

FUTEK MODEL TFF350

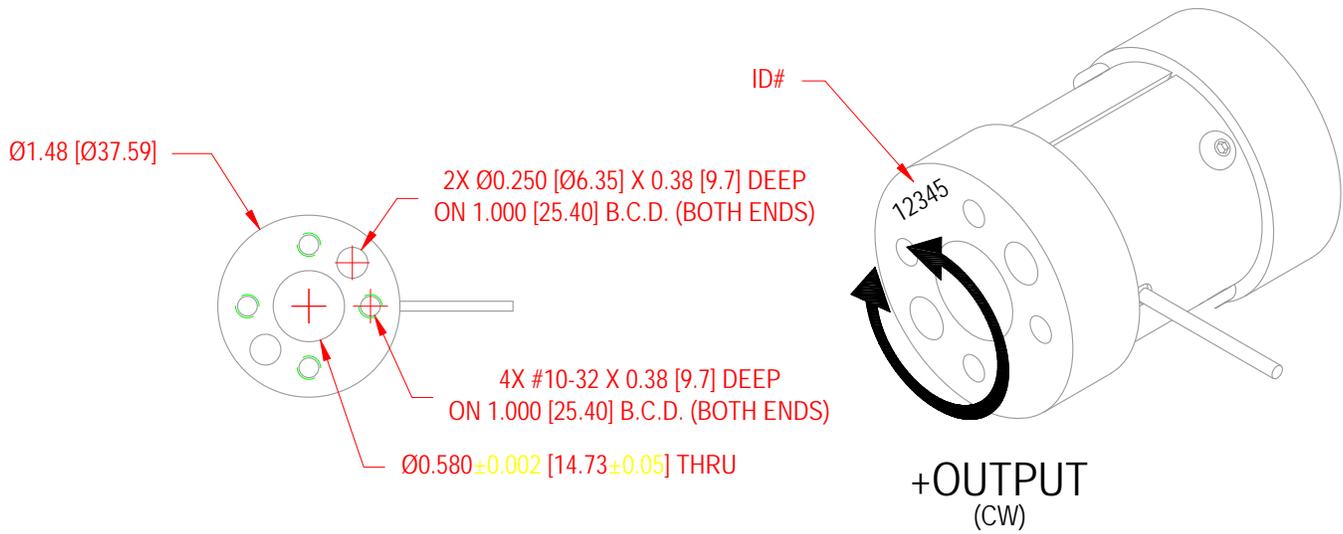
REACTION TORQUE SENSOR (Previously T5162)

Drawing Number: F11139

INCH [mm] | R.O.= Rated Output

WIRING CODE (WC1)

+Excitation	-Excitation	+Signal	-Signal
RED	BLACK	GREEN	WHITE



STK#	CAPACITY		TORSIONAL STIFFNESS	WEIGHT
	in-lb	Nm	in-lb/rad	
FSH00645	100	11	67000	2.9 oz [82.2 g]
FSH00646	150	15	86000	3.0 oz [85.0 g]
FSH00647	500	60	3.22 X 10 ⁵	3.4 oz [94.4 g]
FSH00648	1300	150	8.09 X 10 ⁵	3.5 oz [99.2 g]
FSH00649	3000	339	1.31 X 10 ⁶	8.7 oz [246.6 g]

SPECIFICATIONS:

RATED OUTPUT	2 mV/V nom.
SAFE OVERLOAD	150% of R.O.
ZERO BALANCE	±1% of R.O.
EXCITATION (VDC OR VAC)	18 MAX
BRIDGE RESISTANCE	700 Ω nom.
NONLINEARITY	±0.2% of R.O.
HYSTERESIS	±0.2% of R.O.
NONREPEATABILITY	±0.1% of R.O.
TEMP. SHIFT ZERO	±0.005% of R.O./°F [0.01% of R.O./°C]
TEMP. SHIFT SPAN	±0.01% of LOAD/°F [0.018% of LOAD/°C]
COMPENSATED TEMP.	60 to 160°F [15 to 72°C]
OPERATING TEMP.	-60 to 200°F [-50 to 93°C]
MATERIAL (100 - 1300 in-lb)	ALUMINUM
MATERIAL (3000 in-lb)	17-4PH S.S.
CABLE:	#29 AWG, 4 Conductor, Spiral Teflon Cable 6 in [152] Long
ACCESSORIES AND RELATED INSTRUMENTS AVAILABLE	
CALIBRATION (STD)	2 pt. CW; 100KΩ SHUNT CAL. VALUE
CALIBRATION TEST EXCITATION	10 VDC