

# BS | Shear Beam

## DESCRIPTION

The BS is a low profile shear beam Load Cell. It is nickel plated steel and designed for platform scales, Tank scales and Hopper scales etc.



▲ BS(250kgf-5tf)

### Features

- ▶ Max capacities of 250~10,000kg
- ▶ Low profile
- ▶ Nickel plated steel

### Options

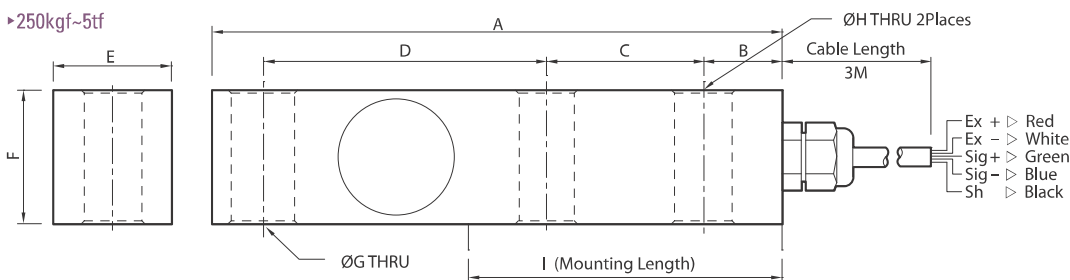
- ▶ Ball type accessory available

## Specifications

Capacity		kgf	250, 500	1K, 2K, 5K, 10K
Rated Output	mV/V		1.5 ± 0.0037	2.0 ± 0.005
Zero Balance	mV/V		0.0 ± 0.015	0.0 ± 0.02
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		0.0005	0.00067
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 ± 20	
	- Output	Ω	350 ± 5	
	- Insulation	MΩ	> 2000	
Compensated Temperature Range	°C		-10 to +40	
Operating Temperature Range	°C		-20 to +80	
Material & Plate			Nickel Plated Steel	
Cable Specification			Ø5.4 x 4P x 3M (Urethane)	
Safety Overload	% R.L.		150	
Platform Size	mm		Without Limit	

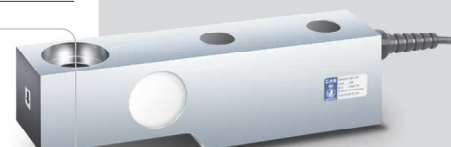
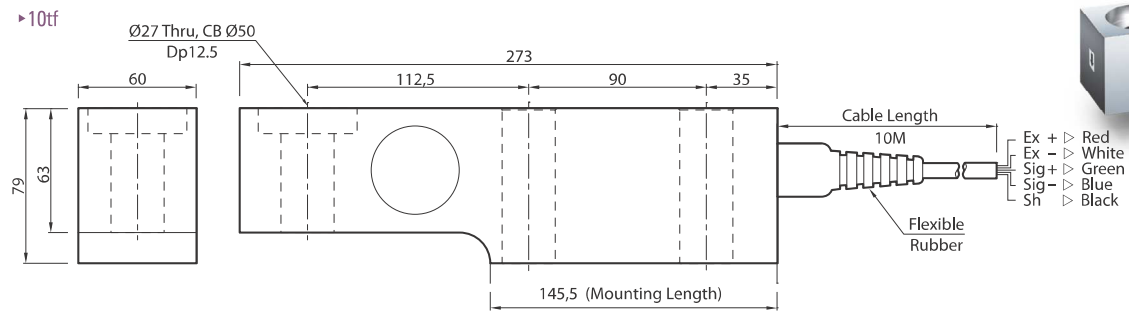
## Dimension

▶250kgf~5tf



Capa.	A	B	C	D	E	F	G	H	I
250kgf ~ 2tf	145.0	20.0	40.0	72.0	34.0	30.0	16.0	14.5	80.0
5tf	205.0	25.0	55.0	105.0	48.0	38.0	20.5	20.5	105.0

▶10tf



▲ BS(10tf)

## Applications

- ▶ Platform scales
- ▶ Tank and hopper scales