

## General information

PWS720260509

The tension load cell 60001 has been designed for the industrial weighing of small tanks and hoppers. The S-type load cell 60001 has excellent linearity and accuracy features and excellent overload resistance of over 300%. Made of nickel-plated steel, the traction load cell 60001 has a watertight protection for use in severe environmental conditions.



## Suggested related products

A highly performing weighing system must be accurate, perfectly calibrated and well maintained. In order to improve the load cell performance and to optimize its functioning, you may need the following products:

**Weight Transmitter** [UWT 6008](#)

**Weight Transmitter** [DAT 1400](#)

**Tester 1008** [TESTER 1008](#)

**Junction Box** [CGS4-C](#)

**Universal load cell** [CS20](#)

**Universal load cell** [CS30](#)

All indicated data may be changed without notice.  
All the measures indicated are expressed in millimeters (mm).

## Technical specifications

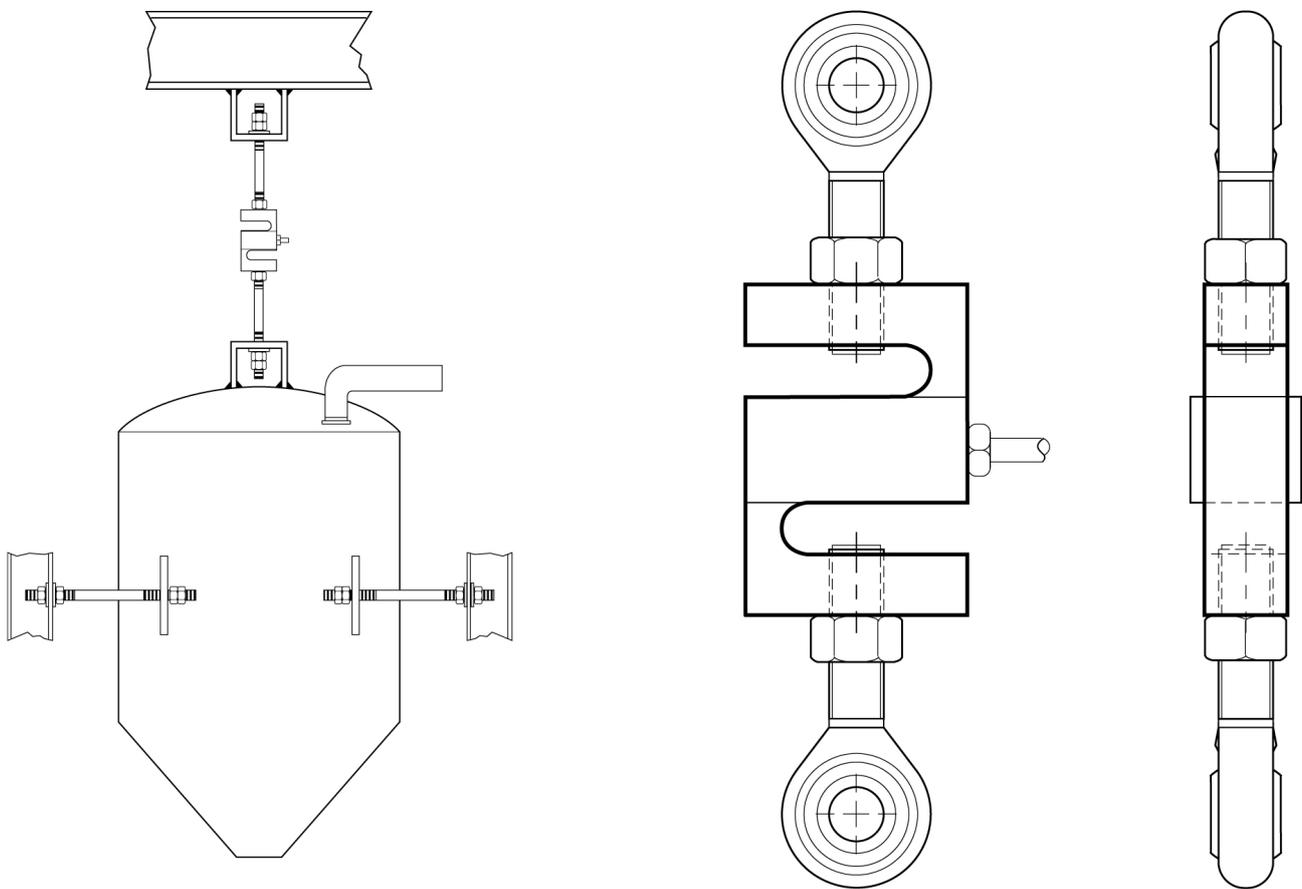
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|  |   |
|--|---|
| <b>Rated load (RL):</b>                    | 50, 100, 250, 500, 1000, 2500, 5000, 10000 Kg |
| <b>Combined error:</b>                     | < $\pm 0.02$ % RL                             |
| <b>Repeatability:</b>                      | < $\pm 0.01$ % RL                             |
| <b>Creep (30 minutes):</b>                 | $\pm 0.017$ % RL                              |
| <b>Safe overload:</b>                      | 150 % RL                                      |
| <b>Ultimate overload:</b>                  | 300 % RL                                      |
| <b>Material:</b>                           | Nickel steel                                  |
| <b>Degree of protection:</b>               | IP67  |
| <b>Accuracy class:</b>                     | 3000 OIML (250 ÷ 2500 kg)                     |
| <b>Deflection:</b>                         | 0.3 ÷ 0.6 mm                                  |
| <b>Compensated Temperature:</b>            | -10 ÷ +40°C                                   |
| <b>Temperature range:</b>                  | -18 ÷ +65°C                                   |
| <b>Temperature effect on zero balance:</b> | < $\pm 0.0010$ % RO/°F                        |
| <b>Temperature effect on output:</b>       | < $\pm 0.0007$ % output/°F                    |
| <b>Rated output RO:</b>                    | 3 mV/V $\pm 0.25$ %                           |
| <b>Zero balance:</b>                       | $\pm 1$ % RO                                  |
| <b>Insulation resistance:</b>              | > 1000 MOhm                                   |
| <b>Input resistance:</b>                   | 343 ÷ 450 Ohm                                 |
| <b>Output resistance:</b>                  | 349 ÷ 355 Ohm                                 |
| <b>Recommended input:</b>                  | 5 ÷ 15 Vdc/ac                                 |

