

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.



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	%/10°C	≤ 0.028
	- Output Value	%/10°C	≤ 0.015
Excitation	- Recommended	V	10
	- Maximum	V	15
Resistance	- Input	Ω	350 ± 3.5
	- Output	Ω	350 ± 3.5
	- Insulation	MΩ	> 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	

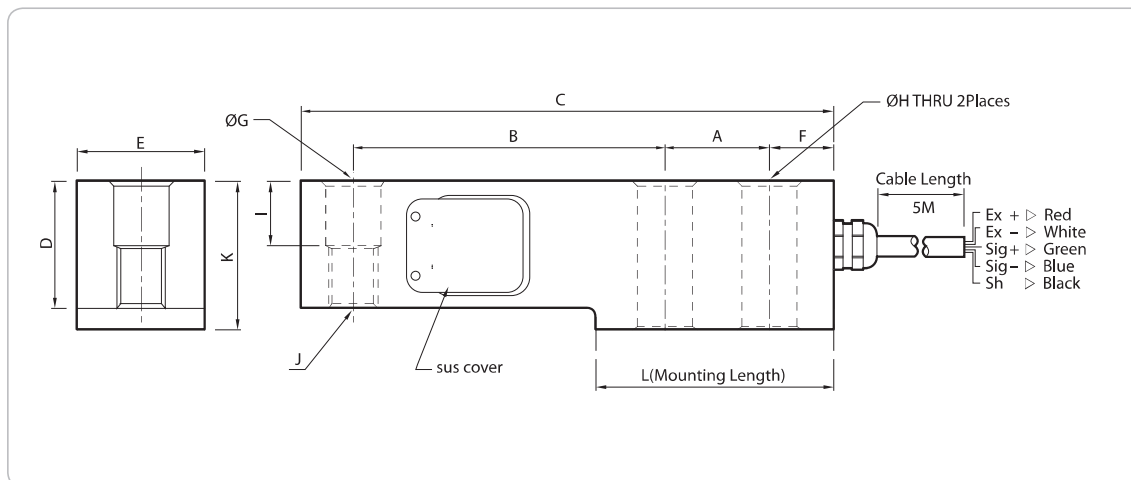
Features

- ▶ 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)

Dimension



Applications

- ▶ Platform scales
- ▶ Tank and hopper scales

Capa.	A	B	C	D	E	F	G	H	I	J	K	L
250kgf	25.4	76.2	131	32	31.8	16.7	13.5	13.5	16	M12 x 1.75	38	57
500kgf												
1tf												
2tf	38.1	95.3	172.5	38	38	20	20	20	19	M18 x 1.5	44.5	76
3tf												
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