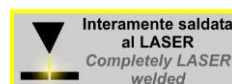
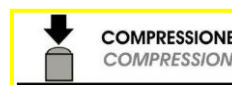


## Accessori Accessories

A

- ① WIMOD  
Trasmissione **WIRELESS**  
*WIRELESS transmission*

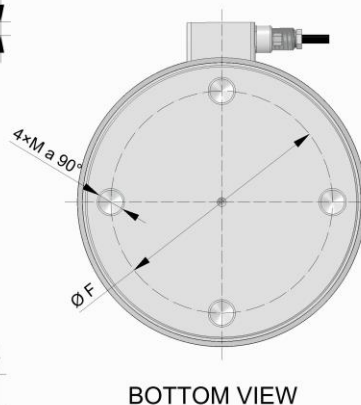
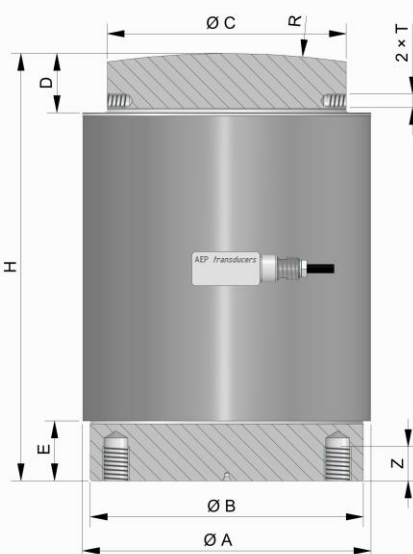
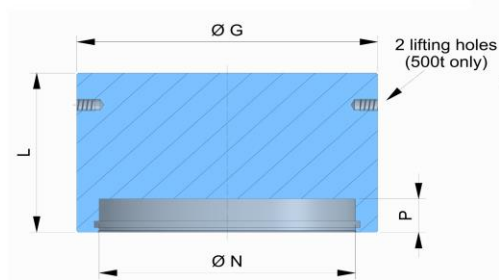


## Dimensioni Dimensions

[mm]



- ② Testa di carico / Loading head



| Load               | ØA  | ØB  | ØC  | D  | E  | F   | ØG  | H   | L   | M   | ØN  | P  | R   | T  | Z  |
|--------------------|-----|-----|-----|----|----|-----|-----|-----|-----|-----|-----|----|-----|----|----|
| 30t<br>60t<br>100t | 102 | 94  | 76  | 15 | 15 | 70  | 102 | 165 | 65  | M8  | 79  | 12 | 200 | /  | 16 |
| 200t<br>300t       | 129 | 122 | 106 | 20 | 14 | 90  | 129 | 215 | 80  | M12 | 109 | 17 | 350 | /  | 18 |
| 500t               | 168 | 160 | 140 | 35 | 35 | 130 | 168 | 250 | 100 | M16 | 143 | 21 | 500 | M8 | 20 |

