

8X $\varnothing$  4.20  
ON  $\varnothing$  71.00 B.C.  
45° EQ. SPACE

$\varnothing$  45.00

22.5°

$\varnothing$  19.000<sup>+0.013</sup><sub>0</sub>

|               |       |   |
|---------------|-------|---|
| $\varnothing$ | 0.016 | A |
| $\perp$       | 0.01  | B |

NOTE: THE OVERLOAD CAPACITIES FOR BENDING MOMENT, AXIAL AND RADIAL FORCE EXCEED 300% OF THOSE USED FOR CROSSTALK MEASUREMENT

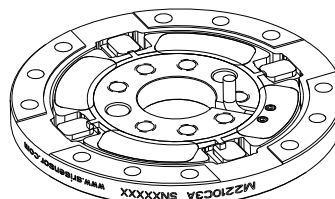
### SPECIFICATIONS

|                                        |             |
|----------------------------------------|-------------|
| CAPACITY (Nm)                          | 150         |
| OVERLOAD CAPACITY (%F.S.)              | 300         |
| OUTPUT @ F.S. (V) NOMINAL              | 2.5 $\pm$ 2 |
| POWER SUPPLY (V)                       | 5V          |
| BRIDGE RESISTANCE ( $\Omega$ ) NOMINAL | 350         |
| NON-LINEARITY (%F.S.)                  | 0.5         |
| HYSTERESIS (%F.S.)                     | 1.0         |
| OPERATING TEMP. RANGE (°C)             | -20 TO +100 |
| CROSSTALK (%F.S.)                      | 1.0         |
| AXIAL FORCE FOR CROSSTALK (N)          | 300         |
| RADIAL FORCE FOR CROSSTALK (N)         | 500         |
| BENDING MOMENT FOR CROSSTALK (Nm)      | 50          |
| TORSION ANGLE (CALCULATED)             | 0.04°       |
| TORSIONAL STIFFNESS (KNm/RAD)          | 95          |
| BENDING STIFFNESS (KNm/RAD)            | 23          |
| MASS (KG)                              | 0.18        |

4X $\varnothing$  4.01<sup>+0.01</sup><sub>0</sub>  
ON  $\varnothing$  71.00 B.C.  
90° EQ. SPACE

|             |       |   |
|-------------|-------|---|
| $\parallel$ | 0.018 | B |
|-------------|-------|---|

7.00<sup>0</sup><sub>-0.03</sub>

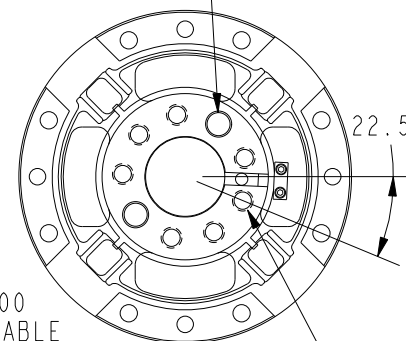


DRAWING IN THIRD ANGLE PROJECTION

2X $\varnothing$  5.50<sup>+0.01</sup><sub>0</sub> THRU  
ON  $\varnothing$  30.00 B.C.  
360°/9 EQ. SPACE, AS SHOWN  
CHAM 0.4X45° BOTH SIDES

|               |      |   |
|---------------|------|---|
| $\varnothing$ | 0.02 | C |
|---------------|------|---|

$\varnothing$  3.00  
2M CABLE



7X $\varnothing$  5 THRU  
ON  $\varnothing$  30.00 B.C.  
360°/9 EQ. SPACE  
AS SHOWN

### WIRING CODE

| COLOR | FUNCTION |
|-------|----------|
| RED   | +EX      |
| GREEN | +SIG     |
| BLACK | GND      |
| BROWN | -SIG     |

**SUNRISE INSTRUMENTS**

[www.srisensor.com](http://www.srisensor.com)

SINGLE AXIS TORQUE LOADCELL  
D80MM, 150 Nm

UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN MM

M2210C3A

REV.  
A