

General information

PWS320260619

The universal CVF load cell is made of stainless steel and it has excellent linearity and precision characteristics, it has an overload resistance of over 300% and a watertight protection for use in harsh environmental conditions. The CVF cell is designed to withstand side loads and it is able to work both in traction and compression. This load cell CVF is also available in a special high temperature version and can be customized according to customer needs.



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](#)

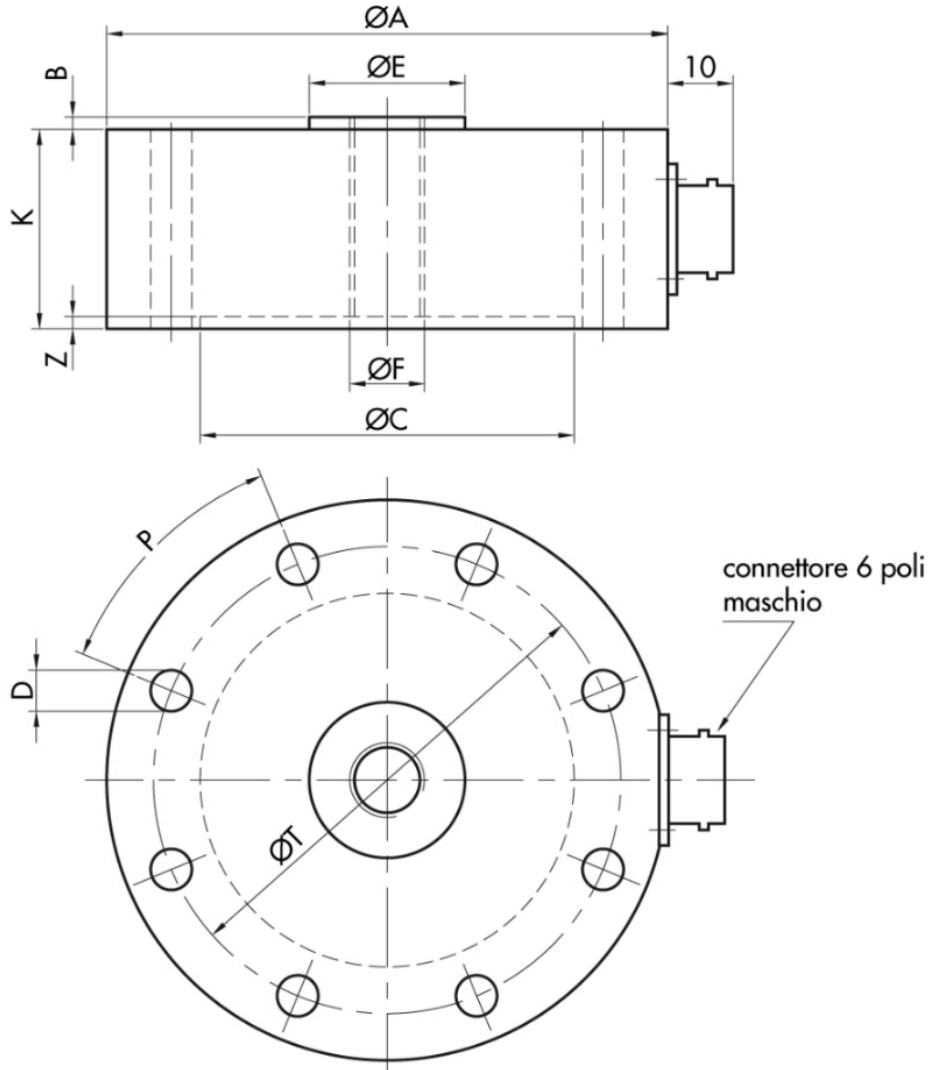
All indicated data may be changed without notice.
All the measures indicated are expressed in millimeters (mm).

Technical specifications

PWS320260619

| | |
|--|---|
| Rated load RL: | 0.5 ÷ 5000 kN |
| Combined error: | ±0.05 % RO |
| Repeatability: | ±0.02 % RO |
| Creep (20 minutes): | ±0.02 % RO |
| Safe overload: | 150 % RL |
| Ultimate overload: | > 300 % RL |
| Material: | Stainless steel AISI 17-4PH |
| Degree of protection: | IP65 |
| Deflection: | 0.2 mm |
| Compensated Temperature: | -10 ÷ +50 °C |
| Temperature range: | -20 ÷ +70 °C |
| Temperature effect on zero balance: | < ±0.005 % RO/°C |
| Temperature effect on output: | < ±0.005 % RO/°C |
| Rated output RO: | 2.0 mV/V ±0.1 % |
| Zero balance: | < ±1.5 % RO |
| Insulation resistance: | > 5000 MOhm |
| Input resistance: | 700 ± 20 Ohm (350 Ohm carrying capacity 1000÷5000 kN) |
| Output resistance: | 700 ±5 Ohm (350 Ohm capacity 1000÷5000 kN) |
| Recommended input: | 2 ÷ 15 Vdc/ac |

