

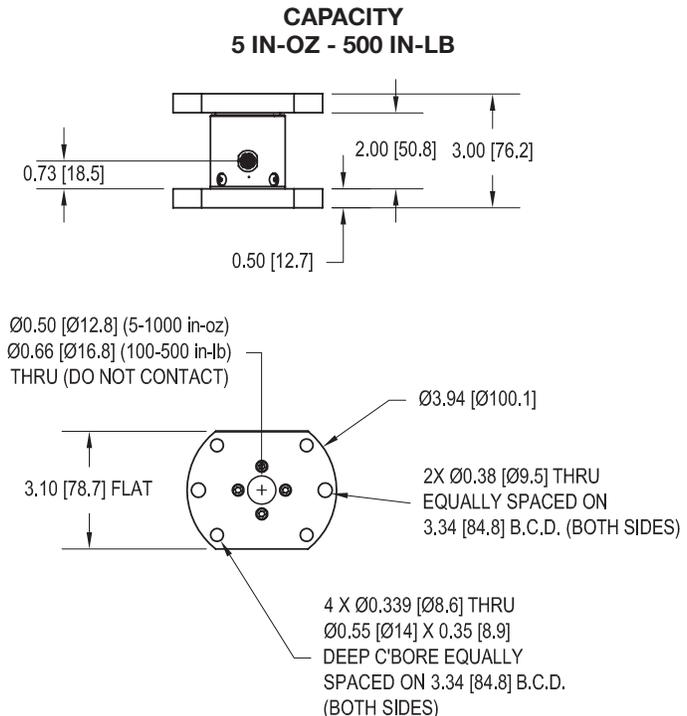
LXT 610 FLANGE TO FLANGE REACTION TORQUE LOAD CELL

The model LXT 610 is a reaction torque transducer and is designed for installation between test pieces such as motors, switches, axles or shafts and their mounting plate. The available ranges are from 5 inoz to 10,000 inlbs. Depending on the range, these models are constructed of aluminum or stainless steel. These torque cells operate in both clockwise and counter-clockwise directions. Utilizing bonded strain gages and no moving parts, these models are maintenance free.

- BI-DIRECTIONAL TESTING
- WIDE TORQUE RANGES
- RUGGED CONSTRUCTION

SPECIFICATIONS

CAPACITY:	5 inoz - 500 inlb
RATED OUTPUT:	1 mV/V nom. (5 inoz) 2 mV/V nominal (10 inoz to 240,000 inlb)
SAFE OVERLOAD:	150% of rated output
EXCITATION VOLTAGE:	18 Vdc max (Vdc or Vac)
BRIDGE RESISTANCE:	350 ohm nom. 700 ohm nom (100 to 500 inlb)
NONLINEARITY:	±0.2% of rated output
HYSTERESIS:	±0.2% of rated output
NONREPEATABILITY:	±0.05% of rated output ±0.2% of rated output (1000 to 10,000 inlb)
COMPENSATED TEMP:	60 to 160° F (15 to 72° C)
MATERIAL:	
5 inoz - 500 inlb –	Aluminum
1000 - 10,000 inlb –	Flexure: Aluminum (1000 to 2000 inlb) 17-4PH S.S. (5000 to 10,000 inlb) Cover: Aluminum
WEIGHT:	
5 inoz - 50 inlb –	14 oz [397 g]
1000 - 2000 inlb –	2 lb [0.9 kg]
5000 - 10,000 inlb –	5 lb [2.3 kg]
CONNECTOR:	
5 inoz - 50 inlb –	4 Pin Lemo Receptacle (EEG.OB.304 CLL)
1000 - 10,000 inlb –	6 Pin BENDIX Receptacle (PT02A-10-6P)
ACCESSORIES AND RELATED INSTRUMENTS AVAILABLE CALIBRATION (Std)	5 pt. CW; 60.4K ohm Shunt Cal.



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AVAILABLE RANGES

Capacity			Torsional Stiffness		
in-oz	in-lb	Nm	in-oz/rad	in-lb/rad	ft-lb/rad
5*	–	0.04	325	–	–
10*	–	0.08	650	–	–
50*	–	0.37	3500	–	–
160*	–	1.2	11000	–	–
1000	–	7.5	71000	–	–
–	100	12	–	77000	–
–	200	24	–	95000	–
–	500	60	–	199000	–

*with overload protection

LXT 610



1000 - 10,000 inlb

CAPACITY 1000 IN-LB – 10,000 IN-LB

