

Load Pin Series

Internally gauged pins

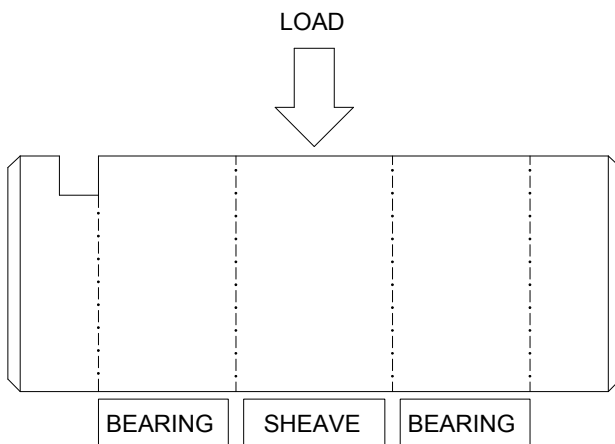
- Range 0.1 to 1000 tonne
- Internally strain gauged
- Sealed to IP68
- ATEX certification available
- A variety of cable and connector options
- Stainless steel construction

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

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.



- Options :
- Special anti-rotation / locking plates
 - Internal greaseways
 - Plug / Socket breakdown at pin
 - Second redundancy gauge bridge
 - Internal signal amplifier - 2 or 3 wire
 - Witness by Lloyds Reg. Of Shipping, ABS etc.
 - Single shear pins
 - Fully Welded
 - Submersible
 - ATEX approval
 - Internal ATEX Amp - 4-20mA current loop
 - Colour code - Supply:Red - Signal:Green

Elite Transducers Ltd

5&6 Zephyr House, Calleva Park, Aldermaston, Reading, RG7 8JN
 Tel: (+44) 0118 9811750 Fax: (+44) 0118 9811751
 E-mail: info@elitetransducers.co.uk

DELTA
 ATEX / IECEx Approved to
 Ex ia IIC T6
 Ex tD A20 IP68 T85C

