



Manufactured according to OIML R60 standards

Capacity from 500 kg to 200000 kg



- 17-4 PH STAINLESS STEEL
- BIDIRECTIONAL TENSION AND COMPRESSION
- COMBINED ERROR  $\leq \pm 0.05\%$
- PROTECTION CLASS: IP68 (500 - 60000 kg) - IP67 (100000 - 200000 kg)

| CAPACITY | kg | NET WEIGHT (kg) | CODE     |
|----------|----|-----------------|----------|
| 500      |    | 1.2             | CL500    |
| 1000     |    | 1.2             | CL1000   |
| 2000     |    | 1.2             | CL2000   |
| 5000     |    | 1.7             | CL5000   |
| 10000    |    | 1.8             | CL10000  |
| 20000    |    | 4.8             | CL20000  |
| 30000    |    | 5.3             | CL30000  |
| 60000    |    | 5.4             | CL60000  |
| 100000   |    | 12              | CL100000 |
| 150000   |    | -               | CL150000 |
| 200000   |    | -               | CL200000 |

### CERTIFICATIONS

- EAC** Complies with the Eurasian Customs Union standards
- UKCA** Equivalent of the CE marking for the United Kingdom

#### CERTIFICATIONS ON REQUEST

- Accredia traceable calibration report
- ATEX II 1GD (zone 0-1-2-20-21-22) (CE - UKCA)
- IECEx (zone 0-1-2-20-21-22)
- EAC Ex** Complies with the Eurasian Customs Union standards for use in potentially explosive atmospheres

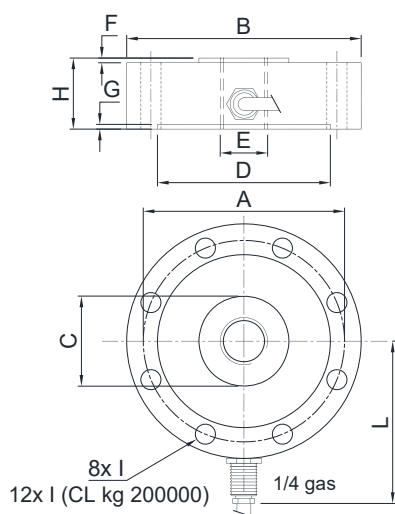
### OPTIONS ON REQUEST

#### DESCRIPTION



Two redundant strain gauges Wheatstone bridges (350  $\Omega$ ) with two output cables; for dual safety systems.

## DIMENSIONS (mm)



|        | kg 500<br>kg 1000<br>kg 2000 | kg 5000<br>kg 10000 | kg 20000<br>kg 30000<br>kg 60000 | kg 100000 | kg 150000 | kg 200000 |
|--------|------------------------------|---------------------|----------------------------------|-----------|-----------|-----------|
| A      | Ø 85                         | Ø 94                | Ø 136                            | Ø 175     | Ø 213     | Ø 254     |
| B      | Ø 99                         | Ø 109               | Ø 164                            | Ø 219     | Ø 249     | Ø 299     |
| C      | Ø 31                         | Ø 38                | Ø 70                             | Ø 88      | Ø 140     | Ø 170     |
| D      | Ø 72                         | Ø 78                | Ø 113                            | Ø 135     | Ø 176     | Ø 210     |
| E      | M20 x 1.5                    | M24 x 2             | M48 x 3                          | M64 x 4   | M72 x 4   | M90 x 6   |
| F      | 2                            | 2                   | 5                                | 5         | 5         | 5         |
| G      | 1.5                          | 1.5                 | 2                                | 3         | 3         | 3         |
| H      | 30                           | 35                  | 50                               | 70        | 70        | 80        |
| I      | Ø 8.5                        | Ø 8.5               | Ø 16.5                           | Ø 26      | Ø 26      | Ø 26      |
| L      | 68.5                         | 73.5                | 101                              | 128.5     | 143.5     | 168.5     |
| Weight | 1.1                          | 1.4                 | 5                                | 11        | 16        | 26        |



## TECHNICAL FEATURES

|                                     |                                                                                        |                                     |            |
|-------------------------------------|----------------------------------------------------------------------------------------|-------------------------------------|------------|
| Material                            | 17-4 PH stainless steel                                                                |                                     |            |
| Nominal load (E max)                | 500 - 1000 - 2000 - 5000 - 10000 - 20000 - 30000 - 60000 - 100000 - 150000 - 200000 kg |                                     |            |
| Combined error                      | ≤ ±0.05%                                                                               |                                     |            |
| Protection class                    | IP68 (500 - 60000 kg), IP67 (100000 - 200000 kg)                                       |                                     |            |
| Rated output                        | 2 mV/V ± 0.3%                                                                          | Input resistance                    | 700 Ω ± 20 |
| Temperature effect on zero          | 0.005% °C                                                                              | Output resistance                   | 700 Ω ± 5  |
| Temperature effect on span          | 0.005% °C                                                                              | Zero balance                        | ± 1%       |
| Compensated temperature range       | -20 °C / +70 °C                                                                        | Insulation resistance               | > 5000 MΩ  |
| Operating temperature range         | -30 °C / +90 °C                                                                        | Safe overload (% of full scale)     | 150%       |
| Creep at nominal load in 30 minutes | 0.3%                                                                                   | Ultimate overload (% of full scale) | 300%       |
| Max supply voltage without damage   | 15 V                                                                                   | Deflection at nominal load          | 0.3 mm     |

## ELECTRICAL CONNECTIONS

|                |                          |
|----------------|--------------------------|
| Cable length   | 5 m                      |
| Cable diameter | 5 mm                     |
| Cores          | 6 x 0.14 mm <sup>2</sup> |

