

## Features

- Capacities 4tf – 80tf.
- Linearity  $\pm 1\%$  RO.
- IP67 rating.
- Optional hardened or spherical washers.

## Applications

- Heavy duty weighing.
- Monitoring bolt torque forces.
- Rolling mills.
- Virtually all industries.



## Description

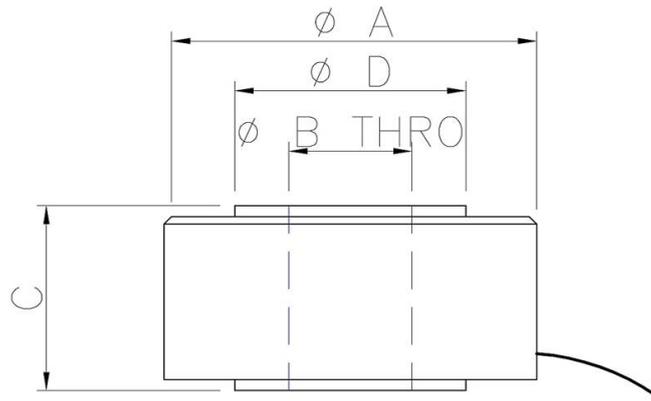
The C-FW is a compact bobbin style design load cell produced from stainless steel. The C-FW is a standard annular design load cell.

Optional hardened washers for bolt torque monitoring projects or spherical washers to aid applications with slightly mis-aligned forces are available on request.

## Typical Specification

PARAMETER	VALUE	UNITS
Capacities Range	4, 6, 8, 10, 25, 35, 55, 80	tf
Rated Output	1-2	mV/V
Linearity and Non-Repeatability	1	$\pm\%$ of Rated Output
Zero Balance	5.0	$\pm\%$ of Rated Output
Input Impedance	700 $\pm$ 10	$\Omega$
Output Impedance	700 $\pm$ 10	$\Omega$
Insulation Resistance	>2	G $\Omega$
Excitation <small>RECOMMENDED SUPPLY</small>	10	Volts AC or DC
Excitation <small>MAXIMUM SUPPLY</small>	15	Volts AC or DC
Temperature Range <small>OPERATING</small>	-10 to +80	$^{\circ}$ C
Mechanical Limit <small>SAFE OVERLOAD</small>	150	% of Rated Output
Mechanical Limit <small>ULTIMATE OVERLOAD</small>	300	% of Rated Output
Cable Length	5	m
Sensor Construction Material	Stainless Steel	-
Environmental Protection	IP67	-

**Outline Dimensions** in millimetres



CAPACITY (tf)	BOLT SIZE	ØA	ØB	C	ØD
4	M8	36	9	23	17
6	M10	36	11	23	20
8	M12	50	14	23	25
10	M14	50	16	23	28
25	M20	65	22	33	44
35	M24	65	26	33	52
55	M30	80	33	75	64
80	M36	95	39	75	76

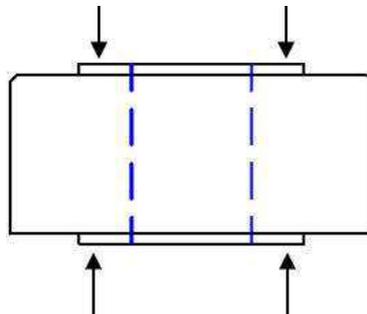
*If the dimensions or specification do not suit, PCM has an in-house design team that should be able to satisfy your requirements.*

**Wiring Details**

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

*7/0.1 4-core screened cable, PVC sheath. Shield connected to the body of the load cell.*

**Loading Mode**



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