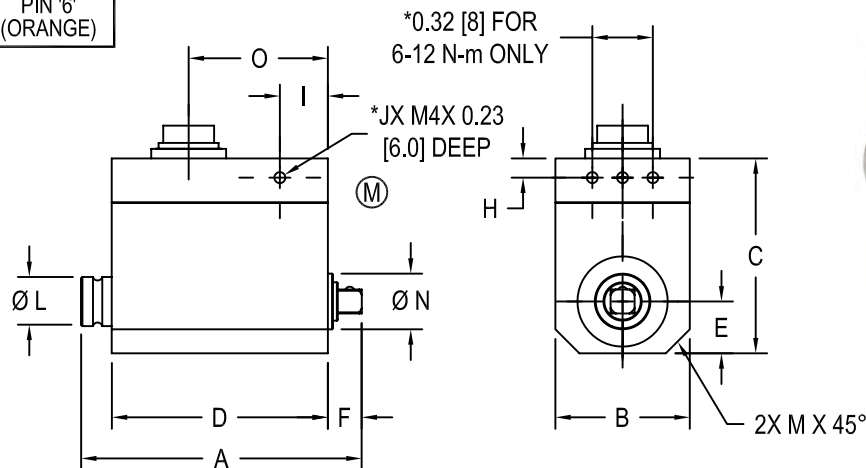


MODEL TRD300

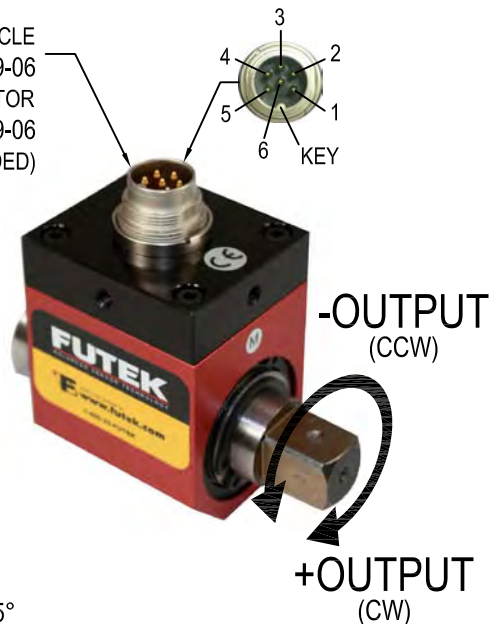
SQ DRIVE ROTARY TORQUE SENSOR

CE COMPLIANT

Drawing Number: FI1023-C			
INCH [mm]		R.O.= Rated Output	
CONNECTOR CODE (CABLE PACKAGE WIRING CODE)			
-Excitation	+Excitation	Shield	+Signal
PIN '1' (BLACK)	PIN '2' (RED)	PIN '3' (FLOATING)	PIN '4' (GREEN)
-Signal	Shunt Cal		
PIN '5' (WHITE)	PIN '6' (ORANGE)		



BINDER RECEPTACLE
09-0323-99-06
(MATING CONNECTOR
99-2022-09-06
NOT INCLUDED)

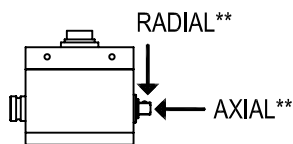


(M) = MEASURING SIDE

TORQUE SENSOR WITH SQUARE DRIVE PER DIN 3121 E,F,G & H.

* ANTI-ROTATION HOLES, NOT TO BE USED TO SUPPORT LOAD.

** MAXIMUM LOAD ALLOWED, NOT FOR MEASUREMENT.



ITEM #	Capacity in-lb N m		Drive	A	B	C	D	E	F	H	I	J	Ø L	M	Ø N	O	**MAX.AXIAL FORCE lb[N]	**MAX.RADIAL FORCE lb[N]	WEIGHT lb[kg]
FSH01983	53	6	1/4"	2.95 [75]	1.1 [28]	2.04 [52]	2.28 [58]	0.55 [14]	0.33 [8.5]	0.19 [5]	0.43 [11]	6	0.51 [13]	0.32 [8]	0.39 [10]	1.46 [37]	34 [150]	7 [30]	0.7 [0.30]
FSH01967	106	12		34 [150]	7 [30]														
FSH01968	221	25	3/8"	2.93 [74.5]	1.49 [38]	2.28 [58]	1.73 [44]	0.75 [19]	0.70 [18]	0.23 [6]	0.86 [22]	3	0.98 [25]	0.40 [10]	0.75 [19]	0.91 [23]	124 [550]	13.5 [60]	0.8 [0.36]
FSH01969	558	63		225 [1000]	13.5 [60]														
FSH01970	1416	160	1/2"	3.11 [79]	1.49 [38]	2.28 [58]	1.73 [44]	0.75 [19]	0.89 [22.5]	0.23 [6]	0.86 [22]	3	0.98 [25]		0.75 [19]	0.91 [23]	405 [1800]	22.5 [100]	0.9 [0.40]
FSH01971	4425	500	3/4"	3.82 [97]	2.28 [58]	2.99 [76]	1.97 [50]	1.14 [29]	1.18 [30]	0.19 [5]	0.98 [25]	3	1.57 [40]	1.18 [30]	1.06 [27]	900 [4000]	34 [150]	2.0 [0.90]	
FSH01972	8851	1000	1"	4.41 [112]	2.87 [73]	3.54 [90]	2.24 [57]	1.44 [36.5]	1.36 [34.5]	0.19 [5]	1.12 [28.5]	3	1.97 [50]	0.71 [18]	1.57 [40]	1.12 [28.5]	1350 [6000]	56 [250]	2.9 [1.30]

SPECIFICATIONS:

RATED OUTPUT	2 mV/V nom.
SAFE OVERLOAD	150% of R.O.
ZERO BALANCE	±1% of R.O.
EXCITATION (VDC OR VAC)	5 to 11
BRIDGE RESISTANCE	350 Ω nom.
NONLINEARITY	±0.2% of R.O.
HYSTERESIS	±0.1% of R.O.
NONREPEATABILITY	±0.2% R.O.
TEMP. SHIFT ZERO	±0.01% of R.O. / °F [±0.02% of R.O. / °C]
TEMP. SHIFT SPAN	±0.01% of LOAD / °F [±0.02% of Load / °C]

OPERATING TEMP.	14 to 194°F [-10 to +90°C]
COMPENSATED TEMP.	41 to 122°F [+5 to +50°C]
ROTATIONAL SPEED	3000 RPM MAX
CONNECTOR:	6 pin Binder Series #581 (09-0323-99-06)
ACCESSORIES AND RELATED INSTRUMENTS AVAILABLE	
CALIBRATION (STD)	Certificate of Conformance
CALIBRATION (AVAILABLE)	5pt CW and CCW
SHUNT CAL VALUE (INTERNAL)	43K ohm
CALIBRATION TEST EXCITATION	10VDC
SHUNT CALIBRATION	With sensor fully connected jump Pins 1 & 6 to generate 2 mV/V nom. output.