

Standard Features

- 0.9-2.9 in diameter x <12 in loaded length
- 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 operating temperature



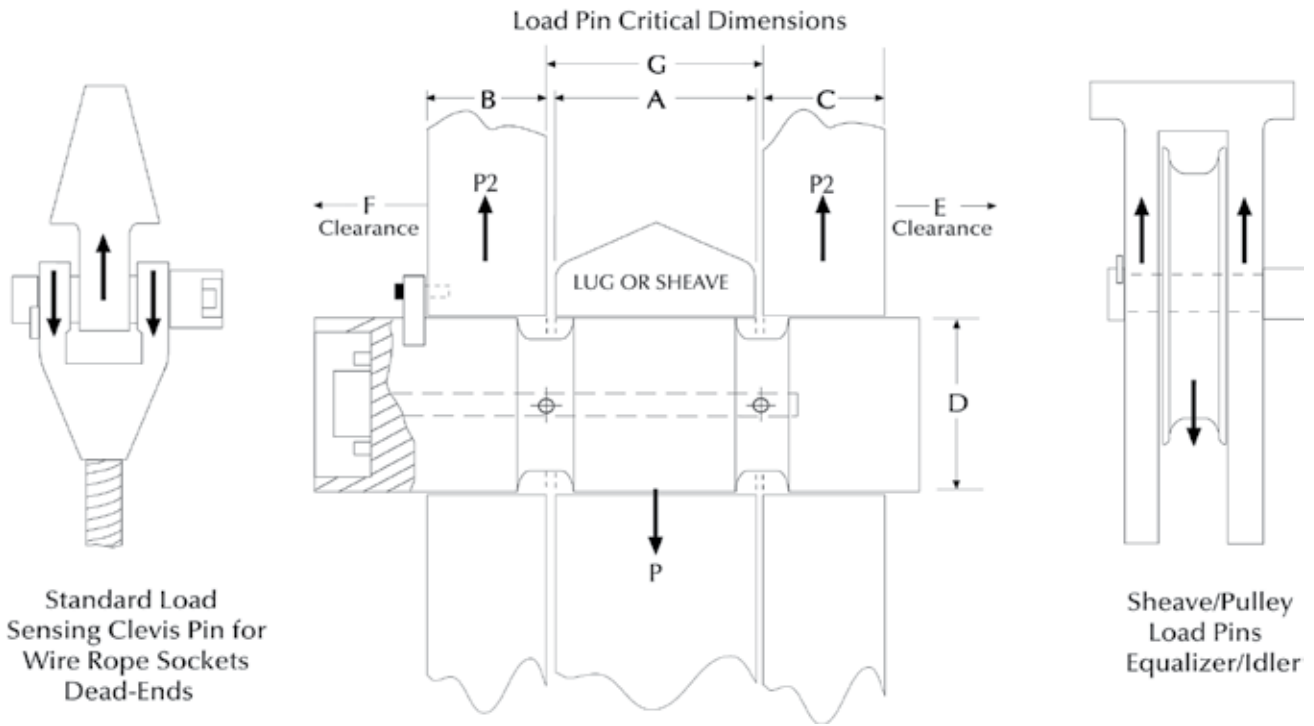
A key component for MSI's integrated overhead weighing solutions is the Load Pin Sensor. Typically designed and manufactured specifically to each integrated solution, the MSI load pin is strictly industrial grade. Each load pin design is precision machined from 17-4 stainless steel for safety, strength and corrosion resistance.

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 ensure the highest level of accuracy, performance and quality, each load pin is internally balanced and temperature compensated.

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.

MSI-Load Pin Questionnaire



Standard Load Sensing Clevis Pin for Wire Rope Sockets Dead-Ends

Sheave/Pulley Load Pins Equalizer/Idler

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 <input type="checkbox"/> No <input type="checkbox"/> Yes _____	# of exits
Crane Capacity _____	Tons
Sensor Capacity _____	Tons
Factor of Safety <input type="checkbox"/> 3:1 <input type="checkbox"/> 5:1 <input type="checkbox"/> 7:1 <input type="checkbox"/> 10:1	
Load Vector Orientation/Alignment <input type="checkbox"/> ← <input type="checkbox"/> → <input type="checkbox"/> ↙ <input type="checkbox"/> ↘	
Parts of Wire Rope _____	
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 _____	