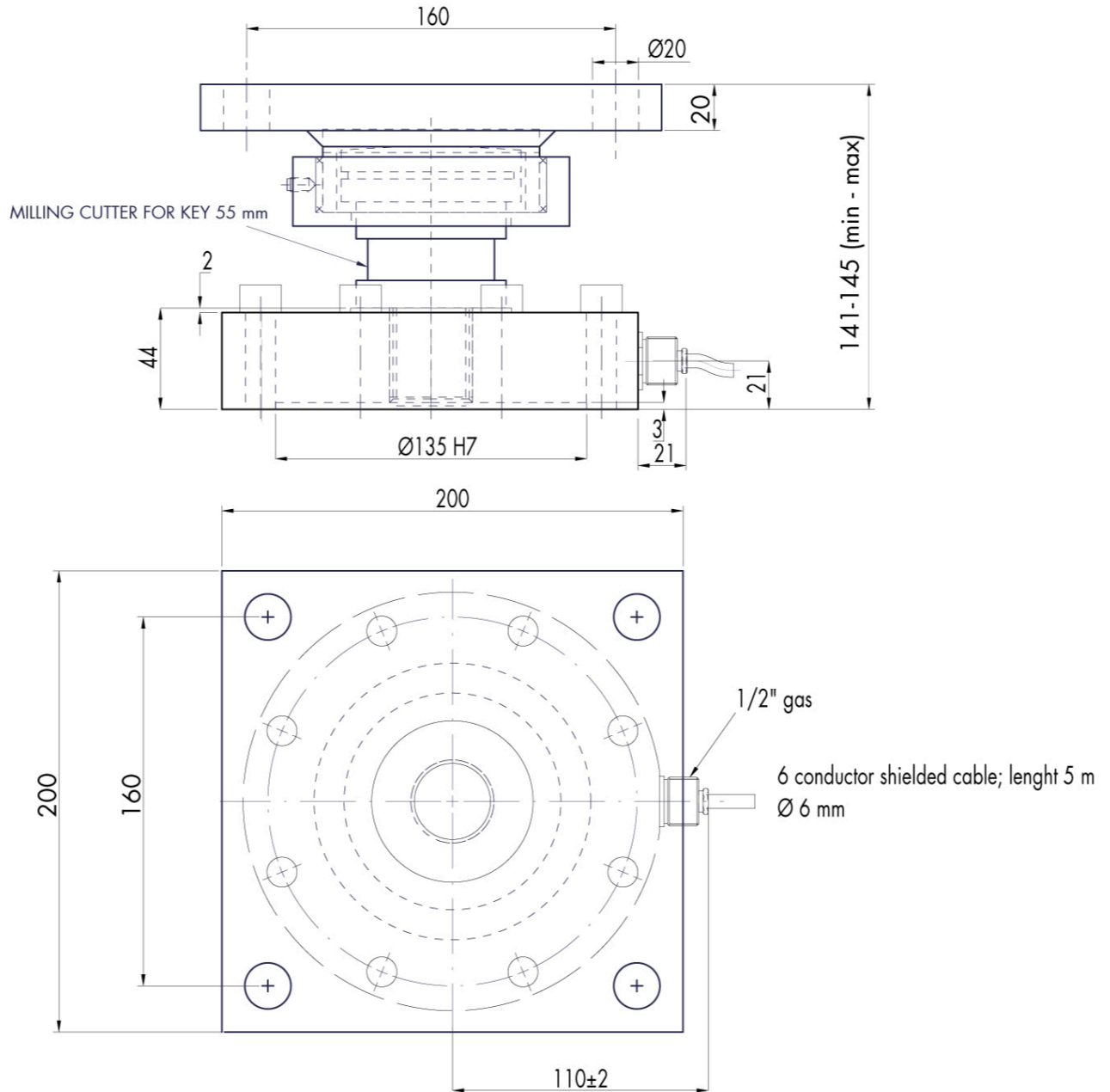
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| RANGE kN | ØA | B | ØC | ØD | ØE | ØF | K | ØT | P | Z |
|----------|-------|---|-----|-------|-----|----------|-----|-----|-----------|---|
| 0.5÷10 | 90 | 2 | 60 | 4-6.6 | 25 | M12x1.75 | 32 | 75 | 4x90° | 2 |
| 20÷50 | 150 | 2 | 105 | 8-11 | 55 | M24x2 | 38 | 130 | 8x45° | 2 |
| 100÷200 | 181.5 | 2 | 135 | 8-13 | 70 | M36x3 | 42 | 160 | 8x45° | 3 |
| 500 | 240 | 2 | 160 | 12-17 | 90 | M45x3 | 60 | 200 | 12x30° | 3 |
| 1000 | 295 | 5 | 200 | 16-21 | 127 | M80x4 | 100 | 250 | 16x22°30' | 4 |
| 2000 | 390 | 3 | 270 | 24-26 | 190 | M120x4 | 120 | 330 | 24x15° | 4 |
| 5000 | 447 | 3 | 330 | 24-32 | 250 | M180x6 | 160 | 390 | 24x15° | 4 |

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

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SPECIAL MOUNTING ASSEMBLY FOR CVF 200 kN


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