

General information

PWS120251215

The compression load cell 220 has been designed to operate in difficult and dangerous environments and it is suitable for weighing hoppers, tanks, silos and trucks. The load cell 220 is made of stainless steel and has a maximum capacity of 50 tons. The compression load cell 220 is used in industrial weighing and one of its strength is the easy installation.



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](#)

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

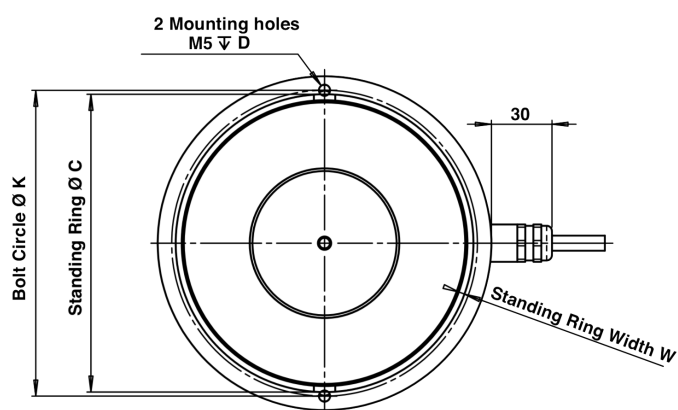
PWS120251215

| | |
|--|---|
| Rated Load (RL): | 5, 10, 20, 30, 50 t |
| Combined error: | 0.02 % RO |
| Repeatability: | ±0.01 % RO |
| Creep (30 minutes): | ±0.0170% on applied load |
| Safe overload: | 150 % RL |
| Ultimate overload: | 300 % RL |
| Material: | Stainless steel |
| Degree of protection: | IP68 |
| Accuracy class: | 3000 OIML, NTEP |
| Compensated Temperature: | -10 ÷ +40 °C |
| Temperature range: | -30 ÷ +70 °C |
| Temperature effect on zero balance: | 0.0010 % RO/°C |
| Temperature effect on output: | 0.0010 % on output/°C |
| Rated output RO: | 2 mV/V ± 0.1% |
| Zero balance: | ±2 % RO |
| Insulation resistance: | > 2000 M Ohm |
| Input resistance: | 1065 ±60 Ohm |
| Output resistance: | 1025 ±20 Ohm |
| Recommended input: | 5 ÷ 15 Vdc/ac |
| Maximum supply voltage: | 20 Vdc/ac |
| Y = Emax/Vmin: | 14000 |
| Max number of intervals: | 3000 |
| Cable Length: | 5m (5t), 10m (10 & 20t), 20m (30 & 50t) |

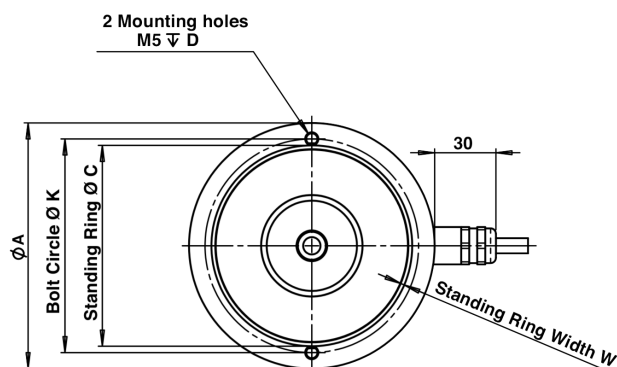
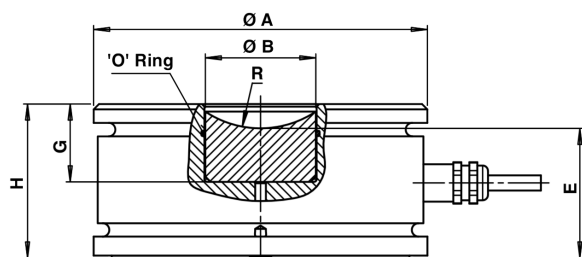
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Compression load cell **Tedea 220**

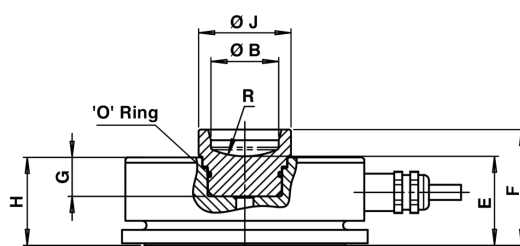
available with certification • GOST • EAC • ATEX • OIML • NTEP • FM



20 t, 30 t, 50 t



5 t, 10 t



| CAPACITY | A | B | C | D | E | F | G | H | J | K | W | R |
|----------|-----|----|-----|---|----|----|----|----|----|-----|---|----|
| 5 t | 80 | 25 | 71 | 7 | 34 | 43 | 20 | 30 | 35 | 70 | 1 | 31 |
| 10 t | 92 | 25 | 75 | 6 | 34 | 43 | 15 | 33 | 35 | 80 | 2 | 31 |
| 20÷30 t | 110 | 28 | 101 | 8 | 39 | - | 26 | 50 | - | 102 | 2 | 31 |
| 50 t | 125 | 41 | 112 | 8 | 49 | - | 29 | 58 | - | 115 | 2 | 37 |

Wiring Schematic Diagram

| | |
|------------|-------|
| +VE INPUT | Blue |
| +VE SENSE | Green |
| +VE OUTPUT | White |
| -VE INPUT | Black |
| -VE SENSE | Grey |
| -VE OUTPUT | Red |

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