

LOAD CELLS AND MOUNTING KITS



SINGLE POINT

BENDING BEAM

SHEAR BEAM

DOUBLE SHEAR BEAM

COMPRESSION-LOW PROFILE

COLUMN

COMPRESSION / TENSION

TENSION

PIN

FOR FOOT BRAKE

ANCHOR

WIRE ROPE MEASURING

MOUNTING KITS AND COMPLEMENTARY ACCESSORIES

LEVEL MEASUREMENTS - FALSE CELLS

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.

Certifications



OIML R60 - International Organization of Legal Metrology



ATEX/IECEx - Directive 2014/34/EU - for use in potentially explosive atmosphere



NTEP - compliant to the metrological standards of United States and Canada



EAC - conforme aux normes de l'Union Douanière Eurasienne (Russie, Biélorussie, Kazakhstan)



IP69K - watertight protection against dust and water



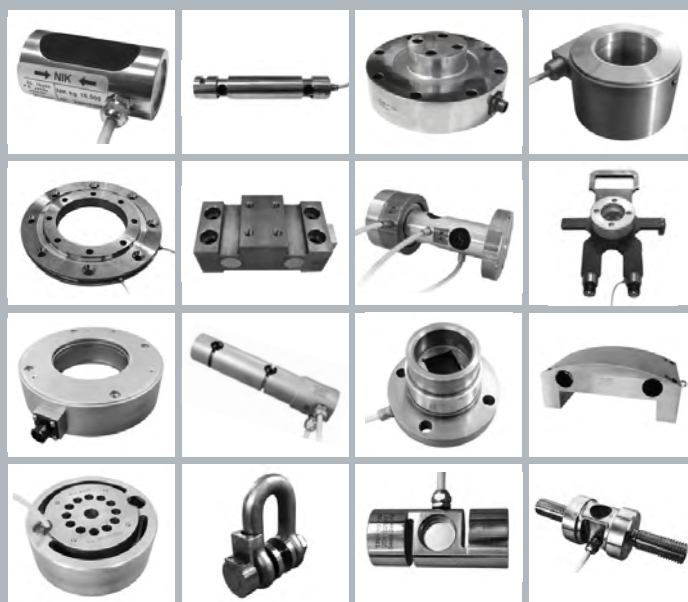
Calibration report (ACCREDIA LAT traceability)

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



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LOAD CELLS

For all models on request:   II 1GD (zone 0-1-2-20-21-22) - EAC

	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	Special steel IP65	≤ ±0.05% 3 mV/V ±5%	-	-	-
AS	0.25, 0.5, 1	200 x 200 mm	Aluminum alloy IP65	≤ ±0.03% 1-2 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: R60 C4 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: R60 C4 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%			
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

LOAD CELLS

For all models on request:   II 1GD (zone 0-1-2-20-21-22) - **EAC**

	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 $\pm 10\%$		 for capacities: 150, 200, 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 $\pm 10\%$		-	-

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	Special steel IP67	$\leq \pm 0.02\%$ 2 mV/V $\pm 0.4\%$	-	-	page 10 page 11 page 13

LOAD CELLS

For all models on request:   II 1GD (zone 0-1-2-20-21-22) - **EAC**

	CAPACITY kg	MATERIAL PROTECTION RATING	COMBINED ERROR RATED OUTPUT	OIML R60 CERTIFICATION	OPTIONS ON REQUEST	KIT
SHEAR BEAM						
	FTL	300, 500, 1000, 2000	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	Special 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	Special steel IP67	$\leq \pm 0.02\%$ (0.017% C4; 0.014% C5) 3 mV/V $\pm 0.4\%$	   	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 $\pm 0.4\%$	 capacities from 5000 to 10000 kg  capacities from 500 to 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, 1200, 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	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 $\pm 0.5\%$	-	-
DOUBLE SHEAR BEAM						
	DTL	25000	Special steel IP68	$\leq \pm 0.02\%$ 2 mV/V $\pm 0.2\%$	 -	page 11 page 14

