

LOAD CELLS AND MOUNTING KITS



CE

UK
CA

OIML

ATEX

EAC

G

Ex

IECEx

EAC Ex

new

DIGITAL

SINGLE POINT

BENDING BEAM

SHEAR BEAM

DOUBLE SHEAR BEAM

COMPRESSION-LOW PROFILE

COMPRESSION / TENSION

TENSION

COLUMN

PIN

FOR FOOT BRAKE

ANCHOR

WIRE ROPE MEASURING

MOUNTING KITS AND COMPLEMENTARY ACCESSORIES

Certifications



Load cells and mounting kits

LAUMAS offers a wide range of load cells of the most common types in the main industrial sectors providing for each of them the quality, availability and assistance.

Load cells: Single point, shear beam, double shear, bending, tension, compression, low profile, pin, anchor, wire rope measuring, pre-amplified, column, foot brake, for weighing bridge, digital, load limiters.

Mounting kits for load cells: For all load cells, LAUMAS is able to provide suitable weigh modules, with the aim of obtaining the correct application of the cell and maximum reliability and accuracy, and compatibly with the mechanical, electrical and pneumatic connections present on the weighing structure.

LCB

Universal load cells digitizer

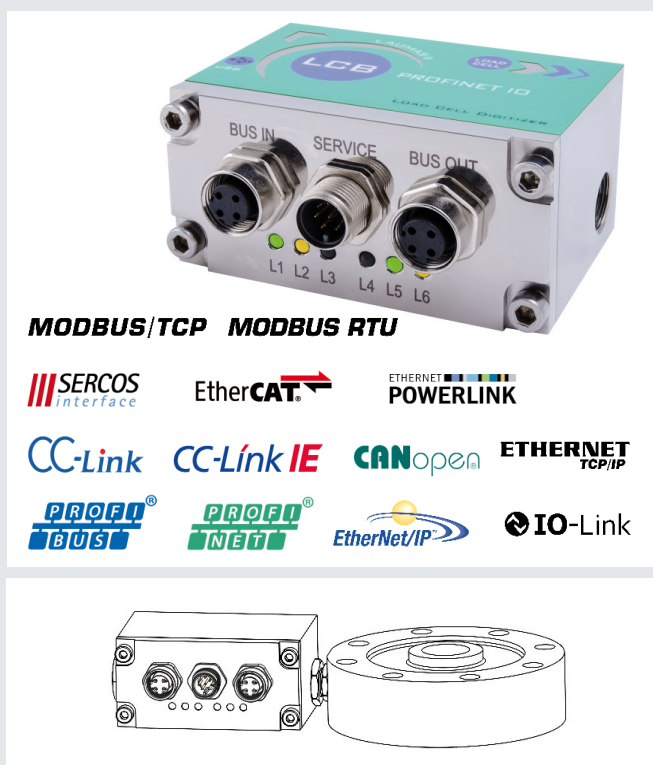
IoT INDUSTRY 4.0: designed for IoT (Internet of Things) applications, LCB converts analog load cells into digital and can be also used on existing load cells.

INTEGRATED FIELDBUS INTERFACEABLE WITH ANY PLC: conceived for assembly/wiring integral to the load cell body, it can be connected by fieldbus to PLCs of the most important international brands.

UNIVERSAL USE: it is compatible with any kind of load cell or strain gauge sensor distributed in the market, with mV/V.

SUITABLE FOR AGGRESSIVE ENVIRONMENTS: IP67 box made of AISI 316 stainless steel with special waterproof connectors, suitable to be installed even in aggressive environments.

CONFIGURATION: through the PC program included in the supply, it is possible to perform calibration, set inputs and outputs and store calibration data. PC connection via micro-usb port.



Production of load cells on CUSTOMER'S REQUEST

LAUMAS designs and manufactures "CUSTOM" load cells to offer the best solutions to customer needs. Customizations are designed to solve specific problems or meet particular needs of applications in special conditions.

- Pre-amplified load cells
- Biaxial and triaxial
- Two strain gauges Wheatstone bridges
- Torque detection
- Special cables high / low temperature with non-standard thermal compensation



LOAD CELLS**DIGITAL****2****SINGLE POINT****4/5****BENDING BEAM****5****SHEAR BEAM****6****DOUBLE SHEAR BEAM****7****COMPRESSION-LOW PROFILE****7****COMPRESSION / TENSION****8****TENSION (COMPRESSION)****8****TENSION****8****COLUMN****9****PIN****9****FOR FOOT BRAKE****9****ANCHOR****9****WIRE ROPE MEASURING****9****MOUNTING KITS FOR LOAD CELLS****for SINGLE POINT load cells****10****for BENDING BEAM load cells****10****for SHEAR BEAM load cells****11****for DOUBLE SHEAR BEAM load cells****11****for COMPRESSION-LOW PROFILE load cells****11/12****for COLUMN load cells****12****COMPLEMENTARY ACCESSORIES FOR LOAD CELLS****13/14****LEVEL MEASUREMENTS - FALSE CELLS****14**

LOAD CELLS

Certifications: **EAC**Certifications on request: **IECEx** **Ex** **EAC Ex** II 1GD (zone 0-1-2-20-21-22)

