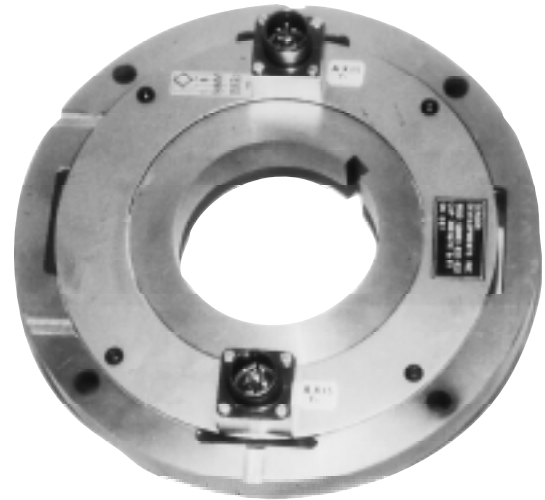


Multi-Component Sensors

50014

BI AXIAL FORCE SENSOR

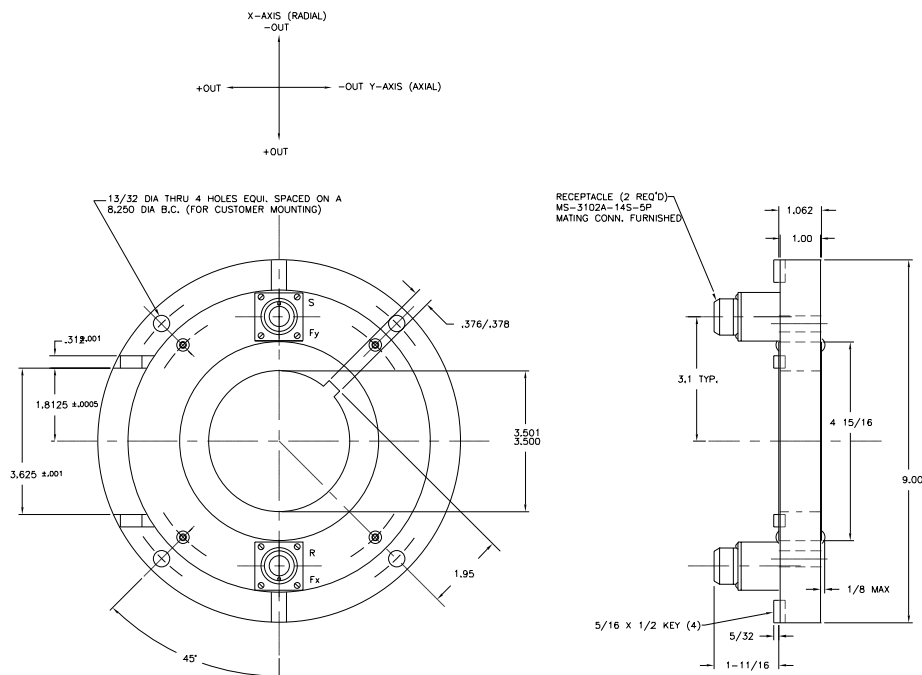
This two component force sensor senses two orthogonal forces of 500/500 lbs., respectively. Other capacities are available. The enhanced design of this sensor offers improved frequency response characteristics due to internal structural changes. This sensor has minimal cross talk and high accuracy. It measures engine mount force components, radial two-component bearing force loads, and tire radial and side loads.



SPECIFICATIONS

Capacity.....	500 lbs. each axis
Overload capacity.....	150% of F.S.
Output at full scale load.....	2.0 mV/V nominal +/- .25%
Non-linearity.....	0.10% of F.S.
Hysteresis.....	0.10% of F.S.
Zero balance.....	1% of F.S.
Compensated temperature.....	70 to 170°F
Useable temperature.....	-65 to +250°F
Temperature effect on zero.....	0.002% of F.S./°F
Temperature effect on span.....	0.002% of Rdg./°F
Bridge resistance.....	350 Ohms
Excitation voltage, maximum.....	20 Vdc
Material.....	Steel

DIMENSIONS (INCHES)



DWG



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