



### Short description

- Nickel plated alloy steel IP68 dual shear beam load cell
- High accuracy
- Suitable for truck, track, hopper and other electronic weighing devices
- Current calibrated (sc-option)

### Available models

Capacity	Accuracy	Full article description
10t	C3	ID1-C3-10t
20t	C3	ID1-C3-20t
25t	C3	ID1-C3-25t
30t	C3	ID1-C3-30t
40t SE	C3	ID1-C3-40tSE
40t	C3	ID1-C3-40t
50t	C3	ID1-C3-50t

Specifications and dimensions are subject to change without notice and do not constitute any liability whatsoever.

#### DIGI WEIGH PRIVATE LIMITED

67 F Sector B Sirgiti Industrial  
Estate Bilaspur CG - 495001

## Detailed specifications ID1

Output sensitivity ( = FS )	mV/V	2.0 ± 0.002	
Maximum capacity ( E <sub>max</sub> )	t	10, 20, 25	30, 40SE, 40, 50
Max.number of load cell intervals	n <sub>LC</sub>	3000	
Ratio of min. LC verification interval	$Y = E_{max} / v_{min}$	15000	7500
Combined Error	%FS	≤ ± 0.0230	
Minimum dead load	Of E <sub>max</sub>	0%	
Safe overload	of E <sub>max</sub>	150 %	
Ultimate overload	of E <sub>max</sub>	300 %	
Zero balance	of FS	< ± 1.5 %	
Excitation, recommended voltage	V	5 ~ 12	
Excitation maximum	V	18	
Input resistance	Ω	700 ± 7	
Output resistance	Ω	700 ± 7	
Insulation resistance	MΩ	≥ 5000 ( at 50VDC )	
Compensated temperature	°C	-10 ~ +40	
Operating temperature	°C	-35 ~ +65	
Storage temperature	°C	-40 ~ +90	
Element material		Nickel plated alloy steel	
Ingress Protection (acc. to EN 60529)		IP67, IP68	

## Wiring

### Wiring:

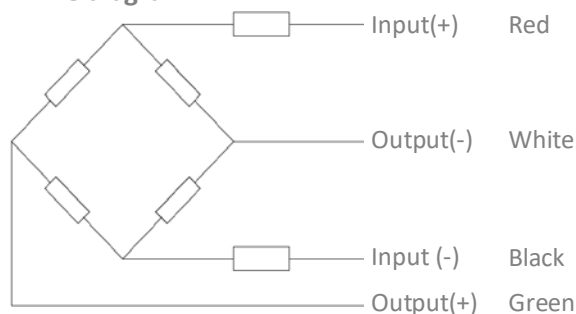
Shielded, 4 conductor cable.

Cable diameter: Ø5.5mm.

Standard cable length: 20m, also available in 12m.

Shield not connected to element.

