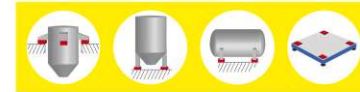


SHEAR BEAM LOAD CELLS FROM 500 TO 5000 kg

SBX

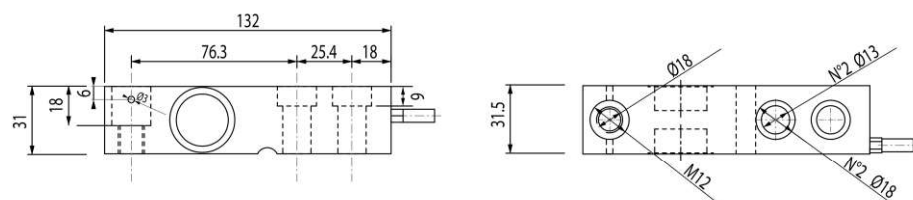
High performance, stainless steel shear beam load cells, extremely robust and resistant, with IP68 protection classification.

Particularly suitable for creating CE-M approved 4-cell scales with medium capacity, and for weighing tanks, silos, and hoppers, thanks to the KSB and KSBN assembly kits.



ATEX II 1G Ex ia IIC T6
(Ta -20÷+40°C)
TX (Ta -20÷+65°C) Ga
ATEX II 1D Ex ta IIIC TX°C
(Ta -20÷+40°C)
TX°C (Ta -20÷+65°C) Da IP65

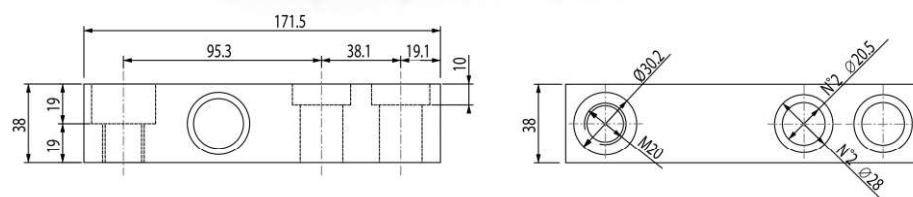
SBX FROM 500 TO 2000 kg



TECHNICAL FEATURES

Accuracy class	C3
Protection classification	IP68
Construction	17-4 PH stainless steel
Minimum load cell verification interval (Vmin)	EMax/10000
Maximum number of verification intervals	nLC=3000
Combined error of Full Scale Output (F.S.)	0.017%
Full Scale Output	2mV/V ± 0.5%
Temperature effect on zero	0.002% / °C
Temperature effect on full scale output	0.002% / °C
Compensated Temperature	-10°C / +50°C
Operating Temperature	-20°C / +60°C
Creep error after 30 minutes	0.02% F.S
Maximum tolerated excitation voltage	15 Vdc
Input Resistance	1100 ± 20 Ohm
Output Resistance	1000 ± 20 Ohm
Insulation Resistance	>5000 MOhm
Safe Overload	150% F.S
Ultimate Overload	>300% F.S
Shielded cable	5m, Ø5mm/6-wire

SBX FROM 3000 TO 5000 kg



Code

Max capacity (kg)

SBX500-1K / 1000-1KL / 2000-1KL

500 / 1000 / 2000

SBX3000-1K / 5000-1KL

3000 / 5000

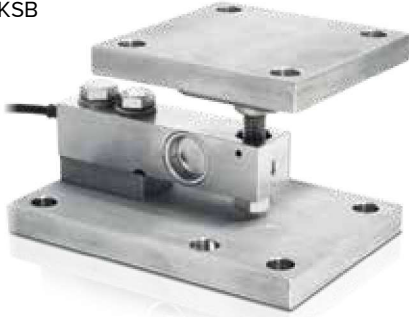
KSB: ASSEMBLY KIT FOR SHEAR BEAM LOAD CELLS

Assembly kits for SBX series shear beam load cells, suitable for creating high-capacity weighing platforms, or for weighing silos, hoppers, horizontal or vertical tanks with a medium or large size.

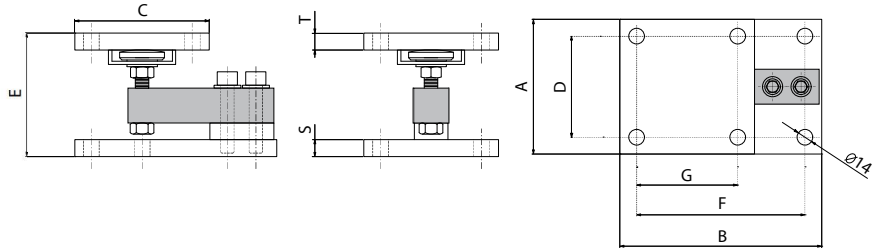
- ✓ The special articulation ensures excellent measurement accuracy even with an expanded or bent structure to be weighed.
- ✓ Adjustable height for an optimal leveling of the structure to be weighed.

- **KSB2 AND KSB5 VERSIONS: EXECUTION IN AISI304 STAINLESS STEEL WITH HINGE ADJUSTABLE IN HEIGHT**
- **KSBN2 VERSION: EXECUTION IN GALVANIZED STEEL WITH SPHERICAL JOINT**
- **MECHANICAL COMPENSATION OF THERMAL SWELLINGS AND TRANSVERSAL FORCES**

KSB



INOX
AISI 304



KSBN



Code	Max capacity (kg)	Dimensions (mm)								
		A	B	C	D	E	F	G	S	T
KSBN2	from 500 to 2000	120	180	120	90	127,5	150	90	20	10
KSB2	from 500 to 2000	120	180	120	90	110	150	90	15	15
KSB5	from 3000 to 5000	120	215	120	90	150	185	90	25	15



AVAILABLE ALSO IN ATEX CERTIFIED VERSION:
ATEX II 1G Ex ia IIC T6 (Ta -20÷+40°C) TX (Ta -20÷+65°C) Ga
ATEX II 1D Ex ta IIIC TX°C (Ta -20÷+40°C) TX°C (Ta -20÷+65°C) Da IP65

SBFI: ARTICULATED FOOT FOR HIGH RESOLUTION

Stainless steel articulated feet designed in order to obtain the best weighing performances, particularly suitable for creating scales with 4 load cells. Extremely compact and easy to install, the feet minimize the height of the platform and ensure a perfect decoupling of the lateral forces during the weighing operation.



INOX
AISI 304

- **COMPLETELY AISI304 STAINLESS STEEL CONSTRUCTION**
- **BUILT-IN NON-SLIP RUBBER**
- **FITTED WITH ANTI-VIBRATION GASKET**
- **EXTERNAL TREATMENT RESISTANT TO CORROSION**

Code	Max capacity (kg)
SBFI	from 500 to 2000
SBFI3K	from 3000 to 5000

PLX: CELL KITS FOR ASSEMBLING FLOOR SCALES

The kit is made up of four SBX load cells together with hypersanitizable adjustable mounting feet and a junction box with a built-in equalisation board. Suitable for creating various sizes and capacities scales, connectable to any type of weight indicator.



