



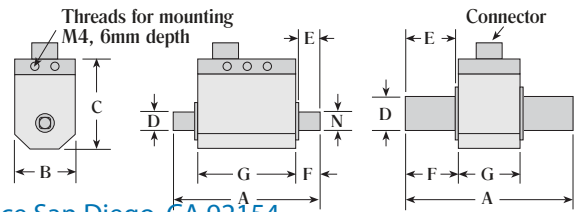
KEY FEATURES

- Accuracy $\pm 0.2\%$ of full scale.
- Non-contact signal transfer and maintenance free.
- Compact design & bi-directional.
- Used in-line with rotating shafts or nutrunners for feed back control. Motor testings, high RPM Tools or rotational measurement applications.
- RA Models:
 - Angle output 2-channel quadrature
 - 360 pulses per rotation
 - Ability to measure the rotation angle of a fastener
 - Joint rate & breakaway torque can be measured too
- Features "ARCII" technology, an instant auto-recognition system of the BLRTSX-R/RA connected to the PTT or LTT.

Model	Item #	Torque Ranges	
		American	S.I.
BLRTSX140z-R	170260	25 - 140 ozf.in	18 - 98.8 cN.m
BLRTSX140z-RA	170261	25 - 140 ozf.in	18 - 98.8 cN.m
BLRTSX18f-R	170262	2 - 18 lbf.in	22.5 - 203 cN.m
BLRTSX18f-RA	170263	2 - 18 lbf.in	22.5 - 203 cN.m
BLRTSX44f-R	170264	4 - 44 lbf.in	45.2 - 497 cN.m
BLRTSX44f-RA	170265	4 - 44 lbf.in	45.2 - 497 cN.m
BLRTSX89f-R	170266	10 - 89 lbf.in	113 - 1005 cN.m
BLRTSX89f-RA	170267	10 - 89 lbf.in	113 - 1005 cN.m
BLRTSX177f-R	170268	18 - 177 lbf.in	203.4 - 2000 cN.m
BLRTSX177f-RA	170269	18 - 177 lbf.in	203.4 - 2000 cN.m
BLRTSX36F-R	170270	4 - 36 lbf.ft	5 - 50 N.m
BLRTSX36F-RA	170271	4 - 36 lbf.ft	5 - 50 N.m
BLRTSX73F-RA	170272	8 - 73 lbf.ft	10 - 100 N.m
BLRTSX148F-RA	170273	15 - 148 lbf.ft	20 - 200 N.m
BLRTSX368F-RA	170274	37 - 368 lbf.ft	50 - 500 N.m
BLRTSX738F-RA	170275	74 - 738 lbf.ft	100 - 1000 N.m

R models are Torque only transducers.
 RA models are Torque & Angle transducers.
 * With feather keyways (2x180°)

Model	DIMENSIONS							
	A	B	C	D	E	F	G	N
BLRTSX140z-R	92	28	52	10	16	17	58	Shaft
BLRTSX140z-RA	92	28	52	10	16	17	58	Shaft
BLRTSX18f-R	92	28	52	10	16	17	58	Shaft
BLRTSX18f-RA	92	28	52	10	16	17	58	Shaft
BLRTSX44f-R	92	28	52	10	16	17	58	Shaft
BLRTSX44f-RA	92	28	52	10	16	17	58	Shaft
BLRTSX89f-R	92	28	52	10	16	17	58	Shaft
BLRTSX89f-RA	92	28	52	10	16	17	58	Shaft
BLRTSX177f-R	108	38	58	19	30	32	44	*
BLRTSX177f-RA	104	38	58	16	20	23	59	*
BLRTSX36F-R	108	38	58	19	30	32	44	*
BLRTSX36F-RA	104	38	58	16	20	23	59	*
BLRTSX73F-RA	125	58	76	28	27	30.5	64	*
BLRTSX148F-RA	125	58	76	28	27	30.5	64	*
BLRTSX368F-RA	197	73	90	42	58	62	73	*
BLRTSX738F-RA	197	73	90	42	58	62	73	*



BLRTSX-R/RA

Brushless Rotary Torque & Angle Shaft Transducer with ARCII Technology

SPECIFICATIONS

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

NOTE!
 For optimum performance, it is recommended to utilize coupling in order to minimize extraneous load & moments due to misalignment. Contact customer service for information.

CERTIFIED
 Supplied with NIST-Traceable Certification of Calibration

PLUG & PLAY

BLRTSX-R/RA CABLE

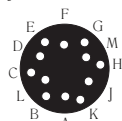
Item #072001
 For connecting a BLRTSX-R/RA to the PTT or LTT.

BLRTSX-R PIN 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

BLRTSX-RA PIN CONNECTION

- A = Ground (Shunt Calibration)
- B = Angle 1 Speed
- C = Torque Output
- D = Ground (Torque Output)
- E = Ground (Supply)
- F = +12V (Supply)
- G = Angle 2 (90° running after Angle 1)
- H = +5V (Angle Voltage)
- K = Shunt Calibration
- M = Shield
- J/L = N/A



The Right Source For Your Test & Measurement Needs

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