



RoHS

LOAD CELL H8



Alloy steel, nickel-plated, adhesive-sealed.
Suitable for vehicle scales, track scales, hopper scales and other electronic weighing devices.

Weighing Assembly Available-See model HY-8-101 or HM-8-401 on page 84 and 87.

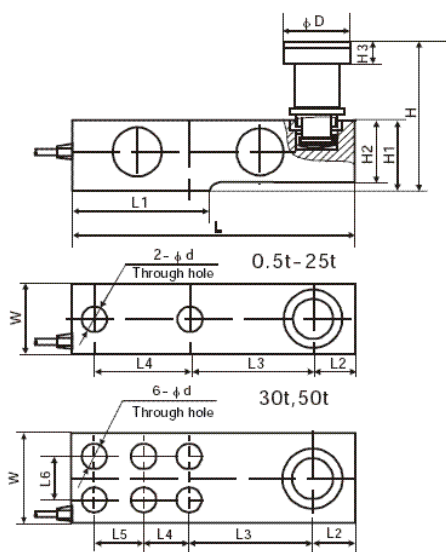
Capacity	Accuracy	Part number
500kg	C3	H8-C3-500kg-4B6
1.0t	C3	H8-C3-1.0t-4B6
2.0t	C3	H8-C3-2.0t-4B6
2.5t	C3	H8-C3-2.5t-4B6
3.0t	C3	H8-C3-3.0t-4B6
5.0t	C3	H8-C3-5.0t-7B6
10t	C3	H8-C3-10t-12B6
15t	C3	H8-C3-15t-12B6
20t	C3	H8-C3-20t-12B6
25t	C3	H8-C3-25t-12B6
30t	C3	H8-C3-30t-12B6
50t	C3	H8-C3-50t-12B6

Specifications

Accuracy Class	OIML R60 C3	Temperature effect on zero (%FS/10°C)	0.018
Rated output (mV/V)	2.0±0.002	Temperature, Compensated (°C)	-10~+40
Combined error (%FS)	0.02	Temperature, Operating (°C)	-35~+65
Non-linearity (%FS)	0.02	Excitation, Recommended (V)	5-12(DC)
Non-repeatability (%FS)	0.01	Excitation, Max. (V)	18(DC)
Creep (%FS/30min)	0.02	Safe Overload (%FS)	150
Input Resistance (Ω)	350±3.5	Ultimate Overload (%FS)	300
Output Resistance (Ω)	350±3.5	Protection Class	IP 67
Insulation Resistance (MΩ)	≥5000(50VDC)	Cable Length (m)	4(0.5-3t), 7(5t), 12(10-50t)
Zero Balance (%FS)	1.5	Cable spec	6-wire shielded cable φ 6.2mm
Temperature effect on span (%FS/10°C)	0.014	Remark	Equipped with special load button

Connections Red Input(+) Yellow Input(-) Blue Output(+) White Output(-)
Brown Sense(+) Black Sense(-) Transparence (Shield)

Outline Dimensions in mm(inches)



Capacity	H1	H2	H3	H	D	d	W	L	L1	L2	L3	L4	L5	L6
0.5t-2t	43 (1.69)	37 (1.47)	5 (0.20)	57.9 (2.28)	35 (1.38)	13 (0.51)	37 (1.47)	203 (7.99)	95 (3.74)	22 (0.87)	98 (3.86)	64 (2.52)	/	/
2.5t	43 (1.69)	37 (1.47)	5 (0.20)	57.9 (2.28)	35 (1.38)	15 (0.59)	37 (1.47)	203 (7.99)	95 (3.74)	22 (0.87)	98 (3.86)	64 (2.52)	/	/
3t	43 (1.69)	37 (1.47)	5 (0.20)	62.9 (2.48)	35 (1.38)	15 (0.59)	37 (1.47)	203 (7.99)	95 (3.74)	22 (0.87)	98 (3.86)	64 (2.52)	/	/
5t	52 (2.06)	48 (1.89)	8 (0.31)	78.7 (3.10)	42 (1.65)	21 (0.83)	48 (1.89)	235 (9.25)	110 (4.33)	22 (0.87)	124 (4.88)	66 (2.60)	/	/
10t, 15t	67 (2.64)	60 (2.36)	12 (0.47)	127.7 (5.03)	57 (2.24)	28 (1.10)	60 (2.36)	279 (10.98)	133 (5.24)	32 (1.26)	140 (5.51)	82 (3.23)	/	/
20t, 25t	82.5 (3.25)	70 (2.76)	12 (0.47)	143.5 (5.65)	70 (2.76)	34 (1.34)	70 (2.76)	318 (12.52)	153 (6.02)	39 (1.50)	159 (6.26)	89 (3.50)	/	/
30t	115 (4.53)	90 (3.54)	18 (0.71)	174 (6.85)	70 (2.76)	26 (1.02)	96 (3.78)	374 (14.72)	189 (7.44)	44.5 (1.75)	181 (7.13)	76 (2.99)	51 (2.01)	46 (1.81)
50t	143 (5.63)	100 (3.94)	28 (1.10)	213 (8.39)	85 (3.35)	29 (1.14)	105 (4.13)	416 (16.38)	210 (8.27)	48 (1.89)	196 (7.72)	92 (3.62)	56 (2.20)	52 (2.05)