

Accessori Accessories

A



- ✓ Snodi sferici per tarature in trazione e compressione.
- ✓ Snodi sferici per la taratura di macchine prova materiali attrezzate con pinze per afferraggio tondini.
- ✓ Ball joints for calibration in tension and compression.
- ✓ Ball joints for the calibration of testing machines equipped with clamps grip rods.



Certificato di Taratura ACCREDIA
A RICHIESTA

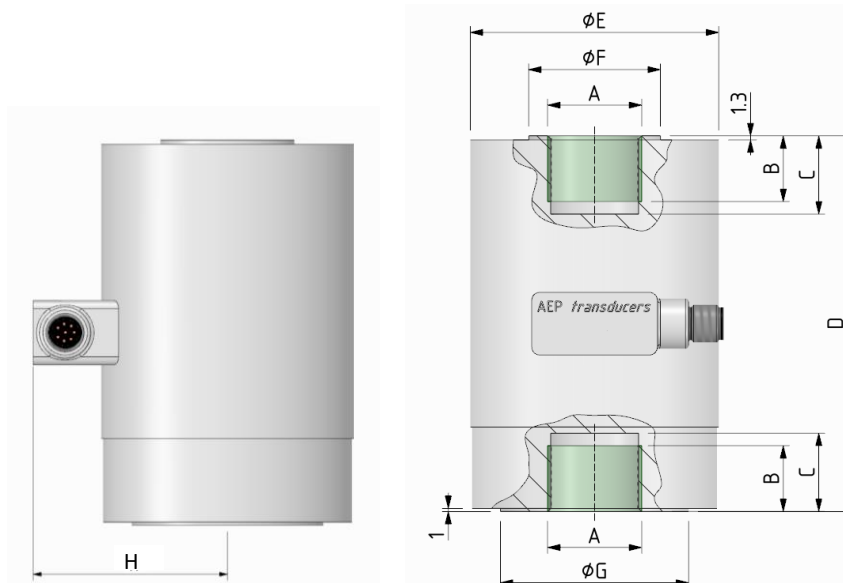
LAT N° 093
Calibration Centre
The products are NOT covered by accreditation

ACCREDIA Calibration Certificate
ON REQUEST



Dimensioni Dimensions

[mm]



CODE (Class 00)	CODE (Class 0.5)	CODE (Class 1)	LOAD	A	B	C	D	ØE	ØF	ØG	H
CLB30KNI00	CLB30KNI0	CLB30KNI1	30 kN	M20x1.5	19	23	120	79	42	60	60
CLB50KNI00	CLB50KNI0	CLB50KNI1	50 kN	M30x2	21	25	120	79	42	60	60
⁽¹⁾ CLB100KNI00	CLB100KNI0	CLB100KNI1	100 kN								
⁽¹⁾ CLB200KNI00	CLB200KNI0	CLB200KNI1	200 kN	M42x3	30	32	150	102	60	70	72
⁽¹⁾ CLB300KNI00	CLB300KNI0	CLB300KNI1	300 kN								
⁽¹⁾ CLB500KNI00	CLB500KNI0	CLB500KNI1	500 kN	M42x3	32	37	210	102	60	80	72
⁽¹⁾ CLB600KNI00	CLB600KNI0	CLB600KNI1	600 kN	M56x3	35	40.5	210	102	67	80	72

⁽¹⁾ La taratura ACCREDIA NON può essere eseguita dal Centro LAT N° 093, a richiesta può essere commissionata ad altri Centri di taratura accreditati.
ACCREDIA certification can NOT be performed by LAT n° 93 Laboratory, on request it can be ordered to other Accredited Laboratories.

