

## CN—Compression Load Cell



### FEATURES

- Capacities 50—1000Te
- Sealed to IP65.
- Accuracy 0.25% RO
- Custom build dimensions available.

### APPLICATIONS

- Heavy Duty Weighing
- Rolling Mills.
- Industrial Platforms.
- Test Rigs.

### DESCRIPTION

The C-CN is a heavy duty column design load cell produced from plated alloy steel. The design includes an integrated self aligning load button. If the capacities or dimensions do not suit your requirements, PCM's in-house design and build service may be able to satisfy your requirements.

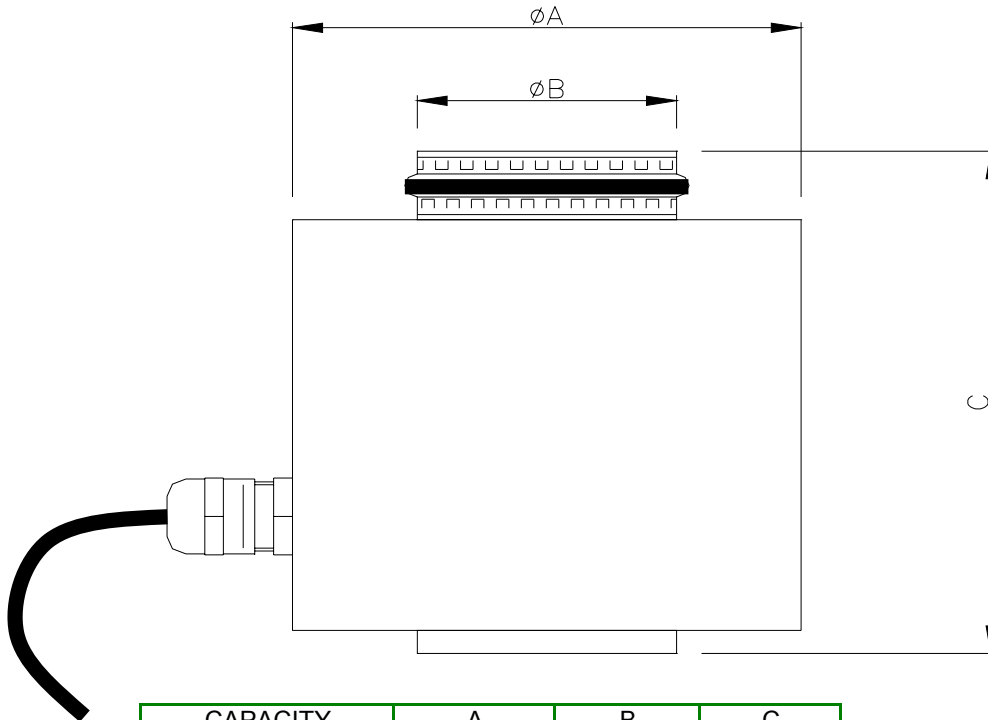
The units are supplied with calibration certificates using a BS EN ISO7500-1 test machine traceable to national standards.

### TYPICAL SPECIFICATION

PARAMETER	VALUE	UNITS
Capacities Range	0.. 50, 100, 200, 400, 600, 800 & 1000	Te
Rated Output	2.0 nominal	mV/V
Linearity & non repeatability	0.25	±% of Rated Output
Zero Return after 30 minutes	0.05	±% of Applied Load
Zero Balance	1.0	±% of Rated Output
Temperature Range: Operating	-30 to +80	°C
Temperature Range: Compensated	-10 to +70	
Temperature Effect: On Output	0.1	±% of Applied Load/°C
Temperature Effect: On zero	0.02	±% of Rated Output/°C
Safe Overload	150	% of Rated Capacity
Ultimate Overload	300	% of Rated Capacity
Excitation: Recommended	10	Volts AC or DC
Excitation: Maximum	15	
Input Impedance	760 nominal	ohm
Output Impedance	700 nominal	ohm
Insulation Resistance	>2	GΩ at 50VDC
Deflection at Rated Capacity	NA	mm
Weight (approximate) :	NA	kg
Construction	Plated alloy steel	
Environmental Protection	IP65	
Cable	5m 4 core screened	

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## OUTLINE DIMENSIONS in millimeters

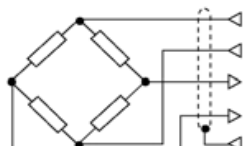


CAPACITY	A	B	C
0–100Te	102	52	110
0–200Te	120	85	153
0–400Te	152	120	214
0–600Te	184	147	250
0–800Te	216	179	293
0–1000Te	254	210	450

Note: Carrying handles and gaiter between the load cell and load button are optional.

NOTE: If the dimensions or specification do not suit, PCM have an in-house design and build service that should satisfy your requirements.

## WIRING DETAIL

Dynamometer	OUTPUT	CABLE
	EXCITATION+ EXCITATION - OUTPUT+ OUTPUT- -----	<i>Red</i> <i>Blue</i> <i>Green</i> <i>Yellow</i> <i>Shield*</i>

## LOADING MODE

