

## Model OSBH Series

Shear Beam Load Cell (200Kg ~ 10t)

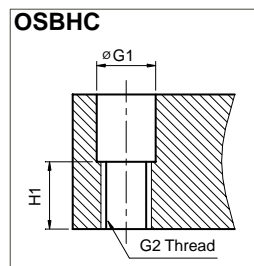
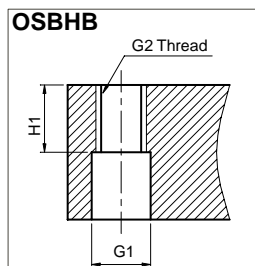
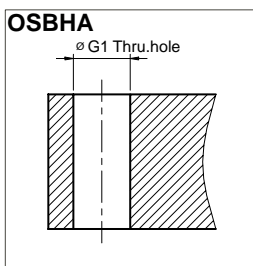
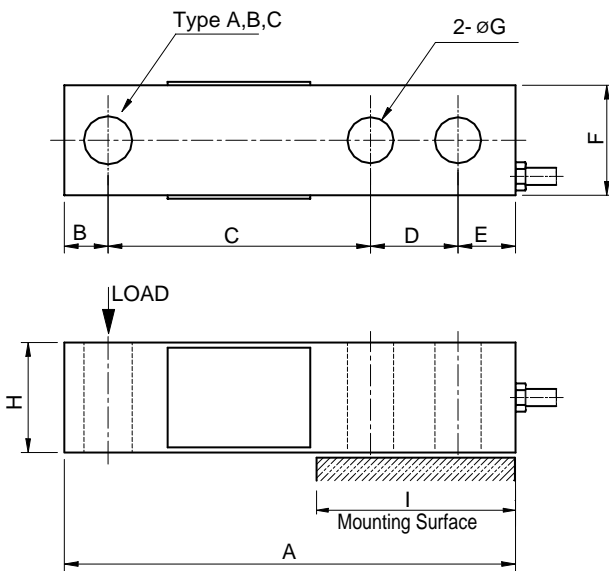


The OSBH series single ended shear beam load cell is designed for high accuracy platform scales and a variety of process weighing applications.

- Alloy tool steel construction for high accuracy.
- Electroless nickel plated for corrosion resistance.
- Fully sealed to IP67.

### SPECIFICATIONS

MODEL	OSBHA, OSBHB, OSBHC
Rated capacity (R.C.)	200,500kg, 1,2,3,5,10t 1,2,4,5,10,20Klb
Rated output(R.O.)	3mV/V ± 0.25%
Non-linearity	≤ 0.03% R.O.
Hysteresis	≤ 0.02% R.O.
Non-repeatability	≤ 0.02% R.O.
Creep error	≤ 0.03% in 20min.
Zero balance	≤ 1% R.O.
Compensated temperature range	-10 ~ 70°C
Operating temperature range	-20 ~ 80°C
Temp. effect on rated output	≤ 0.02% LOAD/10°C
Temp. effect on zero balance	≤ 0.03% R.O./10°C
Terminal input resistance	400 Ohms ±20 Ohms
Terminal output resistance	350 Ohms ±5 Ohms
Insulation resistance (Min.)	2000 MOhms at 50V DC
Excitation Voltage	10V(Recommended) /15V(Maximum)
Electrical connection	200Kg~ 2t $\phi$ 5mmx3m(Standard), 6m(Option) (22AWG x 4Core Shielded)    3t~ 10t $\phi$ 5mmx6m
Protection class	meets IP 67
Safe overload	150% R.C
Ultimate overload	300% R.C



### ORDERING INFORMATION

#### OSBHA - 5T

MODEL	CAPACITY
OSBHA	0.2, 0.5, 1, 2, 3, 5, 10t
OSBHB	1, 2, 4, 5, 10, 20Klb
OSBHC	

### WIRING INFORMATION

RED	: EXC. (+)	WHITE	: EXC. (-)
GREEN	: SIG. (+)	BLUE	: SIG. (-)
BARE	: GND		

### Dimension-mm(inch)

Capacity	A	B	C	D	E	F	G	G1	G2	H	H1	I	Weight
0.2~2t (1.961 ~19.61KN)	131	12.7	76.2	25.4	16.7	31.8	13.5	13.5	M12x1.75P	32	16	57	0.8 Kg (1.7 lb)
	(5.15)	(0.50)	(3.00)	(1.00)	(0.65)	(1.25)	(0.53)	(0.53)		(1.25)	(0.62)	(2.24)	
3~5t (29.42 ~49.03KN)	171	19	95	38	19	38	20.5	20.5	M20x2.5P	38	19	76.2	1.8 (4.0)
	(6.71)	(0.74)	(3.74)	(1.49)	(0.74)	(1.49)	(0.78)	(0.78)		(1.49)	(0.74)	(2.99)	
10t (98.07KN)	222.3	25.4	120.7	50.8	25.4	50.8	26.2	26.2	M24x2P	50.8	25	108	4.1 (9.0)
	(8.75)	(1.00)	(4.75)	(2.00)	(1.00)	(2.00)	(1.02)	(1.02)		(2.00)	(0.98)	(4.25)	
1~4Klb (4.45 ~17.79KN)	131	12.7	76.2	25.4	16.7	31.8	13.5	13.5	1/2" -20 UNF	32	16	57	0.8 (1.7)
	(5.15)	(0.50)	(3.00)	(1.00)	(0.65)	(1.25)	(0.53)	(0.53)		(1.25)	(0.62)	(2.24)	
5~10Klb (22.24 ~44.48KN)	171	19	95	38	19	38	20.5	20.5	3/4" -16 UNF	38	19	76.2	18.0 (4.0)
	(6.71)	(0.74)	(3.74)	(1.49)	(0.74)	(1.49)	(0.78)	(0.78)		(1.49)	(0.74)	(2.99)	
20Klb (88.98KN)	222.3	25.4	120.7	50.8	25.4	50.8	26.2	26.2	1" -14 UNF	50.8	25	108	4.1 (9.0)
	(8.75)	(1.00)	(4.75)	(2.00)	(1.00)	(2.00)	(1.02)	(1.02)		(2.00)	(0.98)	(4.25)	

\* Specifications are subject to change without notice

JUL.2002