- Load cells**
- 17-4PH stainless steel
 - C3 class
 - IP68 protection

- Leveling feet**
- stainless steel
 - adjustable height
 - anti-slip rubber

- Junction box**
- ABS
 - IP67 protection
 - 5 fairleads

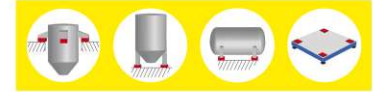
Code	Provided cell
PLX1K405C3	SBX500-1K
PLX1K410C3	SBX1000-1K
PLX1K420C3	SBX2000-1K

COMPRESSION LOAD CELLS FROM 250 TO 100.000 kg

CPX

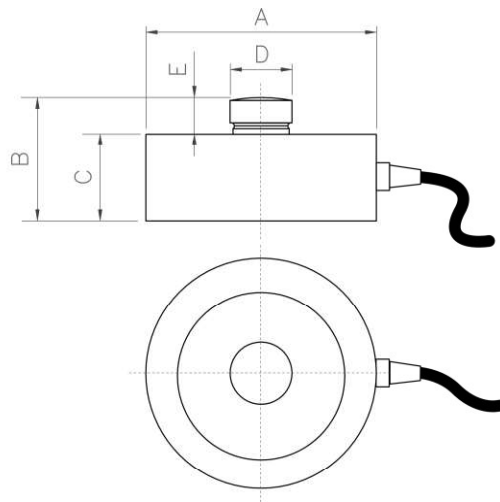
Stainless steel load cells with IP68 protection classification, suitable for use in industrial environments.

- Ensure a high performance and an excellent resistance to great stress.
- Particularly suitable in the foodstuff and chemical industries, in industrial process and automation, for the weighing of tanks, hoppers, and silos.
- Quick and simple installation / replacement of the load cells thanks to the KCPN assembly kit.



AVAILABLE ALSO
IN ATEX CERTIFIED
VERSION

ATEX II 1G Ex ia IIC T6
(Ta -20÷+40°C)
TX (Ta -20÷+65°C) Ga
ATEX II 1D Ex ta IIIC TX°C
(Ta -20÷+40°C)
TX°C (Ta -20÷+65°C) Da IP65



TECHNICAL FEATURES

Accuracy class	C3
Protection classification	IP68
Construction	17-4 PH stainless steel
Combined error of Full Scale Output (F.S.)	0.2%
Full Scale Output	2mV/V ± 0.5%
Temperature effect on zero	0.02% / 10°C
Temperature effect on full scale output	0.02% / 10°C
Compensated Temperature	-10°C / +50°C
Operating Temperature	-20°C / +60°C
Creep error after 30 minutes	0.02% F.S
Maximum tolerated excitation voltage	10 Vdc
Input Resistance	750 ± 10 Ohm
Output Resistance	700 ± 5 Ohm
Insulation Resistance	>5000 MOhm
Safe Overload	120% F.S
4-wire shielded cable, Ø 5mm	<ul style="list-style-type: none"> • 5m (CPX 250 ... 5000) • 10m (CPX 7500 ... 100000)

Code	Max capacity (kg)	Dimensions (mm)				
		A	B	C	D	E
CPX250 / 500 / 1000	250 / 500 / 1000	82	44	32	22	12
CPX2500 / 5000 / 7500 / 10000 / 12500	2500 / 5000 / 7500 / 12500	82	44	32	22	12
CPX15000	15000	100	47	35	28	12
CPX30000	30000	126	54	40	35	14
CPX50000	50000	165	80	60	60	20
CPX100000	100000	165	80	60	60	20

KCPN: ASSEMBLY KIT FOR COMPRESSION LOAD CELLS

Assembly kits for CPX series compression load cells, suitable for weighing silos, hoppers, horizontal or vertical tanks with a medium to large size or high-capacity weighing platforms.

- ✔ Designed to ensure the correct functioning of the load cell and to ensure the optimum weighing accuracy and high measure reliability over time.
- ✔ Simple installation / replacement of the load cells even when the kit is already installed.

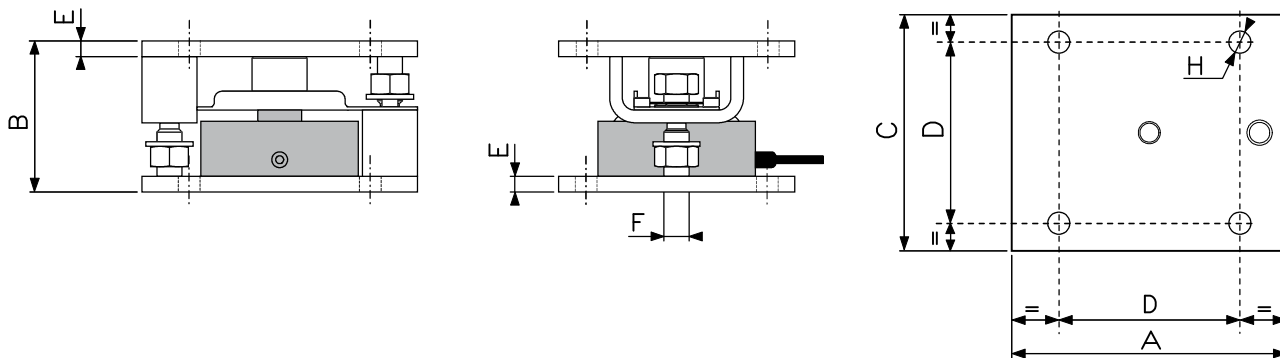
- **CONSTRUCTION IN AISI304 STAINLESS STEEL**
- **GREAT RESISTANCE TO LATERAL FORCES**
- **OVERTURN-PROOF SCREW JACKS FOR EASY INSTALLMENT AND/OR SUBSTITUTION OF THE LOAD CELL**
- **SELF-CENTERING CONNECTION SEGMENT BETWEEN LOWER AND UPPER PLATES**



Ex

AVAILABLE ALSO IN ATEX CERTIFIED VERSION

ATEX II 1G Ex ia IIC T6
(Ta -20÷+40°C)
TX (Ta -20÷+65°C) Ga
ATEX II 1D Ex ta IIIC TX°C
(Ta -20÷+40°C)
TX°C (Ta -20÷+65°C) Da IP65



Code	Max capacity (kg)	Dimensions (mm)							
		A	B	C	D	E	F	H	
KCPN10	from 250 to 10000	175	96	150	115	10	M16	Ø 14	
KCPN15	15000	175	96	150	115	10	M16	Ø 14	
KCPN30	30000	230	118	200	160	10	M20	Ø 17	
KCPN100	from 50000 to 100000	320	154	320	250	15	M30	Ø 23	

DOUBLE SHEAR BEAM LOAD CELLS FROM 10.000 TO 30.000 kg

DSBI

Stainless steel double shear beam load cells, extremely robust and resistant, with IP68 protection classification. Particularly suitable for creating CE-M approved 4-cell scales with high capacity,

and for weighing tanks, silos, and hoppers, thanks to the KDSBN assembly kit. They ensure a high accuracy even in case of expansion of the structure to be weighed.

