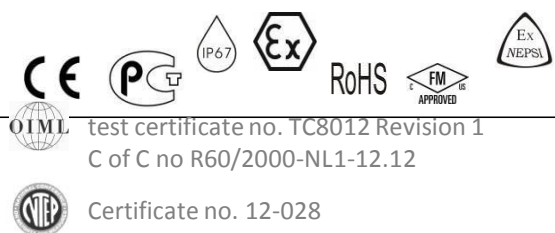


Type H8C Load Cell



Short description

Nickel plated alloy steel IP67 shear beam load cell
(100 kg, 250kg are bending beam load cells)
Adhesive sealed
Suitable platform weighing, bed weighing, etc.
High accuracy
High reliability
Current calibrated (sc-option)



Available models

Capacity	Accuracy	Full article description
100kg	C3/C4/C5	H8C-C3/C4/C5-100kg-4B(-SC-W6)
250kg	C3/C4/C5	H8C-C3/C4/C5-250kg-4B(-SC-W6)
500kg	C3/C4/C5	H8C-C3/C4/C5-500kg-4B(-SC-W6)
750kg	C3/C4/C5	H8C-C3/C4/C5-750kg-4B(-SC-W6)
1t	C3/C4/C5	H8C-C3/C4/C5-1.0t-4B(-SC-W6)
1.5t	C3/C4/C5	H8C-C3/C4/C5-1.5t-4B(-SC-W6)
2t	C3/C4/C5	H8C-C3/C4/C5-2.0t-4B(-SC-W6)
2.5t	C3/C4/C5	H8C-C3/C4/C5-2.5t-6B(-SC-W6)
3t	C3/C4/C5	H8C-C3/C4/C5-3.0t-6B(-SC-W6)
5t	C3/C4/C5	H8C-C3/C4/C5-5.0t-6B(-SC-W6)
10t	C3/C4/C5	H8C-C3/C4/C5-10t-6B(-SC-W6)

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

Type H8C Load Cell



Detailed specifications H8C

Accuracy class		OIML R60 C3	OIML R60 C4	OIML R60 C5
Output sensitivity (= FS)	mV/V	3.0 ± 0.003		
Maximum capacity (E _{max})	t	0.1, 0.25, 0.5, 0.75, 1, 1.5, 2, 2.5, 3, 5, 10	0.1, 0.25, 0.5, 0.75, 1, 1.5,	3, 5, 10
Max.number of load cell intervals	n _{LC}	3000	4000	5000
Ratio of min. LC verification interval	Y = E _{max} / V _{min}	10000	15000	20000 18000
Combined Error	%FS	≤± 0.023	≤± 0.0175	≤± 0.014
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	350 ± 3.5		
Output resistance	Ω	350 ± 3.5		
Insulation resistance	MΩ	≥5000 (at 50VDC)		
Compensated temperature	°C	-10 ~ +40		
Operating temperature	°C	-35 ~ +65		
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	M18:500	M24:750
ATEX classification (optional)		II1G Ex ia II1C T4	II1D Ex iaD 20 T73°C	II3G nL IIC T4

Wiring

Wiring:

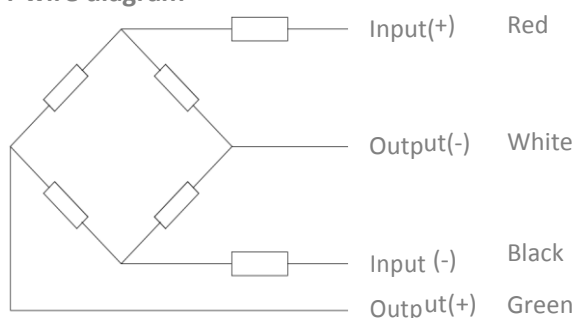
Shielded, 4 or 6 conductor cable

Cable diameter: Ø5mm.

