

## Features

- Capacities 75 – 500tf.
- Linearity  $\pm 0.5\%$  RO.
- IP65 rating.
- Custom build dimensions available.

## Applications

- Heavy duty weighing.
- Rolling mills.
- Industrial platforms.
- Test rigs.



## Description

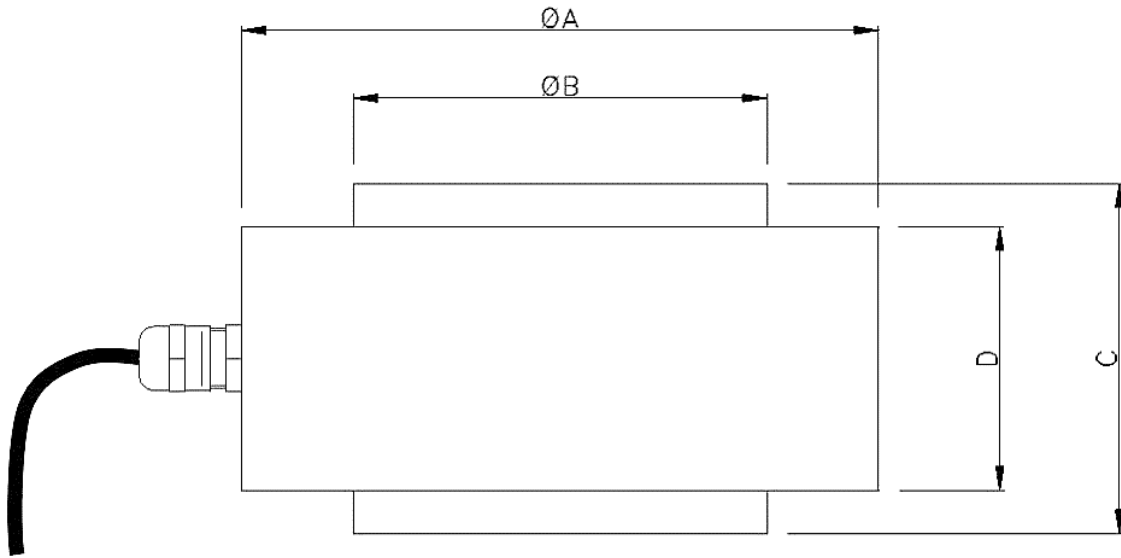
The C-CNC is a heavy duty, low profile column design load cell with a stainless-steel element and plated steel case. These load cells are supplied with a load test certificate using a BS EN ISO7500-1 test machine traceable to National Standards (capacities up to 900tf).

If the dimensions or specification of the C-CNC load cell do not suit your application, our in-house design team should be able to satisfy your requirements.

## Typical Specification

PARAMETER	VALUE						UNITS
Capacities Range	75	100	200	300*	400*	500*	tf
Rated Output	2 $\pm$ 10%						mV/V
Linearity & Non-Repeatability	0.5 (*1-1.5)						$\pm$ % of Rated Output
Zero Balance	2.0						$\pm$ % of Rated Output
Temperature Effect ON ZERO	0.02						$\pm$ % of Rated Output/ $^{\circ}$ C
Temperature Effect ON OUTPUT	0.1						$\pm$ % of Applied Load/ $^{\circ}$ C
Temperature Range COMPENSATED	-10 to +70						$^{\circ}$ C
Temperature Range OPERATING	-30 to +80						$^{\circ}$ C
Input Resistance	760 $\pm$ 20						$\Omega$
Output Resistance	700 $\pm$ 10						$\Omega$
Insulation Resistance	>2						G $\Omega$
Excitation RECOMMENDED SUPPLY	5-10						Volts AC or DC
Excitation MAXIMUM SUPPLY	15						Volts AC or DC
Mechanical Limit SAFE OVERLOAD	150						% of Rated Output
Mechanical Limit ULTIMATE OVERLOAD	300						% of Rated Output
Weight	~6	~7	~8	~10	~12	~14	KG
Cable Length	5						m
Cable Type	4-wire, screened.						-
Construction Material ELEMENT	Stainless Steel						-
Construction Material CASE	Plated Steel						-
Environmental Protection	IP65						-

**Outline Dimensions in millimetres**



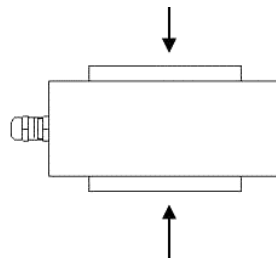
CAPACITY (TF)	ØA	ØB	C	D
75	153	102	89	67
100				
200				
300	153	127	89	67
400				
500	182	150	100	92

*If the dimensions or specification do not suit, PCM has an in-house design team that should be able to satisfy your requirements.*

**Wiring Details**

SCHEMATIC DIAGRAM	OUTPUT	CABLE
	EXCITATION +	RED
	OUTPUT +	GREEN
	EXCITATION -	BLUE
	OUTPUT -	YELLOW
	SHIELD	-----

**Loading Mode**



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