

## General information

PWS420241015

The CMH compression load cell is made of stainless steel and it guarantees precision, strength and maximum resistance to impacts and overloads. The CMH cell has been specially designed for the industrial weighing of silos, tanks and ladles and it is used mainly in the food, chemical, pharmaceutical and steel industries. The product CMH can be customized according to customer needs, for example the compensated temperature range can be extended to  $-10 \div +90$  ° C.



## 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](#)

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

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

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

**Double Shear Beam Load Cell** [DDR](#)

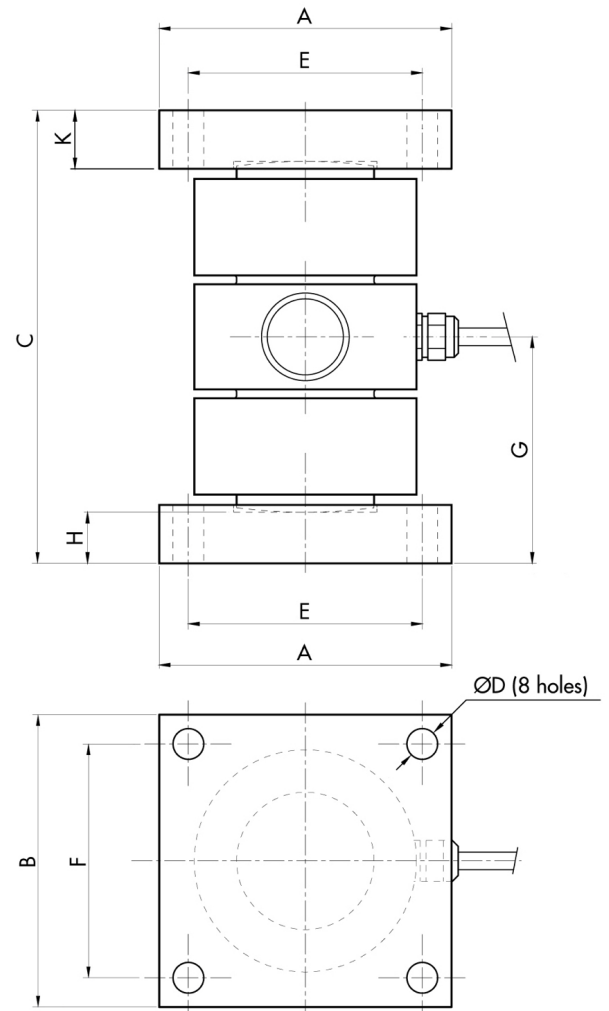
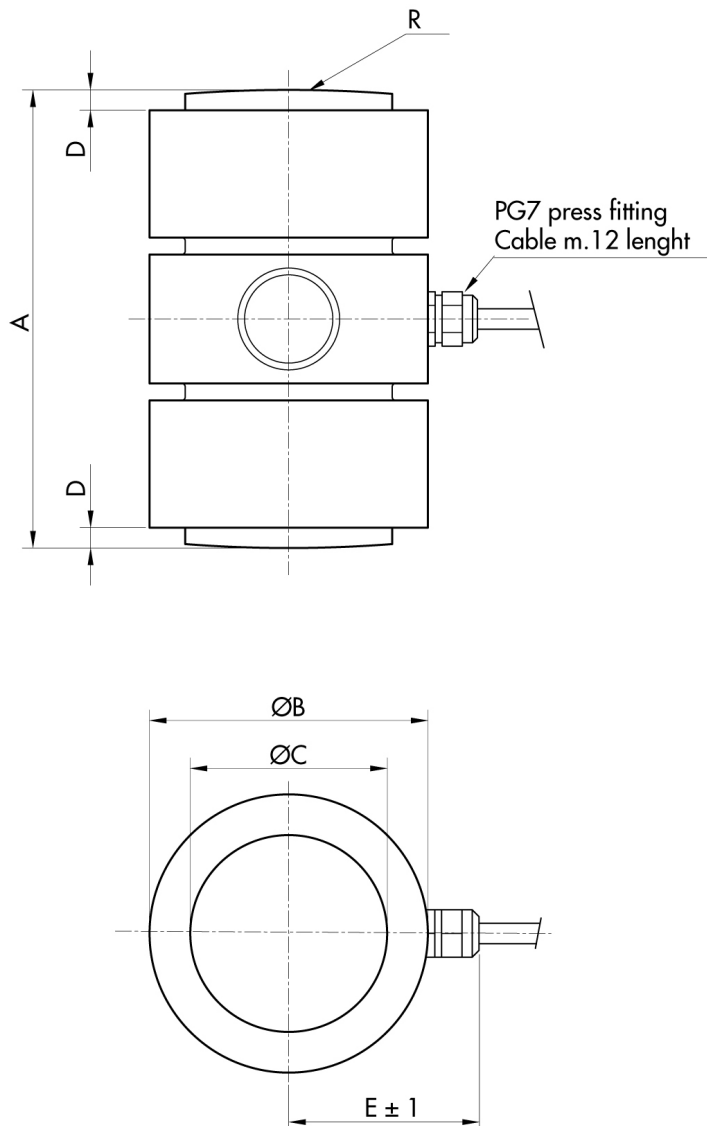
All indicated data may be changed without notice.  
All the measures indicated are expressed in millimeters (mm).

