

Type H8Q Load Cell



Short description



- Nickel plated alloy steel IP67 shear beam load cell
- Low profile
- Suitable for hopper, floor and other electronic scales
- High accuracy



test certificate no. TC8382 Revision 0
C of C no R60/2000-NL1-13.21 Revision 1

Available models

Capacity	Accuracy	Full article description
200kg	C3	H8Q-C3-200kg-3B
500kg	C3	H8Q-C3-500kg-3B
1000kg	C3	H8Q-C3-1000kg-3B
2000kg	C3 Excluded from OIML	H8Q-C3-2000kg-3B

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

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Detailed specifications H8Q

Accuracy class		OIML R60 C3	C3
Output sensitivity (= FS)	mV/V	2.0 ± 0.002	
Maximum capacity (E _{max})	kg	200, 500, 1000	2000
Max.number of load cell intervals	n _{LC}	3000	
Ratio of min. LC verification interval	$Y = E_{max} / v_{min}$	15000	10000
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	< ± 1.0 %	
Excitation, recommended voltage	V	5 ~ 12	
Excitation maximum	V	18	
Input resistance	Ω	1000 ± 10	
Output resistance	Ω	1000 ± 10	
Insulation resistance	MΩ	≥5000 (at 50VDC)	
Compensated temperature	°C	-10 ~ +40	
Operating temperature	°C	-35 ~ +70	
Storage temperature	°C	-40 ~ +80	
Element material		Nickel plated alloy steel	
Ingress Protection (acc. to EN 60529)		IP67	
Recommended torque on fixation	Nm	M12: 75	

Wiring

Wiring:

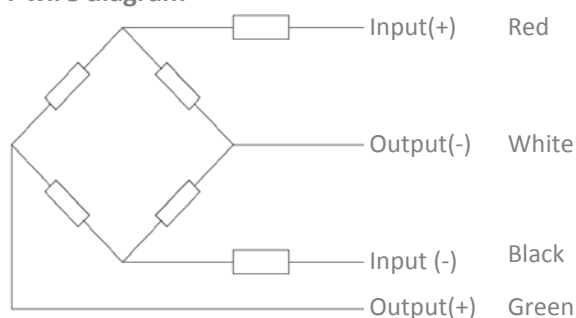
Shielded, 4 conductor cable.

Cable diameter: Ø5mm.

Standard cable length: 3m.

Shield not connected to element.

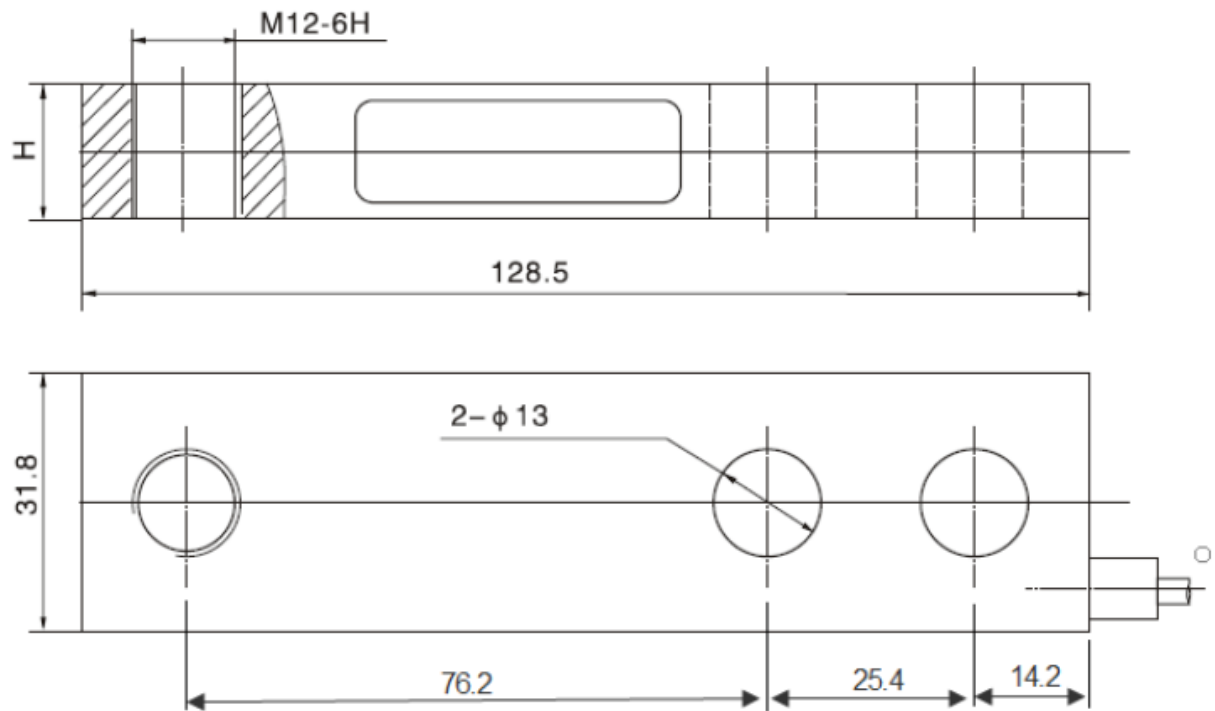
4-wire diagram



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Dimensions in mm

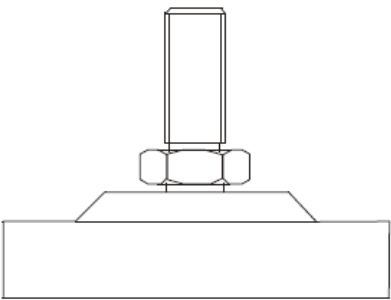
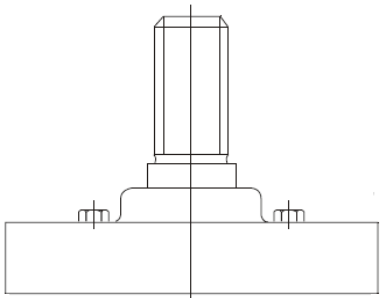
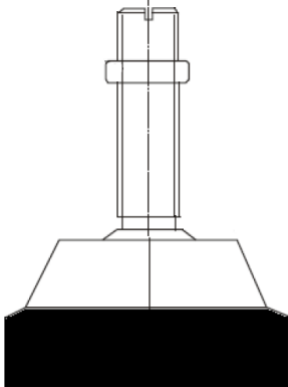


Dimension Capacity	H
200kg	12.7
500kg	15.9
1000kg	19.1
2000kg	25.4

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Available accessories

BJ-8-215 foot • Ø81 and height 48 mm • Easy installation • Adjustable height • Automatically centralized inside • Good ability of anti-side loading • Mainly used for platform scales, floor scales and other electronic weighing devices	
BJ-8-220 foot • Ø80 and height 61 mm • Easy installation • Automatically centralized inside • Good ability of anti-side loading • Mainly used for platform scales, floor scales and other electronic weighing devices	
HJ-8-213 foot • Ø60 and height 62 mm • Nickel plated alloy steel • Adjustable height	

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