



N FCOL Bending Beam Loadcell



Description

- 17-4 ph stainless steel
- Combined error = $\pm 0.02\%$ (0.017% c4)
- Protection class IP68



Capacity from 20 kg to 500 kg

MOUNTING KITS



CAPACITY	kg	ACCURACY CLASS		IECEx	Ex	EAC	NTEP	NET WEIGHT OF LOAD CELL (kg)	CODE
		C3	C4						
20		•	•	•	•	•	•	0.4	FCOL20
50		•	•	•	•	•	•	0.4	FCOL50
100		•	•	•	•	•	•	0.4	FCOL100
200		•	•	•	•	•	•	0.4	FCOL200
350		•	•	•	•	•	•	0.4	FCOL350
500		•	•	•	•	•	•	0.4	FCOL500

ON REQUEST

Certifications

OIML R60 C3

CERTIFICATIONS ON REQUEST

ATEX II 1GD (zone 0-1-2-20-21-22)

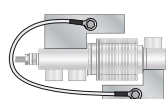
IECEx (zone 0-1-2-20-21-22)

OIML R60 C4

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

NTEP - compliant to the metrological standards of United States and Canada (capacity from 50 to 500 kg)

Complementary accessories



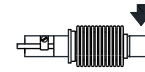
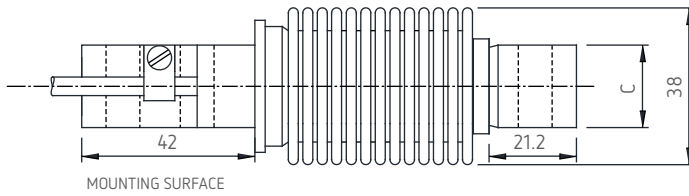
DESCRIPTION

Pair of tension stainless steel brackets.
Maximum static load: 100 kg

CODE

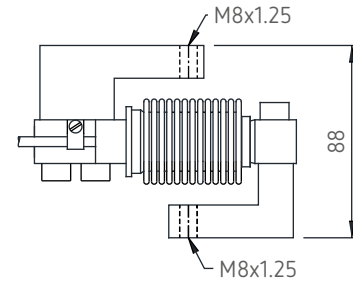
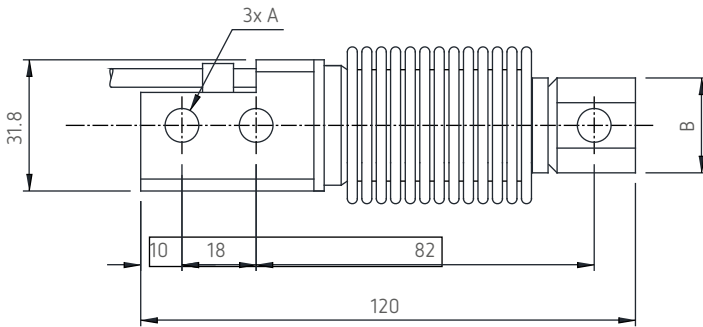
STAFFEFC

■ Dimensions (mm)



	A	B	C
20-200kg	∅8.2	23	20
350-500kg	∅10.3	24	19

TENSION STAINLESS STEEL BRACKETS (max load 100 kg)



■ Technical features

Material	17-4 PH stainless steel		
OIML R60 Accuracy class · Verification intervals	C3 · 3000		C4 · 4000
Nominal load (E max)	20 - 50 - 100 - 200 - 350 - 500 kg		
Minimum verification interval (V min)	E max / 10000		E max / 15000
Combined error	≤±0.02%		≤±0.017%
Protection class	IP68		
Rated output	2 mV/V ±1% *	Input resistance	460 Ω ±50
Temperature effect on zero	0.002% °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

* Calibrated current output

■ Electrical connections

Cable length	3 m
Cable diameter	5 mm
Cores	4/6 x 0.22 mm ²