	CAPACITY kg	PLATFORM	MATERIAL PROTECTION RATING	COMBINED ERROR RATED OUTPUT	OIML R60 CERTIFICATION	OPTIONS ON REQUEST	KIT
	SINGLE POINT						
AF	5, 15, 50	150 x 150 mm	AISI 420 stainless steel IP65	≤ ±0.05% 3 mV/V ±5%	-	-	-
AS	0.25, 0.5, 1	200 x 200 mm	Aluminum alloy IP65	≤ ±0.03% 1 mV/V ±15%	-	-	-
ALL	3, 5, 10, 15, 20, 30, 50	250 x 350 mm	Aluminum alloy IP65	≤ ±0.02% (0.017% C4; 0.014% C5) 2 mV/V ±10%		  	page 14
PRC	6, 15, 30, 50	350 x 350 mm	AISI 420 stainless steel IP67	≤ ±0.02% 2 mV/V ±10%	-	-	page 14
AU	3, 6, 15	250 x 400 mm	Aluminum alloy	≤ ±0.02%	-	-	-
	30, 50	400 x 600 mm	IP65	2 mV/V ±10%			
AZL	10, 15, 20, 30, 50, 100	400 x 400 mm	Aluminum alloy IP65	≤ ±0.02% (0.017% C4) 2 mV/V ±10%		 for capacities: 15, 20, 30, 50 kg 	page 10 page 14
AZLI	10, 20, 50	400 x 400 mm	17-4 PH stainless steel	≤ ±0.02% (0.017% C4)		 for capacities: 10, 20, 50 kg IP69K: Declaration of conformity + IP69K marking protection rating	page 10
	100, 200, 300, 500	800 x 800 mm	IP68	2 mV/V ±10%		 for capacities from 20 to 500 kg	
AZS	10, 30, 50, 100, 200	400 x 400 mm	AISI 420 stainless steel IP67	≤ ±0.03% 2 mV/V ±10%	-	-	page 10 page 14
PTC	30, 50, 75, 100, 150	400 x 400 mm	AISI 420 stainless steel IP67	≤ ±0.02% 2 mV/V ±10%	-	-	-
AM	60, 100, 150, 200, 300	400 x 400 mm	Aluminum alloy IP65	≤ ±0.02% (0.017% C4; 0.014% C5) 2 mV/V ±5%		   Stainless steel + rubber waterproof kit	page 10 page 14

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	CAPACITY kg	PLATFORM	MATERIAL PROTECTION RATING	COMBINED ERROR RATED OUTPUT	OIML R60 CERTIFICATION	OPTIONS ON REQUEST	KIT
	SINGLE POINT						
APL	50, 100, 150, 200, 300, 500	600 x 600 mm	Aluminum alloy IP65	$\leq \pm 0.02\%$ (0.017% C4) 2 mV/V $\pm 10\%$	 OIML R60 C3	 for capacities: 150, 200, R60 C4 300, 500 kg Stainless steel + rubber waterproof kit	page 14
PEC	75, 150, 300, 500	600 x 600 mm	AISI 420 stainless steel IP67	$\leq \pm 0.02\%$ 2 mV/V $\pm 10\%$	-	-	page 14
AR	500, 1000	800 x 800 mm	Aluminum alloy IP65	$\leq \pm 0.02\%$ 2 mV/V $\pm 10\%$	-	-	-
ATL	1000, 2000	1200 x 1200 mm	Aluminum alloy IP65	$\leq \pm 0.02\%$ 2 mV/V $\pm 10\%$	 OIML R60 C3	-	-

CAPACITY kg		MATERIAL PROTECTION RATING	COMBINED ERROR RATED OUTPUT	OIML R60 CERTIFICATION	OPTIONS ON REQUEST	KIT
	BENDING BEAM					
FCK	5, 10	17-4 PH stainless steel IP68	$\leq \pm 0.02\%$ 2 mV/V $\pm 1\%$	-	-	page 10 page 13 page 14
FCOL	20, 50, 100, 200, 350, 500	17-4 PH stainless steel IP68	$\leq \pm 0.02\%$ (0.017% C4) 2 mV/V $\pm 1\%$	 OIML R60 C3	 OIML R60 C4  for capacities from 50 to 500 kg	page 10 page 13 page 14
FCAX	30, 50, 75, 150, 300, 500	AISI 420 stainless steel IP68	$\leq \pm 0.02\%$ 2 mV/V $\pm 0.4\%$	-	-	page 10 page 13 page 14
FCAL	50, 75, 150, 300	17-4 PH stainless steel IP68	$\leq \pm 0.017\%$ 2 mV/V $\pm 0.1\%$	 OIML R60 C3	-	page 10 page 13 page 14
FTP	75, 150, 300	AISI 420 stainless steel IP67	$\leq \pm 0.02\%$ 2 mV/V $\pm 0.4\%$	 OIML R60 C3	-	page 10 page 11 page 13
FTK	75, 150, 300	AISI 4340 nickel plated steel IP67	$\leq \pm 0.02\%$ 2 mV/V $\pm 0.4\%$	-	-	page 10 page 11 page 13

