



Description

70420 is Double Ended Shear Beam type Load Cell ideally suited for Truck, Track, On board weighing applications. Its construction of high alloy tool steel provides optimum protection under impact loading & adverse conditions. The cell is environmentally protected with waterproof seal and is Electro less nickel plated to assure resistance against corrosion.

Applications

- Truck Scale
- Track Scale

Key Features

High accuracy available As per standard ISO 376:2011

Complete Environmental Protection – Meets IP 67 class

Electro Less Nickel Plated Tool Steel constructions

A high-temperature version can be provided on request

Wide range of capacities from 10 TF to 30 TF

Standardized output (2.0 mV/V) and customized output can be provided on request

Calibration in mV/V/ Ω

Can be **customized** to suit customer's need

Technical Specifications

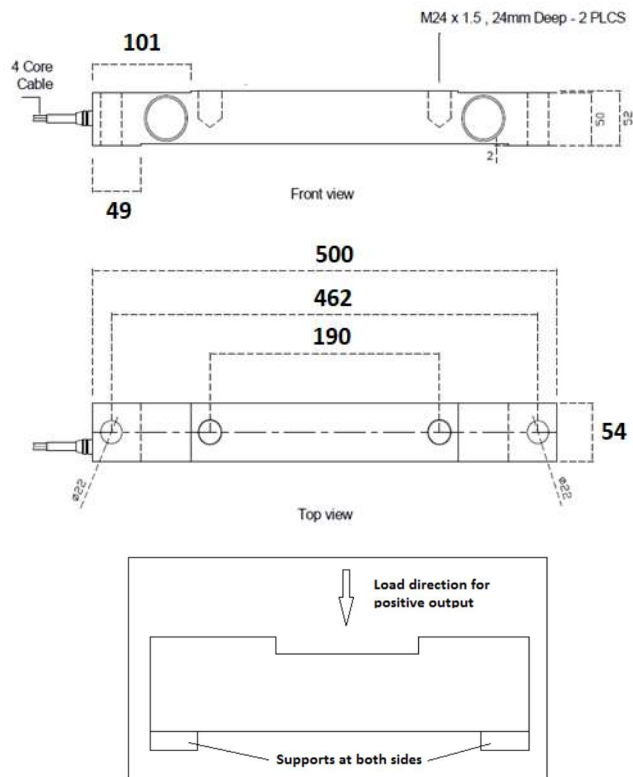
STANDARD CAPACITY		10, 15, 20, 22.5, 25, 30 - TF
PERFORMANCE	Non - Linearity	< ± 0.1 % FSO
	Hysteresis	< ± 0.15 % FSO
	Non-Repeatability	< ± 0.1 % FSO
	Creep (30 minutes)	< ± 0.02 % FSO
	Zero Balance	± 1 % FSO
ELECTRICAL	Output	2.00 mV/V
	Excitation Voltage	Maximum 15 VDC (Suggested 5VDC / 10VDC)
	Input Resistance	$770 \pm 15.0 \Omega$ (Ohms)
	Output Resistance	$700 \pm 5.0 \Omega$ (Ohms)
	Insulation Resistance	(100 VDC) > 1000 Mega Ω (Ohms)
STRUCTURE	Safe Overload Of Rated Capacity	150%
	Ultimate Overload of Rated Capacity	250%
	Allowable Side Load	50%
	Deflection	< 0.4 mm at FSO
	Finish Product	Electro Less Nickel Plated Tool Steel
	As per IS/IEC 60529:2001	IP67
TEMP.	Operating Temperature	0°C to 60°C (Optional 90°C, 120°C, 150°C)
	Compensated Temperature	10°C to 50°C (Optional 90°C, 120°C, 150°C)
	Temperature Effect on Output	< 0.005 % FSO/ °C
	Temperature Effect on Zero	< 0.005 % FSO/ °C
OPTIONAL	ATEX	II 3D EX tc IIIC T60°C DC , II 3G EX ec IIC GC
	High Temperature Cable	Teflon Cable
	High Temperature Range	40°C to 90°C (Temperature Effect on Output & Zero : < 0.020% FSO/ °C)
	Accessories	DLC-6 DLC-6M DIGITAL LOAD CONTROLLER (MULTI. O/P)

70420

DOUBLE ENDED SHEAR BEAM LOAD CELL

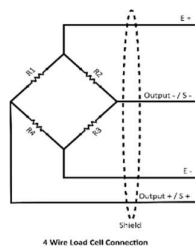


Dimension (mm)



CAPACITY (TF.)	CABLE
10, 15, 20, 22.5, 25, 30	10 Meter
All dimensions are in mm.	
Specification are subject to change	

Electrical Termination



Excitation(+)	Red
Excitation(-)	Black
Signal(+)	Green
Signal(-)	White
Shield	