



N FCAX

# Description

- 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%
- PROTECTION CLASS IP68



Manufactured according to OIML R60 standards

Mounting kits



# Technical data

CAPACITY	kg	TEČEX (Ex	EAC	NET WEIGHT OF LOAD CELL (kg)	CODE
	30	٠	٠	0.6	FCAX30
	50	•	•	0.6	FCAX50
	75	٠	•	0.6	FCAX75
	150	•	•	0.6	FCAX150
	300	٠	•	0.7	FCAX300
	500	•	•	0.7	FCAX500
	750	٠	•	0.7	FCAX750
	1000	•	•	0.7	FCAX1000
	1500	٠	•	0.7	FCAX1500
		1	1		

ON REQUEST

### Certifications

CERTIFICATIONS ON REQUEST

€ ATEX II 1GD (zone 0-1-2-20-21-22)

IECEx (zone 0-1-2-20-21-22)

[A] Complies with the Eurasian Custom Union regulations (Russia, Belarus, Kazakhstan)

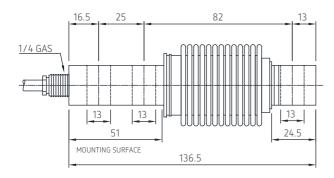
#### Complementary accessories

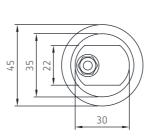
DESCRIPTION	CODE
Pair of tension stainless steel brackets. Maximum static load: 300 kg	STAFFEFCA

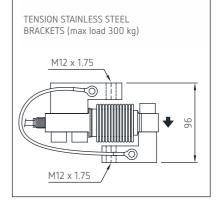


# DIMENSIONS (mm)









## Technical features

Material	AISI 420 stainless stee	AISI 420 stainless steel					
Nominal load (E max)	30 - 50 - 75 - 150 - 3	30 - 50 - 75 - 150 - 300 - 500 - 750 - 1000 - 1500 kg					
Combined error	≤±0.02%	≤±0.02%					
Protection class	IP68						
Rated output	2 mV/V ±0.4%	Input resistance	350Ω±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				

\* Input resistance for 30, 50, 75, 150, 300 kg capacities: 400  $\Omega$  ±20

# Electrical connections

Cable length	5 m	<b>→</b>	SHIELD	
Cable diameter	5 mm		+ SIGNAL	GREEN
Cores	4/6 x 0.22 mm <sup>2</sup>		+ EXCITATION + REF./SENSE	RED BLUE
			- SIGNAL	WHITE
			- EXCITATION - REF./SENSE	BLACK YELLOW

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The information provided herein is to the best of our knowledge true and accurate, it is provided for guidance only. All specifications are subject to change without prior notification.

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