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	CAPACITY kg	MATERIAL PROTECTION RATING	COMBINED ERROR RATED OUTPUT	OIML R60 CERTIFICATION	OPTIONS ON REQUEST	KIT
SHEAR BEAM						
	FTL 300	17-4 PH stainless steel IP68	$\leq \pm 0.017\%$ 2 mV/V $\pm 0.1\%$		-	page 10 page 11 page 13
	FTK 500, 1000, 2000, 3000, 5000	AISI 4340 nickel plated steel IP68	$\leq \pm 0.02\%$ 2 mV/V $\pm 0.4\%$	 capacities from 1000 to 5000 kg	-	page 10 page 11 page 13
	FT-P 500, 1000, 2000	17-4 PH stainless steel IP68	$\leq \pm 0.02\%$ 2 mV/V $\pm 0.4\%$		IP69K: Declaration of conformity + IP69K marking protection rating	page 10 page 11 page 13
	FTKL 500, 1000, 1500, 2000, 3000, 5000	AISI 4340 nickel plated steel IP67	$\leq \pm 0.02\%$ (0.017% C4; 0.014% C5) 3 mV/V $\pm 0.4\%$		 R60 C4	page 10 page 11 page 13
	FTZ 500, 1000, 2000, 5000	17-4 PH stainless steel IP67	$\leq \pm 0.02\%$ 3 mV/V $\pm 0.4\%$		-	page 10 page 11 page 13
	FTZA 500, 1000, 2000, 5000, 7500, 10000	17-4 PH stainless steel IP68	$\leq \pm 0.02\%$ (0.017% C4) 2 mV/V $\pm 0.4\%$		 for capacities: 500, 1000, 2000 kg	-
	FCAX 750, 1000, 1500	AISI 420 stainless steel IP68	$\leq \pm 0.02\%$ 2 mV/V $\pm 0.4\%$	-	-	page 10 page 13 page 14
	FTP 500, 750, 1000, 1500, 2000, 3000, 5000, 10000	AISI 420 stainless steel IP68	$\leq \pm 0.02\%$ 2 mV/V $\pm 0.4\%$	 capacities from 500 to 2000 kg	IP69K: Declaration of conformity + IP69K marking protection rating	page 10 page 11 page 13
Suitable for on-board vehicle weighing						
	FTH 5000, 10000	Special steel IP68	$\leq \pm 0.1\%$ 1 mV/V $\pm 0.5\%$	-	-	-

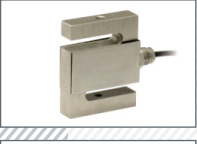
LOAD CELLS

Certifications: **EAC**Certifications on request: **IECEx** **Ex** **EAC Ex** II 1GD (zone 0-1-2-20-21-22)

CAPACITY kg		MATERIAL PROTECTION RATING	COMBINED ERROR RATED OUTPUT	OIML R60 CERTIFICATION	OPTIONS ON REQUEST	KIT
DOUBLE SHEAR BEAM						
DTL	25000	AISI 4340 nickel plated steel IP68	$\leq \pm 0.02\%$ 2 mV/V $\pm 0.2\%$		-	page 11 page 14
DTX	20klb / 9 ton 30klb / 13.6 ton 40klb / 18 ton 50klb / 23 ton 60klb / 27 ton	AISI 4340 nickel plated steel IP68	$\leq \pm 0.023\%$ 3.0 mV/V $\pm 0.1\%$		-	page 11
COMPRESSION-LOW PROFILE						
CK	200, 500, 1000, 2500	17-4 PH stainless steel IP67	$\leq \pm 0.5\%$ 1 mV/V $\pm 10\%$	-	-	-
CLS	1000, 2000, 5000	AISI 420 stainless steel IP68	$\leq \pm 0.03\%$ 2 mV/V $\pm 0.4\%$	-	-	page 11 page 13
CBL	250, 500, 1000, 2500, 5000, 7500, 10000, 12500, 15000, 30000, 50000, 100000	17-4 PH stainless steel IP68	$\leq \pm 0.03\%$ (0.02% C3) 2 mV/V $\pm 0.1\%$	 capacities from 2500 to 10000 kg  on request	 capacities from 2500 to 12500 kg • 10 m long cable version. • Accredia traceable calibration report (EA, ILAC, IAF). • Two redundant strain gauges Wheatstone bridges (350 Ω) with two output cables; for dual safety systems. • AISI 420 stainless steel version (not OIML approved). • IP69K: Declaration of conformity + IP69K marking protection rating	page 12 page 14
CBX	15000, 30000, 50000	17-4 PH stainless steel IP68	$\leq \pm 0.035\%$ 2 mV/V $\pm 0.1\%$	-	• Accredia traceable calibration report (EA, ILAC, IAF) • Two redundant strain gauges Wheatstone bridges (350 Ω) with two output cables; for dual safety systems.	page 12 page 14
CBLs	200000, 300000, 500000, 750000	17-4 PH stainless steel IP68	$\leq \pm 0.10\%$ 2 mV/V $\pm 0.1\%$	-	• Accredia traceable calibration report (EA, ILAC, IAF) • Two redundant strain gauges Wheatstone bridges (350 Ω) with two output cables; for dual safety systems.	page 14

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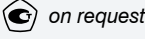
 Certifications: **CE** Certifications on request (except for CLBT): **IECEx** **Ex** **EAC Ex** II 1GD (zone 0-1-2-20-21-22)