**Dati Tecnici****Technical Data**

| CLASSE DI PRECISIONE: <b>OIML R60</b>                | ACCURACY CLASS: <b>OIML R60</b>                   | <b>C1</b>                      |                    | <b>C2</b> |  |
|------------------------------------------------------|---------------------------------------------------|--------------------------------|--------------------|-----------|--|
| DIVISIONI LEGALI                                     | LEGAL DIVISIONS                                   | 1000                           |                    | 2000      |  |
| CARICO NOMINALE ( $E_{max}$ )                        | NOMINAL LOAD ( $E_{max}$ )                        | 30, 60, 100, 200, 300, 500 t   |                    |           |  |
| INTERVALLO MIN. DI VERIFICA ( $V_{min}$ )            | MIN. VERIFICATION INTERVAL ( $V_{min}$ )          | $E_{max} / 10000$              |                    |           |  |
| ERRORE COMBINATO                                     | COMBINED ERROR                                    | $\leq \pm 0.045\%$             | $\leq \pm 0.023\%$ |           |  |
| NON RIPETIBILITA'                                    | NON-REPEATABILITY                                 | $\leq \pm 0.015\%$             | $\leq \pm 0.010\%$ |           |  |
| RITORNO A ZERO dopo 30 min.                          | ZERO RETURN over 30 min.                          | $\leq \pm 0.036\%$             | $\leq \pm 0.026\%$ |           |  |
| CREEP al carico nominale:                            | CREEP at nominal load:                            |                                |                    |           |  |
| a) dopo 30 min.                                      | a) over 30 min.                                   | $\leq \pm 0.035\%$             | $\leq \pm 0.028\%$ |           |  |
| b) dopo 20 e 30 min.                                 | b) over 20 and 30 min.                            | $\leq \pm 0.010\%$             | $\leq \pm 0.008\%$ |           |  |
| EFFETTO DELLA TEMPERATURA (10 °C)                    | TEMPERATURE EFFECT (10 °C)                        |                                |                    |           |  |
| a) sullo zero                                        | a) on zero                                        | $\leq \pm 0.030\%$             | $\leq \pm 0.024\%$ |           |  |
| b) sulla sensibilità                                 | b) on sensitivity                                 | $\leq \pm 0.030\%$             | $\leq \pm 0.017\%$ |           |  |
| SENSIBILITA' NOMINALE                                | NOMINAL SENSITIVITY                               | 2mV/V                          |                    |           |  |
| TOLLERANZA DI CALIBRAZIONE                           | CALIBRATION TOLERANCE                             | $\leq \pm 0.1\%$               |                    |           |  |
| CARICO NOMINALE                                      | NOMINAL LOAD                                      | <b>30, 60, 100t</b>            |                    |           |  |
| Resistenza di ingresso                               | Input resistance                                  | 700 $\pm$ 2 $\Omega$           |                    |           |  |
| Resistenza di uscita                                 | Output resistance                                 | 700 $\pm$ 2 $\Omega$           |                    |           |  |
| CARICO NOMINALE                                      | NOMINAL LOAD                                      | <b>200, 300, 500t</b>          |                    |           |  |
| Resistenza di ingresso                               | Input resistance                                  | 350 $\pm$ 2 $\Omega$           |                    |           |  |
| Resistenza di uscita                                 | Output resistance                                 | 350 $\pm$ 2 $\Omega$           |                    |           |  |
| RESISTENZA DI ISOLAMENTO                             | INSULATION RESISTANCE                             | > 5 G $\Omega$                 |                    |           |  |
| BILANCIAMENTO DI ZERO                                | ZERO BALANCE                                      | $\leq \pm 1\%$ FS              |                    |           |  |
| ALIMENTAZIONE DI RIFERIMENTO                         | RECOMMENDED SUPPLY VOLTAGE                        | 10 V                           |                    |           |  |
| ALIMENTAZIONE NOMINALE                               | NOMINAL SUPPLY VOLTAGE                            | 1÷15 V                         |                    |           |  |
| ALIMENTAZIONE MAX.                                   | MAXIMUM SUPPLY VOLTAGE                            | 18 V                           |                    |           |  |
| VALORI MECCANICI LIMITE riferiti al carico nominale: | MECHANICAL LIMIT values referred to nominal load: |                                |                    |           |  |
| a) carico minimo                                     | a) minimum load                                   | 0%                             |                    |           |  |
| b) carico di servizio                                | b) service load                                   | 120%                           |                    |           |  |
| c) carico limite                                     | c) max permissible load                           | 150%                           |                    |           |  |
| d) carico di rottura                                 | d) breaking load                                  | > 300%                         |                    |           |  |
| e) carico dinamico limite                            | e) max transverse load                            | 50%                            |                    |           |  |
| TEMPERATURA DI RIFERIMENTO                           | REFERENCE TEMPERATURE                             | +23°C                          |                    |           |  |
| CAMPO NOMINALE DI TEMPERATURA                        | TEMPERATURE NOMINAL RANGE                         | -10/+40 °C                     |                    |           |  |
| TEMPERATURA DI ESERCIZIO                             | WORKING TEMPERATURE                               | -20/+70 °C                     |                    |           |  |
| TEMPERATURA DI STOCCAGGIO                            | STORAGE TEMPERATURE                               | -20/+80 °C                     |                    |           |  |
| CARICO NOMINALE                                      | NOMINAL LOAD                                      | 30, 60, 100t                   | 200, 300t          | 500t      |  |
| PESO                                                 | WEIGHT                                            | ~ 7 kg                         | ~16 kg             | ~31kg     |  |
| CLASSE DI PROTEZIONE (EN 60529)                      | PROTECTION CLASS (EN 60529)                       | IP68                           |                    |           |  |
| MATERIALE DELLA CELLA                                | EXECUTION MATERIAL                                | Acciaio Inox / Stainless Steel |                    |           |  |
| LUNGHEZZA CAVO                                       | CABLE LENGTH                                      | 5 m (on request 10 m)          |                    |           |  |