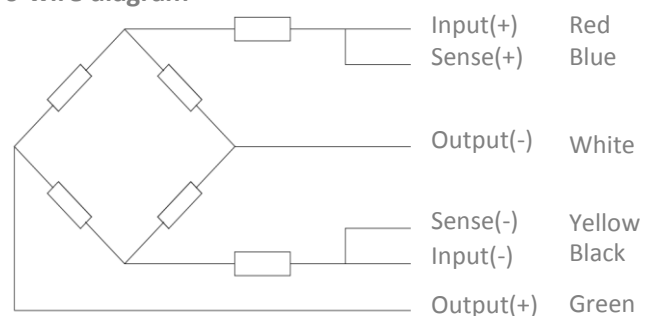
Standard cable length for 100kg – 2t: 4m and 6m for the higher capacities.

Shield not connected to element.

4-wire diagram



6-wire diagram



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

Type H8C Load Cell

Ordering Info:

H8C – C3 – 1.0t – 4 – – BX – SC – XX

Option XX. No mark is standard version, W4 is through loading hole, W6 is "T" end loading hole.

Option SC (standard current).

Cable option. No mark is 4 conductor cable and with a "6" a 6 conductor cable.

Thread option. No mark is Metric Thread and "Y" is Imperial thread.

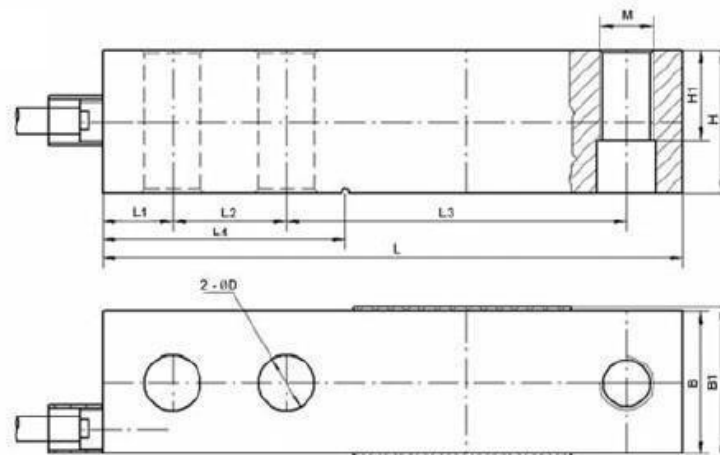
Length of the cable in meters.

Nominal capacity ($\frac{1.0t}{1000}$) for Metric in t(on) and Imperial in lbs up to 500lbs and above in K(ilo)lbs.
Maximum load cell divisions.

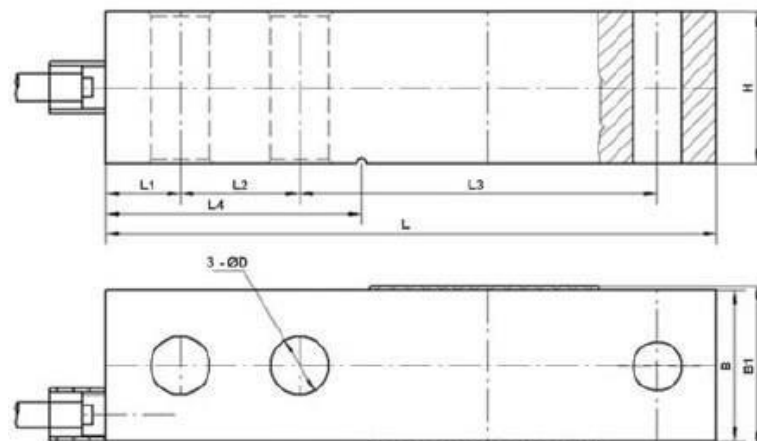
Load Cell model.

