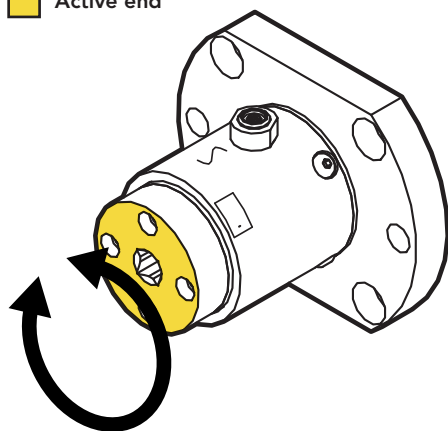




**FEATURES**

- Easily integrates into OEM applications
- Designed for Torque auditing
- Aluminum construction
- Built-in overload protection on lower ranges
- Strain gauge based

 Active end



- Output (CCW)  
+ Output (CW)

**SPECIFICATIONS**

**PERFORMANCE**

Nonlinearity	±0.2% of RO
Hysteresis	±0.2% of RO
Nonrepeatability	±0.05% of RO

**ELECTRICAL**

Rated Output (RO)	1 mV/V nom (5 in-oz) 2 mV/V nom (10 in-oz to 500 in-lb)
Excitation (VDC or VAC)	18 max
Bridge Resistance	350 Ohm nom (5 to 1000 in-oz) 700 Ohm nom (100 to 500 in-lb)
Connection	4 Pin LEMO® Receptacle (EGG. OB. 304 CLL)
Wiring Code	CC4

**MECHANICAL**

Weight (approximate)	14 oz [397 g]
Safe Overload	150% of RO
Material	Aluminum
IP Rating	IP40

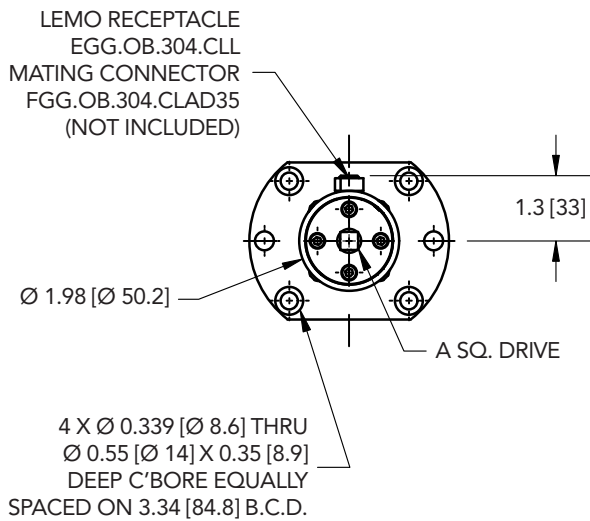
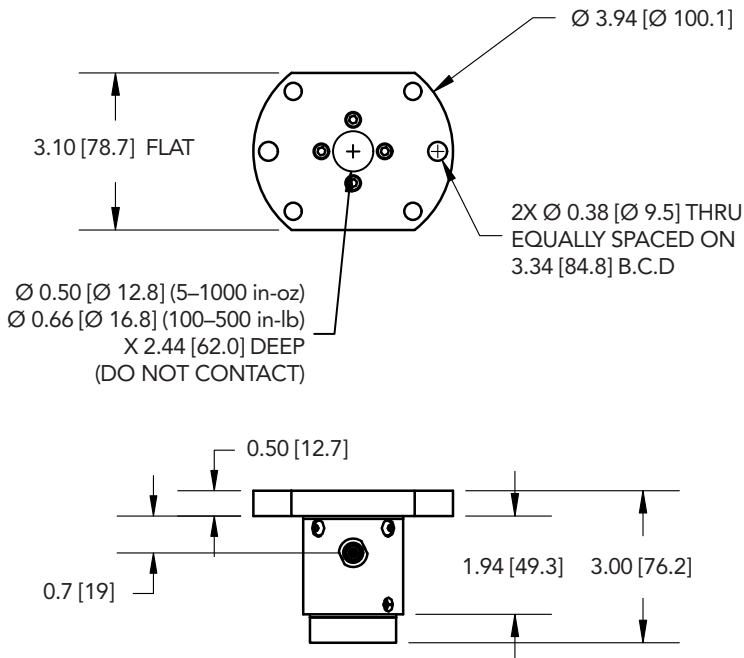
**TEMPERATURE**

Operating Temperature	-60 to 200°F (-50 to 93°C)
Compensated Temperature	60 to 160°F (15 to 72°C)
Temperature Shift Zero	±0.002% of RO/°F (0.0036% of RO/°C)
Temperature Shift Span	±0.002% of Load/°F (0.0036% of Load/°C)

**CALIBRATION**

Calibration Test Excitation	10 VDC
Calibration (standard)	5-pt CW
Calibration (available)	5-pt CW & CCW
Shunt Calibration Value	60.4 kOhm (10 to 1000 in-oz) 100 kOhm (5 in-oz, 100 to 500 in-lb)

## DIMENSIONS inches [mm]



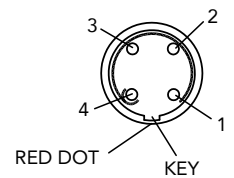
## CAPACITIES

ITEM #	in-oz	Nm	A	Torsional Stiffness in-oz/rad
FSH02790	5*	0.04	1/4"	325
FSH02791	10*	0.07		650
FSH02793	50*	0.35		3500
FSH02795	160*	1.1		11000
FSH02796	400*	2.8		30000
FSH02797	1000	7.0	3/8"	71000
FSH02798	100 in-lb	11		77000 in-lb/rad
FSH02799	200 in-lb	22		95000 in-lb/rad
FSH02800	500 in-lb	56		199000 in-lb/rad

\* WITH OVERLOAD PROTECTION  
 FOR HIGHER CAPACITIES REFER TO MODELS TFF600–750 AND TDF600–675

## CONNECTOR CODE (CC4)

PIN	WIRING CODE
1	+ EXCITATION/RED
4	- EXCITATION/BLACK
2	+ SIGNAL/GREEN
3	- SIGNAL/WHITE



Drawing Number: FI1136-F

FUTEK reserves the right to modify its design and specifications without notice.  
 Please visit <http://www.futek.com/salesterms> for complete terms and conditions.

10 Thomas, Irvine, CA 92618 USA

Tel: (949) 465-0900  
 Fax: (949) 465-0905

[www.futek.com](http://www.futek.com)



U.S. Manufacturer