FCAX

BENDING BEAM AND SHEAR LOAD CELLS

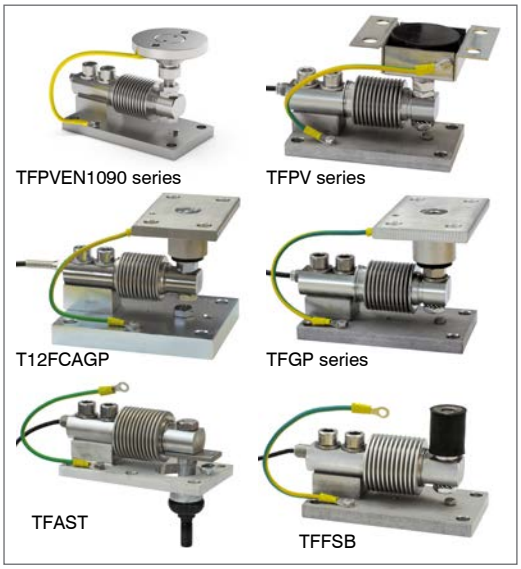
Manufactured according to OIML R60 standards

BENDING BEAM: capacity from 30 kg to 500 kg

SHEAR BEAM: capacity from 750 kg to 1500 kg

- AISI 420 STAINLESS STEEL
- COMBINED ERROR ≤ ±0.02%
- IP68 PROTECTION RATING

MOUNTING KITS



CAPACITY kg	NET WEIGHT (kg)
30	0.6
50	0.6
75	0.6
150	0.6
300	0.7
500	0.7
750	0.7
1000	0.7
1500	0.7

CERTIFICATIONS

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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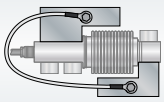
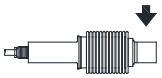
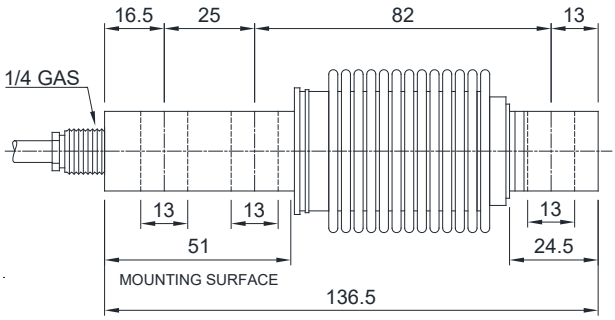
LAUMAS®

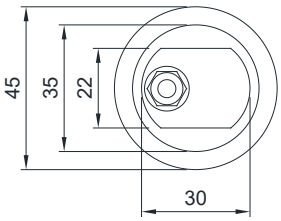
COMPLEMENTARY ACCESSORIES

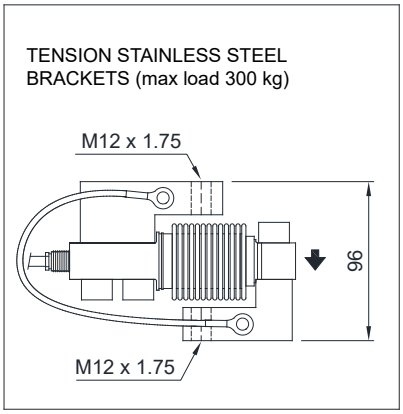
	DESCRIPTION	CODE
	Pair of tension stainless steel brackets. Maximum static load: 300 kg	STAFFEFCA

DIMENSIONS (mm)









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

Screw	M12	
Screw class	6.8	8.8
Tightening torque	50 Nm	79 Nm

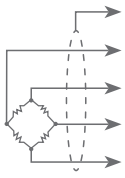
TECHNICAL FEATURES

Material	AISI 420 stainless steel
Nominal load (E max)	30 - 50 - 75 - 150 - 300 - 500 - 750 - 1000 - 1500 kg
Combined error	≤ ±0.02%
Protection rating	IP68

Rated output	2 mV/V ±0.4%	Input resistance	385 Ω ±5
Temperature effect on zero	0.002% °C	Output resistance	350 Ω ±5
Temperature effect on span	0.002% °C	Zero balance	±1%
Compensated temperature range	-10 °C / +40 °C	Insulation resistance	>5000 MΩ
Operating temperature range	-20 °C / +50 °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	15 V	Deflection at nominal load	0.4 mm

ELECTRICAL CONNECTIONS

Cable length	5 m
Cable diameter	5 mm
Cores	6 x 0.22 mm²



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

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

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ISO 9001
ISO 14001