### 4-wire diagram



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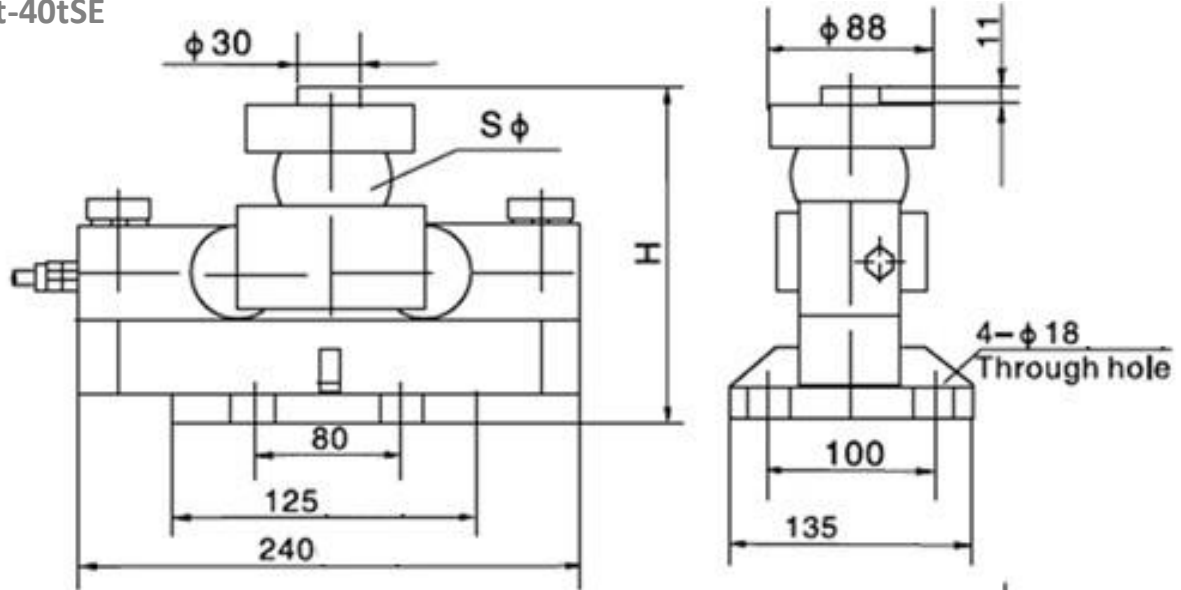
P: +07752351283

info@digiweigh.in

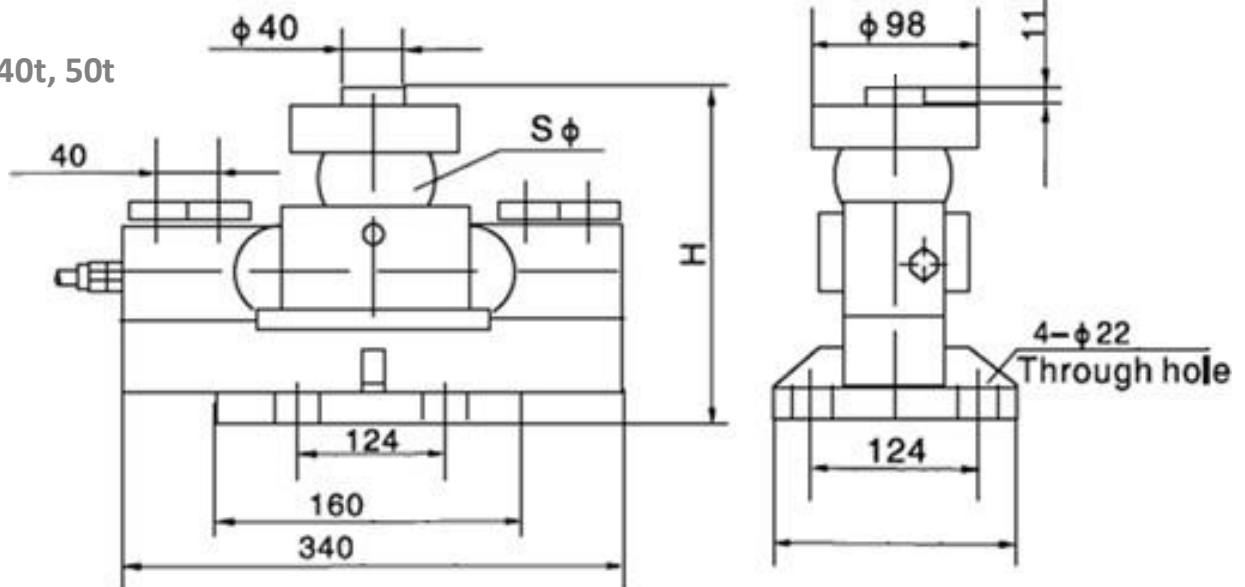
[www.digiweigh.in](http://www.digiweigh.in)

## Dimensions in mm

### 10t-40tSE



### 40t, 50t



Dimension Capacity	H	ØS
10t	195	50
20t-40tSE	225	76
40t, 50t	267	82

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