	CAPACITY kg	MATERIAL PROTECTION RATING	COMBINED ERROR RATED OUTPUT	OIML R60 CERTIFICATION	OPTIONS ON REQUEST	KIT
COMPRESSION / TENSION						
	CLBT	Aluminium alloy 17-4 PH* stainless steel IP65	$\leq \pm 0.05\%$ 2 mV/V $\pm 10\%$	-	-	-
	CL	500, 1000, 2000, 5000, 10000, 20000, 30000, 60000, 100000*, 150000*, 200000*	17-4 PH stainless steel IP68 IP67*	$\leq \pm 0.05\%$ 2 mV/V $\pm 0.3\%$	-	- Accredia traceable calibration report (EA, ILAC, IAF) - Two redundant strain gauges Wheatstone bridges (350 Ω) with two output cables; for dual safety systems.
	CLK	2000, 5000, 10000*, 20000*	Special steel IP67	$\leq \pm 0.05\%$ $\leq \pm 0.1\%$ * 2 mV/V $\pm 0.3\%$	-	-
TENSION (COMPRESSION)						
	SA	15, 30, 60	AISI 4140 nickel plated steel IP65	$\leq \pm 0.02\%$ 2 mV/V $\pm 10\%$		- page 13
	SL	25, 100, 200, 300, 500, 1000, 2500	AISI 4340 nickel plated steel IP67	$\leq \pm 0.02\%$ (0.017% C4) 2 mV/V $\pm 0.2\%$	 capacities from 100 to 2500 kg	 capacities from 100 to 2500 kg for capacities: 100, 500, 1000, 2500 kg page 13
Can also be used as load limiter for lifting equipment						
	CTOL	50, 100, 200, 300	AISI 420 stainless steel	$\leq \pm 0.03\%$	-	- page 13
		500, 1000, 2500, 5000	IP67	2 mV/V $\pm 0.4\%$	-	
	CTL	100, 200, 300, 500, 1000, 2500, 5000, 7500, 10000, 12500	17-4 PH stainless steel IP68	$\leq \pm 0.02\%$ 2 mV/V $\pm 0.1\%$	 capacities from 500 to 12500 kg  on request	- Accredia traceable calibration report (EA, ILAC, IAF) - Two redundant strain gauges Wheatstone bridges (350 Ω) with two output cables; for dual safety systems. - IP69K: Declaration of conformity + IP69K marking protection rating. page 13
TENSION						
Can also be used as load limiter for lifting equipment						
	TAL	5000, 10000, 20000	17-4 PH stainless steel IP68	$\leq \pm 0.03\%$ 2 mV/V $\pm 0.1\%$	-	- Accredia traceable calibration report (EA, ILAC, IAF) - Two redundant strain gauges Wheatstone bridges (350 Ω) with two output cables; for dual safety systems. -
	TBT	30000, 40000, 50000, 60000, 100000, 250000	17-4 PH stainless steel IP68	$\leq \pm 0.08\%$ 1.0 mV/V $\pm 0.1\%$	-	- Accredia traceable calibration report (EA, ILAC, IAF) - Two redundant strain gauges Wheatstone bridges (350 Ω) with two output cables; for dual safety systems. -

LOAD CELLS

 Certifications: **EAC**

 Certifications on request: **TECEX** **Ex** **EAC Ex** II 1GD (zone 0-1-2-20-21-22)

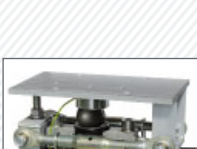
	CAPACITY kg	MATERIAL PROTECTION RATING	COMBINED ERROR RATED OUTPUT	OIML R60 CERTIFICATION	OPTIONS ON REQUEST	KIT
COLUMN						
 COK	15000, 25000, 50000	AISI 4340 nickel plated steel	$\leq \pm 0.02\%$	 OIML R60 C3	-	page 11
	COK-AR 25000 anti rat cable	IP68	2 mV/V $\pm 0.1\%$	 on request	-	page 12
 CO	25000	17-4 PH stainless steel	$\leq \pm 0.017\%$	 OIML R60 C4	-	page 12
		IP68	2 mV/V $\pm 0.1\%$	 on request	-	
 COL	30000, 60000	17-4 PH stainless steel	$\leq \pm 0.013\%$	 OIML R60 C4	-	page 11
		IP68	2 mV/V $\pm 0.1\%$	 on request	-	page 12
PIN						
Can also be used as load limiter for lifting equipment						
 LAU	5000, 10000, 20000	17-4 PH stainless steel	$\leq \pm 0.1\%$	-	• Accredia traceable calibration report (EA, ILAC, IAF) • Two redundant strain gauges Wheatstone bridges (350 Ω) with two output cables; for dual safety systems.	-
		IP67	1 mV/V $\pm 0.1\%$			
FOR FOOT BRAKE						
 LPED	100	Aluminum	$\leq \pm 0.08\%$	-	• Accredia traceable calibration report (EA, ILAC, IAF) • Two redundant strain gauges Wheatstone bridges (350 Ω) with two output cables; for dual safety systems.	-
		IP65	1 mV/V $\pm 0.2\%$			
ANCHOR						
 CA	30000, 50000, 75000, 100000, 125000, 150000, 180000, 250000	17-4 PH stainless steel	$\leq \pm 0.1\%$	-	• Accredia traceable calibration report (EA, ILAC, IAF) • Two redundant strain gauges Wheatstone bridges (350 Ω) with two output cables; for dual safety systems.	page 14
		IP68	2 mV/V $\pm 0.1\%$			
WIRE ROPE MEASURING						
Suitable as load limiter for lifting equipment						
	CAPACITY kg	ROPE mm	MATERIAL PROTECTION RATING	COMBINED ERROR RATED OUTPUT	OIML R60 CERTIFICATION	OPTIONS ON REQUEST
 FUN	2000	6-14	AISI 4140 nickel plated steel	Switching accuracy $\pm 2\%$ on Full Scale	-	-
	4000	10-18				
	10000	16-26				
	20000	24-36	IP67	3 mV/V $\pm 0.1\%$	-	-
	40000	24-36				

