



Capacity from 500 kg to 5000 kg



- AISI 4340 NICKEL PLATED STEEL
- COMBINED ERROR $\leq \pm 0.02\%$ (0.017% C4; 0.014% C5)
- IP67 PROTECTION RATING

MOUNTING KITS



CAPACITY	kg	ACCURACY CLASS				NET WEIGHT (kg)
		C3	C4	C5		
500		•	•	•	•	0.8
1000		•	•	•	•	0.8
1500		•	•	•	•	0.9
2000		•	•	•	•	0.9
3000		•	•	•	•	1.7
5000		•	•	•	•	1.7

ON REQUEST

CERTIFICATIONS

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

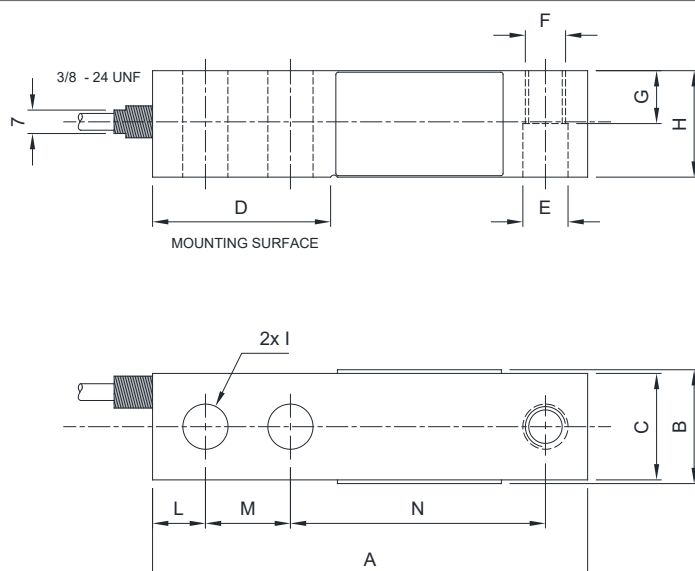
CERTIFICATIONS ON REQUEST

	Calibration report
	LAT Accredia calibration certificate ISO 376 or ASTM E74 for capacities from 1000 kg to 10000 kg
	ATEX (zone 2-22)
	ATEX/IECEx (zone 1-21)
	OIML R60 C4/C5
	Complies with the Eurasian Customs Union regulations for use in potentially explosive atmospheres
	FM HazLoc - Complies with the United States and Canada regulations for use in potentially explosive atmospheres
	Complies with Chinese market regulations for use in potentially explosive atmospheres
	NTEP - Complies with United States regulations for legal for trade use

COMPLEMENTARY ACCESSORIES

	DESCRIPTION	CODE
	Special steel block for capacities up to 2000 kg.	PIASTRINO

DIMENSIONS (mm)



	500 kg	1000 - 1500 2000 kg	3000 - 5000 kg
A	130	130	171.5
B	-	32.8	39.1
C	31.8	31.8	38.1
D	53.2	53.2	76.2
E	Ø13.5	Ø13.5	Ø19.8
F	M12x1.75	M12x1.75	M18x1.5
G	16	16	19.3
H	31.8	31.8	38.1
I	Ø13.5	Ø13.5	Ø19.8
L	15.8	15.8	19.1
M	25.4	25.4	38.1
N	76.2	76.2	95.3

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

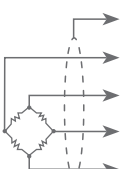
Screw	M12		M18	
Screw class	6.8	8.8	6.8	8.8
Tightening torque	50 Nm	79 Nm	205 Nm	280 Nm

TECHNICAL FEATURES

Material		AISI 4340 nickel plated steel			
OIML R60 Accuracy class • Verification intervals		C3 • 3000	C4 • 4000	C5 • 5000	
Nominal load (E max)		500 - 1000 - 1500 kg 2000 - 3000 - 5000 kg		500 - 1000 kg 1500 - 2000 kg	3000 - 5000 kg
Minimum verification interval (V min)		E max / 10000	E max / 15000	E max / 20000	E max / 18000
Combined error		≤ ±0.02%	≤ ±0.017%	≤ ±0.014%	
Protection rating		IP67			
Rated output	3 mV/V ±0.1%	Input resistance		350 Ω ±3.5	
Temperature effect on zero	0.0018% °C	Output resistance		350 Ω ±3.5	
Temperature effect on span	0.0014% °C	Zero balance		≤ ±1%	
Compensated temperature range	-10 °C / +40 °C	Insulation resistance		≥ 5000 MΩ	
Operating temperature range	-35 °C / +65 °C	Safe overload (% of full scale)		150%	
Creep at nominal load in 30 minutes	0.02%	Ultimate overload (% of full scale)		300%	
Max supply voltage without damage	18 V	Deflection at nominal load		0.4 mm	

ELECTRICAL CONNECTIONS

Cable length	4 m (500-2000 kg); 6 m (3000-5000 kg)
Cable diameter	5 mm
Cores	4 x 0.22 mm ²

	SHIELD	
	+ SIGNAL	GREEN
	+ EXCITATION	RED
	- SIGNAL	WHITE
	- EXCITATION	BLACK

The Company reserves the right to make changes to the technical data, drawings and images without notice.