Dimensions in mm

Standard version



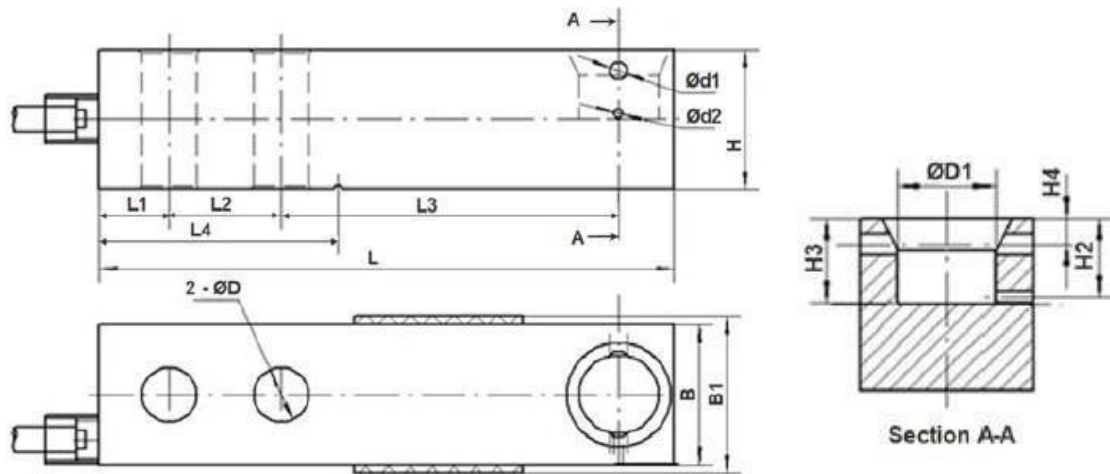
Option W4 version (Through loading hole)



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

Type H8C Load Cell

Option W6 version ("T" end loading hole)

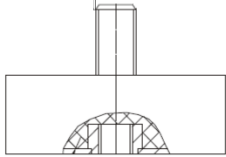
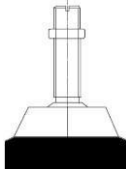
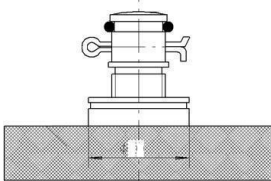


Dimension Capacity	L	L1	L2	L3	L4	B	B1	H	H1	H2	H3	H4	ØD	Ø D 1	Ø d 1	Ø d 2	M
100kg - 250kg	130	15.8	25.4	76.2	54.2	31.8	37	31.8	15.8	14.5	15.8	4.8	13.5	18	4	2	M 12 x 1.75
0.5t-2t	130	15.8	25.4	76.2	54.2	31.8	34	31.8	15.8	14.5	15.8	4.8	13.5	18	4	2	M 12 x 1.75
2.5t-5t	171.5	19.1	38.1	95.3	77.2	38.1	40	38.1	18.8	17.5	18.8	4.8	19.8	25	4	2	M 18 x 1.5
10t	222.3	25.4	50.8	120.7	101.6	50.8	52.4	50.8	25.4	-	-	-	26	-	-	-	M 24 x 2

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

Type H8C Load Cell

Available accessories

HJ-8-201-0.1-10t foot Ø60-86 and height 92-112 mm Nickel plated alloy steel Adjustable height	
HJ-8-203-0.1-2t foot Ø67 and height 46 mm Nickel plated alloy steel Easy installation	
HJ-8-213-0.5-2t foot Ø60 and height 62 mm Nickel plated alloy steel Adjustable height	
HJ-8-236-0.25-5t foot Ø80 and height 50 mm Nickel plated alloy steel Adjustable mount Easy installation	
Elastomer-0.5-10t Easy installation Suitable for shock load	
HM-8-402-0.5-5t mount Nickel plated alloy steel Adjustable mounting height Easy installation	
HY-8-102-0.5-5t Nickel plated alloy steel Easy installation Good self-alignment ability	
HD-8-301-0.5-5t spacer plate Nickel plated alloy Steel	

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