

Categories: [Transducers and Sensors->single shear beam](#)

MODEL: H8



- ◆H8 load cells are available for manifold accurate measurement in the capacity 0.5t to 25t.
- ◆Alloy steel,cover welded,oil-proof,waterproof and anti-corrosion, suitable for multiform environment.
- ◆Single shear beam and easy for installation,it issuitable for truck scales,track scales hopper scales and other electronic weighing devices.
- ◆It is safety and anti-explosion product that can be used in atrocious weather and hazardous areas.

Important Features

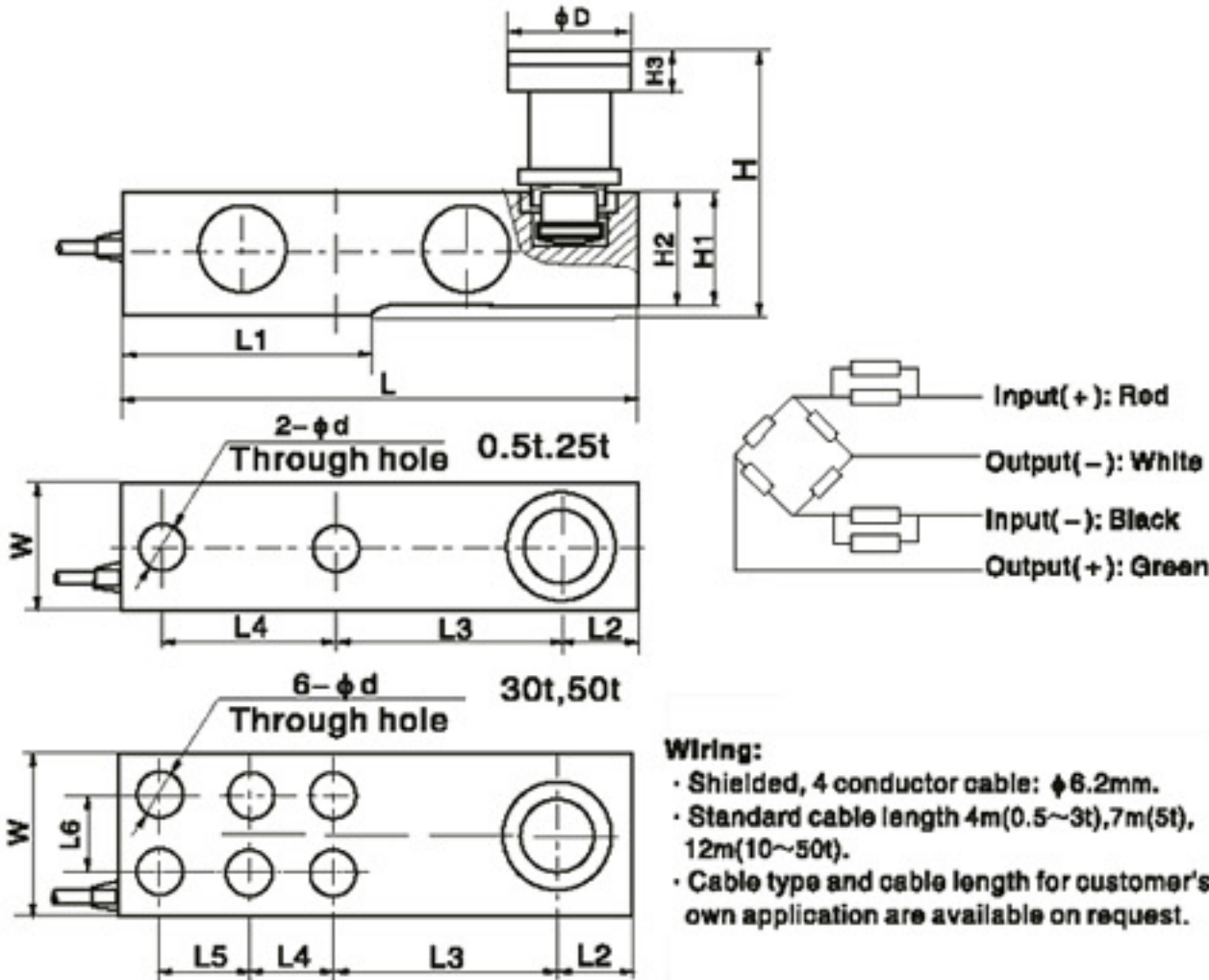
- ◆Capacities:0.5t to 25t.
- ◆High accuracy.
- ◆Alloy steel construction.
- ◆Low profile and nice exterior.
- ◆With OIML approval:(PTB:D09-05.20)

Accessories

HL-8-001
HY-8-101
HM-8-401

Specifications

Capacity	t	0.5/1/2/2.5/3/5/10/15/20/25			
Accuracy class		C2	C3	A5M	B10M
Approval		OIML R60 C3			
Maximum number of verification intervals	n max	2000	3000	5000	10000
Minimum load cell verification interval	v min	E max/ 5000	E max /7500	E max /15000	E max/ 10000
Combined error	(%FS)	≤± 0.030	≤± 0.020	≤± 0.026	≤± 0.050
Creep	(%FS/30min)	≤± 0.023	≤± 0.016	≤± 0.017	≤± 0.040
Temperature effect on sensitivity	(%FS/10℃)	≤± 0.017	≤± 0.011	≤± 0.013	≤± 0.040
Temperature effect on zero	(%FS/10℃)	≤± 0.029	≤± 0.019	≤± 0.014	≤± 0.020
Output sensitivity	(mV/V)	2.0±0.002			
Input resistance	(Ω)	350±3.5			
Output resistance	(Ω)	351±2			
Insulation resistance	(MΩ)	≥ 5000(50VDC)			
Zero balance	(%FS)	1.5			
Temperature,compensated	(℃)	-10~+40			
Temperature,allowed	(℃)	-35~+65			
Excitation,Recommended	(V)	5~12(DC)			
Excitation,Max	(V)	18(DC)			
Safe overload	(%FS)	120			
Ultimate overload	(%FS)	150			



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 (0.2)	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 (0.2)	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 (0.2)	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 (2.05)	48 (1.89)	8 (0.31)	78.7 (3.1)	42 (1.65)	21 (0.83)	48 (1.89)	235 (9.25)	110 (4.33)	22 (0.87)	124 (4.88)	66 (2.6)	/	/
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)	38 (1.5)	159 (6.26)	89 (3.5)	/	/
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 (1.1)	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 (2.2)	52 (2.05.)