

# BSA | Shear Beam

## DESCRIPTION

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

It is approved to OIML and NTEP

Via the use of threaded hole, easy installation is possible.



## Specifications

Capacity	kgf	250, 500, 1K, 2K, 3K, 5K	
Rated Output	mV/V	3.0 ± 0.0075	
Zero Balance	mV/V	0.0 ± 0.03	
Accuracy Class	-	D3	C3
Non-Linearity	% R.O.	≤ 0.03	≤ 0.025
Hysteresis	% R.O.	≤ 0.03	≤ 0.025
Combined Error	% R.O.	≤ 0.03	≤ 0.025
Repeatability	% R.O.	≤ 0.01	≤ 0.01
Creep for 30min.	% R.O.	≤ 0.03	≤ 0.017
Return for 30min.	% R.O.	≤ 0.03	≤ 0.017
Resolution	-	≤ 1/3000	≤ 1/4000
Division	mV/V	0.001	0.00075
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	Without Limit	



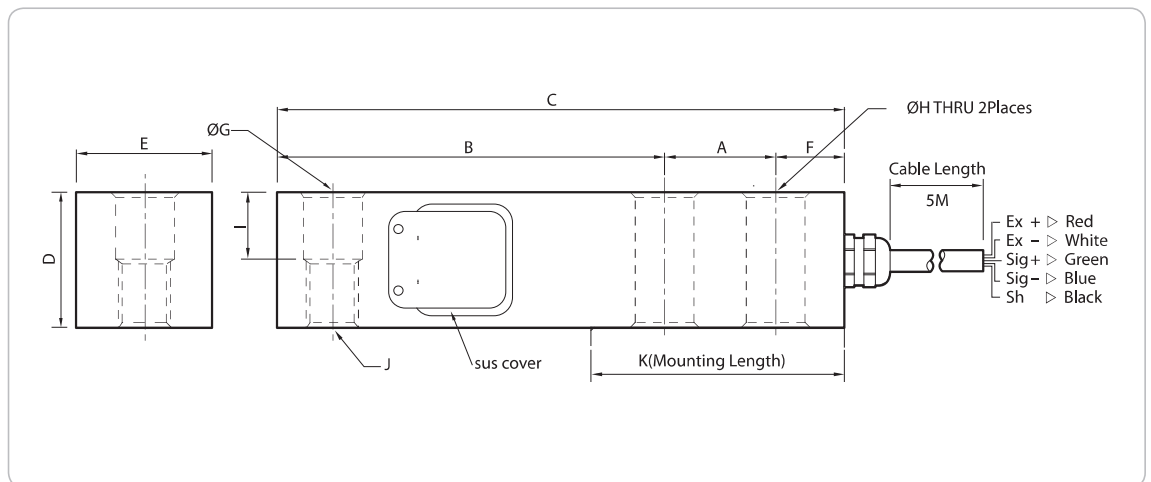
## Features

- ▶ Max capacities of 250-5,000kg
- ▶ OIML C3 approval(OIML R60)
- ▶ NTEP Class III 5000d approval
- ▶ Low profile
- ▶ Nickel plated steel
- ▶ Threaded load hole

## Options

- ▶ TW bolt type accessory available
- ▶ TWE ball & safety guide bar type accessory available

## Dimension



## Applications

- ▶ Platform scales
- ▶ Tank and hopper scales

Capa.	A	B	C	D	E	F	G	H	I	J	K
250kgf	25.4	76.2	130	32	32	15.8	13.5	13.5	16	M12 x 1.75	52
500kgf											
1tf											
2tf											
3tf	38.1	95.3	171.5	38	38	19	20	20	19	M18 x 1.5	76.2
5tf											