Typical Transducer Specifications

*Tension Range: Supplied to Customer’s requirements.
*Contact Elements: To fit application.
*Operating Temperature: 70 ± 25 F. (Special ranges available)
*Connecting Terminals: 5 pin Amphenol plug or terminated ends.
*Excitation Voltage: 4-10 VDC.
*Bridge Resistance: 350 ohms nominal.
*Output Signal: 1.0 - 2.0 mv/V nominal.
*Resistance to Ground: Exceeding 500 Megohms.
*Zero Balance: Less than 1.5% FS
*Drift at Midpoint: 0.2%
*Noise Level: Less than 0.2%
*Linearity: 0.5%
*Combined Linearity & Hysteresis: ±.75%
*Total Error: 1% FS
*Overload Tension: 50% Overated
*Shielded Cable: 10’ standard length.

Application Note:
Roller configuration adjustable to meet specific applications. For optimum accuracy evenly guide material over pulley with a minimum wrap angle of 12°. For best accuracy keep wrap angle as consistent as possible.

Material
ALUMINUM

Finish
CLEAR ANODIZE

Heat Treat

DIMENSIONAL TOLERANCES UNLESS OTHERWISE SPECIFIED

Title
TYPICAL PILLOW BLOCK LOAD CELL

Scale 1:1.5

No. Req’d

Drawn
SHS

Date
6-22-07

Checked

Approved

Next Assy

733 South Bowen Street
Longmont, CO 80501

Size

Drawing Number

E-202 ASSY

73.66 mm

114.30 mm

38.10 mm

152.40 mm

73.66 mm

13.11 mm

11.516

2x 1/2-20 UNF

1.500

2x 1/2-20 UNF

4.500

6.000

2x Ø .516