MOUNTING KITS FOR LOAD CELLS

MODEL	APPLICATION RANGE	DESCRIPTION	FOR LOAD CELLS	
 for SINGLE POINT load cells				
 T8AZL T8AM	up to 300 kg	Mounting kit provided with adjustable upper plate in galvanized steel (PPVZ); lower plate and block in galvanized steel; constraint against lateral forces and anti-tilt by self-centring galvanized steel joint foot; adjustable height.	AZL, AZLI, AZS, AM	
 for BENDING BEAM load cells				
 TFCPV TFCPV10	up to 200 kg up to 300 kg	Mounting kit provided with adjustable upper plate in AISI 304 stainless steel (PPV); lower plate and block in AISI 304 stainless steel; constraint against lateral forces and anti-tilt by self-centring joint foot in stainless steel; partial height adjustment.	FCK, FCOL	
			FCOL: 350÷500 kg	
 TFCGP	up to 300 kg	Mounting kit provided with upper plate with a compression joint in AISI 304 stainless steel and rubber; lower plate and block in AISI 304 stainless steel.	FCK, FCOL	
 TFCFSB	up to 300 kg	Mounting kit provided with compression joint in AISI 304 stainless steel and rubber; lower plate and block in AISI 304 stainless steel.	FCK, FCOL	
 TFPV TFPVZ	up to 500 kg	Mounting kit provided with adjustable upper plate in AISI 304 stainless steel (PPV) or galvanized steel (PPVZ); lower plate and block in AISI 304 stainless steel; constraint against lateral forces and anti-tilt by self-centring joint foot in stainless steel (TF-PV, TF-PV-2000) or in galvanized steel (TF-PVZ); partial height adjustment.	FCAL FCAX: 30÷500 kg	B
 TFPV2000	up to 1500 kg		FCAX: 30÷500 kg FCAX: 750÷1500 kg	B S
 TFFSB	up to 500 kg	Mounting kit provided with compression joint in AISI 304 stainless steel and rubber; lower plate and block in AISI 304 stainless steel.	FCAL FCAX: 30÷500 kg	B
 TFAST	up to 500 kg	Mounting kit provided with tension ball joint in aluminum alloy; lower plate and block in AISI 304 stainless steel; galvanized screws.	FCAL FCAX: 30÷500 kg	B
 TFGP TFGP2000	up to 500 kg up to 1500 kg	Mounting kit provided with upper plate with a compression joint in AISI 304 stainless steel and rubber; lower plate and block in AISI 304 stainless steel.	FCAL FCAX: 30÷500 kg	B
			FCAL FCAX: 30÷500 kg FCAX: 750÷1500 kg	B S
 T12FCAGP	up to 1500 kg	Mounting kit provided with upper plate with a compression joint in AISI 304 stainless steel and rubber; lower plate, block and screws in galvanized steel.	FCAL FCAX: 30÷500 kg FCAX: 750÷1500 kg	B S
 T12FTAGP	up to 2000 kg	Mounting kit provided with upper plate with a compression joint in AISI 304 stainless steel and rubber; lower plate, block and screws in galvanized steel.	FTL, FTKL, FT-P, FTZ FTK: 75÷300 kg FTK: 500÷2000 kg FTP: 75÷300 kg FTP: 500÷2000 kg	B S B S

B = bending beam load cell; S = shear beam load cell

MOUNTING KITS FOR LOAD CELLS

MODEL	APPLICATION RANGE	DESCRIPTION	FOR LOAD CELLS
for SHEAR BEAM load cells			
 TF500	up to 500 kg	Mounting kit provided with upper plate with a compression joint in AISI 304 stainless steel and rubber. TF500: lower plate, block and screws in AISI 304 stainless steel TF2000: lower plate, block and screws in AISI 304 stainless steel TF2000Z: lower plate, block and screws in galvanized steel	FTL, FTKL, FT-P, FTZ FTK: 75÷300 kg FTK: 500 kg FTP: 75÷300 kg FTP: 500 kg B S B S
 TF2000 TF2000Z	up to 2000 kg		FTL, FTKL, FT-P, FTZ FTK: 75÷300 kg FTK: 500÷2000 kg FTP: 75÷300 kg FTP: 500÷2000 kg B S B S
 PV PVZ	up to 2000 kg	Mounting kit provided with adjustable upper plate in AISI 304 stainless steel (PPV) or galvanized steel (PPVZ); constraint against lateral forces and anti-tilt by self-centring joint foot; adjustable height. PV: lower plate, block and foot in stainless steel PVZ: lower plate, block and foot in galvanized steel	FTL, FTKL, FT-P, FTZ FTK: 75÷300 kg FTK: 500÷2000 kg FTP: 75÷300 kg FTP: 500÷2000 kg B S B S
 TFPS2000 TFPS2000INOX	up to 2000 kg	Galvanized steel (TFPS2000) or stainless steel (TFPS2000INOX) mounting kit designed for weighing silos, tanks, mixing machines and hoppers subject to vibrations caused by moving parts; constraint against lateral forces and anti-tilt by ball joint; adjustable height.	FTL, FTKL, FT-P, FTZ FTK: 75÷300 kg FTK: 500÷2000 kg FTP: 75÷300 kg FTP: 500÷2000 kg B S B S
 PV80 PV60Z	up to 5000 kg	Mounting kit provided with adjustable upper plate in AISI 304 stainless steel (PPV80); constraint against lateral forces and anti-tilt by self-centring joint foot in stainless steel; adjustable height. PV80: lower plate and block in AISI 304 stainless steel PV60Z: lower plate and block in galvanized steel	FTP: 3000÷5000 kg FTZ: 5000 kg S FTK: 3000÷5000 kg S
 PS PS10T	up to 5000 kg up to 10000 kg	Hot worked galvanized steel mounting kit designed for weighing silos, tanks, mixing machines and hoppers subject to vibrations caused by moving parts; constraint against lateral forces and anti-tilt by ball joint; adjustable height.	FTP: 3000÷5000 kg FTK: 3000÷5000 kg FTZ: 5000 kg S S FTP: 10000 kg S
for DOUBLE SHEAR BEAM load cells			
 VCOKDTL	up to 50000 kg	Galvanized steel mounting kit designed for weighing silos, tanks, mixing machines and hoppers subject to vibrations caused by moving parts.	DTL COL COK
 VDTX	up to 60 klb/27 ton	Nickel-plated steel alloy mounting kit for rigid attachment of the load cell. It prevents horizontal movement.	DTX: 30÷60 klb
for COMPRESSION-LOW PROFILE load cells			
 PVCLS	up to 2000 kg	Mounting kit provided with adjustable upper plate in AISI 304 stainless steel (PPV); constraint against lateral forces and anti-tilt by self-centring joint foot in stainless steel; adjustable height.	CLS: 1000÷2000 kg
 PV80CLS	up to 5000 kg	Mounting kit provided with adjustable upper plate in AISI 304 stainless steel (PPV80); constraint against lateral forces and anti-tilt by self-centring joint foot in stainless steel; adjustable height.	CLS: 5000 kg

