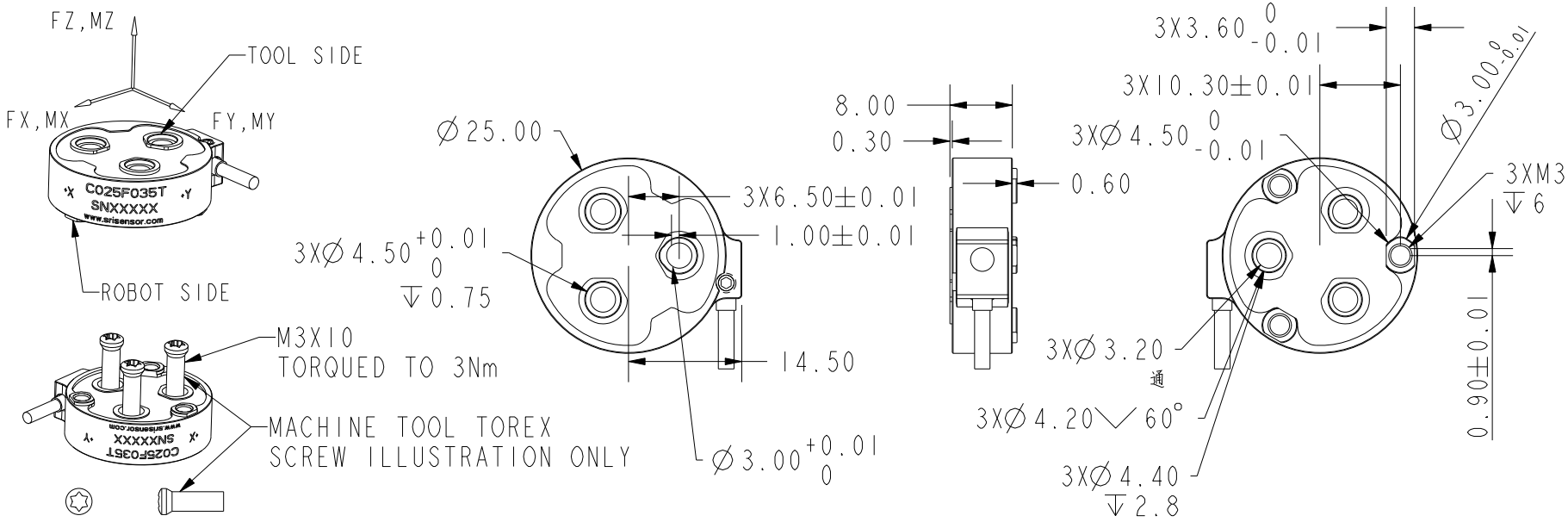


CHANNELS ARE COUPLED, AND DECOUPLED MATRIX ARE PROVIDED

WHEN THE SENSOR IS ON TABLETOP STATE WITH NO LOAD OR AFTER IT HAS BEEN MOUNTED ON THE CUSTOMER'S FIXTURE, ITS ZERO OUTPUT MAY SHIFT BY AS MUCH AS 150% OF FULL SCALE. THIS SHIFT DOES NOT AFFECT THE SENSOR'S ACCURACY, MEASUREMENT RANGE AND OVERLOAD CAPACITY.

POSITIVE OUTPUT WHEN THE LOADING IS APPLIED TO THE TOOL SIDE OF THE LAODCELL, PER COORDINATE SYSTEM AS SHOWN

	Fx	Fy	Fz	Mx	My	Mz
CAPACITY (N/Nm)	35	35	35	0.5	0.5	0.5
OUTPUT (mV/V)	COUPLED OUTPUT					
BRIDGE RES. (Ω)	900	900	900	900	900	900

WIRING CODE (14-CONDUCTOR CABLE)

NO.	COLOR	FUNCTION	NO.	COLOR	FUNCTION	NO.	COLOR	FUNCTION
1	WHITE	CH1+	6	LIGHT YELLOW	CH3-	11	PURPLE	CH6+
2	BROWN	CH1-	7	GREEN	CH4+	12	LIGHT PURPLE	CH6-
3	ORANGE	CH2+	8	GRAY	CH4-	13	RED	+E
4	LIGHT ORANGE	CH2-	9	BLUE	CH5+	14	BLACK	-E
5	YELLOW	CH3+	10	LIGHT BLUE	CH5-			

