

Load Pins

Shear Pin Series

0.5Te – 300Te +

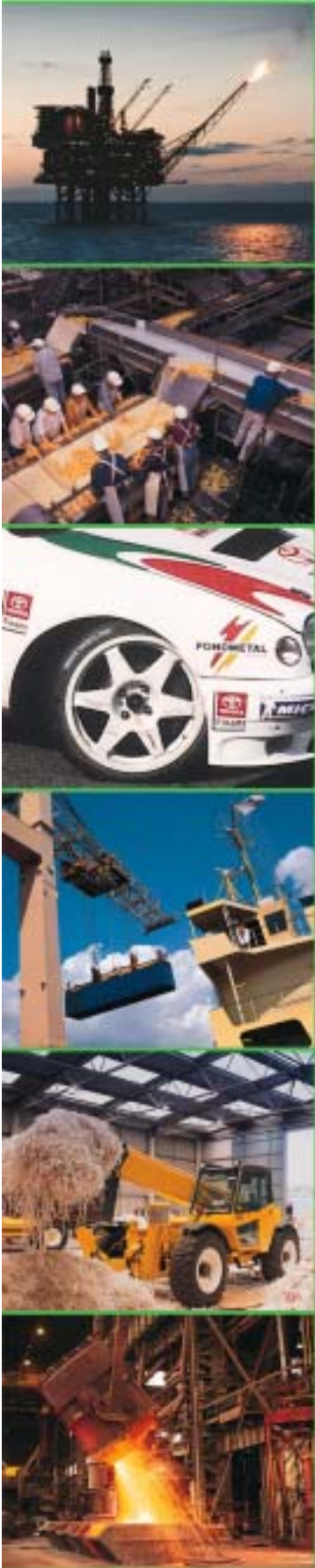


FEATURES

- Stainless steel construction.
- Rugged load cell design.
- Sealed to IP67.
- Simple to install.
- Both internal and external designs available.
- Manufacture to order. One off's and quantity. (Complete attached questionnaire).
- Supplied with the LCA15 amplifier will provide both a weighing and / or overload protection system.

APPLICATIONS

- Lifting protection.
- Gantry / over head cranes.
- Test Rigs
- Pull Tests.
- Shackle Units.





Procter & Chester Measurements

PARAMETER		UNITS
Rated Capacities	0.5, 2, 5, 10, 20, 30, 50, 100. + higher capacities on request.	TE
Rated Output	0.5-1.5 nominal	MV/V
Linearity & Repeatability	0.25-2*	±% of Rated Output
Zero Return after 30 minutes	0.2	±% of Applied Load
Zero Balance	1.5	±% of Rated Output
Temperature Range: Operating	-10 to +80	°C
Temperature Range: Compensated	-10 to +60	
Temperature Effect: On Output	0.1	±% of Applied Load/°C
Temperature Effect: On zero	0.02	±% of Rated Load/°C
Safe Overload	200	% of Rated Capacity
Ultimate Overload	500	% of Rated Capacity
Excitation: Recommended	10	Volts AC or DC
Excitation: Maximum	15	
Input Impedance	350 nominal	ohm
Output Impedance	350 nominal	ohm
Insulation Impedance	>2000	megaohm
Deflection at Rated Capacity	NA	mm
Weight (approximate) :	NA	kg
Construction	Stainless steel	
Environmental Protection	IP67	
Cable	5m 4 core screened	
Connections – Produces a positive signal in compression.	Excitation + Red Excitation – Blue Signal + Green Signal - Yellow	The Screen is not connected to the load cell body.
Document Revision Date	0505	

J KEEP PLATE SLOT SPECIFY WHICH END OR CAN BE WELDED TO PIN SEE ALSO OPTION K

ANGLE OF CABLE EXIT OR CAN BE AXIAL

PIN AND WASHER KEEP PLATE OR NYLON RETAINER STATE WHICH OPTION K

DIMENSIONS AND REQUIREMENTS FOR LOAD PIN

LOADING DIRECTION	MARK ON DRAWING
LOAD	TONNE
CABLE LENGTH OR PLUG/SKT	
OPERATIONAL TEMP RANGE	
STAINLESS OR TOOL STEEL	

A	G
B	H
C	I
D	J
E	K
F	

IF IN DOUBT, ASK!

Name: _____ Title: _____ Signature: _____		CUSTOMER: _____ PROJECT: _____ DATE: _____	
PCM KENILWORTH		CUSTOM PIN DIMENSIONS	

PCM produce custom design load cells, therefore we are able to modify the dimension and materials and build to order. PCM's policy is one of continuous improvement. We therefore reserve the right to incorporate technical modifications without prior notification. PCM are an approved ISO9001 manufacturer, Certificate No: 5527.