Type ID1 Load Cell



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.

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Type ID1 Load Cell

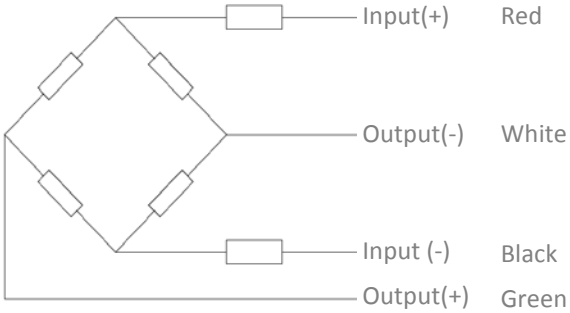
Detailed specifications ID1

Output sensitivity (= FS)	mV/V	2.0 ± 0.002	
Maximum capacity (E_{max})	t	10, 20, 25	30, 40SE, 40, 50
Max.number of load cell intervals	n_{LC}	3000	
Ratio of min. LC verification interval	$Y = E_{max} / v_{min}$	15000	7500
Combined Error	%FS	≤± 0.0230	
Minimum dead load	Of E_{max}	0%	
Safe overload	of E_{max}	150 %	
Ultimate overload	of E_{max}	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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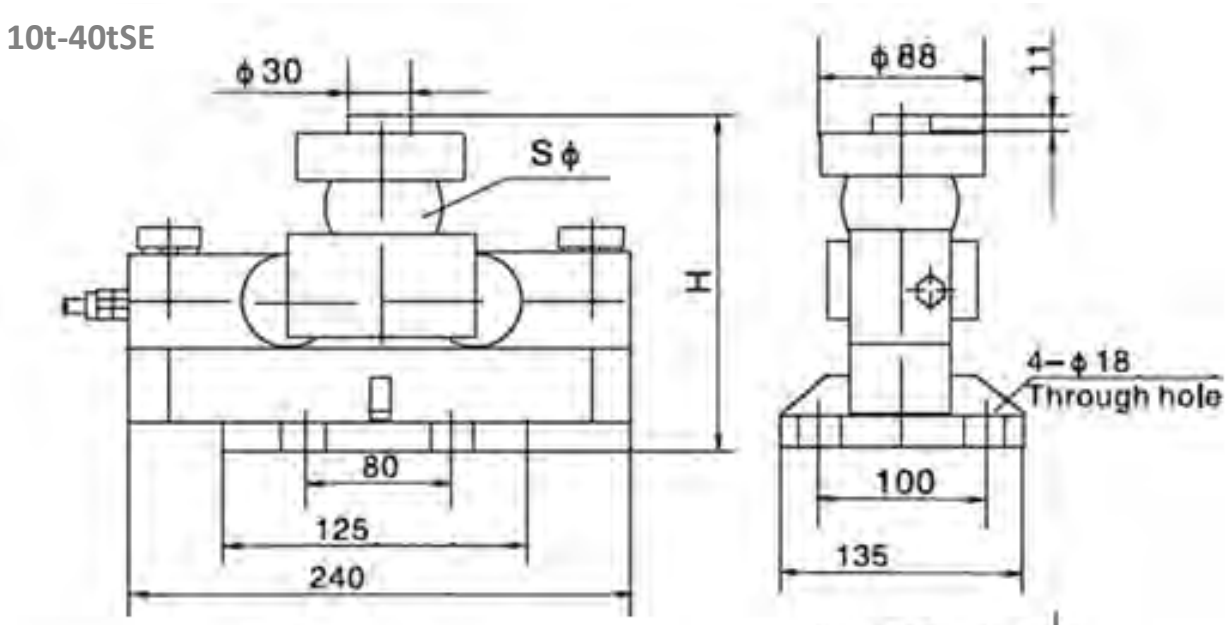
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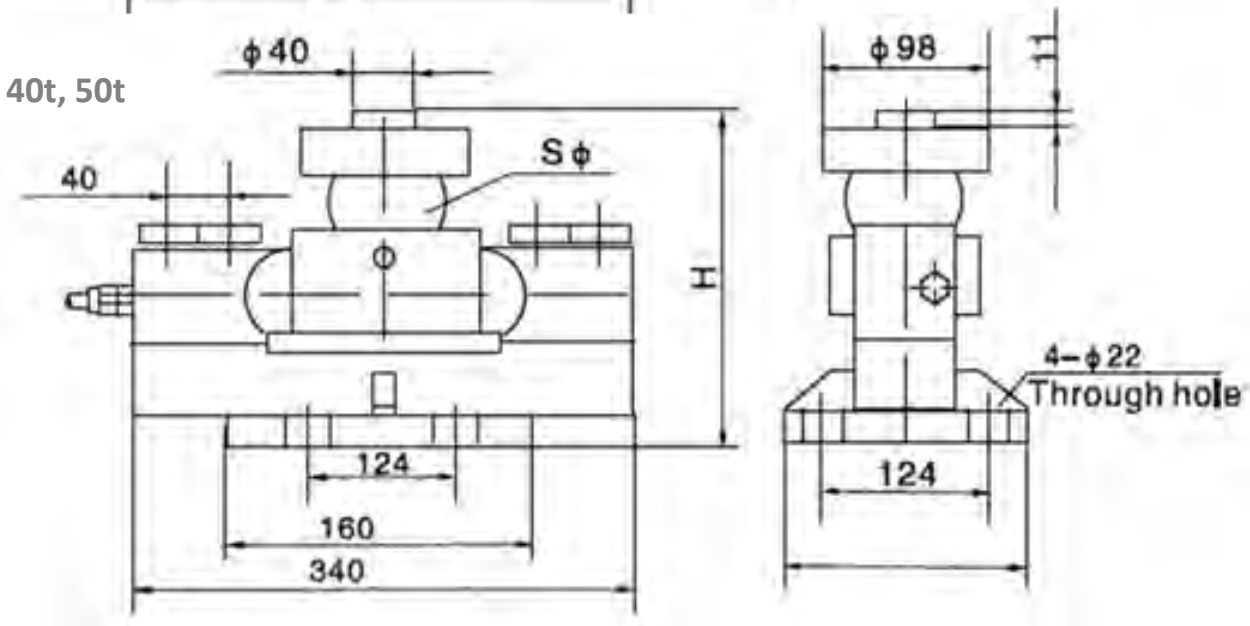
Type lD1 Load Cell

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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