



FLINTEC - Type SLB Load Cell



Product Description

The type SLB is stainless steel beam type load cell with improved potting. It is suitable for use in industrial environments.

Application

- Platform scales
- Small hopper
- Tank scales

Basic Features

- Wide range of capacities from 200 lb to 5 000 lb (91kg to 2268kg)
- Stainless steel construction
- Environmental Protection IP68
- Unique blind loading hole
- High output resistance

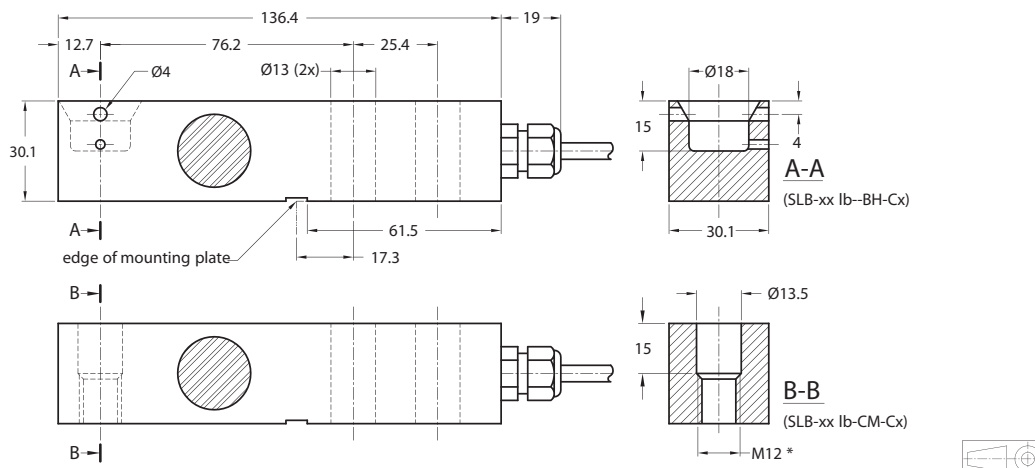
Approvals

- OIML approval to C3 (Y = 15 000)
- NTEP approval to 7 500 intervals, Class III
- ATEX hazardous area approval for Zone 0, 1, 2, 20, 21 και 22
- FM hazardous area approval

Specifications

Maximum capacity	(E _{max})	lb	200 / 500 / 1000 / 2500 / 5000
Metric equivalents (1 lb= 0.45359 kg)		kg	91 / 227 / 454 / 1134 / 2268
Rated Output	(Cn)	mV/V	2 ± 0.1%
Calibration in mV/V/Ω (A...I classified)		%Cn	≤ ± 0.05 (≤ ± 0.005)
Accuracy class according to OIML R 60		(GP)	C3
Maximum number of verification intervals	(n _{max})		n.a.
Minimum load cell verification interval	(V _{min})		E _{max} / 11500
Combined error	%Cn		≤ ± 0.040
Creep error (30 minutes) / DR	%Cn		≤ ± 0.060
Temperature effect on minimum dead load output	%Cn/°C		≤ ± 0.0040
Temperature effect on sensitivity	%/°C		≤ ± 0.0020
Excitation voltage	V		5...15
Zero balance	%Cn		≤ ± 5
Input resistance	Ω		1100 ± 50
Output resistance	Ω		1000 ± 2
Insulation resistance (100 V DC)	MΩ		≥ 5000
Compensated temperature range	°C		-10...+ 40
Operating temperature range	°C		-20...+ 65
Safe load limit	(E _{lim})	%E _{max}	200
Ultimate load		%E _{max}	300
Safe side load		%E _{max}	100
Load cell material			stainless steel 17-4 PH (1.4548)
Sealing			potted
Protection according DIN 40.050			IP 67

Dimensions



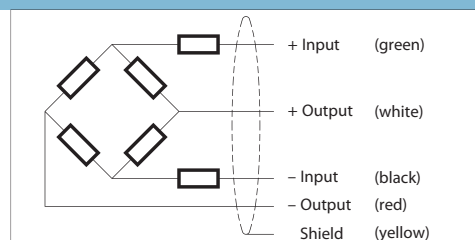
All dimensions in mm. Dimensions and specifications are subject to change without notice.

Mounting bolts for 200 lb to 2500 lb: M12 8.8 / torque 90 Nm; for 5000 lb: M12 10.9 / torque 120 Nm. Torque values assume oiled threads.

* Unified thread 1/2-20 UNF is available (type designation SLB-xx lb-Cx-CU).

Wiring

- The load cell is provided with a shielded, 4 conductor cable (AWG 24). Cable jacket polyurethane.
- Cable length: 3 m.
- Cable diameter: 5 mm.
- The shield is floating (On request the shield can be connected to the load cell body).



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