

FUTEK MODEL TRS300

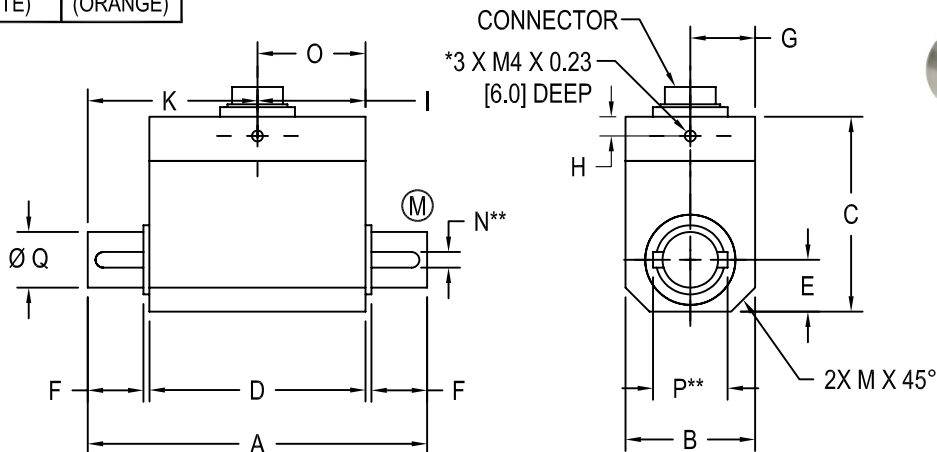
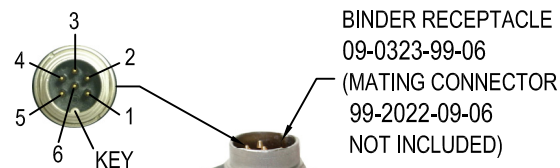
SHAFT TO SHAFT ROTARY TORQUE SENSOR

Drawing Number: FI1025-D

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

CE COMPLIANT

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)		

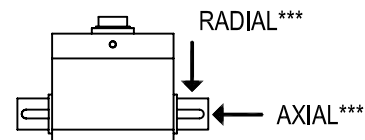


(M) = MEASURING SIDE

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

** FEATHER KEYWAYS PER DIN 6885, KEYWAYS COME PRE-INSTALLED.

*** MAXIMUM LOAD ALLOWED, NOT FOR MEASUREMENT.



ITEM #	CAPACITY		Ø Q	A	B	C	D	E	F	G	H	I	K	M	N**	P**	O	***MAX. AXIAL	***MAX. RADIAL	WEIGHT
	in-lb	N-m																FORCE lb[N]	FORCE lb[N]	
FSH01987	89	10	0.748 [19] g6	4.25 [108]	1.49 [38]	2.28 [58]	1.73 [44]	0.74 [19]	1.18 [30]	0.74 [19]	0.23 [6]	0.86 [22]	2.08 [53]	0.32	0.236	0.945	0.87	34	4.5	1.1 [0.5]
FSH01988	177	20												124				6.8		
FSH01989	443	50												225				11		
FSH01990	885	100												405				56		
FSH01991	1770	200	1.496 [38] g6	7.16 [182]	2.87 [73]	3.54 [90]	2.24 [57]	1.43 [36.5]	2.36 [60]	1.43 [36.5]	0.19 [5]	1.12 [28.5]	3.56 [90.5]	-	0.394	1.732	1.14	900	67	5.2 [2.35]
FSH01992	4425	500												1350				90		
FSH01993	8851	1000												1350				90		

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	Certificate of Conformance
CALIBRATION (STD)	5pt CW and CCW
CALIBRATION (AVAILABLE)	87K ohm
SHUNT CAL VALUE (INTERNAL)	10VDC
CALIBRATION TEST EXCITATION	With sensor fully connected jump Pins 1 & 6 to generate 2 mV/V nom output.
SHUNT CALIBRATION	