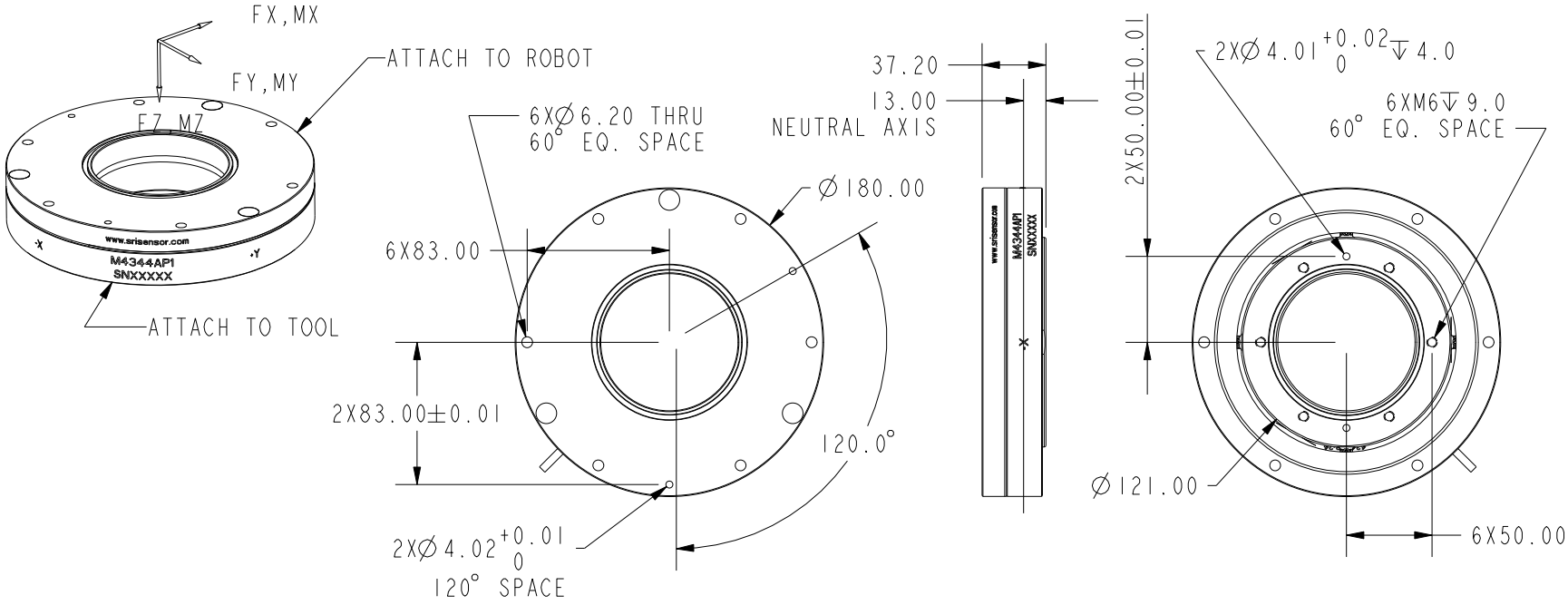



POSITIVE OUTPUT WHEN THE LOAD IS APPLIED TO THE TOOL SIDE
PER COORDINATE SYSTEM AS SHOWN

THE OUTPUTS ARE NOT STRUCTURALLY DECOUPLED
A 6X6 DECOUPLED MATRIX IS PROVIDED TO OBTAIN EACH COMPONENT

| | Fx | Fy | Fz | Mx | My | Mz |
|---|---|---|---|---|---|---|
| CAPACITY (N/Nm) | 400N | 400N | 400N | 50Nm | 50Nm | 50Nm |
| OUTPUT (V) | COUPLED | | | | | |

| SPECIFICATIONS | |
|---|---|
| POWER SUPPLY (V) | 5V |
| OVERLOAD CAPACITY (%F.S.) | 300 |
| FREE AIR RESONANT FREQ. (HZ.) | 1800 |
| 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) | 1.6 |

**WIRING CODE - TWISTED PAIR**

| FUNC | CHN1 | CHN2 | CHN3 | CHN4 | CHN5 | CHN6 |
|---|---|---|---|---|---|---|
| +SIG | WHITE(BROWN) | ORG(BROWN) | BLUE(BROWN) | YEL(BROWN) | RED(BROWN) | WHITE(BLACK) |
| -SIG | BROWN(WHITE) | BROWN(ORG) | BROWN(BLUE) | BROWN(YEL) | BROWN(RED) | BLACK(WHITE) |
| +EXC | ORG(BLACK) | BLACK(ORG) | BLUE(BLACK) | BLACK(BLUE) | RED(BLACK) | BLACK(RED) |
| -EXC | YELLOW(BLACK) | | | BLACK(YELLOW) | | |

"YEL"="YELLOW", "ORG"="ORANGE", "WHITE(BROWN)" = WHITE CABLE IN WHITE/BROWN PAIR

**SUNRISE INSTRUMENTS**

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SIX AXIS CIRCULAR LOAD CELL, COUPLED
D180MM F400N, IP68

| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM | M4344AP1 | REV. A |
|---|---|---|