MOUNTING KITS FOR LOAD CELLS

MODEL	APPLICATION RANGE	DESCRIPTION	FOR LOAD CELLS
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for COMPRESSION-LOW PROFILE load cells

	PSCLS2000	up to 2000 kg	Hot worked galvanized steel mounting kit designed for weighing silos, tanks, mixing machines and hoppers subject to vibrations caused by moving parts; constraint against lateral forces and anti-tilt by ball joint; adjustable height.	CLS: 1000÷2000 kg
	PSCLS	up to 5000 kg		CLS: 5000 kg
	V10000 V10275	up to 15000 kg	AISI 304 stainless steel mounting kit designed for weighing silos, tanks, mixing machines and hoppers subject to vibrations caused by moving parts; laminas against lateral forces, anti-tilt and jack functions.	CBL: 250÷12500 kg CBX: 15000 kg
	V15000	up to 30000 kg		CBL: 15000 kg *CBX: 30000 kg
	V30000	up to 50000 kg	AISI 304 stainless steel mounting kit designed for weighing silos, tanks, mixing machines and hoppers subject to vibrations caused by moving parts; laminas against lateral forces, anti-tilt and jack functions.	CBL: 30000 kg *CBX: 50000 kg
	V100000	up to 100000 kg		CBL: 50000÷100000 kg *CBX: 50000 kg
	P10000 + BASESUP	up to 15000 kg	Lower plate and turned upper base in AISI 304 stainless steel.	CBL: 250÷12500 kg CBX: 15000 kg
	BASEINF + BASESUP	up to 15000 kg	Turned upper and lower bases in AISI 304 stainless steel.	CBL: 250÷12500 kg CBX: 15000 kg
	PIASTRA + BASEINF	up to 15000 kg	Lower plate and turned lower base in AISI 304 stainless steel.	CBL: 250÷12500 kg CBX: 15000 kg

for COLUMN load cells

	KIT_COK	up to 50000 kg	Mounting kit composed by anti-rotation system, protective rubber seal, 2 bases (upper and lower) and 3 self-centering cylindrical plates. KIT_COK: AISI 5140 nickel plated steel KIT_COL: AISI 420 hardened steel	COK COK-AR
	KIT_COL	up to 60000 kg		COL
	KIT_CO	up to 25000 kg	Stainless steel mounting kit composed by anti-rotation system with O-ring and 2 bases (upper and lower).	CO
	PIA_CO		Kit composed by 2 AISI 5140 nickel plated steelplates (upper and lower) for KIT_CO bases.	

COMPLEMENTARY ACCESSORIES FOR LOAD CELLS

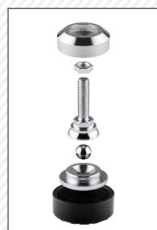
MODEL	DESCRIPTION	FOR LOAD CELLS
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Adjustable upper plate



PPV	Steel plates for self-centring joint foot.		FTK, FTKL, FTL, FTP, FT-P, FTZ
PPVZ	max 2000 kg	AISI 304 stainless steel	FTK, FTKL, FTL, FTP, FT-P, FTZ
PPV80	max 2000 kg	galvanized steel	FTK, FTP, FTZ
PPV60Z	max 5000 kg	AISI 304 stainless steel	FTK, FTP, FTZ
	max 5000 kg	galvanized steel	FTK, FTP, FTZ

Self-centring joint foot



PIEDINOSB2M8	M8	Ø60xH92 mm	max 500 kg	stainless steel	FCAL, FCAX, FCOL, FTK, FTKL, FTL, FTP, FT-P, FTZ
PIEDINOSB2M10	M10	Ø60xH92 mm	max 500 kg	stainless steel	
PIEDINOSB2INOX	M12	Ø60xH92 mm	max 2000 kg	stainless steel	
PIEDINOPXCI	M12	Ø60xH78 mm	max 2000 kg	stainless steel	
PIEDINOSB2M20	M20	Ø80xH105 mm	max 5000 kg	stainless steel	
PIEDINOPXC	M12	Ø60xH78 mm	max 2000 kg	galvanized steel	
PIEDINOSB2ZNC	M12	Ø60xH86 mm	max 2000 kg	galvanized steel	
PIEDINOSB2ZNCM20	M20	Ø62xH110 mm	max 5000 kg	galvanized steel	

Accessory with ball



ACCSFERM12	M12 x 1.75 mm	stainless steel / max static load 2000 kg	FTKL, FTL, FTP, FT-P, FTK, FTZ, CLS
ACCSFERM20	M20 x 2.50 mm	stainless steel / max static load 5000 kg	FTK, FTKL, FTP 3000-5000 kg, FTZ 5000 kg, CLS 5000 kg

Compression joint



ANTIV35	Stainless steel + rubber joints, to compensate for any misalignments of the support plates:		FCOL, FCK
ANTIV40	Ø25x63 mm; M8x1.25 mm; max static load 500 kg		FTKL, FTL, FCAL, FCAX, FTP, FT-P, FTK, FTZ CLS
ANTIV45	Ø30x75 mm; M12x1.75 mm; max static load 2000 kg		FCAL, FCAX
	Ø30x79 mm; M12x1.75 mm; max static load 2000 kg		

Spherical plain thrust bearings to compensate for any misalignments of the support plates