## Technical specifications

PWS420241015

|  |  |
|--|--|
| <b>Rated Load (RL):</b>                    | 2, 6, 10, 15, 20, 30, 40, 50, 60, 100, 150, 200, 250 t |
| <b>Combined error:</b>                     | ±0.1 % RL  |
| <b>Repeatability:</b>                      | ± 0.05 % RL  |
| <b>Creep (20 minutes):</b>                 | ±0.03 % RL   |
| <b>Safe overload:</b>                      | 150 % RL   |
| <b>Ultimate overload:</b>                  | > 300 % RL   |
| <b>Material:</b>                           | Stainless steel  |
| <b>Degree of protection:</b>               | IP65   |
| <b>Deflection:</b>                         | 0.3 mm   |
| <b>Compensated Temperature:</b>            | -10 ÷ +50 °C   |
| <b>Temperature range:</b>                  | -20 ÷ +65 °C   |
| <b>Temperature effect on zero balance:</b> | ±0.005 % RO/°C   |
| <b>Temperature effect on output:</b>       | ± 0.005 % output/°C                                    |
| <b>Rated output RO:</b>                    | 2 mV/V ±0.25%  |
| <b>Zero balance:</b>                       | ±1 % RO  |
| <b>Insulation resistance:</b>              | > 5000 M Ohm   |
| <b>Input resistance:</b>                   | 350 ±20 Ohm  |
| <b>Output resistance:</b>                  | 350 ±5 Ohm   |
| <b>Recommended input:</b>                  | 5 ÷ 12 Vdc/Vac   |

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| RANGE     | A   | ØB  | ØC  | D  | E  | R   |
|-----------|-----|-----|-----|----|----|-----|
| 2-10 t    | 104 | 52  | 30  | 6  | 42 | 180 |
| 20-30 t   | 105 | 52  | 30  | 8  | 42 | 200 |
| 40-60 t   | 120 | 76  | 47  | 8  | 53 | 180 |
| 100 t     | 135 | 82  | 58  | 8  | 56 | 400 |
| 150-200 t | 160 | 125 | 87  | 8  | 77 | 400 |
| 250 t     | 200 | 140 | 100 | 10 | 86 | 450 |

| RANGE     | A   | B   | C   | ØD   | E   | F   | G   | H    | K  |
|-----------|-----|-----|-----|------|-----|-----|-----|------|----|
| 2-10 t    | 80  | 80  | 120 | 6.5  | 68  | 68  | 60  | 8    | 10 |
| 20-30 t   | 100 | 100 | 140 | 10.5 | 80  | 80  | 70  | 17.5 | 20 |
| 40-60 t   | 100 | 100 | 160 | 10.5 | 80  | 80  | 80  | 17.5 | 23 |
| 100 t     | 120 | 120 | 200 | 10.5 | 100 | 100 | 100 | 32.5 | 35 |
| 150-200 t | 150 | 150 | 250 | 12.5 | 125 | 125 | 125 | 45   | 49 |
| 250 t     | 190 | 190 | 310 | 15   | 160 | 160 | 155 | 55   | 60 |

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