

## General information

PWS2720251215

The DDR double shear beam load cell made of stainless steel and with fully welded hermetic seal, is suitable for weighing tanks and silos and has a 12 m shielded 6-conductor cable for electrical connection. The DDR cell is easy to install and has a high linearity and low mechanical profile. Furthermore, it is also available in a high temperature version and can be customized.



## 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** [DAT 1400](#)

**Weight Indicator** [MCT 1302](#)

**Mounting kits** [DE MOUNTING KIT](#)

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

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

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

## Technical specifications

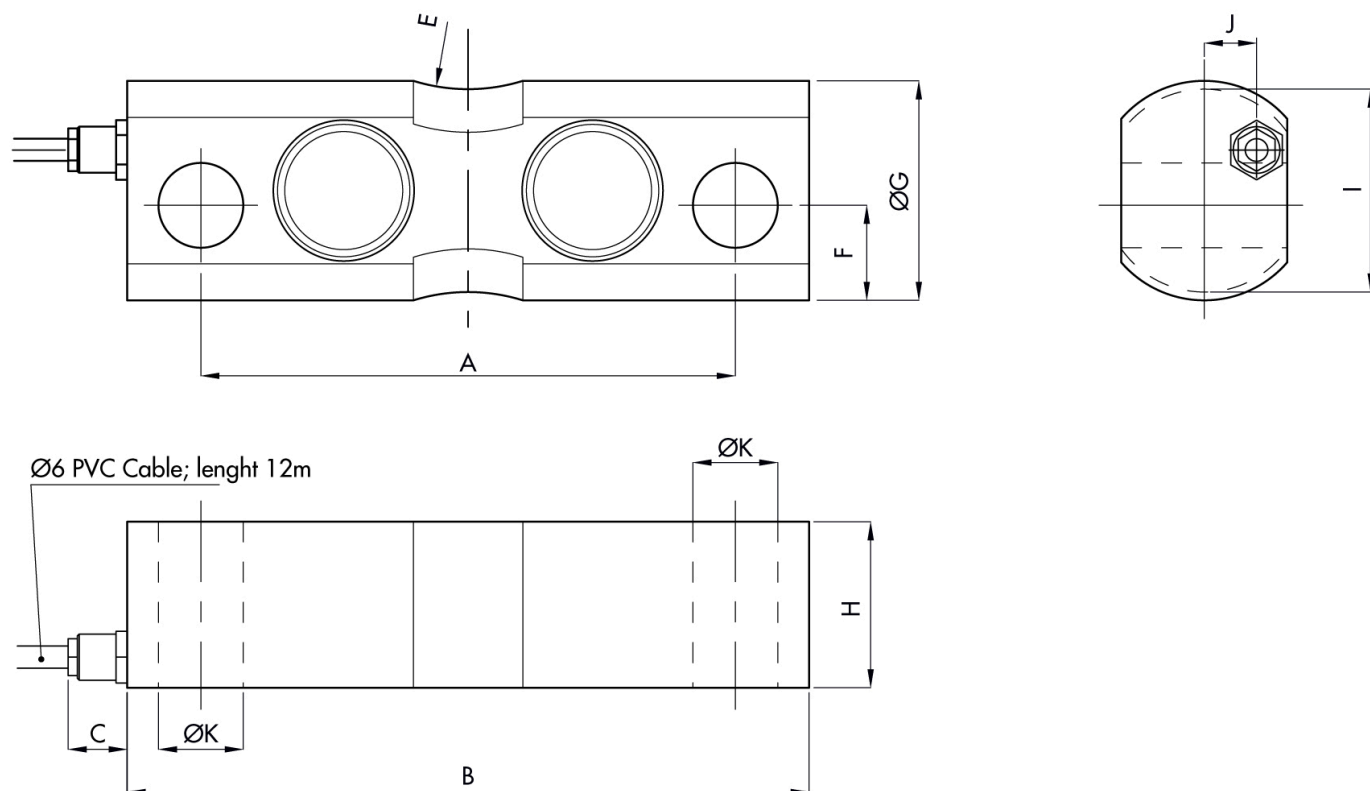
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|  |                                    |
|--|------------------------------------|
| <b>Rated Load (RL):</b>                    | 2, 3, 5, 10, 20, 30, 50, 75, 100 t |
| <b>Combined error:</b>                     | < ±0.017 % RO                      |
| <b>Repeatability:</b>                      | < ±0,015 %                         |
| <b>Creep (20 minutes):</b>                 | ±0.016 % RO                        |
| <b>Safe overload:</b>                      | 150 % RL                           |
| <b>Ultimate overload:</b>                  | 200 % RL                           |
| <b>Degree of protection:</b>               | IP68                               |
| <b>Accuracy class:</b>                     | 3000 OIML (except for 2, 3 t)      |
| <b>Deflection:</b>                         | 0.6 ÷ 1 mm                         |
| <b>Compensated Temperature:</b>            | -10 ÷ +40 °C                       |
| <b>Temperature range:</b>                  | -30 ÷ +70 °C                       |
| <b>Temperature effect on zero balance:</b> | < ±0.010 % RO / 5°C                |
| <b>Temperature effect on output:</b>       | < ±0.006 % RO/5°K                  |
| <b>Rated output RO:</b>                    | 2 mV/V ±0,1 %                      |
| <b>Zero balance:</b>                       | < ±2 % RO                          |
| <b>Insulation resistance:</b>              | > 5000 M Ohm                       |
| <b>Input resistance:</b>                   | 800 ±30 Ohm                        |
| <b>Output resistance:</b>                  | 700 ±5 Ohm                         |
| <b>Recommended input:</b>                  | 5 ÷ 15 Vdc/Vac                     |

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# Double Shear Beam Load Cell **DDR**

available with certification • GOST • EAC • ATEX • OIML



| CAPACITY | A   | B   | C  | D  | E    | F    | ØG   | H  | ØI | J  | ØK | WEIGHT |
|----------|-----|-----|----|----|------|------|------|----|----|----|----|--------|
| 5-20t    | 145 | 185 | 16 | 41 | r.50 | 25.7 | 59.5 | 45 | 55 | 14 | 23 | 3.2kg  |
| 30-50t   | 220 | 285 | 16 | 48 | r.50 | 29.7 | 74.5 | 60 | 66 | 22 | 30 | 8kg    |
| 75-100t  | 260 | 340 | 16 | 66 | r.50 | 37.2 | 99.5 | 80 | 91 | 32 | 50 | 14.3kg |

| Electrical Connection |              |
|-----------------------|--------------|
| +Excitation           | Green        |
| -Excitation           | Black        |
| +Sense                | Blue         |
| -Sense                | Yellow       |
| +Signal               | Red          |
| -Signal               | White        |
| Shield                | Cable shield |

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