

Multi-Component Sensors

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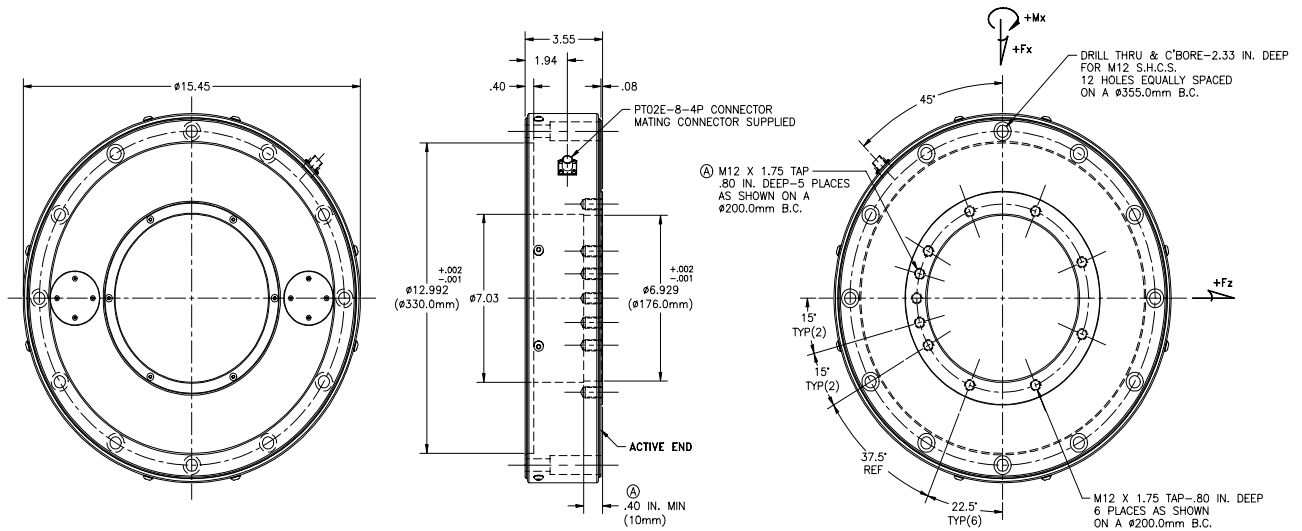
TIRE TEST SENSOR

This unique sensor was designed to measure very low rolling resistance forces on a tire test machine, while measuring high normal force and steering angle moment at the same time. It is a single piece sensing element, gaged for Fx, Fz, and Mx. The sensor can be cross talk compensated which eliminates off-axis loading effects as well as be designed for other capacities and physical sizes. Consult our application engineers with your specific requirements.



SPECIFICATIONS

Capacity.....	500lbs(Fx) / 5,500lbs(Fz) / 102,000in-lbs(Mx)
Overload capacity.....	150% F.S. both axes
Output at full scale load.....	1.0 mV/V nominal
Non-linearity.....	0.50% of F.S.
Hysteresis.....	0.50% 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.....	700/350 Ohms
Excitation voltage, maximum.....	20 Vdc
Material.....	Alloy Steel



DWG



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