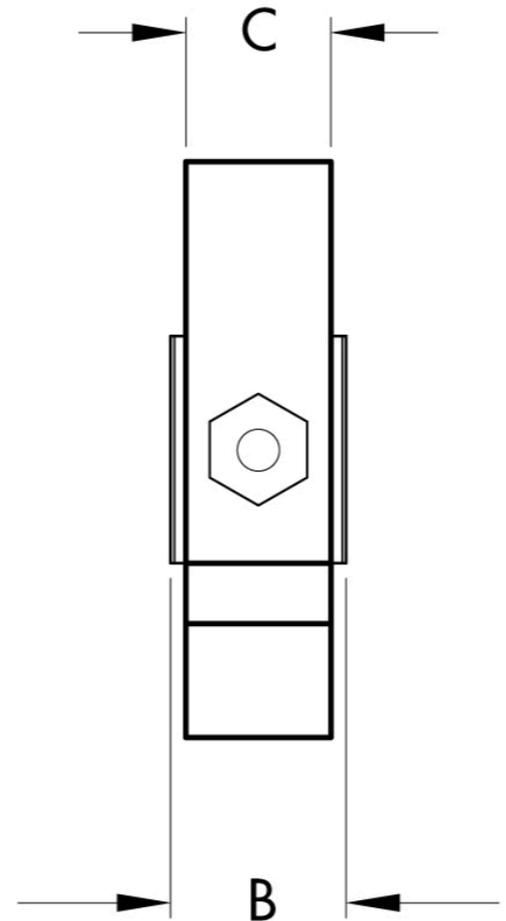
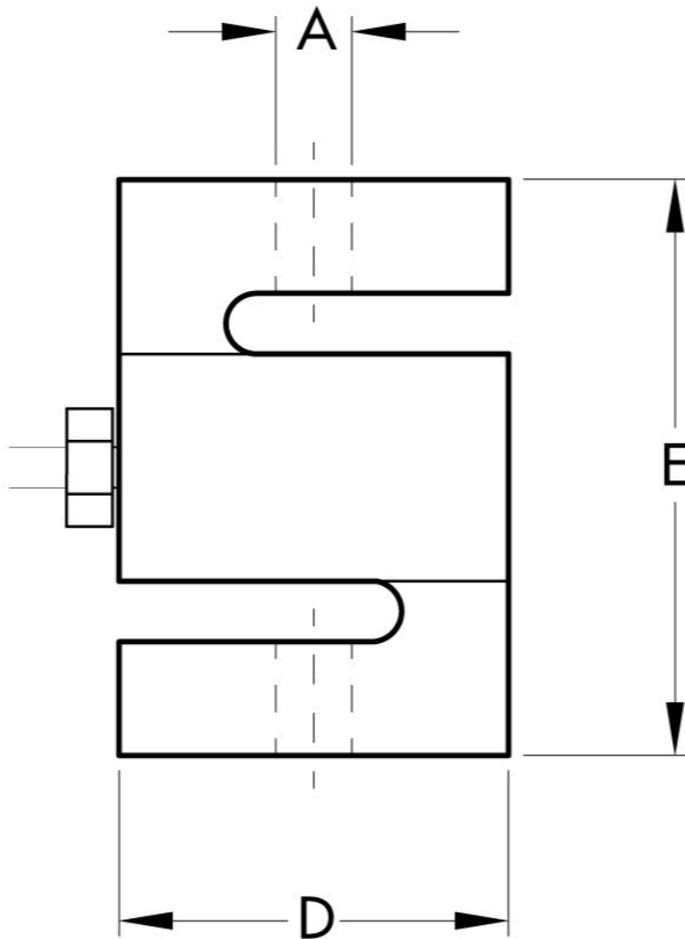
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# S-Type load cell 60001

available with certification • EAC • OIML • NTEP



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**Electrical Connection**

|             |              |
|-------------|--------------|
| +Excitation | Red          |
| -Excitation | Black        |
| +Signal     | Green        |
| -Signal     | White        |
| Shield      | Cable shield |

| CAPACITY  | A           | B    | C    | D     | E     |
|-----------|-------------|------|------|-------|-------|
| 50-100 kg | M8x1.25-6H  | 16.5 | 12.7 | 50.8  | 63.5  |
| 250-1 t   | M12x1.75-6H | 25.4 | 19.1 | 50.8  | 76    |
| 2.5 t     | M20x1.5-6H  | 31.8 | 25.4 | 76.2  | 108   |
| 5 t       | M20x1.5-6H  | 31.8 | 25.4 | 88.9  | 120.7 |
| 10 t      | M20x2.0-6H  | 57.2 | 50.8 | 127.0 | 177.8 |

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