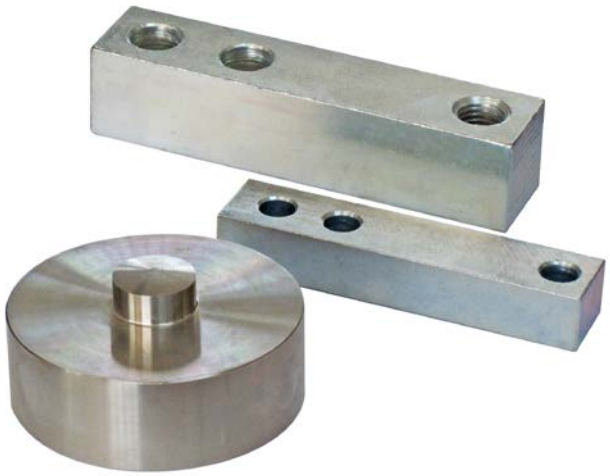
ML

Level measurements - false cells

LAUMAS®

Up to 100000 kg application range



CAPACITY kg	EQUIVALENT TO LOAD CELLS	MATERIAL	NET WEIGHT (kg)
BENDING BEAM			
200	FCOL	Galvanized steel	0.5
1500	FCAL (30-300 kg) - FCAX (30-1500 kg)	Galvanized steel	0.6
SHEAR BEAM			
2000	FTP (75-2000 kg) - FTK (75-2000 kg) FTKL (500-2000 kg) - FTZ (500-2000 kg) FT-P (300-2000 kg)	Galvanized steel	0.9
5000	FTP (3000-5000 kg) - FTK (3000-5000 kg) FTKL (3000-5000 kg) - FTZ (5000 kg)	Galvanized steel	1.6
COMPRESSION-LOW PROFILE			
15000	CBL (250-12500 kg) - CBX (15000 kg)	Stainless steel	1.4
30000	CBL (15000 kg) - CBX (30000 kg)	Stainless steel	2.2
50000	CBL (30000 kg) - CBX (50000 kg)	Stainless steel	4
100000	CBL (50000-100000 kg)	Stainless steel	10.5

DESCRIPTION

- Structural mechanical steel elements that can be used in combination with the load cells for measuring the level of liquid or weighing powder products that do not require a high degree of precision.
- They do not transmit any electrical signals.
- They can be mounted on the same mounting kits as the load cells.

DIMENSIONS AND TECHNICAL SPECIFICATIONS

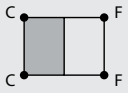
- To enable use of the false cells, it is absolutely necessary that the structure to weigh has a uniform shape and is geometrically divisible. It must be perfectly level and the type of product to be weighed must enable horizontal positioning, as if it were a liquid (otherwise, loading systems which distribute the product/load uniformly are required).
- Mounting kits should be used for all supports (also for those with false cells), because, apart from simplifying and optimising cell assembly, they enable future replacement of false cells with real versions, accuracy and the reliability of the weighing process needs to be improved.
- The weight indicator will show the effective weight multiplying the signal by two or three, depending on the application.

STRUCTURE WITH 3-POINT SUPPORT
1 LOAD CELL + 2 FALSE CELLS



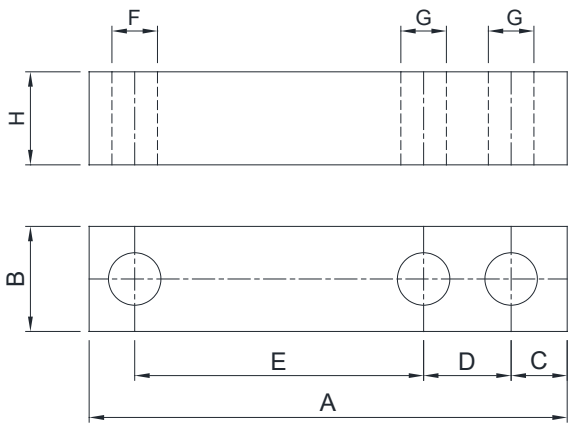
Signal mV x 3 | Signal mV x 2

STRUCTURE WITH 4-POINT SUPPORT
2 LOAD CELLS + 2 FALSE CELLS

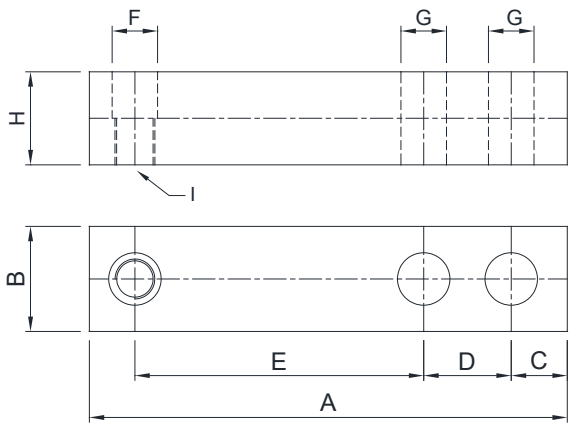


Signal mV x 2

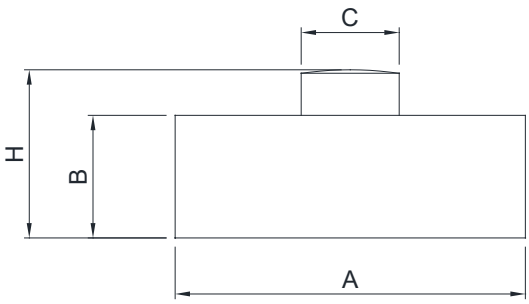
C = SUPPORT FOOT WITH LOAD CELL
F = SUPPORT FOOT WITH FALSE CELL



	200 kg	1500 kg
A	120	137
B	30	30
C	10	17.5
D	18	24.5
E	82	81.5
F	Ø9.5	Ø13
G	Ø8.5	Ø13
H	20	22



	2000 kg	5000 kg
A	130	171.5
B	32	40
C	15	19
D	25.5	38
E	76	95
F	Ø14	Ø22
G	Ø14	Ø20
H	32	38
I	M12	M20



	15000 kg	30000 kg	50000 kg	100000 kg
A	Ø82	Ø100	Ø126	Ø165
B	32	35	40	60
C	Ø22	Ø28	Ø35	Ø60
H	44	48	54	80

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