# B8Q




- Stainless steel IP67 shear beam load cell
- Low profile
- Suitable for hopper, floor and other electronic scale

test certificate no. TC7809 Revision 0
C of C no R60/2000–NL1–10.14

Certificate no. 12–029

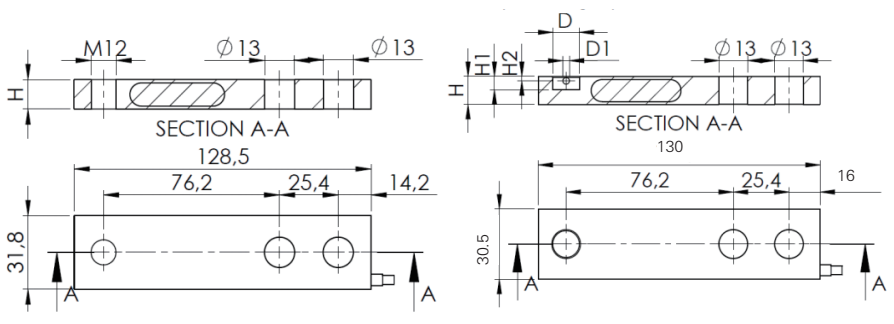
**Available models**

| Capacity | Accuracy | Full article description |
|---|---|---|
| 200 kg | C3 Excluded from OIML | B8Q–C3–200kg–3B |
| 500kg | C3 | B8Q–C3–500kg–3B |
| 1000kg | C3 | B8Q–C3–1000kg–3B |
| 2000kg | C3 | B8Q–C3–2000kg–3B |

## Specification

| | | | |
|---|---|---|---|
| Accuracy class | | C3 | OIML R60 C3 |
| Output sensitivity ( = FS ) | mV/V | 2.0 ± 0.002 | |
| Maximum capacity ( Emax ) | kg | 200 | 500, 1000, 2000 |
| Maximum number of load cell intervals ( nLC ) | | 3000 | |
| Ratio of minimum LC verification interval Y = Emax / vmin | | 10000 | 15000 |
| Combined error | %FS | ± 0.0230 | |
| Minimum dead load | %FS | 0% | |
| Safe overload | %FS | 150 % | |
| Ultimate overload | %FS | 300 % | |
| Zero balance | %FS | ± 1.0 | |
| Excitation, recommended voltage | V | 5 ~ 12( DC ) | |
| Excitation maximum | V | 18( DC ) | |
| Input resistance | Ω | 1000 ± 5 | 1106 ± 5 |
| Output resistance | Ω | 1000 ± 3 | |
| Insulation resistance | MΩ | ⩾ 5000 ( 50VDC ) | |
| Compensated temperature | ℃ | –10 ~+40 | |
| Operating temperature | ℃ | –35 ~ +65 | |
| Storage temperature | ℃ | –40 ~ +70 | |
| Element material | | Stainless steel | |
| Recommended torque on fixation | N.m | M12: 75 | |
| Ingress protection (according to EN 60529) | | IP67 | |

## Dimensions in mm

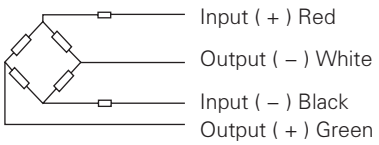



Standard version

Option W6 version ( “T” end loading hole)

| Capacity | H | H1 | H2 | ΦD | ΦD1 |
|---|---|---|---|---|---|
| 200 kg | 12.7(0.5) | 6(0.24) | 2(0.08) | 12.1(0.48) | 3(0.12) |
| 500 kg | 15.9(0.63) | 9.5(0.37) | 2.8(0.11) | 18.1(0.71) | 4(0.16) |
| 1000 kg | 19.1(0.75) | 9.5(0.37) | 2.8(0.11) | 18.1(0.71) | 4(0.16) |
| 2000kg | 25.4(1) | 9.5(0.37) | 2.8(0.11) | 18.1(0.71) | 4(0.16) |

## Wiring




- Shielded, 4 conductor cable.
- Cable diameter: Φ5mm.
- Standard cable length: 3m.
- Shield not connected to element.