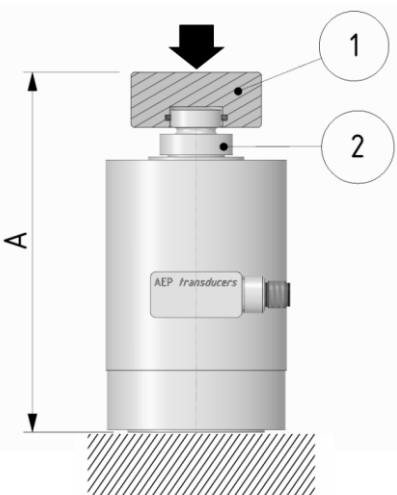
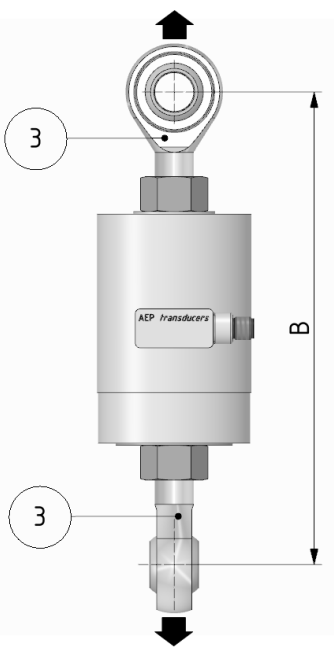
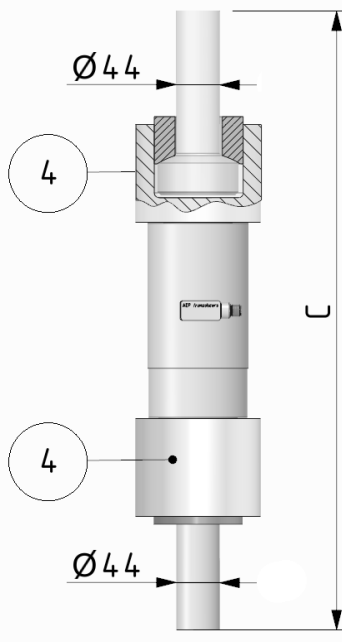
Dati Tecnici
Technical Data


Classe di precisione: ISO 376	Accuracy class: ISO 376	00	0.5	1
CARICO NOMINALE	NOMINAL LOAD	30- 50 - 100 - 200 - 300 - 500 - 600 kN		
ERRORI RELATIVI (al valore letto)	RELATIVE ERRORS (at reading)			
a) ripetibilità 0°-120°-240° (b)	a) repeatability 0°-120°-240° (b)	≤±0.050% ⁽¹⁾	≤±0.085% ⁽¹⁾	≤±0.150% ⁽¹⁾
b) interpolazione (fc)	b) interpolation (fc)	≤±0.020% ⁽¹⁾	≤±0.040% ⁽¹⁾	≤±0.055% ⁽¹⁾
c) reversibilità (u)	c) reversitivity (u)	≤±0.070% ⁽¹⁾	≤±0.135% ⁽¹⁾	≤±0.250% ⁽¹⁾
d) zero (fo)	d) zero (fo)	≤±0.010% F.S.	≤±0.020% F.S.	≤±0.020% F.S.
LINEARITA'	LINEARITY	≤±0.03% F.S.		
ISTERESI	HYSTERESIS	≤±0.03% F.S.		
EFFETTO DELLA TEMP. (10°C)	TEMPERATURE EFFECT (10°C)			
a) sullo zero	a) on zero	≤ ±0.030% F.S.		
b) sulla sensibilità	b) on sensitivity	≤ ±0.011% F.S.		
SENSIBILITA' NOMINALE	NOMINAL SENSITIVITY	2 mV/V		
TOLLERANZA DI CALIBRAZIONE	SENSIVITY TOLERANCE	≤ ±0.1% F.S.		
CARICO NOMINALE	NOMINAL LOAD	30, 50, 100, 200 kN		
Resistenza di ingresso	Input resistance	350 ± 2Ω		
Resistenza di uscita	Output resistance	350 ± 2Ω		
CARICO NOMINALE	NOMINAL LOAD	300, 500, 600 kN		
Resistenza di ingresso	Input resistance	700 ± 2Ω		
Resistenza di uscita	Output resistance	700 ± 2Ω		
RESISTENZA DI ISOLAMENTO	INSULATION RESISTANCE	> 5 GΩ		
BILANCIAMENTO DI ZERO	ZERO BALANCE	≤ ± 1% F.S.		
ALIMENTAZIONE DI RIFERIMENTO	RECOMENDED 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 di servizio	a) service load	120%		
b) carico limite	b) max permissible load	150%		
c) carico di rottura	c) breaking load	> 300%		
d) massimo carico trasversale	d) max transverse load	50%		
e) carico dinamico limite	e) max permissible dynamic load	50%		
FRECCIA MAX. AL CARICO NOMINALE	DISPLACEMENT AT NOMINAL LOAD	~ 0.3 mm		
TEMPERATURA DI RIFERIMENTO	REFERENCE TEMPERATURE	+23°C		
CAMPO NOMINALE DI TEMPERATURA	TEMPERATURE NOMINAL RANGE	-10 / +40 °C		
TEMPERATURA DI ESERCIZIO	SERVICE TEMPERATURE	-10 / +70 °C		
TEMPERATURA DI STOCCAGGIO	STORAGE TEMPERATURE	-20 / +80 °C		
PESO	WEIGHT	30 ... 100 kN ~ 2.4 kg	200, 300 kN ~ 4.6 kg	500, 600 kN ~ 8.5 kg
CLASSE DI PROTEZIONE (EN 60529)	PROTECTION CLASS (EN 60529)	IP67		
MATERIALE DINAMOMETRO	EXECUTION MATERIAL	Acciaio Inox / Stainless Steel		
USCITA CONNETTORE	CONNECTOR OUTPUT	M12 8 Poles Male connector		
TESTE A SNODO SFERICO CONSIGLIATE	RECOMMENDED KUNCKLE JOINTS	DURBAL EM20 - EM30 – EM42		

