

ROD END FORCE

The Rod End Force (10144) sensor is capable of measuring forces in both tension and compression.

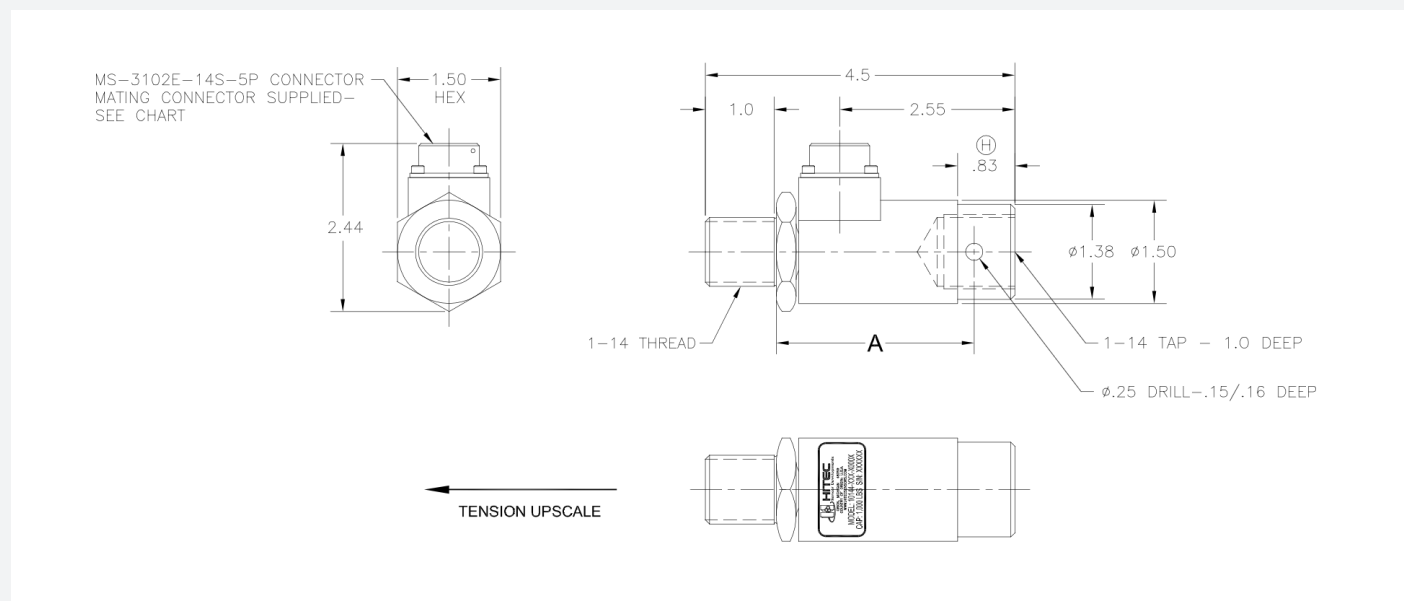
The load cell is machined from 4140 steel, and is supplied with a metal housing, providing mechanical protection for the sensing section. A side mounted industrial connector is supplied for easy cable connection. This cell is designed for direct attachment to hydraulic actuators.



FEATURES

- For in-line tension or compression loads
- Capacities from 1,000 - 20,000 lbs
- Temperature compensated
- Alloy steel construction

DIAGRAM



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ROD END FORCE

SPECIFICATION

PARAMETER	RANGE
Overload capacity (%)	150 of FS
Output at FS (mV/V)	2.0 nominal
Non-linearity (%)	0.20 of FS
Hysteresis (%)	0.20 of FS
Zero balance (%)	1.00 of FS
Compensated temperature(°F)	70 to 170
Useable temperature (°F)	-65 to +250
Temperature effect on zero (%)	0.002 of FS/°F
Temperature effect on span (%)	0.002 of Rdg./°F
Bridge resistance (Ohms)	350
Excitation voltage, maximum (Vdc)	20
Material	Alloy steel

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