ALTHEN SENSORS & CONTROLS

N FTH Shear Beam Loadcell

IP68

Manufactured according to OIML R60 standards

Description

- Special steel
- Combined error = ±0.1%
- Protection class IP68

Capacity from 5000 kg to 10000 kg

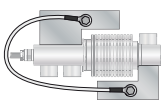
CAPACITY	kg	ACCURACY CLASS C3	C4				NET WEIGHT OF LOAD CELL (kg)	CODE
	20	•	•	•	•	•	0.4	FCOL20
	50	•	•	•	•	•	0.4	FCOL50
	100	•	•	•	•	•	0.4	FCOL100
	200	•	•	•	•	•	0.4	FCOL200
	350	•	•	•	•	•	0.4	FCOL350
	500	•	•	•	•	•	0.4	FCOL500
			ON REQUEST					

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

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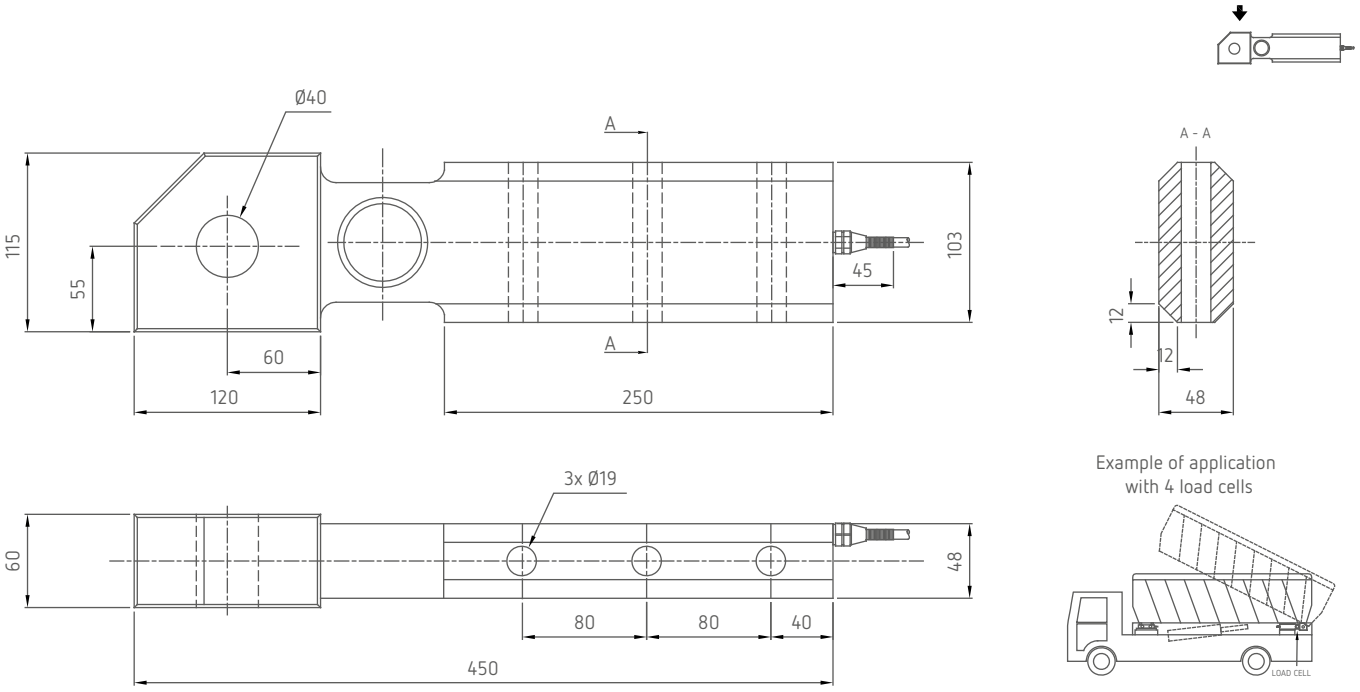
Dimensions (mm)



Example of application with 4 load cells

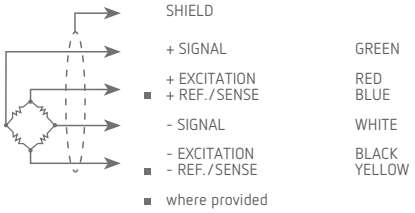
Technical features

Material	Special steel
Nominal load (E max)	5000 - 10000 kg
Combined error	≤±0.1%
Protection class	IP68

Rated output	1 mV/V ±0.5%	Input resistance	400 Ω ±20
Temperature effect on zero	0.005% °C	Output resistance	352 Ω ±3
Temperature effect on span	0.005% °C	Zero balance	±2%
Compensated temperature range	-10 °C / +40 °C	Insulation resistance	>5000 MΩ
Operating temperature range	-30 °C / +70 °C	Safe overload (% of full scale)	150%
Creep at nominal load in 30 minutes	0.1%	Ultimate overload (% of full scale)	300%
Max supply voltage without damage	15 V	Deflection at nominal load	0.4 mm

Electrical connections

Cable lenght	10 m
Cable diameter	6 mm
Cores	4/6 x 0.24 mm²



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