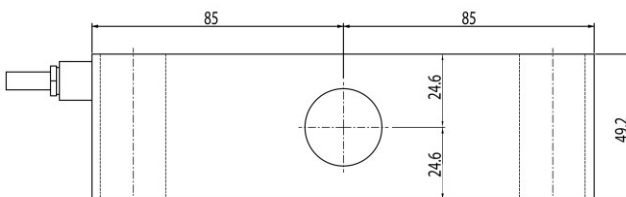
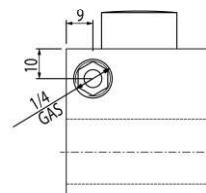
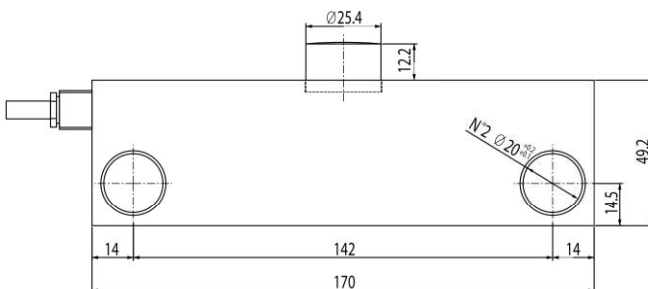


ATEX II 1G Ex ia IIC T6
(Ta -20÷+40°C)
TX (Ta -20÷+65°C) Ga
ATEX II 1D Ex ta IIIC TX°C
(Ta -20÷+40°C)
TX°C (Ta -20÷+65°C) Da IP65



TECHNICAL FEATURES

Accuracy class	C4
Protection classification	IP68
Construction	17-4 PH stainless steel
Minimum load cell verification interval (Vmin)	EMax/10000
Combined error of Full Scale Output (F.S.)	0,03%
Full Scale Output	2mV/V ± 0,1%
Temperature effect on zero	0,00116% / °C
Temperature effect on full scale output	0,00097% / °C
Compensated Temperature	-10°C / +40°C
Operating Temperature	-30°C / +85°C
Creep error after 30 minutes	<0,02% F.S
Maximum tolerated excitation voltage	15 Vdc
Input Resistance	700 ± 7 Ohm
Output Resistance	700 ± 7 Ohm
Insulation Resistance	>5000 MOhm
Zero Balance	± 1%
Safe Overload	150% F.S
Ultimate Overload	300% F.S
6-wire shielded cable	15m



Code

DSBI10 / 20 / 30

Max capacity (kg)

10000 / 20000 / 30000

KDSBN: ASSEMBLY KIT FOR DOUBLE SHEAR BEAM LOAD CELLS

Assembly kits for DSBI series double shear beam load cells, suitable for weighing silos, hoppers, horizontal or vertical tanks with a large size or high-capacity weighing platforms.

- ✔ Ensure the correct functioning of the load cell.
- ✔ Guarantee excellent weighing accuracy and high measure reliability even in case of an expanded or bent structure to be weighed.

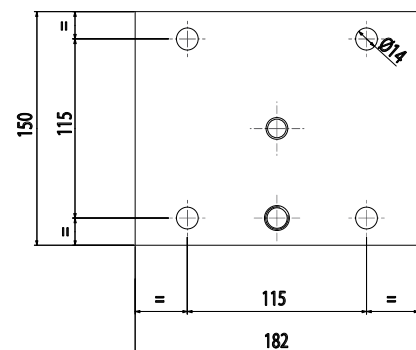
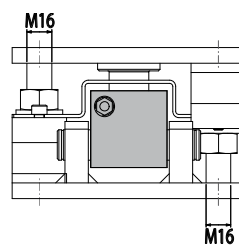
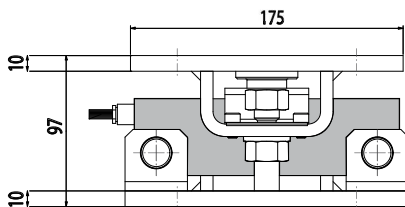
- **CONSTRUCTION IN AISI304 STAINLESS STEEL**
- **GREAT RESISTANCE TO LATERAL FORCES**
- **OVERTURN-PROOF SCREW JACKS FOR EASY INSTALLMENT AND/OR SUBSTITUTION OF THE LOAD CELL**
- **SELF-CENTERING CONNECTION SEGMENT BETWEEN LOWER AND UPPER PLATES**



INOX
AISI 304



ATEX II 1G Ex ia IIC T6
(Ta -20÷+40°C)
TX (Ta -20÷+65°C) Ga
ATEX II 1D Ex ta IIIC TX°C
(Ta -20÷+40°C)
TX°C (Ta -20÷+65°C) Da IP65



Code	Max capacity (kg)
KDSBN	up to 30000

BENDING BEAM LOAD CELLS FROM 10 TO 500 kg

FXC and FXD

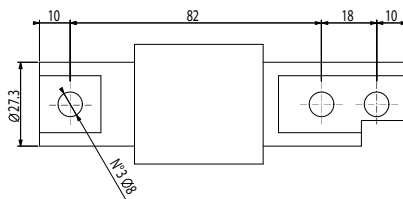
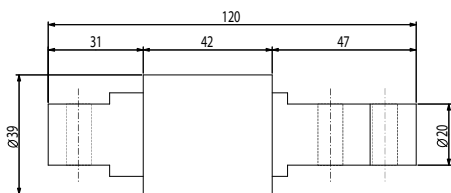
Stainless steel bending beam load cells, with IP68 protection classification, suitable for using in industrial automations. Ideal for hoppers and mixers with small

and medium size and for the integration in the dosage systems, thanks to the KFXDN assembly kit.



ATEX II 1G Ex ia IIC T6
(Ta -20÷+40°C)
TX (Ta -20÷+65°C) Ga
ATEX II 1D Ex ta IIIC TX°C
(Ta -20÷+40°C)
TX°C (Ta -20÷+65°C) Da IP65

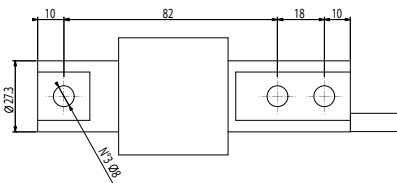
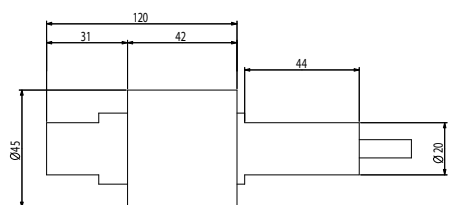
FXC



