



Series SBCT10

Shear Beam Load Cell (200kg ~ 10t)

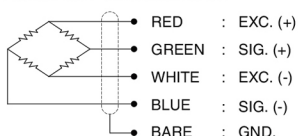


ORDERING INFORMATION

SBCT10A - 2T

TYPE	CAPACITY
SBCT10A	200, 500kg, 1, 2, 3, 5, 10 t
SBCT10B	0.5, 1, 2, 4, 5, 10, 20 klbs
SBCT10C	

WIRING INFORMATION

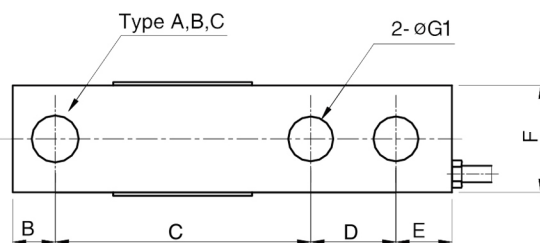
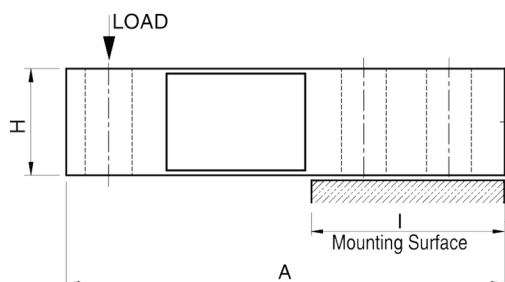
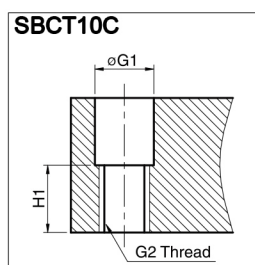
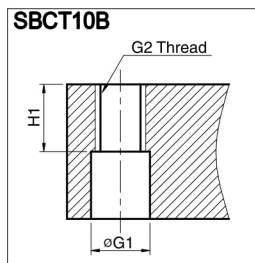
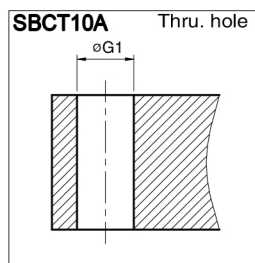


The SBCT10 series single ended shear beam load cell is designed for high accuracy platform scales and a variety of process weighing applications.

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

SPECIFICATIONS

TYPE	SBCT10A, SBCT10B, SBCT10C
Rated capacity (R.C.)	200, 500kg, 1, 2, 3, 5, 10 t 0.5, 1, 2, 4, 5, 10, 20klb
Rated output(R.O.)	3mV/V $\pm$ 0.25%
Non-linearity	$\leq$ 0.03% R.O.
Hysteresis	$\leq$ 0.02% R.O.
Non-repeatability	$\leq$ 0.02% R.O.
Creep error	$\leq$ 0.03% in 20min.
Zero balance	$\leq$ 1% R.O.
Compensated temperature range	-10 ~ 70°C
Operating temperature range	-20 ~ 80°C
Temp. effect on rated output	$\leq$ 0.03% LOAD/10°C
Temp. effect on zero balance	$\leq$ 0.03% R.O./10°C
Terminal input resistance	400 Ohms $\pm$ 20 Ohms
Terminal output resistance	350 Ohms $\pm$ 5 Ohms
Insulation resistance (Min.)	2000 MOhms at 50V DC
Excitation voltage	10V(Recommended), 15V(Max.)
Electrical connection	200kg ~ 2t $\varnothing$ 5mmx3m(Standard), 6m(Option) (22AWG x 4Core Shielded) 3, 5t(10t) $\varnothing$ 5mmx6m($\varnothing$ 7mmx6m)
Protection class	meets IP 67
Safe overload	150% R.C
Ultimate overload	300% R.C



Dimension-mm

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

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