FTK

BENDING BEAM AND SHEAR LOAD CELLS

LAUMAS®

BENDING BEAM: capacity from 75 kg to 300 kg

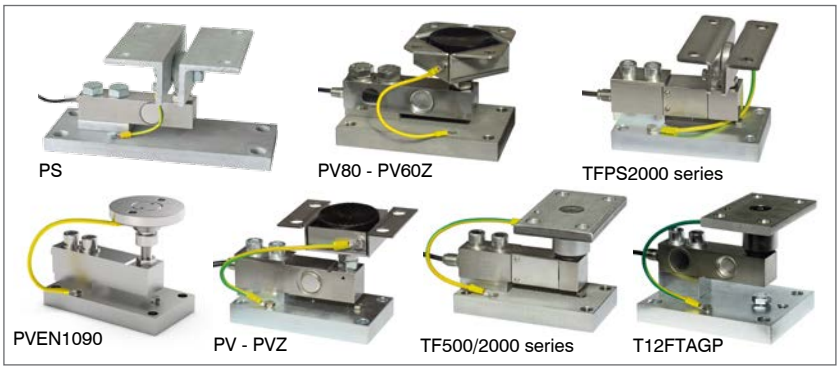


SHEAR BEAM: capacity from 500 kg to 5000 kg



- AISI 4340 NICKEL PLATED STEEL
- COMBINED ERROR ≤ ±0.02%
- IP67 - IP68 PROTECTION RATING

MOUNTING KITS



CAPACITY kg	ACCURACY CLASS C3	NET WEIGHT (kg)
75	–	1
150	–	1
300	–	1
500	–	1
1000	•	1.1
2000	•	1.1
3000	•	1.1
5000	•	1.1

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)*
Complies with the Eurasian Customs Union regulations for use in potentially explosive atmospheres
Complies with Chinese market regulations for use in potentially explosive atmospheres

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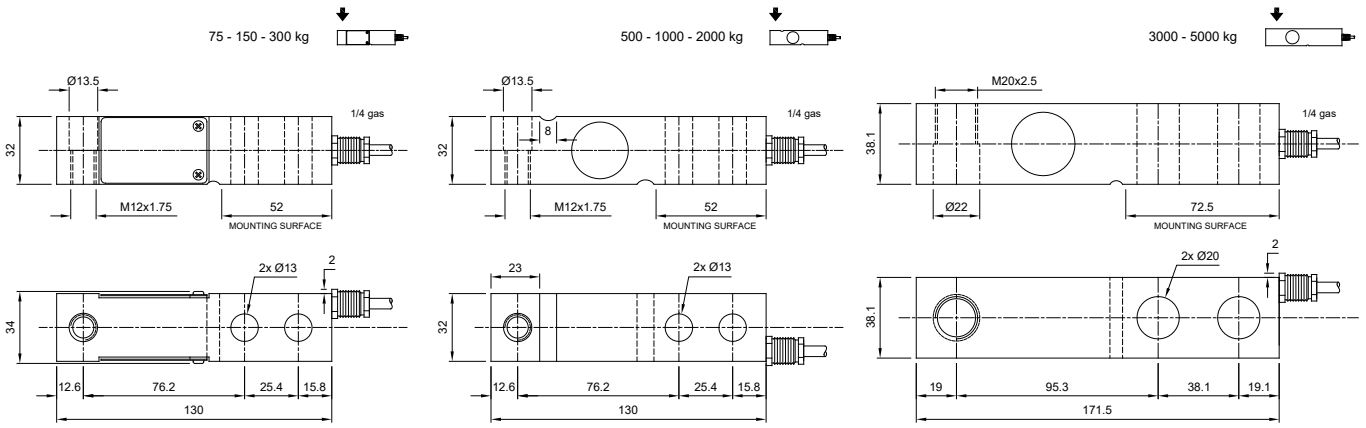
ISO 9001
ISO 14001

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DIMENSIONS (mm)



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

Screw	M12		M20	
Screw class	6.8	8.8	6.8	8.8
Tightening torque	50 Nm	79 Nm	290 Nm	400 Nm

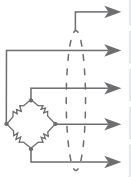
TECHNICAL FEATURES

Material	AISI 4340 nickel plated steel	
OIML R60 Accuracy class • Verification intervals	-	C3 • 3000
Nominal load (E max)	75 -150 - 300 - 500 kg	1000 - 2000 - 3000 - 5000 kg
Minimum verification interval (V min)	-	E max / 12000
Combined error	≤ ±0.02%	
Protection rating	IP67 (75 - 300 kg), IP68 (500 - 5000 kg)	

Rated output	2 mV/V ±0.1%	Input resistance	400 Ω ±10
Temperature effect on zero	0.002% °C	Output resistance	352 Ω ±2
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 / +70 °C	Safe overload (% of full scale)	150%
Creep at nominal load in 30 minutes	0.03%	Ultimate overload (% of full scale)	250%
Max supply voltage without damage	15 V	Deflection at nominal load	0.6 mm

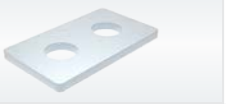
ELECTRICAL CONNECTIONS

Cable length	6 m
Cable diameter	5 mm
Cores	6 x 0.24 mm²



SHIELD	
+ SIGNAL	GREEN
+ EXCITATION + REF./SENSE	RED BLUE
- SIGNAL	WHITE
- EXCITATION - REF./SENSE	BLACK YELLOW/BROWN

COMPLEMENTARY ACCESSORIES

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

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

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