TECHNICAL FEATURES

	FXC	FXD
Accuracy class	C3	C3
Protection classification	IP68	IP68
Construction	stainless steel	stainless steel
Minimum load cell verification interval (Vmin)	EMax / 10000	EMax / 10000
Maximum number of verification intervals	nLC=3000	nLC=3000
Combined error of Full Scale Output (F.S.)	0,017%	0,017%
Full Scale Output	2mV/V ± 0,1%	2.0 ± 0,002mV/V
Non-Repeatability	± 0,015%	± 0,015%
Temperature effect on zero	0,002% / °C	± 0,02% F.S./10°C
Temperature effect on full scale output	0,0012% / °C	± 0,02% F.S./10°C
Compensated Temperature	-10°C / +40°C	-10°C / +40°C
Operating Temperature	-20°C / +60°C	-30°C / +70°C
Creep error after 30 minutes	0,016% F.S.	0,016% F.S.
Maximum tolerated excitation voltage	15 Vdc	15 Vdc
Input Resistance	385 ± 20 Ohm	400 ± 20 Ohm
Output Resistance	350 ± 5 Ohm	352 ± 3 Ohm
Insulation Resistance	>5000 MOhm	>5000 MOhm
Safe Overload	200% F.S.	120% F.S.
Ultimate Overload	300% F.S.	150% F.S.
Nominal displacement	<0,4mm	<0,4mm
4-wire shielded cable	3m, Ø 4mm	3m, Ø 5mm

FXD



Code	Max capacity (kg)
FXC10 / 20 / 50 / 100 / 200 / 300 / 500	10 / 20 / 50 / 100 / 200 / 300 / 500

Code	Max capacity (kg)
FXD100 / 200 / 300 / 500	100 / 200 / 300 / 500

ALUMINIUM SINGLE POINT LOAD CELLS

FROM 3 TO 750 kg



SP

Single point load cells suitable to build CE-M approved scales with a single load cell. Guarantee high weighing accuracy thanks to the off-center loads compensation.



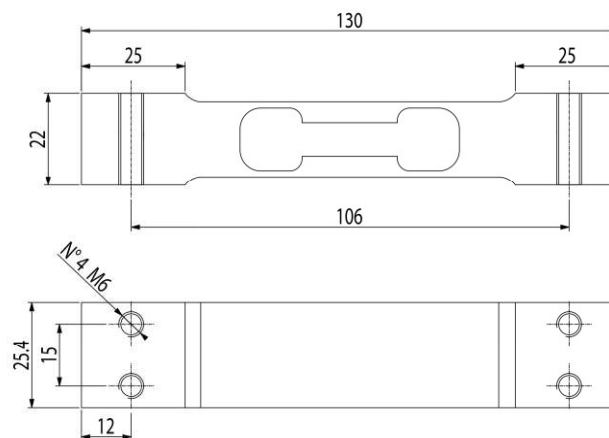
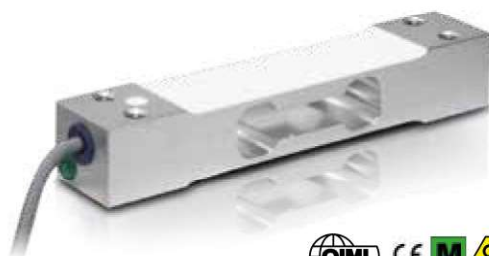
ATEX II 1G Ex ia IIC T6
(Ta -20÷+40°C)
TX (Ta -20÷+65°C) Ga
ATEX II 1D Ex ta IIIC TX°C
(Ta -20÷+40°C)
TX°C (Ta -20÷+65°C) Da IP65

TECHNICAL FEATURES

	SPO	SPG	SPG	SPM	SPN
Accuracy class	C3	C3	C6	C3	C3
Protection classification	IP67	IP67	IP67	IP67	IP67
Minimum load cell verification interval (Vmin)	EMax / 15.000	EMax / 15.000	EMax / 20.000	EMax / 15.000	EMax / 15.000
Full Scale Output	2mV/V +/- 10%	2mV/V +/- 10%	2mV/V +/- 10%	2mV/V +/- 10%	2mV/V +/- 10%
Temperature effect on zero	0,01% F.S./10K	0,01% F.S./10K	0,01% F.S./10K	0,01% F.S./10K	0,01% F.S./10K
Temperature effect on full scale output	0,001% F.S./10K	0,001% F.S./10K	0,001% F.S./10K	0,001% F.S./10K	0,001% F.S./10K
Compensated Temperature	-10°C/+40°C	-10°C/+40°C	-10°C/+40°C	-10°C/+40°C	-10°C/+40°C
Operating Temperature	-10°C/+50°C	-10°C/+50°C	-10°C/+50°C	-10°C/+50°C	-10°C/+50°C
Creep error after 30 min.	0,01% F.S.	0,01% F.S.	0,01% F.S.	0,01% F.S.	0,01% F.S.
Maximum tolerated excitation voltage	15 Vdc	15 Vdc	15 Vdc	15 Vdc	15 Vdc
Input Resistance	300..500 Ohm	300..500 Ohm	300..500 Ohm	300..500 Ohm	300..500 Ohm
Output Resistance	300..500 Ohm	300..500 Ohm	300..500 Ohm	300..500 Ohm	300..500 Ohm
Insulation Resistance	>2000 MOhm	>2000 MOhm	>2000 MOhm	>2000 MOhm	>2000 MOhm
Safe Overload	150% F.S.	150% F.S.	150% F.S.	150% F.S.	150% F.S.
Ultimate Overload	300% F.S.	300% F.S.	300% F.S.	300% F.S.	300% F.S.
Nominal displacement	< 0,5 mm	<0,3mm	<0,3mm	< 0,5 mm	< 0,5 mm
Shielded cable	40cm, Ø 3.2mm / 4-wire	3m, Ø 4.7mm / 6-wire	3m, Ø 4.7mm / 6-wire	3m, Ø 5mm / 6-wire	3m, Ø 5mm / 6-wire

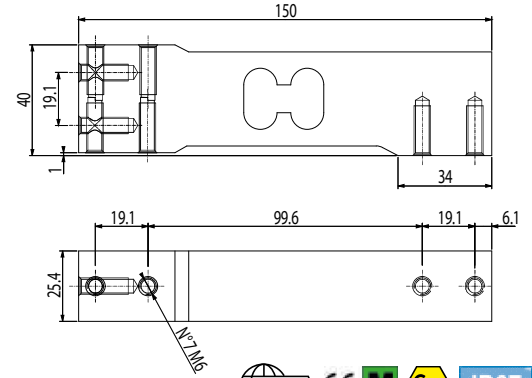
The values of temperature effects in the table are indicative, the sum of these errors (including hysteresis and linearity) remain within the limit of the errors sum, according to OIML R60.

