# B S A Shear beam load cell, 250kgf - 5tf

## FEATURES

- OIML C3 approved (OIML R60)
- Protection class IP66

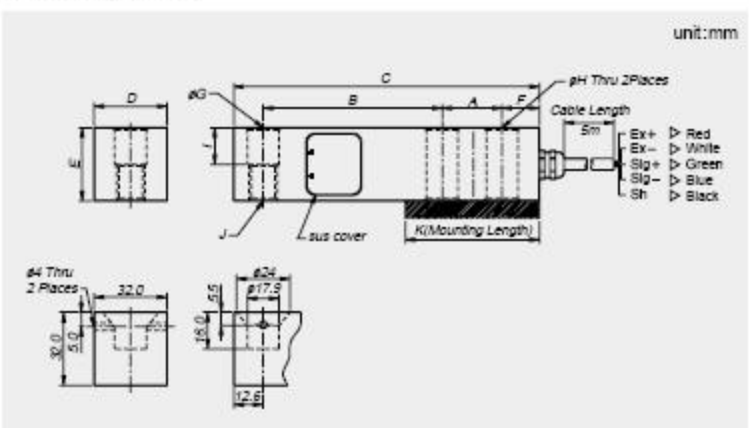
## OPTIONS

- OIML C3 approved
- Pivot end loading version (-Tend)

## SPECIFICATIONS

| Max. capacity | kgf | 250, 500, 1tf, 2tf, 3tf, 5tf | |
|---|---|---|---|
| Rated output | mV/V | 3.0 ±0.0075 | |
| Zero balance | mV/V | 0 ±0.03 | |
| Accuracy class | | D3 | C3 |
| Combined error | % | 0.03 | 0.025 |
| Repeatability | % | 0.01 | 0.01 |
| Creep for 30min. | % | 0.03 | 0.017 |
| Temperature effect on | | | |
| Zero Value | %/10℃ | 0.028 | 0.014 |
| Output value | %/10℃ | 0.015 | 0.011 |
| Excitation | | | |
| Recommended | V | 10 | |
| Maximum | V | 15 | |
| Resistance | | | |
| Input | Ω | 350 ±3.5 | |
| Output | Ω | 350 ±3.5 | |
| Insulation | MΩ | > 2,000 | |
| Compensated temperature range | ℃ | -10 to +40 | |
| Operating temperature range | ℃ | -30 to +80 | |

## DIMENSIONS




**Material**
Nickel plated steel

**Mounting**

| Capacity | Hexagon head-Bolt | Tightening torque |
|---|---|---|
| 250kgf - 2tf | M12 ×1.75(10.9) | 100Nm |
| 3tf - 5tf | M18 ×1.5(10.9) | 350Nm |

**Cable**
Braided shield 4-wire round cable with Urethane-jacket

**Mounting Accessory**
BSA-TW

| Model | Capacity | A | B | C | D | E | F | G | H | I | J | K |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BSA-250L | 250kgf | 25.4 | 76.2 | 130 | 32 | 32 | 15.8 | 13.5 | 13.5 | 16.0 | M12 ×1.75 | 52 |
| BSA-500L | 500kgf | | | | | | | | | | | |
| BSA-1 | 1tf | | | | | | | | | | | |
| BSA-2 | 2tf | | | | | | | | | | | |
| BSA-3 | 3tf | 38.1 | 95.3 | 171.5 | 38 | 38 | 19 | 20 | 20 | 19 | M18 ×1.5 | 76.2 |
| BSA-5 | 5tf | | | | | | | | | | | |