MSI-Load Pin Sensors

Custom Outputs Available

Standard Features

- A key component of MSI's integrated overhead weighing solutions is the Load Pin Sensor. Typically designed and manufactured specifically to each integrated solution, the MSI load pin is strictly industrial grade. Each load pin design is precision machined from 17-4 stainless steel for safety, strength and corrosion resistance.
- Internally gauged load pin
- Idler sheave or dead end pin preferred location
- Minimum 5:1 safety factor
- 17-4 stainless steel construction
- ±1% to 3% accuracy of hoist capacity
- -40°F to 140°F standard operating temperature (other temperature compensated ranges available)

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Each strain gauge location is precisely calculated and correctly placed in the optimum concentrated stress area of each installation. This MSI applied engineering process ensures the most efficient and accurate performance for each specific installation.

MSI load pin designs apply only internally mounted strain gauges for complete protection from the outside environment.

To receive a quotation for a load pin sensor to meet your application requirements, complete the load pin questionnaire also located at www.ricelake.com or contact an MSI overhead weighing specialist for further application assistance.

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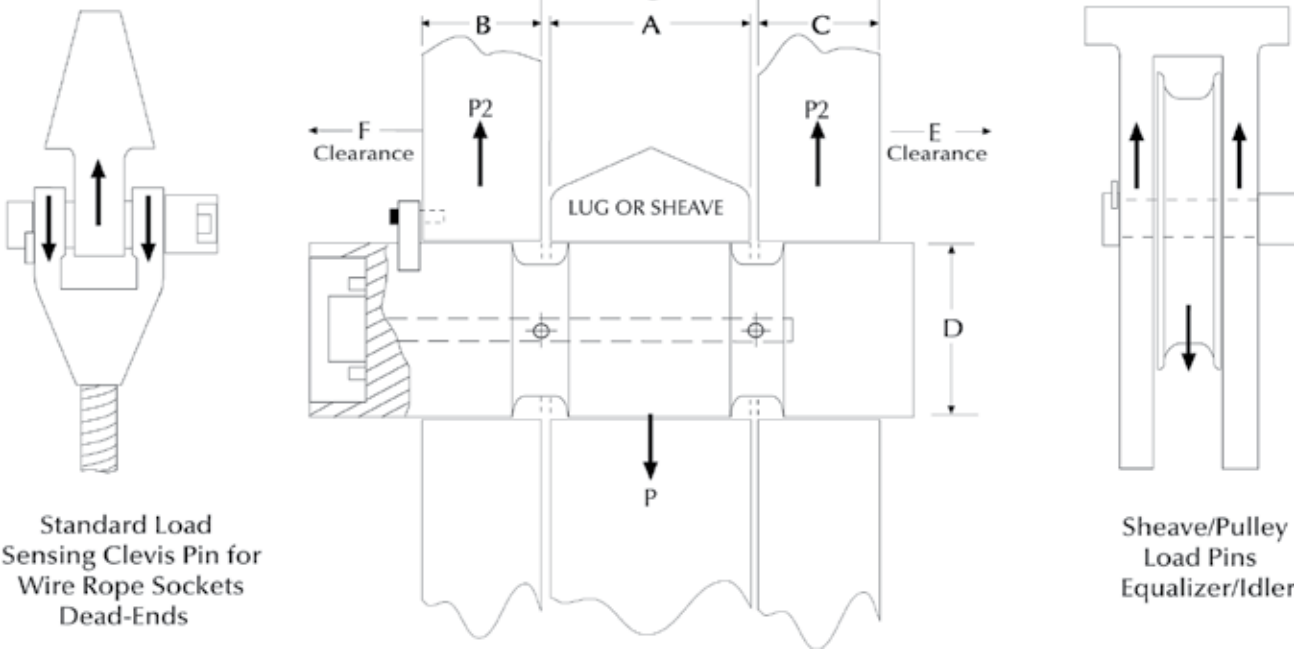
MSI-Load Pin Questionnaire



Load Pin Data

A=Width _____ Inch
B=Width _____ Inch
C=Width _____ Inch
D=Pin Diameter _____ Inch
E=Clearance _____ Inch
F=Clearance _____ Inch
G=Width _____ Inch
Lube Port ❑No ❑Yes _____ # of exits
Hoist Capacity _____ Tons
Parts of Wire Rope _____
Sensor Capacity _____ Tons
Factor of Safety ❑3:1 ❑5:1 ❑7:1 ❑10:1
Application _____
Accuracy Requirement _____
Temperature Requirement _____
Required Output _____
Material Testing Requirement _____
Load Vector Orientation/Alignment ❑← ❑→ ❑↓ ❑↑
Name _____
Company _____
Phone _____

Note: Minimum clearance between "A" and "G" = 0.0625 inch.

Cable Connections

End-Mounted Cable

End-Mounted Connector (standard)

Side-Mounted Cable

Side-Mounted Connector

Recessed Connector

Sensor's Cable Length _____ Feet

Comments _____

_____

RICE LAKE WEIGHING SYSTEMS

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