SPO



Code	Capacity (kg)	Platform l x w max. (mm)
SPO3	3	150 x 150
SPO5	5	300 x 300
SPO10	10	300 x 300
SPO15	15	300 x 300
SPO20	20	300 x 300
SPO30	30	300 x 300

SPG



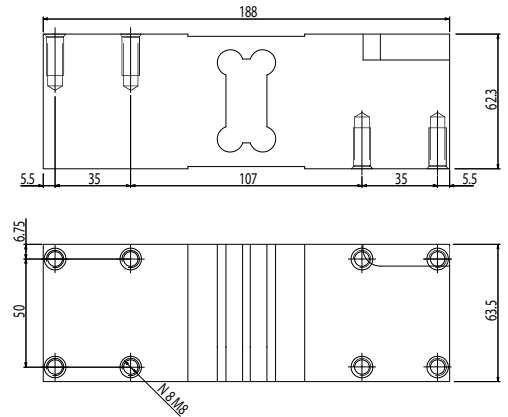
Versions in C3 class

Code	Capacity (kg)	Platform l x w max. (mm)
SPG10	10	300 x 300
SPG15	15	400 x 400
SPG20	20	450 x 450
SPG30	30	450 x 450
SPG50	50	600 x 600
SPG100	100	600 x 600
SPG200	200	600 x 600

Versions in C6 class

Code	Capacity (kg)	Platform l x w max. (mm)
SPG7C6	7	300 x 300
SPG18C6	18	400 x 400
SPG36C6	36	450 x 450

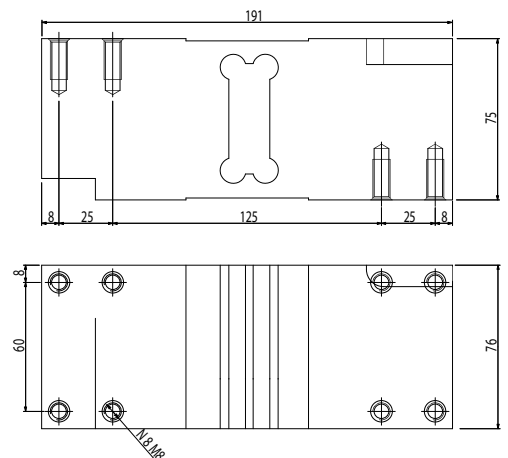
SPM



Versions in C3 class

Code	Capacity (kg)	Platform l x w max. (mm)
SPM100	100	600 x 600
SPM200	200	600 x 600
SPM500	500	600 x 600

SPN



Versions in C3 class

Code	Capacity (kg)	Platform l x w max. (mm)
SPN300	300	800 x 800
SPN500	500	800 x 800
SPN750	750	800 x 800

STAINLESS STEEL SINGLE POINT LOAD CELLS

FROM 7.5 TO 1000 kg



SPS

Single point load cells suitable to build CE-M approved scales with a single load cell. Guarantee high weighing accuracy thanks to the off-center loads compensation.



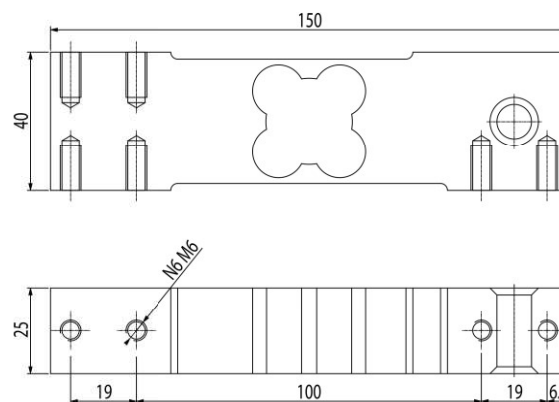
ATEX II 1G Ex ia IIC T6
(Ta -20÷+40°C)
TX (Ta -20÷+65°C) Ga
ATEX II 1D Ex ta IIIC TX°C
(Ta -20÷+40°C)
TX°C (Ta -20÷+65°C) Da IP65

TECHNICAL FEATURES

	SPSW	SPSY	SPSX	SPSZ
Accuracy class	C3	C3	C3	C3
Protection classification	IP67	IP68	IP67	IP68
Minimum load cell verification interval (Vmin)	EMax / 10.000	EMax / 10.000	EMax / 15.000	EMax / 10.000
Full Scale Output	2mV/V +/- 0,2%	2mV/V +/- 10%	2mV/V +/- 10%	2mV/V +/- 10%
Temperature effect on zero	0,01% F.S./10K	0,01% F.S./10K	0,01% F.S./10K	0,01% F.S./10K
Temperature effect on full scale output	0,001% F.S./10K	0,001% F.S./10K	0,001% F.S./10K	0,001% F.S./10K
Compensated Temperature	-10°C/+40°C	-10°C/+40°C	-10°C/+40°C	-10°C/+40°C
Operating Temperature	-10°C/+50°C	-10°C/+50°C	-10°C/+50°C	-10°C/+50°C
Creep error	after 30 minutes ± 0,01% F.S.	after 30 minutes ± 0,01% F.S.	after 30 minutes ± 0,01% F.S.	after 30 minutes ± 0,01% F.S.
Maximum tolerated excitation voltage	15 Vdc	15 Vdc	15 Vdc	15 Vdc
Input Resistance	380 ± 15 Ohm	380 ± 15 Ohm	390 ± 15 Ohm	380 ± 15 Ohm
Output Resistance	359 ± 5 Ohm	350 ± 10 Ohm	359 ± 5 Ohm	350 ± 10 Ohm
Insulation Resistance (100V)	>1000 MOhm	>2000 MOhm	>1000 MOhm	>2000 MOhm
Safe Overload	300% F.S.	300% F.S.	300% F.S.	300% F.S.
Ultimate Overload	300% F.S.	300% F.S.	300% F.S.	300% F.S.
Nominal displacement	< 0,5 mm	< 0,5 mm	< 0,5 mm	< 0,5 mm
Shielded cable	3m, Ø 5mm / 6-wire	3m, Ø 5mm / 6-wire	3m, Ø 5mm / 6-wire	3m, Ø 5mm / 6-wire

The values of temperature effects in the table are indicative, the sum of these errors (including hysteresis and linearity) remain within the limit of the errors sum, according to OIML R60.

SPSW

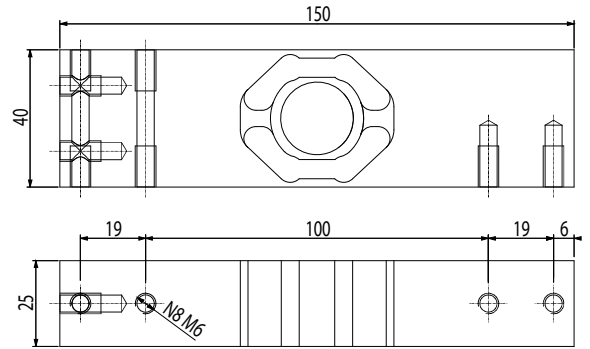


Code	Max capacity (kg)	Platform l x w max. (mm)
SPSW7.5	7,5	500 x 400
SPSW15	15	500 x 400
SPSW30	30	500 x 400
SPSW50	50	500 x 400
SPSW100	100	500 x 400

