

Load Pin Series

Internally gauged pins



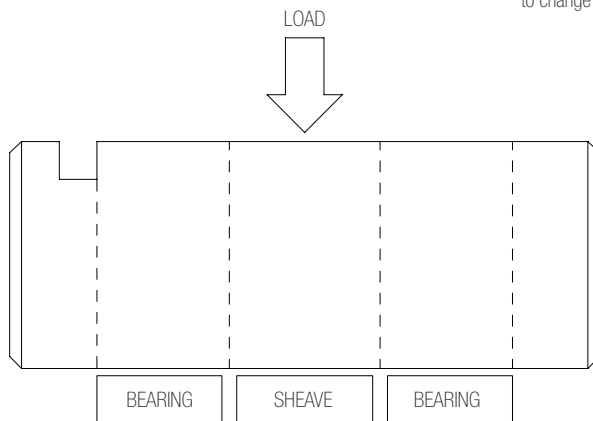
Product Description

Load measuring pins are designed for many diverse applications as direct replacements for clevis or pivot pins. They have many advantages over other load sensors in that they do not normally require any change to the mechanical structure being monitored. Load pins are typically used in rope, chain and brake anchors, sheaves, shackles, bearing blocks and pivots.

Specifications

Capacities	0.1 to 1000+	tonne
Proof Load	150	% of rated load
Ultimate breaking load	500	% of rated load
Bridge Resistance	350/700/1000	ohms
Excitation	5 to 10	Volts (dc)
Output	1.0 to 1.5	mV/V
Non-Linearity	±1%	typical
Non-Repeatability	±0.04%	optimum
Environmental	IP67	
Operating Temp. Range	-20 to +70	°C
Temp. Coefficient on Zero	<0.02	% Capacity/°C
Temp Coefficient on Span	<0.02	% Capacity/°C
Signal cable	5m polyurethane 4 core	

Specifications subject to change without notice



- Range 5te to 250te
- Sealed to IP68
- Low deflection
- Ideal for direct swap installation
- Robust construction
- ATEX certification

Options

Special anti-rotation / locking plates
Internal greaseways Plug / Socket
breakdown at pin. Second redundancy
gauge bridge. Internal signal amplifier
Witness by Lloyds Reg. Of Shipping,
ABS etc. Single shear pins
Fully Welded. Submersible.
ATEX approval