LOAD CELLS

For all models on request:   II 1GD (zone 0-1-2-20-21-22) - EAC

	CAPACITY kg	MATERIAL PROTECTION RATING	COMBINED ERROR RATED OUTPUT	OIML R60 CERTIFICATION	OPTIONS ON REQUEST	KIT
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	 capacities from 2500 to 12500 kg • 10 m long cable version. • Calibration report (ACCREDIA LAT traceability). • 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 $\pm 0.1\%$	-	• Calibration report (ACCREDIA LAT traceability). • 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 $\pm 0.1\%$	-	• Calibration report (ACCREDIA LAT traceability). • Two redundant strain gauges Wheatstone bridges (350 Ω) with two output cables; for dual safety systems.	page 14
COLUMN						
	COK 15000, 25000, 50000 COK-AR 25000 anti rat cable	Special steel IP68	$\leq \pm 0.02\%$ 2 mV/V $\pm 0.1\%$		-	page 11 page 12
	CO 25000	17-4 PH stainless steel IP68	$\leq \pm 0.017\%$ 2 mV/V $\pm 0.1\%$		-	page 12
	COL 30000, 60000	17-4 PH stainless steel IP68	$\leq \pm 0.013\%$ 2 mV/V $\pm 0.1\%$		-	page 11 page 12
	COLD 30000	17-4 PH stainless steel IP68	$\leq \pm 0.013\%$ 200000 $\pm 0.05\%$ counts (RS485)		-	page 11 page 12

LOAD CELLS

For all models on request:   II 1GD (zone 0-1-2-20-21-22) - **EAC**

CAPACITY kg	MATERIAL PROTECTION RATING	COMBINED ERROR RATED OUTPUT	OIML R60 CERTIFICATION	OPTIONS ON REQUEST	KIT
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COMPRESSION / TENSION

	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 $\pm 0.3\%$	-	- Calibration report (ACCREDIA LAT traceability). - 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	Special steel IP65	$\leq \pm 0.02\%$ 2 mV/V $\pm 10\%$		-	page 13
	SL	25, 100, 200, 300, 500, 1000, 2500	Special 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	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	- Calibration report (ACCREDIA LAT traceability). - 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 $\pm 0.1\%$	-	- Calibration report (ACCREDIA LAT traceability). - 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 $\pm 0.1\%$	-	- Calibration report (ACCREDIA LAT traceability). - Two redundant strain gauges Wheatstone bridges (350 Ω) with two output cables; for dual safety systems.	-

LOAD CELLS

CAPACITY kg	MATERIAL PROTECTION RATING	COMBINED ERROR RATED OUTPUT	OIML R60 CERTIFICATION	OPTIONS ON REQUEST	KIT
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PIN



LAU	Can also be used as load limiter for lifting equipment				
	5000, 10000, 20000	17-4 PH stainless steel IP67	$\leq \pm 0.1\%$ 1 mV/V $\pm 0.1\%$	-	• Calibration report (ACCREDIA LAT traceability). • Two redundant strain gauges Wheatstone bridges (350 Ω) with two output cables; for dual safety systems.

FOR FOOT BRAKE



LPED	100	Aluminum IP65	$\leq \pm 0.08\%$ 1 mV/V $\pm 0.2\%$	-	• Calibration report (ACCREDIA LAT traceability). • Two redundant strain gauges Wheatstone bridges (350 Ω) with two output cables; for dual safety systems.
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ANCHOR



CA	30000, 50000, 75000, 100000, 125000, 150000, 180000, 250000	17-4 PH stainless steel IP68	$\leq \pm 0.1\%$ 2 mV/V $\pm 0.1\%$	-	• Calibration report (ACCREDIA LAT traceability). • Two redundant strain gauges Wheatstone bridges (350 Ω) with two output cables; for dual safety systems.
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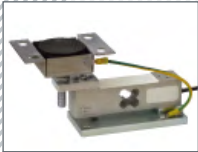
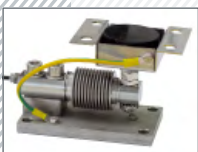
WIRE ROPE MEASURING



FUN	Suitable as load limiter for lifting equipment					
	CAPACITY kg	ROPE $\varnothing$ mm	MATERIAL PROTECTION RATING	COMBINED ERROR RATED OUTPUT	OIML R60 CERTIFICATION	OPTIONS ON REQUEST
	2000 4000 10000 20000 40000	6-14 10-18 16-26 24-36 24-36	Special steel IP67	Switching accuracy $\pm 2\%$ on Full Scale 3 mV/V $\pm 0.1\%$	-	-