SPSY



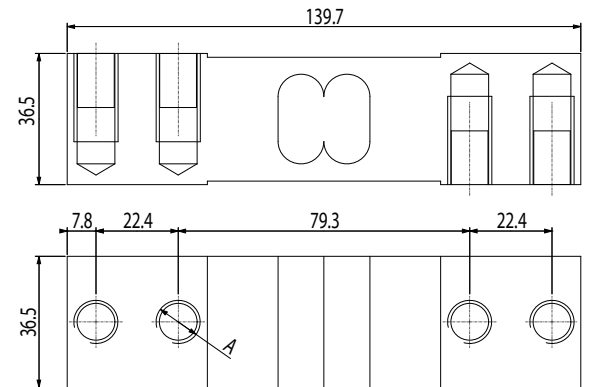
Code	Max capacity (kg)	Platform l x w max. (mm)
SPSY50	50	500 x 400
SPSY100	100	500 x 400



SPSX



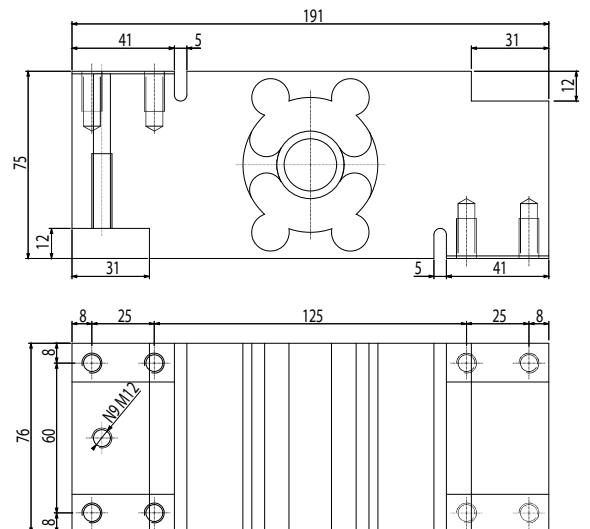
Code	Max capacity (kg)	Dimensions (mm)		Platform l x w max. (mm)
		A		
SPSX300	300	M10		600 x 800
SPSX500	500	M12		600 x 800



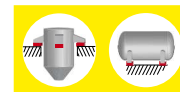
SPSZ



Code	Max capacity (kg)	Platform l x w max. (mm)
SPSZ500	500	800 x 800
SPSZ1000	1000	800 x 800



TENSION LOAD CELLS FROM 100 TO 10.000 kg



STG and STFC

Tension load cells, fitted with robust structure and IP67 protection classification, particularly suitable for using in industrial environments.

Ideal for weighing suspended loads, hoppers, tanks, and lever scales, thanks to the KST kits.

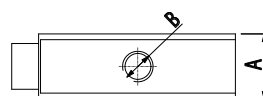
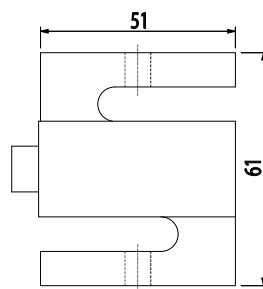


ATEX II 1G Ex ia IIC T6
(Ta -20÷+40°C)
TX (Ta -20÷+65°C) Ga
ATEX II 1D Ex ta IIIC TX°C
(Ta -20÷+40°C)
TX°C (Ta -20÷+65°C) Da IP65

STG



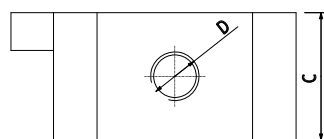
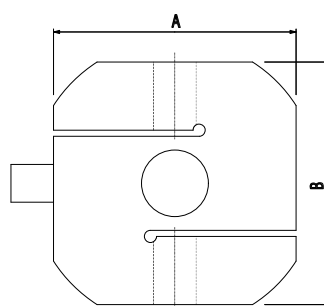
CE M Ex IP67 INOX



STFC



CE M Ex IP67



TECHNICAL FEATURES

	STG	STFC
Accuracy class	C3	C3
Protection classification	IP67	IP67
Construction	stainless steel	Nickel-plated steel
Minimum load cell verification interval (Vmin)	•EMax / 7000 (STG100 version) •EMax / 10.000 (STG500 & STG1000 version)	EMax / 10000
Maximum number of verification intervals	nLC=3000	nLC=3000
Combined error of Full Scale Output (F.S.)	0,02%	0,02%
Full Scale Output	3mV/V ± 0,08%	2mV/V ± 0,1%
Non-Repeatability	0,017% / °C	0,0013% / °C
Temperature effect on zero	0,014% / °C	0,0014% / °C
Temperature effect on full scale output	-10°C / +40°C	-10°C / +40°C
Compensated Temperature	-35°C / +65°C	-20°C / +60°C
Operating Temperature	after 30 minutes 0,02% F.S.	after 4 hours 0,03% F.S.
Creep error after 30 minutes	18 Vdc	10 Vdc
Maximum tolerated excitation voltage	430 ± 60 Ohm	1100 Ohm
Input Resistance	350 ± 3.5 Ohm	1000 Ohm
Output Resistance	>5000 MOhm	>5000 MOhm
Insulation Resistance	±1% F.S.	±1% F.S.
Safe Overload	150% F.S.	130% F.S.
Ultimate Overload	300% F.S.	300% F.S.
4-wire shielded cable	6m, Ø 5mm	5m, Ø 5mm


Code	Max capacity (kg)	Dimensions (mm)	
		A	B
STG100	100	15	M8
STG500	500	21	M12
STG1000	1000	28	M12

Code	Max capacity (kg)	Dimensions (mm)			
		A	B	C	D
STFC2000	2000	80	80	42	M16
STFC5000	5000	80	80	42	M24x2
STFC10000	10000	80	80	52	M24x2

KST: JOINTS FOR TENSION LOAD CELLS

Articulated joint kits for STG and STFC series tension load cells, suitable for suspended loads weighing.

- Installed at the two ends of the cell, the joints assure the correct functioning in accordance with the directives for the cells installation.
- Ensure optimum weighing accuracy and high measure reliability with static tension forces.

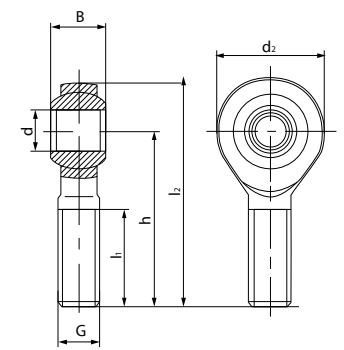


AVAILABLE ALSO IN ATEX CERTIFIED VERSION

ATEX II 1G Ex ia IIC T6
(Ta -20÷+40°C)
TX (Ta -20÷+65°C) Ga
ATEX II 1D Ex ta IIIC TX°C
(Ta -20÷+40°C)
TX°C (Ta -20÷+65°C) Da IP65

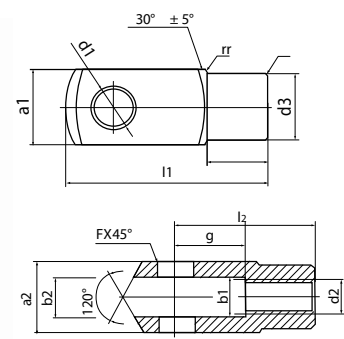


RBJ



Code	Dimensions (mm)						
	d	G H6	l ₁ min	d ₂	h	l ₂	B
RBJM8	8	M8x1,25	22	24	42	54	8
RBJM12	12	M12x1,75	28	34	54	71	10
RBJM16	17	M16x2,0	36	46	69	92	14
RBJM24	25	M24x2,0	53	64	94	126	20

