



Series SBCT5

Shear Beam Load Cell (500kg ~ 10t)

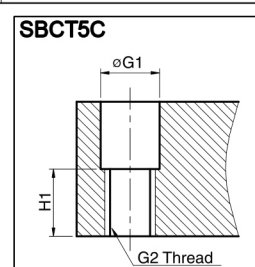
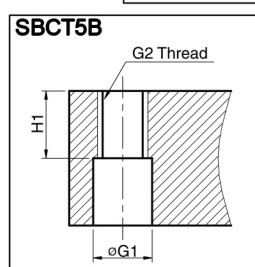
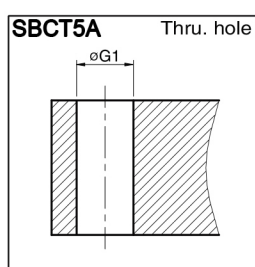
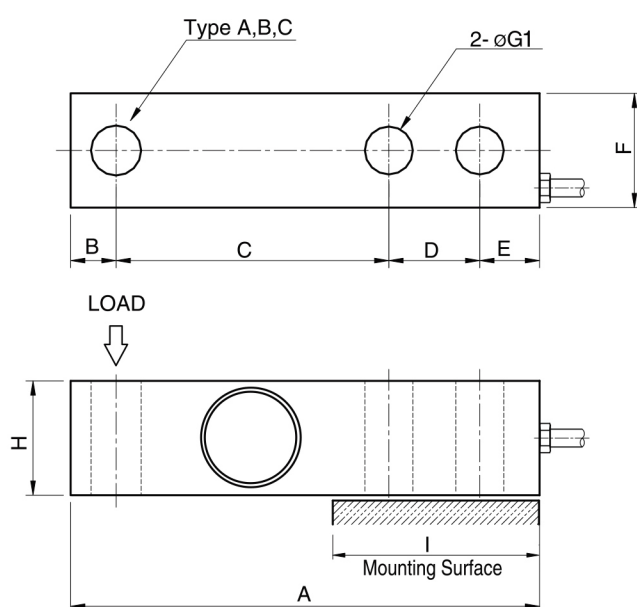


The SBCT5 series single ended shear beam load cell is designed for high accuracy platform scales and a variety of process weighing applications.

- 17-4PH stainless steel construction for high accuracy and corrosion resistance.
- Fully welded seal with stainless steel cover for hostile environment applications.

SPECIFICATIONS

TYPE	SBCT5A, SBCT5B, SBCT5C
Rated capacity (R.C.)	500kg, 1, 2, 3, 5, 10t 2, 4, 5, 10, 20 klbs
Rated output(R.O.)	2mV/V $\pm$ 0.25%
Non-linearity	$\leq$ 0.03% R.O.
Hysteresis	$\leq$ 0.03% 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 (22AWG x 4Core Shielded) 3, 5t(10t)
	$\varnothing$ 5mmx3m(Standard), 6m(Option) $\varnothing$ 5mmx6m($\varnothing$ 7x6m)
Protection class	meets IP 68
Safe overload	150% R.C
Ultimate overload	300% R.C



Dimension-mm

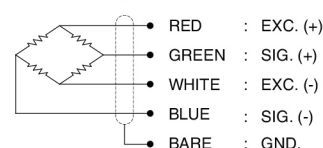
Capacity	A	B	C	D	E	F	$\varnothing$ G1	G2	H	H1	I	Weight(kg)
500kg ~ 2t (4.903~19.61kN)	131	12.7	76.2	25.4	16.7	32	13.5	M12x1.75P	32	16	56	0.8
3, 5t (29.42, 49.03kN)	171.5	19	95.3	38.1	19.1	38.1	20.5	M20x2.5P	38	19	76.2	1.8
10t (98.07kN)	222.3	25.4	120.7	50.8	25.4	50.8	26.2	M24x2P	50.8	25	108	4.1

ORDERING INFORMATION

SBCT5A - 5T

TYPE	CAPACITY
SBCT5A	0.5, 1, 2, 3, 5, 10 t
SBCT5B	2, 4, 5, 10, 20 klbs
SBCT5C	(Lbs Available)

WIRING INFORMATION



* Specifications are subject to change without notice