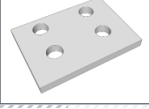
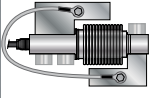
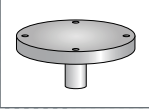


SNODOGE12AX	Steel joint; max static load 2000 kg.		CLS, FTK, FTKL, FTL, FTP, FT-P, FTZ
SNODOGE20AXKIT	Kit composed by steel joint + galvanized bolt (20x80 mm) and washer (22x60 mm); max static load 5000 kg.		CLS 5000 kg, FTK 3000-5000 kg, FTKL, FTZ 5000 kg, FTP 3000-5000 kg
SNODOGE25AXKIT	Kit composed by steel joint + galvanized bolt (24x100 mm) and washer (26x72 mm); max static load 10000 kg.		FTP 10000 kg

Ball-and-socket joint

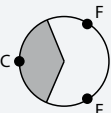
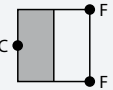
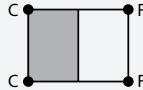


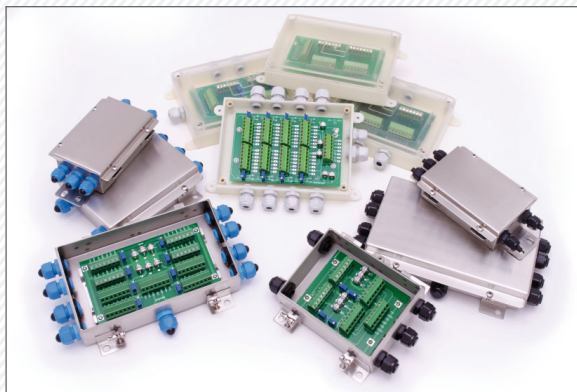
EM12DADOINOX	M12 x 1.75 mm	stainless steel	SL, CTOL, CTL
EM16DADOINOX	M16 x 2.00 mm		CTOL, CTL
EM20DADOINOX	M20 x 1.50 mm		SL, CTOL, CTL
EM24DADOINOX	M24 x 2.00 mm		CTOL, CTL
EM6DADO	M6 x 1.00 mm	galvanized C45 steel	SA
EM8DADO	M8 x 1.25 mm		SL
EM10DADO	M10 x 1.50 mm		SL
EM12DADO	M12 x 1.75 mm		SL, CTOL, CTL
EM16DADO	M16 x 2.00 mm		CTOL, CTL
EM20DADO	M20 x 1.50 mm		SL, CTOL, CTL
EM25DADO	M24 x 2.00 mm		CTOL, CTL
EM30DADO	M30 x 2.00 mm		CTL
EM35DADO	M36 x 3.00 mm		CTL

MODEL / DESCRIPTION	FOR LOAD CELLS
 TENDITORE300 Galvanized steel stay rod with dual ball-and-socket joints suitable for static applications, to be placed horizontally. Working load: 2500 kg Breaking load: 10000 kg	-
 PTEND Galvanized steel anchor plate for TENDITORE300.	-
 STAFFEALL Pair of tension stainless steel brackets (max 50 kg).	ALL
 IP68 -AM/APL Stainless steel + rubber waterproof kit.	AM, APL
 BLOCPRC Stainless steel drawn block 31x30 mm; thickness 10 mm	AZS, PRC
 BLOCT8Z Galvanized steel drawn block 36x35 mm; thickness 10 mm	AZL, AM
 BLOCAPL Stainless steel drawn block 60x43 mm; thickness 5 mm	APL
 BLOCEC Stainless steel drawn block 50x32.5 mm; thickness 5 mm	PEC
 STAFFE -FC/FCAX Pair of tension stainless steel brackets: max static load: 100 kg max static load: 300 kg	FCK, FCOL FCAX, FCAL
 PIATTODTL Galvanized steel plate 210x80 mm; thickness 12 mm	DTL
 BINFCLBT Lower base for tension operation.	CLBT

MODEL / DESCRIPTION	FOR LOAD CELLS
 BASESUPFIL Threaded upper base in AISI 304 stainless steel for compression load cells.	CBL CBX
	
BINF100 Ø110x22 mm BINF126 Ø140x23 mm BINF165 Ø180x23 mm	CBL: 15000 kg CBX: 30000 kg CBL: 30000 kg CBX: 50000 kg CBL: 50000 ÷ 100000 kg
AISI 304 stainless steel adapter for mounting kits: V15000, V30000, V100000.	
ADAT100CBX15T Ø100x6 mm ADAT126CBX30T Ø126x9 mm ADAT165CBX50T Ø165x29 mm	CBX: 15000 kg CBX: 30000 kg CBX: 50000 kg
Upper plate BOTTONE200 Ø119 mm; thickness 60 mm BOTTONE Ø198 mm; thickness 60 mm BOTTONE750 Ø198 mm; thickness 89 mm	CBLS: 200000 kg CBLS: 300000 kg CBLS: 500000 ÷ 750000 kg
Galvanized steel upper / lower plate for load distribution.	
PIAS50CASUP Ø98x25 mm PIAS75CASUP Ø98x27.5 mm PIAS120CASUP Ø150x27.5 mm PIAS165CASUP Ø199x30 mm PIAS225CASUP Ø250x30 mm PIAS50CAINF Ø170x25 mm PIAS75CAINF Ø170x25 mm PIAS120CAINF Ø240x30 mm PIAS165CAINF Ø290x30 mm PIAS225CAINF Ø330x35 mm	CA

