**BCM Load Cells**

**Product Overview**

The listed specifications are subject to change without prior notice.

**Nomenclature of BCM Load Cells**

The model number of BCM load cells, including force- and torque-transducers, consists of 4 digits, such as 1661, 3418, 6998 and so on.

The first two digits represent the working principle of load cells, the third digit indicates the material from which the load cell is made, and the last digit is a sequence number of that load cell in the loadcell category of the same working principle.

**Working principle of BCM load cells:**

- **11-series:** diaphragm (button-like) load cells
- **12-series:** ring-type load cells
- **13-series:** shear-web load cells
- **14-series:** column load cells
- **15-series:** bending-beam load cells
- **16-series:** parallel bending-beam (single point) load cells
- **17-series:** rotary torque transducers
- **18-series:** static torque transducers
- **19-series:** compressive & tensile force transducers
- **29-series:** compressive & tensile force transducers
- **34-series:** single-ended shear beam load cells
- **39-series:** bellow-sealed bending beam load cells
- **57-series:** shear-beam load pins (single- & double-ended)
- **67-series:** hermetically-sealed load pins
- **69-series:** S-beam load cells

**Material from which the BCM load cell is made:**

- **1:** nickel plated mild steel AISI4340
- **3:** ceramic (97% Al₂O₃)
- **6:** aluminum alloy 2024
- **9:** 17-4PH stainless steel
- **2:** other types of alloy

**Example:** 3418 load cell, here “3” represents that, the working principle of this load cell is shear-beam with one end fixed to a mechanical supporter.

**Sequence number or code of the load cells among the same load cell category:**

- **0, 1, 2, ..., 9, or a, b, c, ..., Z**

**Example:** 3419, here “9” indicates that this load cell is made from mild steel AISI4340 with nickel plated surface treatment.

**Your Local Distributor:**

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Ref: LCP00320795
**BCM load cells, signal conditioners, junction boxes and weighing indicators have 2-year warranty.**

### Single Point Load Cells
- **Model:** 1661, 1664, 1667, 3911/3911
- **Material:** aluminum alloy 2024, stainless steel
- **Capacity:** 3 kg, 50 kg, 100 kg, 500 kg
- **Output:** 2.0 mV/V
- **Accuracy:** ±0.1 %fS, ±0.2 %fS, ±0.5 %fS
- **Excitation:** 5 V
- **Protection:** IP65, IP67

### Shear Beam Load Cells, Single-Ended
- **Model:** 3417/3497, 3418/3498, 3419/3499
- **Material:** stainless steel
- **Capacity:** 3 kg, 50 kg, 100 kg, 200 kg, 300 kg
- **Output:** 2.0 mV/V
- **Accuracy:** ±0.1 %fS, ±0.2 %fS, ±0.5 %fS, ±0.1 %fS, ±0.2 %fS, ±0.5 %fS
- **Protection:** IP65, IP67

### Bending Beam
- **Model:** 1312/1392, 2912/2992, 1531, 159A, 156L
- **Material:** stainless steel, aluminum alloy 2024
- **Capacity:** 0.1 kg, 0.2 kg, 0.3 kg, 0.4 kg, 1 kg, 2 kg, 3 kg, 5 kg, 10 kg
- **Output:** 2.0 mV/V
- **Accuracy:** ±0.1 %fS, ±0.2 %fS, ±0.5 %fS
- **Protection:** IP65

### Double-Ended Load Pins
- **Model:** 6798A, 6798, 6795, 5795
- **Material:** stainless steel, aluminum alloy 2024
- **Capacity:** 50 N, 100 N, 200 N, 300 N
- **Output:** 2.0 mV/V
- **Accuracy:** ±0.1 %fS, ±0.2 %fS, ±0.5 %fS
- **Protection:** IP65

### Single-Ended Load Pins
- **Model:** 6918/6998
- **Material:** stainless steel
- **Capacity:** 2 kg, 15 kg
- **Output:** 2.0 mV/V
- **Accuracy:** ±0.1 %fS, ±0.2 %fS, ±0.5 %fS
- **Protection:** IP65

### S-Beam
- **Model:** 1211/1291, 1495
- **Material:** stainless steel
- **Capacity:** 50 kg, 500 kg
- **Output:** 2.0 mV/V
- **Accuracy:** ±0.1 %fS, ±0.2 %fS, ±0.5 %fS
- **Protection:** IP65

### Compression Load Cells
- **Model:** 1811, 1865, 1816
- **Material:** stainless steel
- **Capacity:** 2 t, 5 t, 10 t
- **Output:** 2.0 mV/V
- **Accuracy:** ±0.1 %fS, ±0.2 %fS
- **Protection:** IP65

For detailed product information, please visit our website: www.BCMSENSOR.com.