CLV



Code	Dimensions (mm)										
	d1 H9	g	a1	a2	b1	d2	d3	l1	l2	l2 var. max	
CLVM8	8	161	16	16	8	M8x1,25	14	42	32	0,4	
CLVM12	12	24	24	24	12	M12x1,75	20	62	48	0,4	
CLVM16	17	32	32	32	12	M16x2,0	26	83	64	0,4	
CLVM24	25	50	50	50	25	M24x2,0	42	132	100	0,4	

Code	Max capacity (kg)
RBJM8	600
RBJM12	1.000
RBJM16	2.000
RBJM24	5.000

JUNCTION BOXES

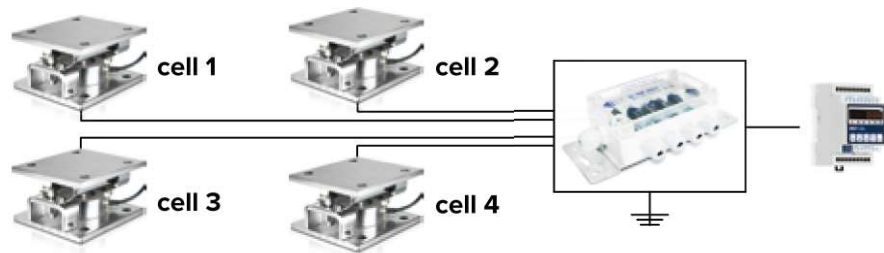
JB

The junction boxes have an important role in the configuration of multi-load cell systems. The ABS or stainless steel cases are both designed for use in the presence of water and dust, offering different protection

degrees according to the model. The junction and equalization electronic boards are fitted with screw terminals for an easy connection of cells, and a signal regulation trimmer for an accurate and

reliable equalization. In the version with 10 inputs, the card is also fitted with a protection system against overloads and shocks.

SCHEME OF USE



JBQ



IP67



Available also in ATEX version

Case	ABS
Protection classification	IP67
Maximum input voltage	24 Vdc
Maximum input current	700 mA
Maximum input load cell signal	1000 mV

JB10Q



IP68

Case	Polyester
Protection classification	IP68
Maximum input voltage	24 Vdc
Maximum input current	700 mA
Maximum input load cell signal	1000 mV

JBQI



INOX

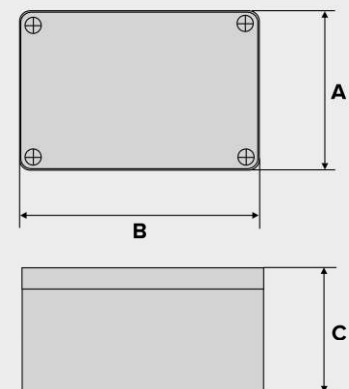
IP65



Available also in ATEX version

Case	Stainless steel
Protection classification	IP65
Maximum input voltage	24 Vdc
Maximum input current	700 mA
Maximum input load cell signal	1000 mV

Code	Dimensions (mm)		
	A	B	C
JB2Q	80	120	55
JB3Q	80	120	55
JB4Q	80	120	55
JB4QI	155	158	45
JB6QI	132	190	50
JB10Q	120	220	90
JB10QAI	130	190	45
JB2QAI	130	190	45
JB3QAI	130	190	45
JB4QAI	130	190	45

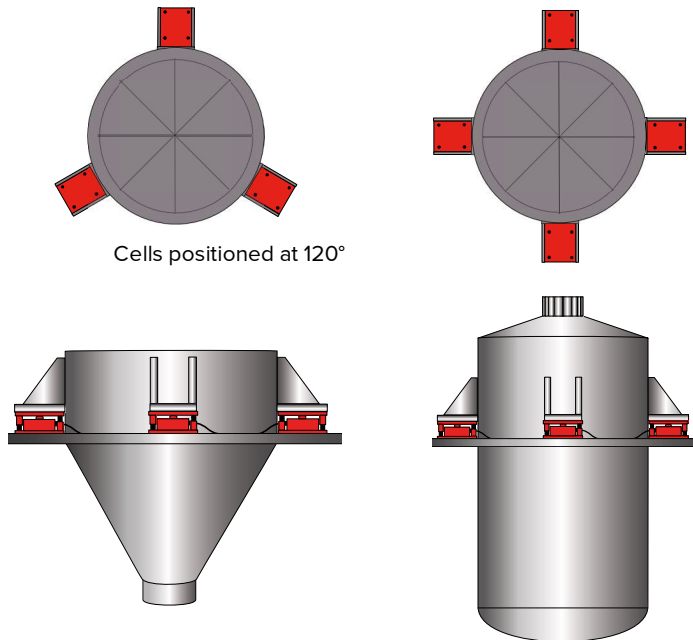


INSTALLATION TIPS

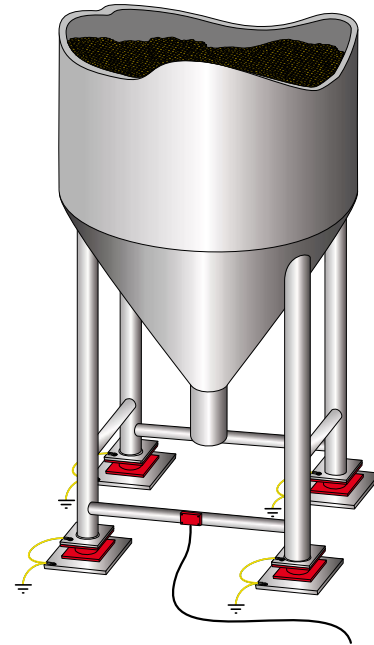
The surface under the load cells must be rigid and stable. The absence of linearity may be compensated through the use of the appropriate mounting kits.

These accessories are suitable for weighing hoppers, tanks, and silos, also suspended inside bearing structures.

SUSPENDED HOPPERS / TANKS



MEDIUM / LARGE SIZE SILOS

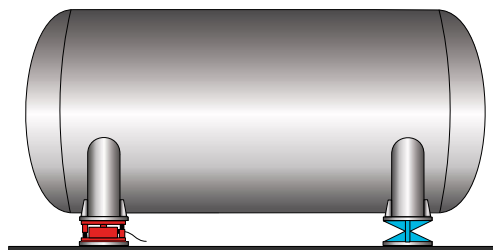


HORIZONTAL TANKS

In case of large-size horizontal tanks containing liquid, which can be particularly affected by expansion of the structure, a

cheaper system to weigh the content with a precision around 1% is to install two load cells on one side and two false cells or

joints on the other, in order to compensate the movement of the structure.