LEVEL MEASUREMENTS - FALSE CELLS

CAPACITY kg	MATERIAL	DESCRIPTION
 ML CBL250-10000 - CBX15000 CBL15000 - CBX3000 CBL30000 - CBX5000 CBL50000-100000	Stainless steel	"False cells" (ML) are 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. False cells feature similar dimensions to the load cells and can be mounted on the same accessories as the latter.
FCAL-FCAX FCK-FCOL FTK75-2000 FTP75-2000 FTL300 FTZ500-2000 FTK3000-5000 FTP3000-5000	Galvanized steel	- Structure with 3-point support = 1 load cell + 2 false cells - Structure with 4-point support = 2 load cells + 2 false cells  Signal mV x 3  Signal mV x 2  Signal mV x 2 C = SUPPORT FOOT WITH LOAD CELL F = SUPPORT FOOT WITH FALSE CELL



JUNCTION BOXES

Stainless steel or ABS junction boxes, including equalization boards or parallel connection boards, to connect from 1 to 4 or from 5 to 8 load cells.
IP67 protection rating.
Lightning and electrical shock protection versions.
ATEX II 1GD certified versions.

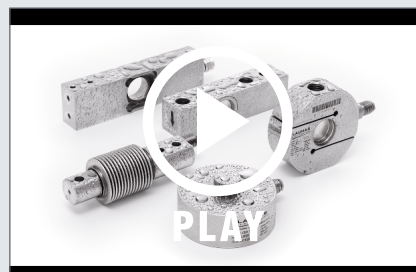
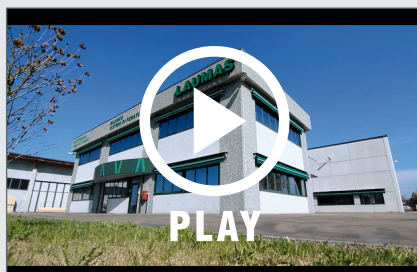


IP68

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Watch the presentation video of each product.

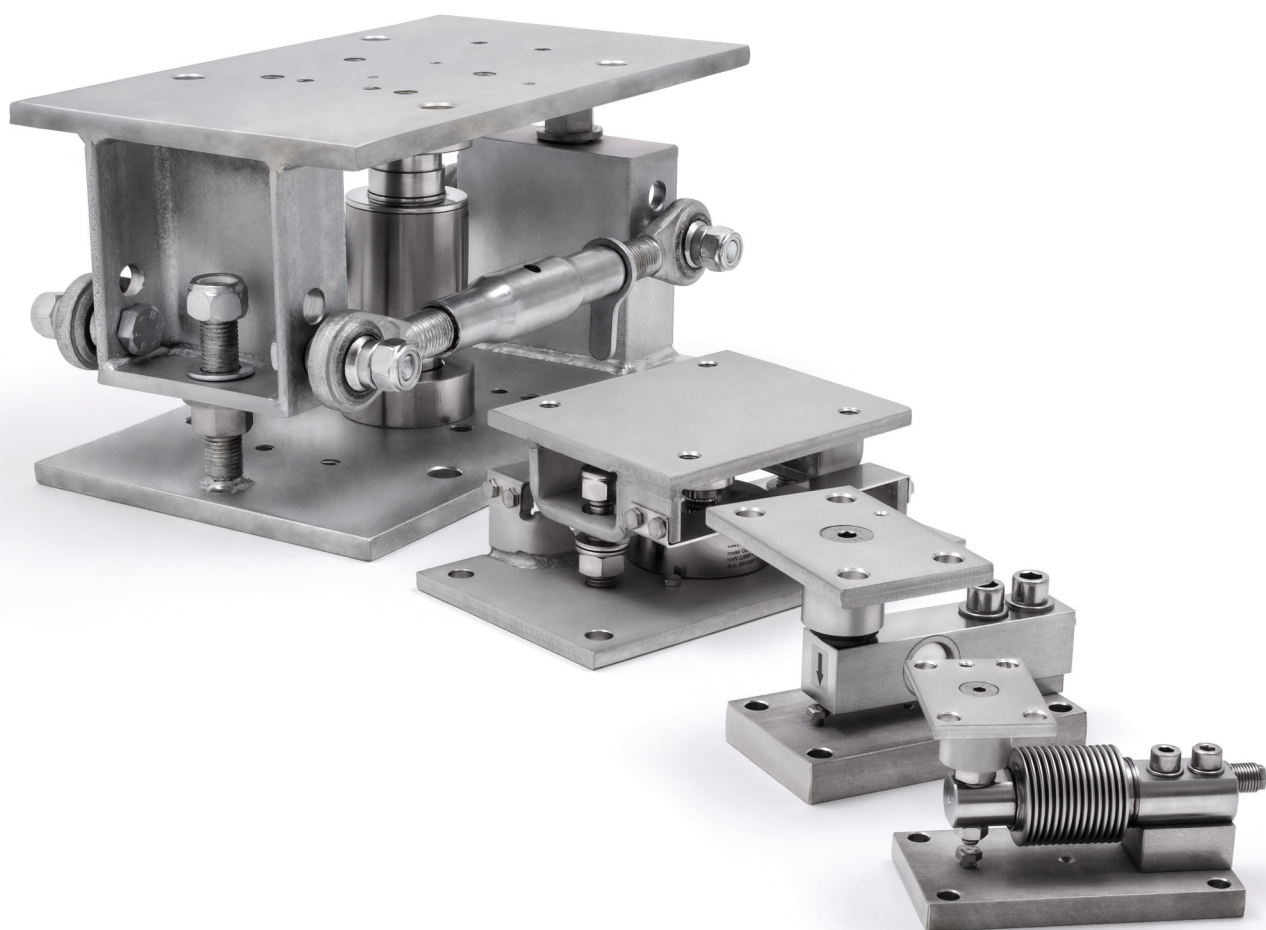


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