⁽¹⁾ Errori percentuali calcolati al valore letto, min. 1/10 del carico nominale / Percentual errors referred to reading, min. 1/ 10 of nominal load.
A richiesta classificazioni secondo **ASTM E74** / Classifications according **ASTM E74** on request.

Applicazioni

Applications

COMPRESIONE <i>COMPRESSION</i>	TRAZIONE <i>TENSION</i>																									
																										
<table border="1"> <tr><td>CLB 30 kN</td><td>A = 157mm</td></tr> <tr><td>CLB 50, 100 kN</td><td>A = 159mm</td></tr> <tr><td>CLB 200, 300 kN</td><td>A = 210 mm</td></tr> <tr><td>CLB 500 kN</td><td>A = 260 mm</td></tr> <tr><td>CLB 600 kN</td><td>A = 277 mm</td></tr> </table>	CLB 30 kN	A = 157mm	CLB 50, 100 kN	A = 159mm	CLB 200, 300 kN	A = 210 mm	CLB 500 kN	A = 260 mm	CLB 600 kN	A = 277 mm	<table border="1"> <tr><td>CLB 30 kN</td><td>B = ~240mm</td></tr> <tr><td>CLB 50, 100 kN</td><td>B = ~300mm</td></tr> <tr><td>CLB 200 kN</td><td>B = ~420 mm</td></tr> <tr><td>CLB 300 kN</td><td>B = ~500 mm</td></tr> <tr><td>CLB 500 kN</td><td>B = ~600 mm</td></tr> </table>	CLB 30 kN	B = ~240mm	CLB 50, 100 kN	B = ~300mm	CLB 200 kN	B = ~420 mm	CLB 300 kN	B = ~500 mm	CLB 500 kN	B = ~600 mm	<table border="1"> <tr><td>CLB 300 kN</td><td>C = ~530 mm</td></tr> <tr><td>CLB 500, 600 kN</td><td>C = ~640 mm</td></tr> </table>	CLB 300 kN	C = ~530 mm	CLB 500, 600 kN	C = ~640 mm
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Accessori Accessories

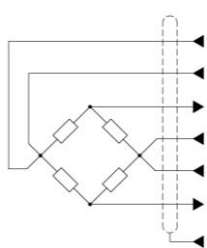
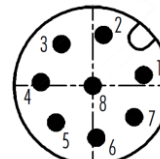
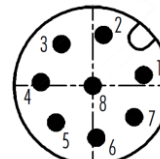
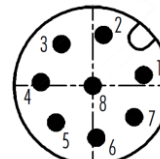