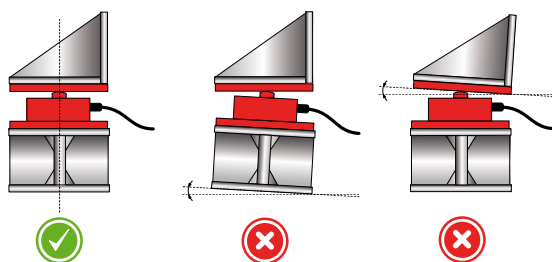


To complete a correct installation of the tank it must be:

- symmetrical in comparison to the line which crosses the center of gravity of the content;
- perfectly in level;
- not subject to the wind forces.

In this way one can ensure the best condition for the weighing.

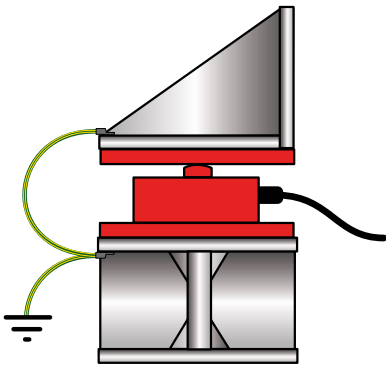
NOTES ABOUT THE SYSTEM INCLINATION



For a correct functioning of the weighing system and to obtain the best accuracy:

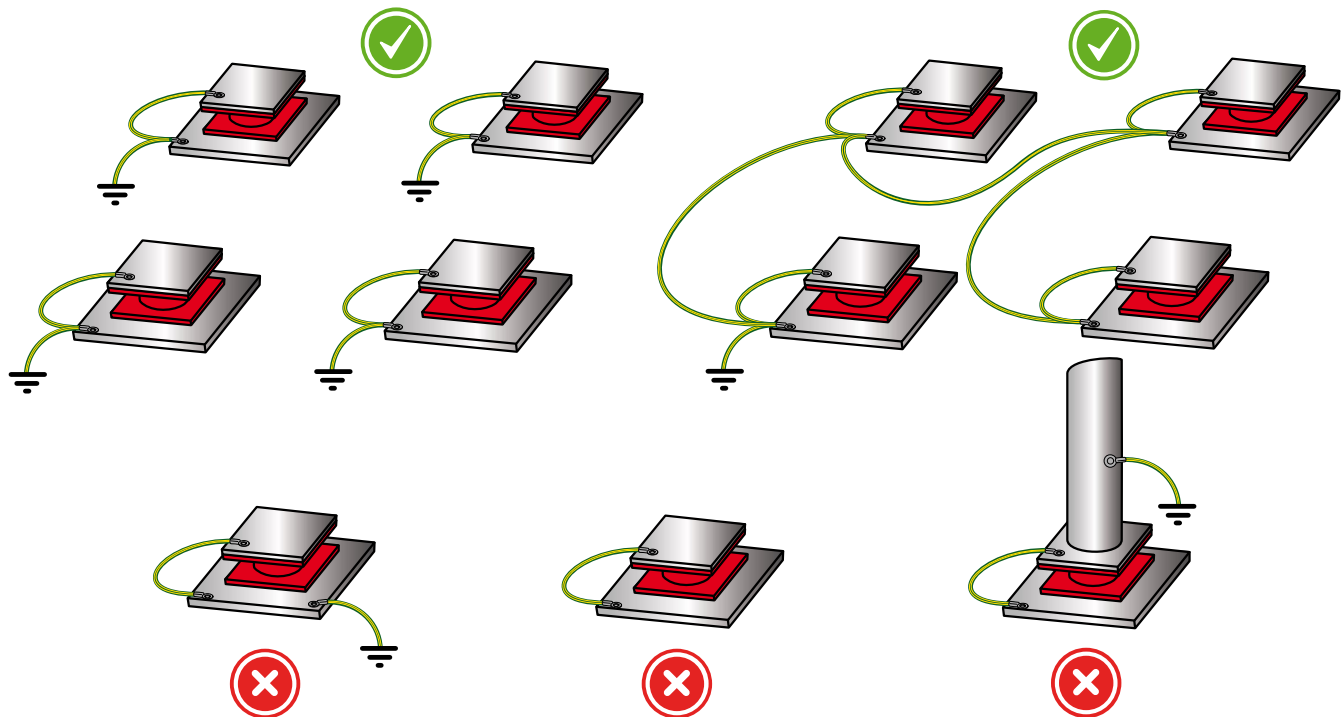
- The upper and lower plate of the kit must be perfectly flat and aligned with each other.
- The center of the surface imposed on the kit (for example the center of the foot of a silo) must match with the center of the upper plate of the kit.

GROUNDING THE WEIGHING SYSTEM

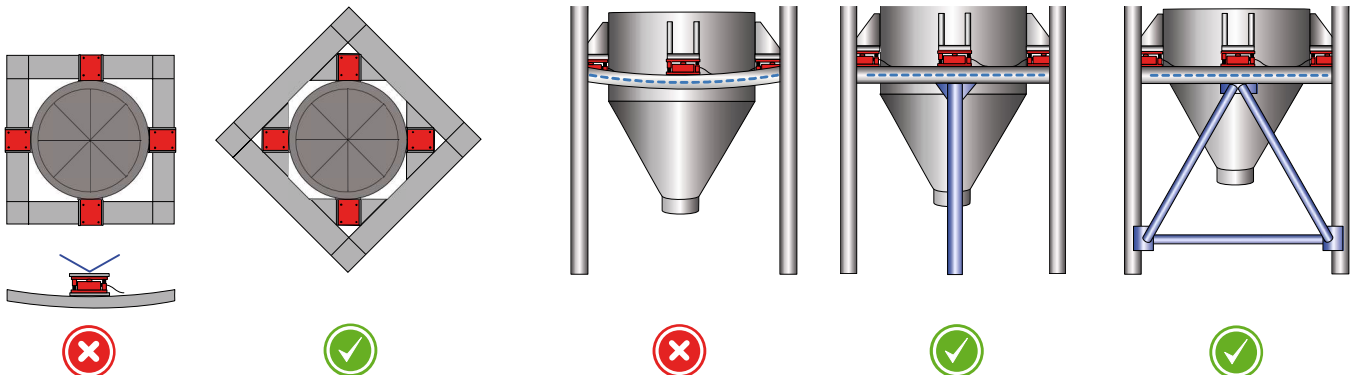


The grounding of the structure is indispensable to guarantee an optimum protection of the load cells from electrostatic discharge. A bridge between the upper plate and the lower plate of the kit is necessary and it could be created by using a cable or a copper braid of appropriate diameter.

The failure of this assembly may not immediately affect the functioning of the system, but it can cause failure, even irreversible, of all the load cells and the attached weight indicator.



NOTES ABOUT THE BEARING STRUCTURE



It is necessary to study with great attention the placement of the load cells and the mechanical features of the structure, avoiding any irregular

bending and deformation. The support surface, on where the kit will be installed, must be rigid and stable. If during the use of the system any bending

or abnormal deformations are noted, it will be appropriate to reinforce the system by applying supports, tie rods, etc.