Output: ± 5VDC ± 0.2% FS
- Excitation Recommended: 11VDC to 26VDC (pole secure)
- Nonlinearity: ± 0.2% FS
- Usable Temperature Range 41 - 122°F
- Mating Connector: Tuchel Series 581 (98-2030-09-12)
- Safe Overload: 150% of Rated Output



KEY FEATURES

Accuracy ± 0.2% of full scale*.

Non-contact signal transfer and maintenance free.

The common "brush bounce" that plagues the accuracy testing of pulse tools is cured when using a BLRTSX.

Bi-directional.

Compact design.

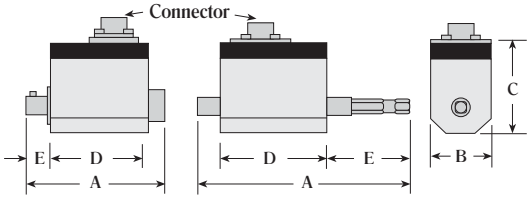
For use with most power tools, high RPM tools, or rotational measurement applications.

Features "ARCII" technology, an instant auto-recognition system of the BLRTSX connected to the PTT or LTT.

mm DIMENSIONS

Model	A	B	C	D	E
BLRTSX28z-H	101	28	52	58	28
BLRTSX70z-H	101	28	52	58	28
BLRTSX140z-H	101	28	52	58	28
BLRTSX18i-H	101	28	52	58	28
BLRTSX50i-H	101	28	52	58	28
BLRTSX50i	75	28	52	58	8.5
BLRTSX100i-H	101	28	52	58	28
BLRTSX100i	75	28	52	58	8.5
BLRTSX160i-H	101	28	52	58	28
BLRTSX160i	75	28	52	58	8.5
BLRTSX18F	74.5	38	58	44	18
BLRTSX36F	74.5	38	58	44	18
BLRTSX73F	79	38	58	44	22.5
BLRTSX118F	79	38	58	44	22.5
BLRTSX184F	97	58	76	50	30
BLRTSX368F	97	58	76	50	30
BLRTSX738F	112	73	90	57	34.5

i & F Models **z-H, i-H Models**



BLRTSX CABLE

Item #072001
For connecting to PTT or LTT

CONNECTION

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