	CODE:		ACCESSORIES (optional)	ACCESSORI (opzionali)
CLB: 30 kN	CTIC22	①	Loading head.	Testa di carico
	CTS25M20	②	Spherical loading head.	Testa di carico sferica.
	CACCEM20	③	Knuckle joints.	Teste a snodo sferico
CLB: 50, 100 kN	CTIC28	①	Loading head.	Testa di carico
	CTS45M30	②	Spherical loading head.	Testa di carico sferica.
	CACCEM30	③	Knuckle joints.	Teste a snodo sferico
CLB: 200 kN	CTIC35	①	Loading head.	Testa di carico
	CTS62M42TCE	②	Spherical loading head.	Testa di carico sferica.
	CACCEM42	③	Knuckle joints.	Teste a snodo sferico
CLB: 300 kN	CTIC35	①	Loading head.	Testa di carico
	CTS62M42TCE	②	Spherical loading head.	Testa di carico sferica.
	CACCEM4230TB	③	Knuckle joints.	Teste a snodo sferico
	CAT3M42	④	Knuckle joints.	Teste a snodo sferico
CLB: 500 kN	CTIC35	①	Loading head.	Testa di carico
	CTS62M42TCE	②	Spherical loading head.	Testa di carico sferica.
	CACCEM4250TB	③	Knuckle joints.	Teste a snodo sferico
	CAT5M42	④	Knuckle joints.	Teste a snodo sferico
CLB: 600 kN	CTIC60	①	Loading head.	Testa di carico
	CTS75M56	②	Spherical loading head.	Testa di carico sferica.
	CAT6M56	④	Knuckle joints.	Teste a snodo sferico

Collegamenti Elettrici Electrical Connections

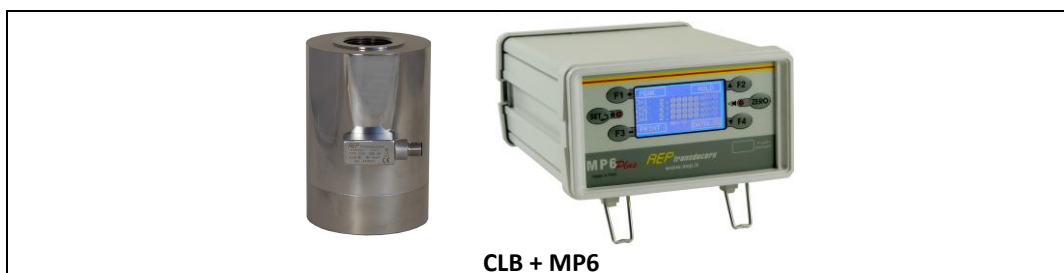
Con CONNETTORE M12x1 femmina 8 poli dritto completo di CAVO schermato PVC 105°C, Ø 5.2mm a 6 conduttori Ø0.25mm² stagnati, lunghezza 5m.
* Collegato al corpo del trasduttore.

*With female 8 poles straight M12x1 CONNECTOR complete of PVC 105°C shielded cable, Ø 5.2mm with 6 tinned Ø 0.25mm² conductors, length 5m.
Connected to the body of the transducer.

Transducer	OUTPUT	CABLE	M12 CONNECTOR									
	EXCITATION+ SENSE+ OUTPUT+ EXCITATION - SENSE- OUTPUT- <hr style="border-top: 1px dashed black;"/>	<i>Red</i> <i>Orange</i> <i>White</i> <i>Black</i> <i>Blue</i> <i>Yellow</i> <i>Shield*</i>	<table style="border-collapse: collapse;"> <tr> <td style="padding: 5px;">1</td> <td rowspan="8" style="text-align: center; vertical-align: middle;">  <i>Front view male receptacle.</i> </td> </tr> <tr><td style="padding: 5px;">5</td></tr> <tr><td style="padding: 5px;">3</td></tr> <tr><td style="padding: 5px;">2</td></tr> <tr><td style="padding: 5px;">6</td></tr> <tr><td style="padding: 5px;">4</td></tr> <tr><td style="padding: 5px;">8</td></tr> <tr><td style="padding: 5px;">7</td></tr> </table>	1	 <i>Front view male receptacle.</i>	5	3	2	6	4	8	7
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5												
3												
2												
6												
4												
8												
7												

Configurazioni tipiche

Typical configuration



AEP transducers



Dasa-Rägister
EN ISO 9001:2015
IQ-1100-01

ACCREDIA
L'ENTE ITALIANO DI ACCREDITAMENTO

LAT N° 093
Calibration Centre
The products are NOT covered by accreditation

ATEX

Production Quality Assurance Certified n° TÜV CY 17 ATEX 0205891 Q

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In order to improve the technical performances of the product, the company reserves the right to make any change without notice.