Accelerazione di gravità  $g=9.80434 \text{ m/s}^2$  / Acceleration of gravity  $g=9.80434 \text{ m/s}^2$ .

## OPZIONI

Da acquistare separatamente

## OPTIONS

To be purchased separately

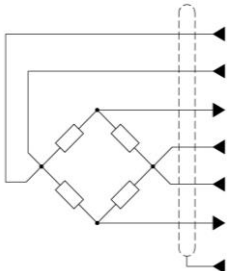
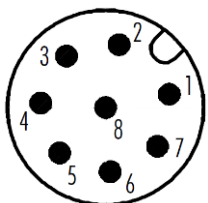
|                                                                                   | CODE            | (1) OPZIONE                                                                                        | (1) OPTION                                                                                             |
|-----------------------------------------------------------------------------------|-----------------|----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
|  | <b>CMIL7MF</b>  | Uscita diretta connettore <b>MIL7M</b>                                                             | <i>Direct output connector <b>MIL7M</b></i>                                                            |
|  | <b>CMIL7FV5</b> | CONNETTORE <b>MIL7F</b> femmina 7 poli dritto completo di <b>CAVO</b> PVC schermato lunghezza 5 m. | <i>Female 7 poles straight <b>MIL7F</b> CONNECTOR complete PVC <b>CABLE</b>, shielded, length 5 m.</i> |

|                                                                                    | CODE             | (2) OPZIONE                                                                                        | (2) OPTION                                                                                             |
|------------------------------------------------------------------------------------|------------------|----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
|   | <b>CONN12MF</b>  | Uscita diretta connettore <b>M12</b><br>Classe di protezione: IP65                                 | <i>Direct output connector <b>M12</b><br/>Protection class: IP65</i>                                   |
|  | <b>CONN12FV5</b> | CONNETTORE <b>M12x1</b> femmina 8 poli dritto completo di <b>CAVO</b> PVC schermato lunghezza 5 m. | <i>Female 8 poles straight <b>M12x1</b> CONNECTOR complete PVC <b>CABLE</b>, shielded, length 5 m.</i> |

## Collegamenti Elettrici *Electrical Connections*

**USCITA STANDARD:** cavo schermato PVC 105°C, Ø 5.2 mm a 6 × Ø 0.25mm<sup>2</sup> conduttori stagnati.

**STANDARD OUTPUT:** PVC 105°C shielded cable, Ø 5.2mm with 6 × Ø 0.25mm<sup>2</sup> tinned conductors.

| Load cell                                                                           | OUTPUT                                                                                                                        | CABLE                                                                                                        | CAVO                                                                                                              | MIL7M <sup>(1)</sup> (optional)                                                                                                                              | M12 <sup>(2)</sup> (optional)                                                                                                                                 |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <b>EXCITATION +</b><br><b>SENSE +</b><br><b>OUTPUT +</b><br><b>EXCITATION -</b><br><b>SENSE -</b><br><b>OUTPUT -</b><br>----- | <b>Red</b><br><b>Orange</b><br><b>White</b><br><b>Black</b><br><b>Blue</b><br><b>Yellow</b><br><b>Shield</b> | <b>Rosso</b><br><b>Arancione</b><br><b>Bianco</b><br><b>Nero</b><br><b>Blu</b><br><b>Giallo</b><br><b>Schermo</b> | C<br>F<br>A<br>B<br>G<br>D<br>E<br><br><i>Front view male receptacle</i> | 1<br>5<br>3<br>2<br>6<br>4<br>8<br><br><i>Front view male receptacle</i> |

Schermo collegato al corpo della cella di carico.

*Shield connected to the body of the load cell.*

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