

Standard Pancake Load Cell

Tension and Compression Load Cell

1.5kN – 450kN

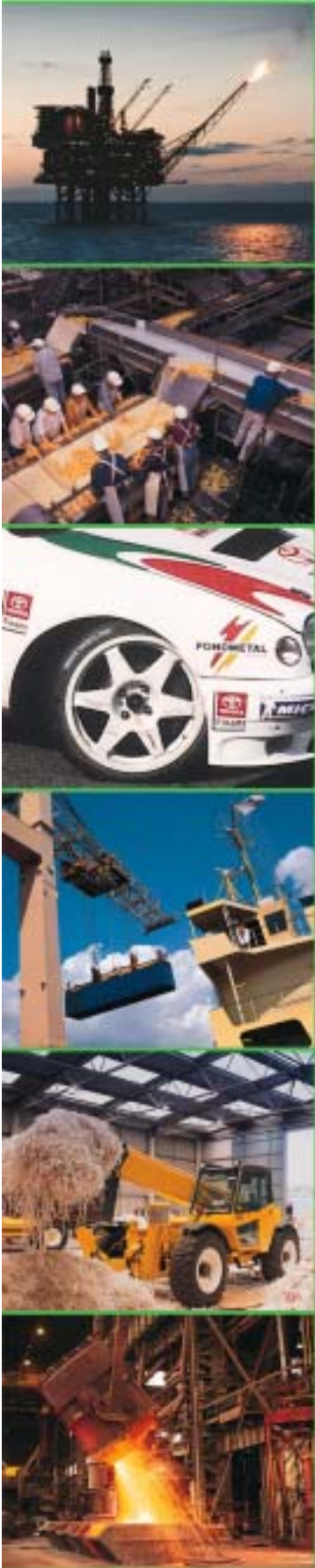


FEATURES

- Universal loading (with base – option)
- Used for mass and force
- Based on the shear web design to minimise mis-aligned loads.
- Full range of mounting accessories.
- Custom build available.

APPLICATIONS

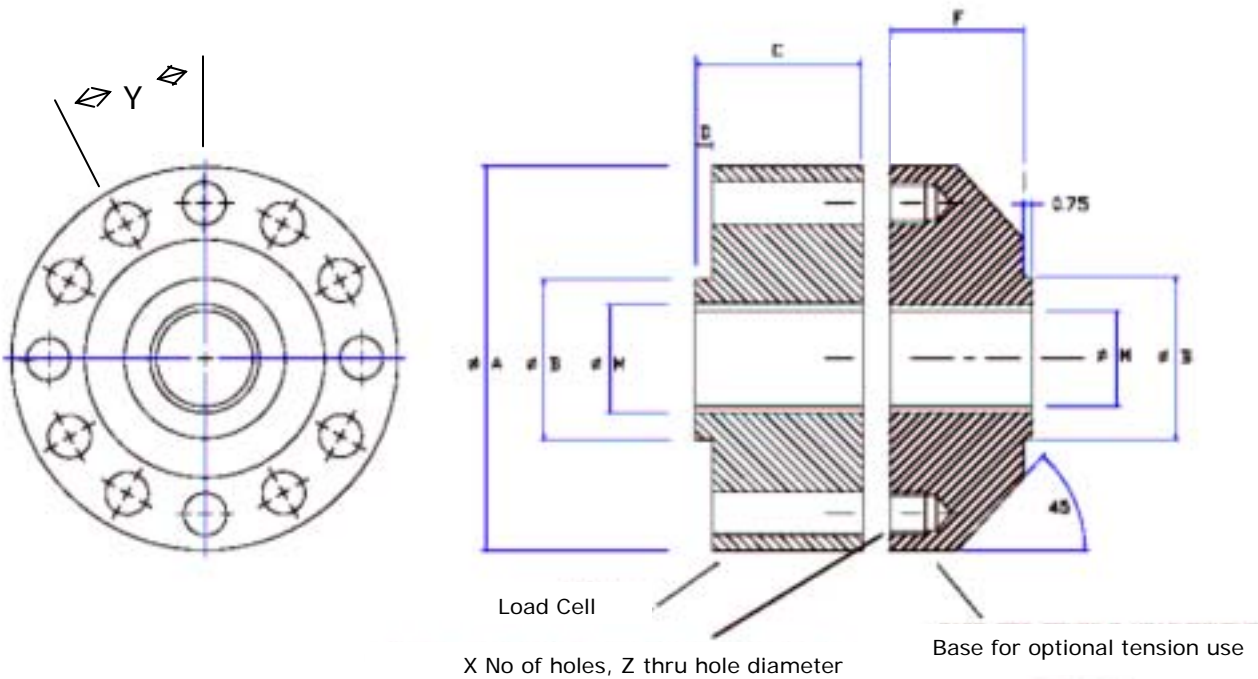
- Test machines.
- Mis-aligned loading applications.
- Environments with height constraints.
- The design lends it to be used in many applications.





Procter & Chester Measurements

PARAMETER		UNITS
Rated Capacities	1.5 – 450	KN
Rated Output	1.5-10kN : 2.0 nom 25-450kN: 4.0 nom	MV/V
Linearity & repeatability	0.07	±% of Rated Output
Zero Return after 30 minutes	0.03	±% of Applied Load
Zero Balance	1	±% of Rated Output
Temperature Range: Operating	-55 to 90	°C
Temperature Range: Compensated	-10 to +45	
Temperature Effect: On Output	0.0015	±% of Applied Load/°C
Temperature Effect: On zero	0.0015	±% of Rated Load/°C
Safe Overload	150	% of Rated Capacity
Ultimate Overload	300	% of Rated Capacity
Excitation: Recommended	10	Volts AC or DC
Excitation: Maximum	20	
Input Impedance	350 nom	ohm
Output Impedance	350 nom	ohm
Insulation Impedance	>2000	Mega ohm
Deflection at Rated Capacity	NA	mm
Weight (approximate) :	NA	kg
Construction	Painted tool steel	
Environmental Protection	IP65	
Cable	Connector + 3m screened cable	P+ Red, P- Blue, S+ Yellow, S- Green. Screen not connected.
	0505	



CAP. (kN)	A	B	C	D	F	M	X	Y	Z
10	104.8	34.0	34.9	3.2	27.8	M16 x 2	8	22.5°	7.1
25, 50	104.8	34.0	34.9	3.2	27.8	M16 x 2	8	22.5°	7.1
100 – 250	153.9	67.3	44.5	3.1	44	M33 x 2	12	15.0°	10.4
450	203.2	95.2	63.5	6.3	50	M42 x 2	16	11.25°	13.5

All dimensions in mm.

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.