



Capacity from 50 kg to 300 kg

- AISI 420 STAINLESS STEEL
- COMBINED ERROR  $\leq \pm 0.017\%$
- IP68 PROTECTION RATING



### MOUNTING KITS



| CAPACITY | kg | ACCURACY CLASS<br>C3 | NET WEIGHT (kg) |
|----------|----|----------------------|-----------------|
| 50       |    | •                    | 0.5             |
| 75       |    | •                    | 0.5             |
| 150      |    | •                    | 0.5             |
| 300      |    | •                    | 0.5             |

### CERTIFICATIONS

- OIML R60 C3
- Complies with the Eurasian Customs Union regulations
- Equivalent of the CE marking for the United Kingdom

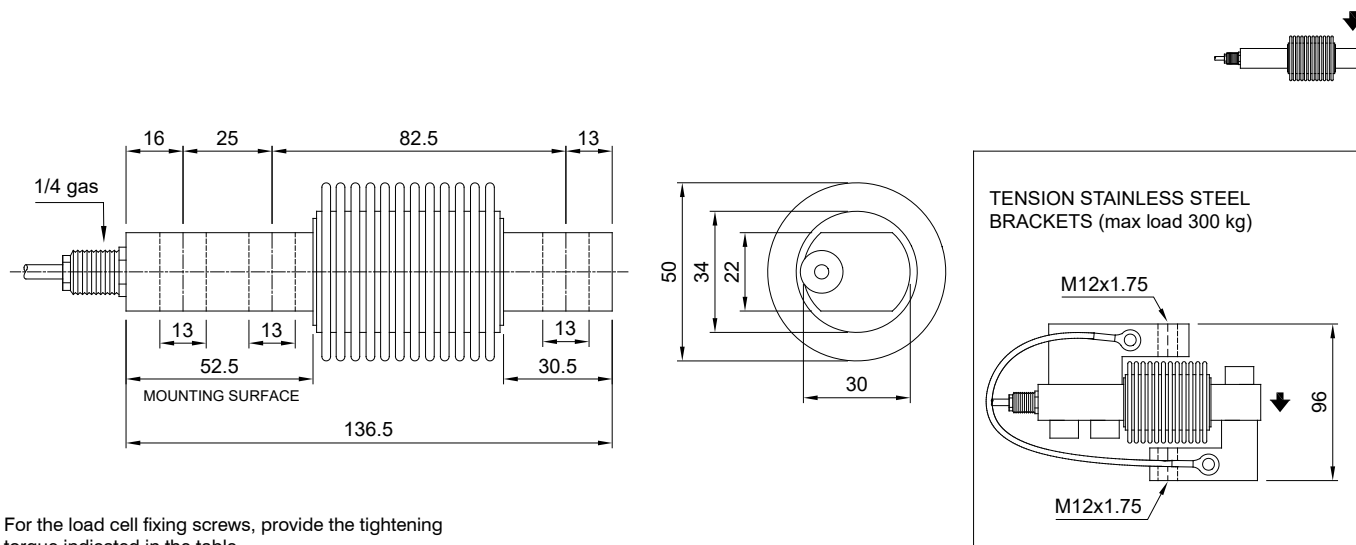
#### CERTIFICATIONS ON REQUEST

|  |                                                                                                   |
|--|---------------------------------------------------------------------------------------------------|
|  | Calibration report                                                                                |
|  | ATEX (zone 2-22)                                                                                  |
|  | Complies with the Eurasian Customs Union regulations for use in potentially explosive atmospheres |
|  | Complies with Chinese market regulations for use in potentially explosive atmospheres             |

### COMPLEMENTARY ACCESSORIES

| DESCRIPTION                                                                      | CODE      |
|----------------------------------------------------------------------------------|-----------|
| <p>Pair of tension stainless steel brackets.<br/>Maximum static load: 300 kg</p> | STAFFEFCA |

### DIMENSIONS (mm)



For the load cell fixing screws, provide the tightening torque indicated in the table

| Screw             | M12   |       |
|-------------------|-------|-------|
| Screw class       | 6.8   | 8.8   |
| Tightening torque | 50 Nm | 79 Nm |

### TECHNICAL FEATURES

|                                                  |                          |  |  |
|--------------------------------------------------|--------------------------|--|--|
| Material                                         | AISI 420 stainless steel |  |  |
| OIML R60 Accuracy class • Verification intervals | C3 • 3000                |  |  |
| Nominal load (E max)                             | 50 - 75 -150 - 300 kg    |  |  |
| Minimum verification interval (V min)            | E max / 10000            |  |  |
| Combined error                                   | ≤ ±0.017%                |  |  |
| Protection rating                                | IP68                     |  |  |

|                                     |                 |                                     |           |
|-------------------------------------|-----------------|-------------------------------------|-----------|
| Rated output                        | 2.0 mV/V ±0.1%  | Input resistance                    | 400 Ω ±20 |
| Temperature effect on zero          | 0.002% °C       | Output resistance                   | 350 Ω ±3  |
| Temperature effect on span          | 0.0012% °C      | Zero balance                        | ±2%       |
| Compensated temperature range       | -10 °C / +40 °C | Insulation resistance               | >5000 MΩ  |
| Operating temperature range         | -20 °C / +50°C  | Safe overload (% of full scale)     | 150%      |
| Creep at nominal load in 30 minutes | 0.016%          | Ultimate overload (% of full scale) | 200%      |
| Max supply voltage without damage   | 15 V            | Deflection at nominal load          | 0.4 mm    |

### ELECTRICAL CONNECTIONS

|                |                          |
|----------------|--------------------------|
| Cable length   | 3 m                      |
| Cable diameter | 4 mm                     |
| Cores          | 4 x 0.22 mm <sup>2</sup> |



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