

Force Sensors

10019 & 10043

HOLLOW PANCAKE FORCE SENSORS

The 10019 hollow force sensor is designed to measure compression only loads. The 10043 is designed to measure tension and compression loads. These versatile, high-precision sensors are used in both metal working and automotive applications. Because of their design, they are ideal in limited or tight space applications.



SPECIFICATIONS

Capacities..... See chart
 Overload capacity..... 150% of F.S.
 Output at full scale.....
 10019..... 1.0 mV/V
 10043..... 1.5 mV/V
 Non-linearity..... 0.25% of F.S.
 Hysteresis..... 0.25% 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

 10019..... Aluminum
 10043..... Alloy steel

MODEL	CAPACITY
	LB
10019-024	20000
10043-014	10000
10043-174	165000

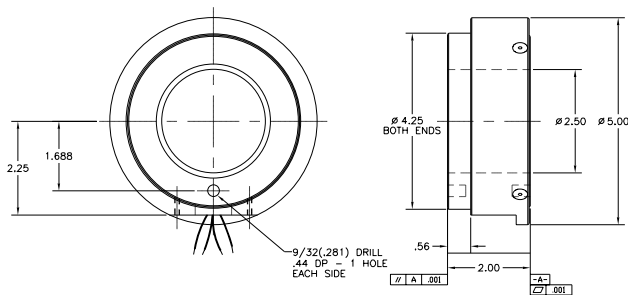
DIMENSIONS (INCHES)

Model 10043

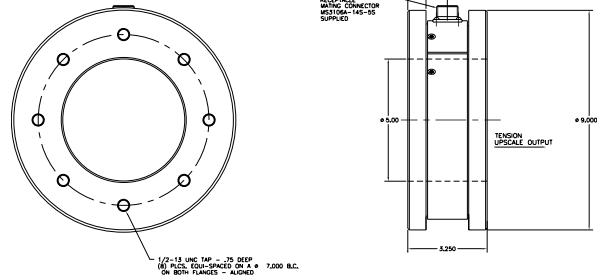
Capacity - 10,000 lbs. or 75 metric tons

Model 10019

Capacity - 20,000 lbs.



DWG



DWG



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