

# BSB | Shear Beam



## DESCRIPTION

The BSB is a low profile shear beam type Load Cell designed for platform scales, Tank scales and Hopper scales etc.

Its Nickel plating assures long term reliability.

## Features

- ▶ Wide range of capacities from 250~10,000kg
- ▶ Low profile
- ▶ Nickel plated steel
- ▶ Threaded load hole

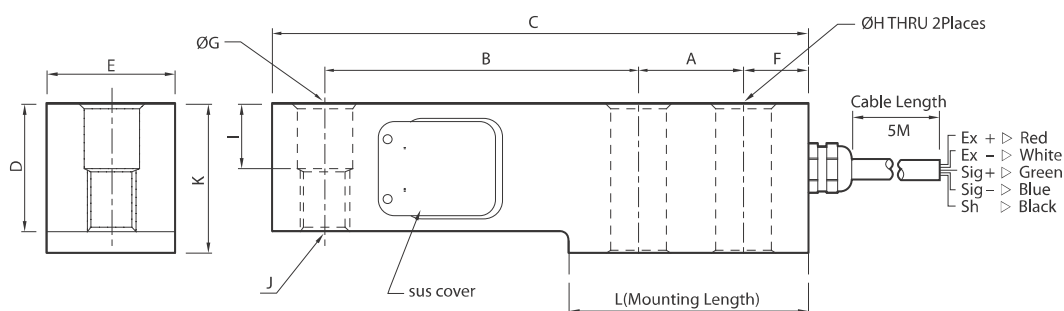
## Options

- ▶ TW bolt type accessory available  
(only for Low : 250 ~ 2K, High : 3K ~ 5K)
- ▶ TWE ball & safety guide bar type accessory available  
(only for Low : 250 ~ 2K, High : 3K ~ 5K)

## Specifications

Capacity	kgf	250, 500, 1K, 2K, 3K, 5K, 10K
Rated Output	mV / V	3.0 ± 0.0075
Zero Balance	mV / V	0.0 ± 0.03
Accuracy Class	-	-
Non-Linearity	% R.O.	≤ 0.03
Hysteresis	% R.O.	≤ 0.03
Combined Error	% R.O.	≤ 0.03
Repeatability	% R.O.	≤ 0.01
Creep for 30min.	% R.O.	≤ 0.03
Return for 30min.	% R.O.	≤ 0.03
Resolution	-	≤ 1/3000
Division	mV / V	0.001
Temperature Effect on	- Zero Value - Output Value	%/10°C % / 10°C
		≤ 0.028 ≤ 0.015
Excitation	- Recommended - Maximum	V V
		10 15
Resistance	- Input - Output - Insulation	Ω Ω MΩ
		350 ± 3.5 350 ± 3.5 > 2000
Compensated Temperature Range	°C	-10 to +40
Operating Temperature Range	°C	-30 to +80
Material & Plate	-	Nickel Plated Steel
Cable Specification	-	Ø5.4 x 4P x 5M (Urethane)
Safety Overload	% R.L.	150% R.L.
Platform Size	mm	4-Point Platform Type

## Dimension



## Applications

- ▶ Platform scales
- ▶ Tank and hopper scales

Capa.	A	B	C	D	E	F	G	H	I	J	K	L
250kgf												
500kgf												
1tf	25.4	76.2	131	32	31.8	16.7	13.5	13.5	16	M12 x 1.75	38	57
2tf												
3tf	38.1	95.3	172.5	38	38	20	20	20	19	M18 x 1.5	44.5	76
5tf												
10tf	50.8	120.7	223.3	50.8	50.8	26.4	26.2	26.2	25.4	M24 x 2.0	57.2	101