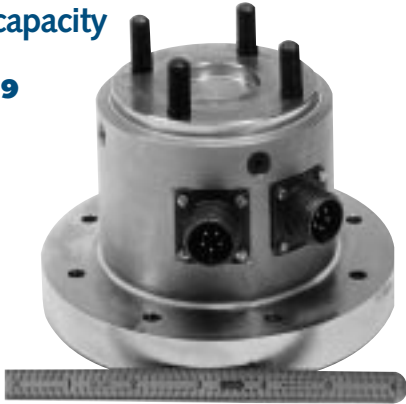


MODEL 6459 AND 6467-6470

Low capacity

6459



Larger capacities

6467



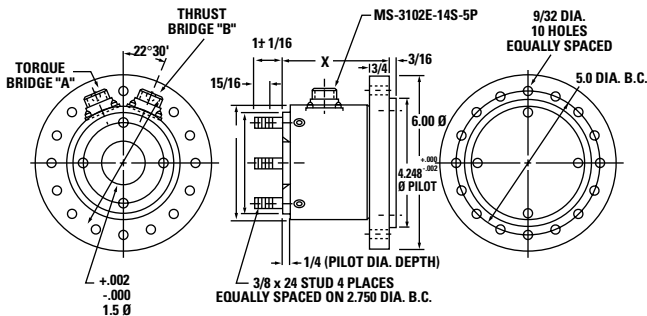
FEATURES :

- Minimal crosstalk
- Extraneous loading resistance
- Single piece construction
- Fatigue rated

Thrust/torque transducers are capable of sensing both torque and thrust force parameters simultaneously. Lebow® thrust/torque transducers are of one-piece construction and are designed specifically to provide the strength and rigidity required to withstand extraneous loads and bending moments. Unique construction provides both maximum structure life and minimum thrust/torque crosstalk.

PERFORMANCE SPECS : 6459 AND 6467-6470

SPECIFICATIONS	TORQUE	THRUST
Actual performance average:		
Nonlinearity:	0.042%	0.080%
Hysteresis:	0.057%	0.071%
Nonlinearity: of rated output	± 0.15% both components	
Hysteresis: of rated output	± 0.15% both components	
Output at rated capacity: millivolts per volt, nominal	± 1.5 both components	
Repeatability: of rated output	± 0.1% both components	
Zero balance: of rated output	± 1%	
Bridge resistance: ohms nominal	700	
Temperature range, compensated: °F	+70 to +170	
Temperature range, compensated: °C	+21 to +77	
Temperature range, usable: °F	-65 to +200	
Temperature range, usable: °C	-54 to +93	
Temperature effect on output: of reading per °F	± 0.002%	
Temperature effect on output: of reading per °C	± 0.0036%	
Temperature effect on zero: of rated output per °F	± 0.002%	
Temperature effect on zero: of rated output per °C	± 0.0036%	
Excitation voltage, maximum: volts DC or AC rms	20	
Insulation resistance, bridge/case: megohms at 50 VDC	>5,000	
Static overload capacity: of rated capacity	150%	



SENSOR CHARACTERISTICS : 6459 AND 6467-6470

MODEL NUMBER	FATIGUE TORQUE (Mz) CAP. lb. in. (N • m)	FATIGUE THRUST (Fz) CAP. lb. (metric ton)	A in. (cm.)	B in. (cm.)	C in. (cm.)	D in. (cm.)	E in. (cm.)	F in. (cm.)	G in. (cm.)	H in. (cm.)	L in. (cm.)	J in. (cm.)
6459	900 (102)	1500 (0.68)	6 (15.24)	3.75 (9.53)	$\frac{4.246}{4.248}$ $(\frac{10.7848}{10.7899})$	0.75 (1.91)	n/a	n/a	3/8-24 Thd., 4 Places Eq. Sp. on 2.75 B.C. (6.99 B.C. 4 Holes Eq. Spaced)	3.50 (8.89)	$\frac{1.500}{1.502}$ $(\frac{3.810}{3.815})$	0.28 Dia. on 5.00 B.C. 16 Holes Eq. Sp. (12.70 B.C. 16 Holes Eq. Spaced)
6467	5,000 (565)	10,000 (4.5)	7.38 (18.73)	5.25 (13.34)	$\frac{5.246}{5.248}$ $(\frac{13.325}{13.350})$	1.75 (4.45)	5.88 (14.92)	7.13 (18.10)	1/2-13 Thd., 0.75 Dp. on 4.00 B.C. (10.16 B.C. 4 Holes Eq. Spaced)	5.44 (13.81)	$\frac{2.500}{2.502}$ $(\frac{6.350}{6.355})$	0.42 Dia. on 6.50 B.C. (16.51 B.C. 16 Holes Eq. Spaced)
6468	25,000 (2,825)	50,000 (22.5)	10.75 (27.31)	8.50 (21.59)	$\frac{7.996}{7.998}$ $(\frac{20.310}{20.315})$	2.25 (5.72)	8.69 (22.07)	10.31 (26.19)	3/8-11 Thd., 1.13 Dp. on 6.50 B.C. (16.51 B.C. 8 Holes Eq. Spaced)	8 (20.32)	$\frac{4.002}{4.004}$ $(\frac{10.165}{10.170})$	0.69 dia. on 9.50 B.C. (24.13 B.C. 16 Holes Eq. Spaced)
6468	25,000 (2,825)	75,000 (34)	10.75 (27.31)	8.50 (21.59)	$\frac{7.996}{7.998}$ $(\frac{20.310}{20.315})$	2.25 (5.72)	8.69 (22.07)	10.31 (26.19)	3/8-11 Thd., 1.13 Dp. on 6.50 B.C. (16.51 B.C. 8 Holes Eq. Spaced)	8 (20.32)	$\frac{4.002}{4.004}$ $(\frac{10.165}{10.170})$	0.69 dia. on 9.50 B.C. (24.13 B.C. 16 Holes Eq. Spaced)
6469	50,000 (5,650)	100,000 (45)	10.75 (27.31)	10.00 (25.40)	$\frac{7.996}{7.998}$ $(\frac{20.310}{20.315})$	3.00 (7.62)	8.56 (21.75)	10.44 (26.51)	7/8-9 Thd., 1.13 Dp. on 6.50 B.C. (16.51 B.C. 8 Holes Eq. Spaced)	8 (20.32)	$\frac{4.002}{4.004}$ $(\frac{10.165}{10.170})$	0.84 Dia. on 9.50 B.C. (24.13 B.C. 16 Holes Eq. Spaced)
6470	100,000 (11,300)	200,000 (90)	16.50 (41.91)	11.00 (27.94)	$\frac{12.496}{12.498}$ $(\frac{31.740}{31.745})$	3.75 (9.53)	13.00 (33.02)	15.50 (39.37)	1.0-8 Thd., 1.50 Dp. on 9.50 B.C. (24.13 B.C. 12 Holes Eq. Spaced)	12 (30.48)	$\frac{5.002}{5.004}$ $(\frac{12.705}{12.710})$	1.13 Dia. on 14.25 B.C. (36.20 B.C. 16 Holes Eq. Spaced)

*Male pilot 3/16.

