BSA | Single Ended Beam Load Cell

Description

BSA is a Single ended beam type load cell of steel material. Its Low Profile Pressure Type Structure makes it compatible with platform, hopper, tank scales and a great variety of other scale types.

Features

- Pressure type
- Designed according to IP66

Option

- TW Bolt Type Accessory (250kgf~2tf / 3~5tf)
- TWE Ball Type Accessory (250kgf~2tf / 3~5tf)
- OIML C3 class Approved (OIML R60)
- NTEP Class III 5000d Approved

Application

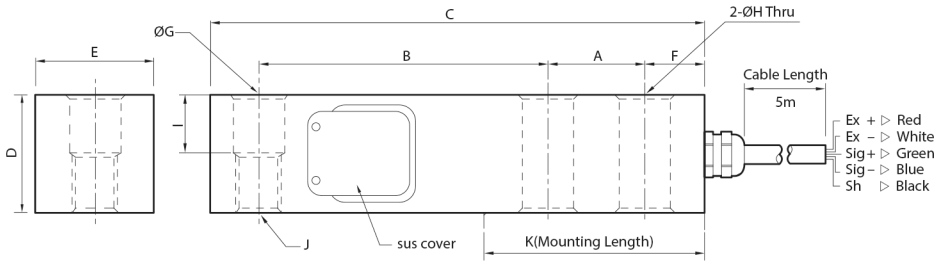
- Platform Scale
- Tank, Hopper Scale

Specifications

Capacity(R.L.)		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		-	C3	-
Non-Linearity		% R.O.	≤ 0.025	≤ 0.03
Hysteresis		% R.O.	≤ 0.025	≤ 0.03
Combined Error		% R.O.	≤ 0.025	≤ 0.03
Repeatability		% R.O.	≤ 0.01	≤ 0.01
Creep for 30min.		% R.O.	≤ 0.017	≤ 0.03
Return for 30min.		% R.O.	≤ 0.017	≤ 0.03
Resolution		-	≤ 1/4000	≤ 1/3000
Division		mV / V	0.00075	0.001
Temperature Effect on	-Zero Value	%/10℃	≤ 0.014	≤ 0.028
	-Output Value	%/10℃	≤ 0.011	≤ 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		℃	-10 to +40	
Operating Temperature Range		℃	-30 to +80	
Material & Plate		-	Steel	
Cable Specification		-	Ø5.4 x 4P x 3M (PVC)	Ø5.4 x 4P x 5M (Urethane)
Safety Overload		% R.L.	150	

Dimensions

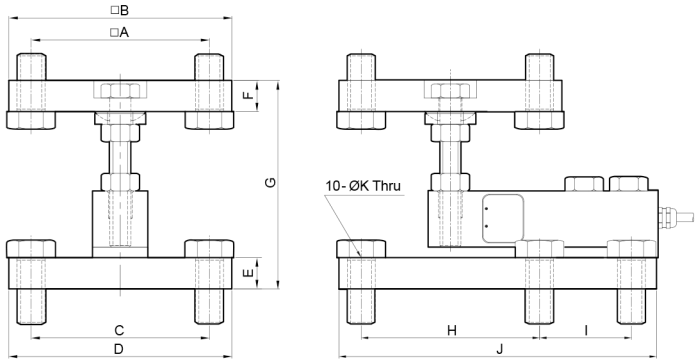
▶ BSA



Capa.	A	B	C	D	E	F	G	H	I	J	K	Cable (m)
250kgf~2tf	25.4	76.2	130	32	32	15.8	13.5	13.5	16	M12 x 1.75	57	3/5
3~5tf	38.1	95.3	171.5	38	38	19	20	20	19	M18 x 1.5	76.1	

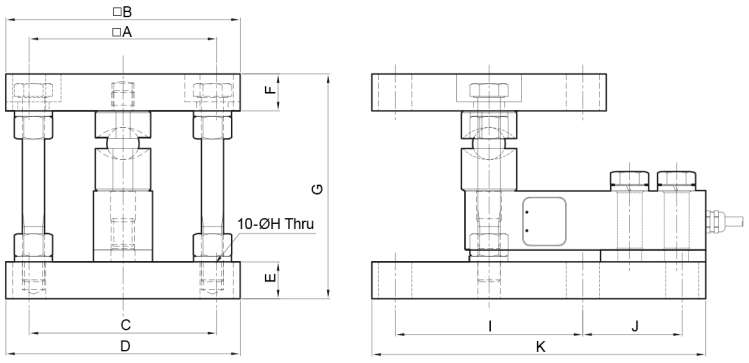
Accessory Dimensions

▶ BSA-TW



Capa.	A	B	C	D	E	F	G	H	I	J	K
250kgf~2tf	101.6	127	101.6	127	17.8	17.8	118.8	101.6	52.3	180.9	17
3~5tf	101.6	127	101.6	127	23.9	23.9	142.4	101.6	82.5	215.9	17

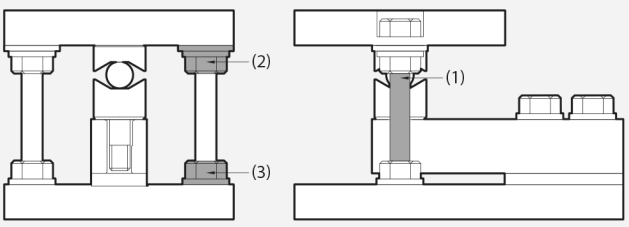
▶ BSA-TWE



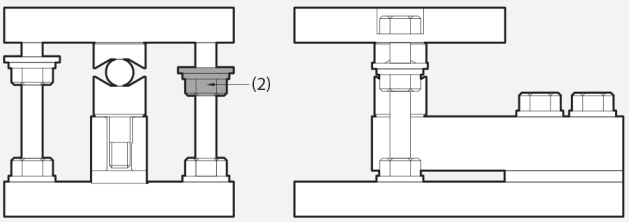
Capa.	A	B	C	D	E	F	G	H	I	J	K
250kgf~2tf	101.6	127	101.6	127	20	20	121.8	18	101.6	53.9	180.9
3~5tf	101.6	127	101.6	127	24	26	156.15	18	101.6	88.9	215.9

Installation method

▶BSA



1. Twist Hexagonal Bolt (1) on Mounting Plate.
2. Place Hexagonal Nuts (2), (3) on both ends as shown in image.
3. Squeeze Hexagonal Nuts and Bolt as shown in step 1 and 2 of image.
4. Install Load Cell with BallCup.



1. Slowly Twist Hexagonal Bolt in the opposite direction.
2. Repeat the above step on the Hexagonal Nut on the opposite side.
3. Unwinding the Hexagonal Nut without causing any disturbance in the application of weight placed on element is a crucial part of this step.
4. Replace (2) with a Hexagonal Nut that can adjust its placement.