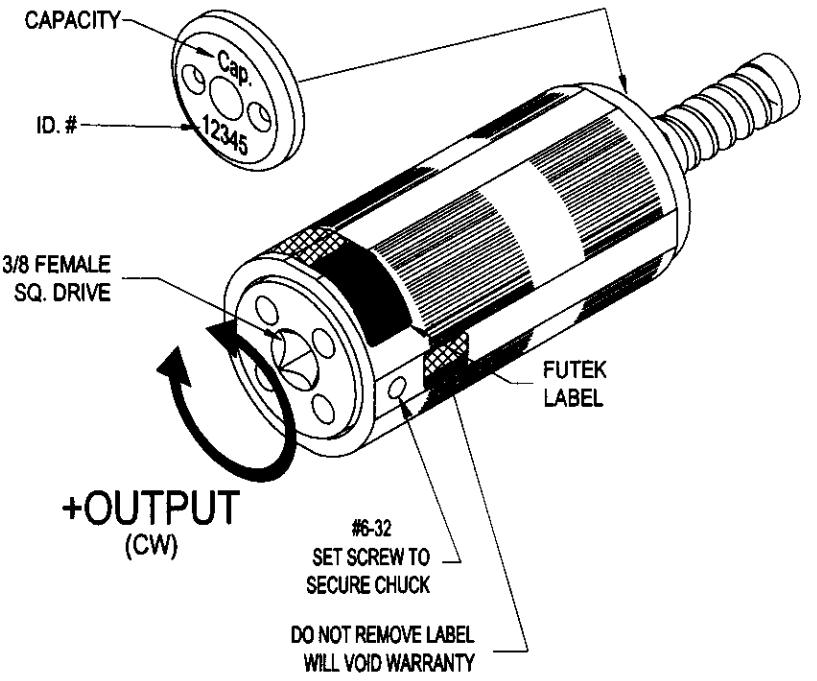
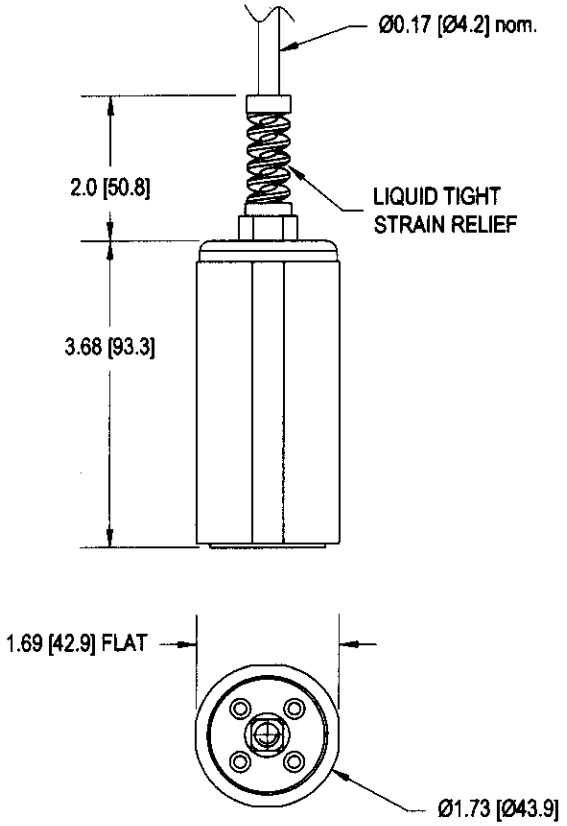
FUTEK MODEL T5165

SCREW DRIVER TORQUE SENSOR

Drawing Number: F1132-12	
INCH [mm]	R.O.= Rated Output

WIRING CODE (WC4)			
+Excitation	-Excitation	+Signal	-Signal
RED	BLACK	GREEN	WHITE
+Sense	-Sense	Shield	
ORANGE	BLUE	Grounded	





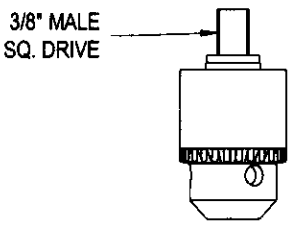
CAPACITY		TORSIONAL STIFFNESS
50 in-oz*	300 mNm	3300 in-oz/rad
12 in-lb*	1.5 Nm	1000 in-lb/rad
50 in-lb	6 Nm	9400 in-lb/rad
100 in-lb	12 Nm	13200 in-lb/rad

*with Overload Protection

OPTIONAL CHUCK ASSEMBLY (NOT INCLUDED)

F1416 (1/16-3/8 DIA CHUCK)
6.3 oz [179 g]

F2995 5/64 -1/2 DIA CHUCK
12.1 oz [343 g]



SPECIFICATIONS:

RATED OUTPUT	*2 mV/V nom.*
SAFE OVERLOAD	*150% of R.O.*
ZERO BALANCE	*±2% of R.O.*
EXCITATION (VDC OR VAC)	*18 MAX*
BRIDGE RESISTANCE	*1000 Ω nom.*
NONLINEARITY	*±0.15% of R.O.*
HYSTERESIS	*±0.15% of R.O.*
NONREPEATABILITY	*±0.05% of R.O.*
TEMP. SHIFT ZERO	*±0.002% of R.O./°F [0.0036% of R.O./°C]*
TEMP. SHIFT SPAN	*±0.002% of LOAD/°F [0.0036% of LOAD/°C]*
COMPENSATED TEMP.	*60 to 160 °F [15 to 72 °C]*
OPERATING TEMP.	*-40 to 180°F [-40 to 82°C]*
WEIGHT	*11 oz [312 g] WITHOUT CHUCK*
MATERIAL	*BLACK ANODIZED ALUMINUM*

CABLE: #28 AWG, 6 Conductor, Retractile PVC Cable 10 ft [3 m] Long Extended

ACCESSORIES AND RELATED INSTRUMENTS AVAILABLE

CALIBRATION (STD)	*5 pt. CW and CCW; 150K Ω SHUNT CAL VALUE*
CALIBRATION TEST EXCITATION	*10 VDC*

FUTEK
ADVANCED SENSOR TECHNOLOGY, INC.

This drawing is submitted solely for the information and exclusive use of the original addressee. It is not to be divulged in whole or in part, by any firm or individual without written permission from FUTEK

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