

Model OSBH Series Shear Beam Load Cell (200kg ~ 10t)

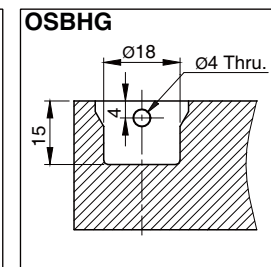
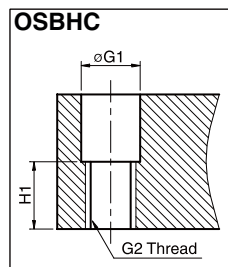
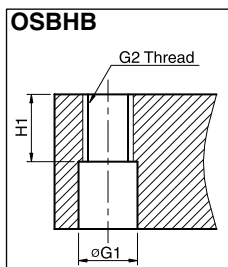
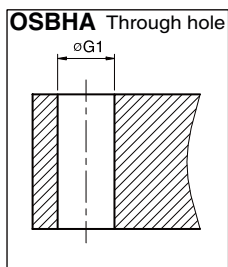
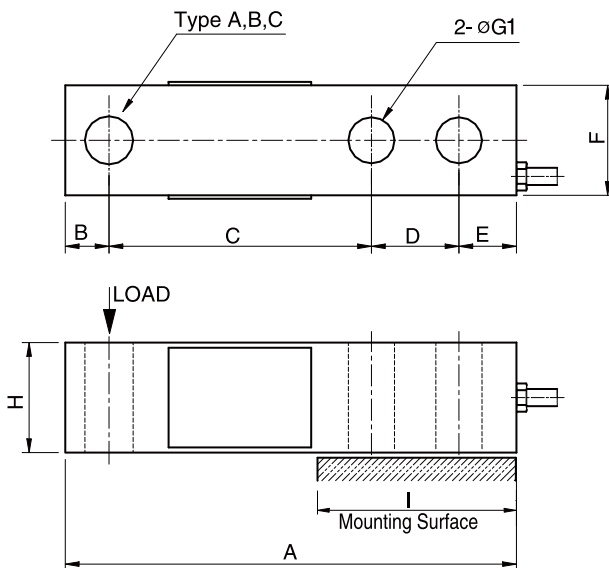


The OSBH series single ended shear beam load cell is designed for high accuracy platform scales and a variety of process weighing applications.

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

SPECIFICATIONS

MODEL	OSBHA, OSBHB, OSBHC, OSBHG
Rated capacity (R.C.)	200, 500kg, 1, 2, 3, 5, 10 t 0.5, 1, 2, 4, 5, 10, 20klb
Rated output(R.O.)	3.0mV/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	≤0.03% 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(Max.)
Electrical connection	200kg ~ 2t 22AWG x 4Core Shielded 3, 5t(10t) 3, 5t(10t)
Protection class	meets IP 67
Safe overload	150% R.C
Ultimate overload	300% R.C

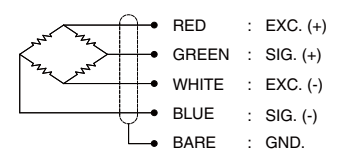


ORDERING INFORMATION

OSBHA - 2T

MODEL	CAPACITY
OSBHA	200, 500kg, 1, 2, 3, 5, 10 t
OSBHB	0.5, 1, 2, 4, 5, 10, 20 klbs
OSBHC	

WIRING INFORMATION



Dimension-mm(inch)

Capacity	A	B	C	D	E	F	G1	G2	H	H1	I	Weight
200kg ~ 2t (1.961~19.61kN)	131	12.7	76.2	25.4	16.7	32	13.5	M12x1.75P	32	16	57	0.8
3, 5t (29.42~49.03kN)	171.5	19	95.3	38.1	19.1	38.1	20.5	M20x2.5P	38	19	76.2	1.8
10t (98.07kN)	222.3	25.4	120.7	50.8	25.4	50.8	26.2	M24x2P	50.8	25	108	4.1
0.5k~4k lbs (2.224~17.79kN)	(5.15)	(0.50)	(3.00)	(1.00)	(0.65)	(1.25)	(0.53)	1/2" -20 UNF	(1.25)	(0.62)	(2.24)	(1.7)
5k, 10k lbs (22.24~44.48kN)	(6.75)	(0.75)	(3.75)	(1.50)	(0.75)	(1.50)	(0.78)	3/4" -16 UNF	(1.50)	(0.74)	(3.0)	(4.0)
20k lbs (88.97kN)	(8.75)	(1.00)	(4.75)	(2.00)	(1.00)	(2.00)	(1.02)	1" -14 UNF	(2.00)	(0.98)	(4.25)	(9.0)

* Specifications are subject to change without notice

JAN, 2013