SHIELD TO SENSOR BODY

SPECIFICATIONS	
EXCITATION MAX. (V)	10
OVERLOAD CAPACITY (%F.S.)	300
CROSSTALK (%F.S.)	2.5
NON-LINEARITY (%F.S.)	1.0
HYSTERESIS (%F.S.)	1.0
COMPREHENSIVE ACCURACY (%F.S.)	2.5
OPERATING TEMP. RANGE (°C)	-40 TO +90
MASS (KG)	0.01

SUNRISE INSTRUMENTS

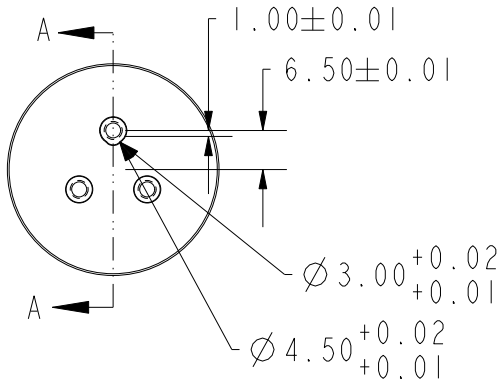
www.srisensor.com

SIX AXIS CIRCULAR LOAD CELL
EXTRA THIN,COUPLED,D25MM F35N

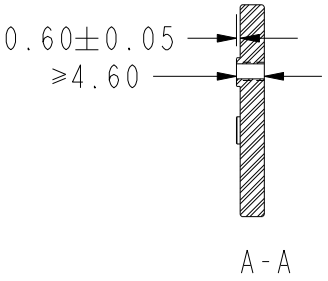
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM	C025F035T	REV. A

MATING PARTS (MATERIAL: ALUMINUM)

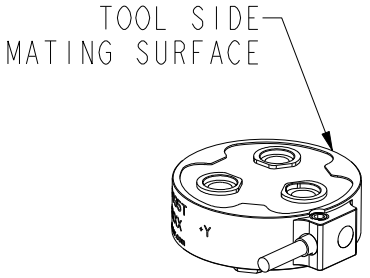
TOOL SIDE



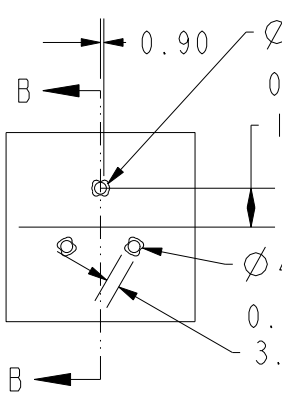
0.01~0.02mm INTERFERENCE FIT



A-A

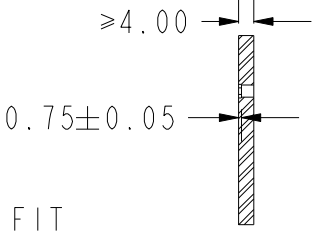


ROBOT SIDE

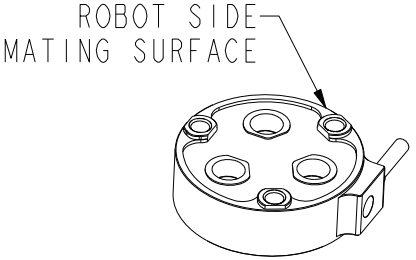


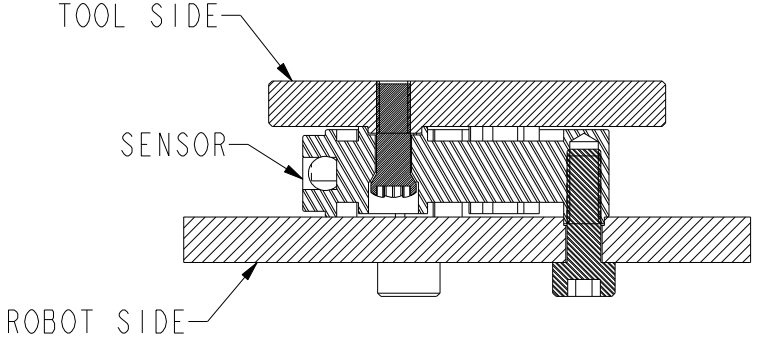
0.01~0.02mm INTERFERENCE FIT

0.01~0.02mm INTERFERENCE FIT



B-B





SUNRISE INSTRUMENTS

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SIX AXIS CIRCULAR LOAD CELL
EXTRA THIN,COUPLED,D25MM F35N (PAGE2)

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM	C025F035T	REV. A