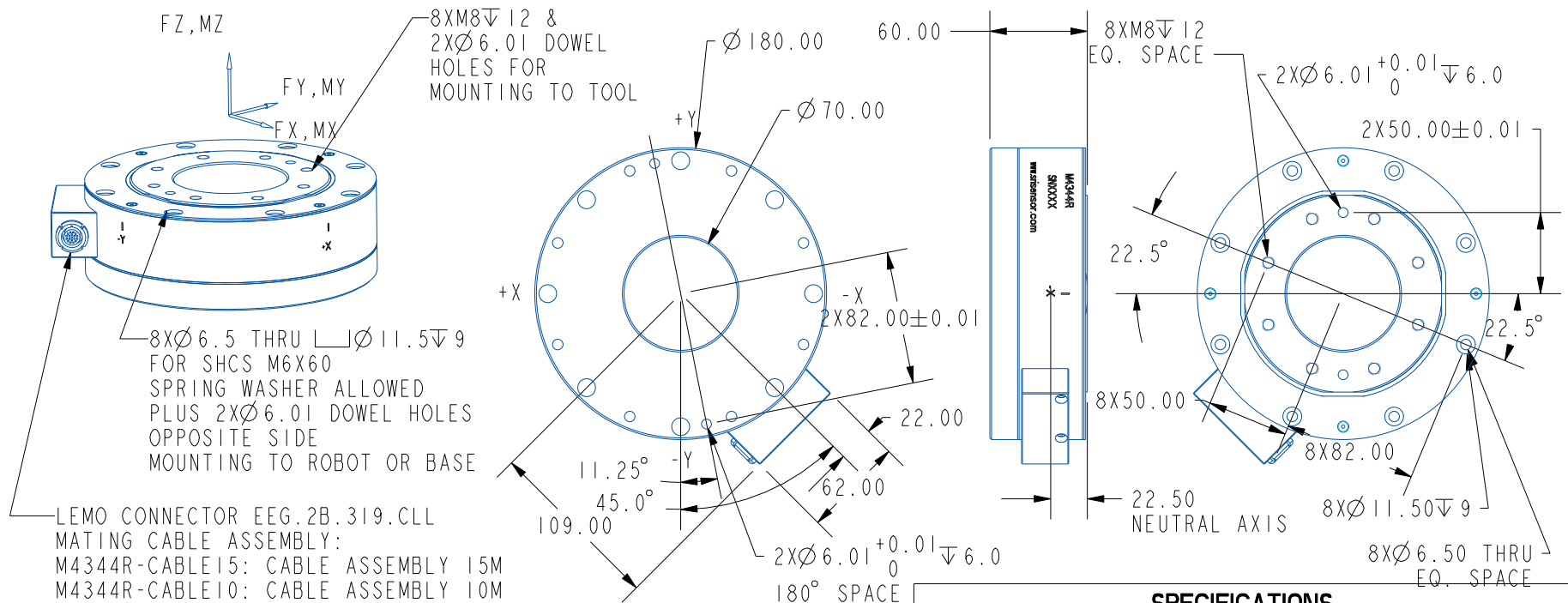




POSITIVE OUTPUT WHEN THE LOAD IS APPLIED TO THE TOOL SIDE
PER COORDINATE SYSTEM AS SHOWN

	Fx	Fy	Fz	Mx	My	Mz
CAPACITY (N/Nm)	5000	5000	15000	500	500	500
OUTPUT (mV/V)	0.6	0.6	1.0	0.9	0.9	0.5
BRIDGE RES. (Ω)	350	350	700	350	350	700

LEMO PIN ASSIGNMENT - TWISTED PAIR COLOR CODES

PIN #	FUNCTION	PIN #	FUNCTION	PIN #	FUNCTION
1	+FX WT(BN)	6	-FZ BN(BL)	10	-MY BN(RD)
2	-FX BN(WT)	7	+MX YL(BN)	11	+MZ WT(BK)
3	+FY OG(BN)	8	-MX BN(YL)	12	-MZ BK(WT)
4	-FY BN(OG)	9	+MY RD(BN)	17	-V BK(OG)
5	+FZ BL(BN)	18	+V OG(BK) & BL(BK) & BK(BL)		
19	GND RD(BK)&BK(RD)&YL(BK)&BK(YL)		SHIELD TO CONNECTOR SHELL		

WT=WHITE, BN=BROWN, OG=ORANGE, BL=BLUE, YL=YELLOW, RD=RED, BK=BLACK
WT(BN)=WHITE WIRE IN WHITE & BROWN PAIR, CABLE ASSEMBLY NOT INCLUDED

SPECIFICATIONS

EXCITATION (V)	5V (TYP)
OVERLOAD CAPACITY (%F.S.)	200
FREE AIR RESONANT FREQ. (HZ.)	4000
CROSSTALK (%F.S.)	3.0
NON-LINEARITY (%F.S.)	0.5
HYSTERESIS (%F.S.)	0.5
OPERATING TEMP. RANGE (°C)	-40 TO +100
COMPENSATED TEMP. RANGE (°C)	10 TO 70
MASS (KG)	7.7

SUNRISE INSTRUMENTS
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SIX AXIS CIRCULAR LOAD CELL, DECOUPLED
D180MM F15KN

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN MM

M4344R

REV.
A6