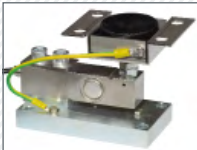
page 14

MOUNTING KITS FOR LOAD CELLS

MODEL	APPLICATION RANGE	DESCRIPTION	FOR LOAD CELLS
for SINGLE POINT load cells			
 T8-AZLI T8-AZL T8-AZS T8-AM	from 10 to 300 kg	Mounting kit provided with adjustable upper plate in AISI 304 stainless steel (PPV); 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			
 TFC-PV TFC-PV10	from 5 to 500 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; adjustable height.	FCK, FCOL
 TFC-GP	from 5 to 500 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
 TFC-FSB	from 5 to 200 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
 TF-PV TF-PVZ	from 30 to 500 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 (TF-PV, TF-PV-2000) or in galvanized steel (TF-PVZ); limited height adjustment.	FCAL FCAX: 30 ÷ 500 kg B
TF-PV-2000	from 30 to 1000 kg		FCAL FCAX: 30 ÷ 500 kg B FCAX: 750 ÷ 1000 kg S
 TF-FSB	from 30 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
 TF-AST	from 30 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
 TF-GP	from 30 to 500 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
TF-GP-2000	from 30 to 1500 kg		FCAL FCAX: 30 ÷ 500 kg B FCAX: 750 ÷ 1500 kg S
 T12-FCA-GP	from 30 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 B FCAX: 750 ÷ 1500 kg S
 T12-FTA-GP	from 75 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 B FTK: 500 ÷ 2000 kg S FTP: 75 ÷ 300 kg B FTP: 500 ÷ 2000 kg 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	from 75 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 FTP: 75÷300 kg FTZ: 500 kg FTP: 500 kg
 TF2000 TF2000Z	from 75 to 2000 kg		FTL, FTKL, FT-P, FTZ FTK: 75÷300 kg FTK: 500÷2000 kg FTP: 75÷300 kg FTP: 500÷2000 kg
 PV PVZ	from 75 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; 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
 TF-PS 2000	from 75 to 2000 kg	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.	FTL, FTKL, FT-P, FTZ FTK: 75÷300 kg FTK: 500÷2000 kg FTP: 75÷300 kg FTP: 500÷2000 kg
 PV80 PV80Z	from 3000 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 PV80Z: lower plate and block in galvanized steel	FTP: 3000÷5000 kg FTZ: 5000 kg FTK: 3000÷5000 kg
 PS PS10T	from 3000 to 5000 kg 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 FTP: 10000 kg
for DOUBLE SHEAR BEAM load cells			
 VCOKDTL	from 15000 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 COLD COK
for COMPRESSION-LOW PROFILE load cells			
 PVCLS	from 1000 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	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
 PSCLS	5000 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: 5000 kg

MOUNTING KITS FOR LOAD CELLS

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



V10000 V10275	from 250 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
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V15000	from 15000 to 30000 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: 15000 kg *CBX: 30000 kg
V30000	from 30000 to 50000 kg		CBL: 30000 kg *CBX: 50000 kg
V100000	from 50000 to 100000 kg		CBL: 50000 ÷ 100000 kg *CBX: 50000 kg



P10000 + BASESUP	from 250 to 15000 kg	Lower plate and turned upper base in AISI 304 stainless steel.	CBL: 250 ÷ 12500 kg CBX: 15000 kg
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BASEINF + BASESUP	from 250 to 15000 kg	Turned upper and lower bases in AISI 304 stainless steel.	CBL: 250 ÷ 12500 kg CBX: 15000 kg
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PIASTRA + BASEINF	from 250 to 15000 kg	Lower plate and turned lower base in AISI 304 stainless steel.	CBL: 250 ÷ 12500 kg CBX: 15000 kg
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for COLUMN load cells



KIT_COK	from 15000 to 50000 kg	Mounting kit composed by protective rubber seal, 2 bases (upper and lower) and 3 self-centring cylindrical plates. KIT_COK: special steel KIT_COL: AISI 420 hardened steel	COK COK-AR
KIT_COL	from 30000 to 60000 kg		COL COLD



KIT_CO PIA_CO	25000 kg	Kit composed by 2 stainless steel bases. Kit composed by 2 special steel plates (upper and lower) for KIT_CO bases.	CO
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COMPLEMENTARY ACCESSORIES FOR LOAD CELLS

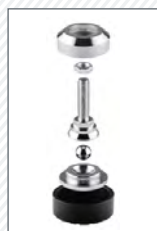
MODEL	DESCRIPTION	FOR LOAD CELLS
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Adjustable upper plate



PPV	AISI 304 stainless steel plates for self-centring joint foot.	FTK, FTKL, FTL, FTP, FT-P, FTZ
PPV80		FTK, FTP, FTZ

Self-centring joint foot



PIEDINOSB2M8	M8 x 1.25 mm	max 500 kg	stainless steel	FCAL, FCAX, FCOL, FTK, FTKL, FTL, FTP, FT-P, FTZ
PIEDINOSB2M10	M10 x 1.50 mm	max 500 kg	stainless steel	
PIEDINOSB2INOX	M12 x 1.75 mm	max 2000 kg	stainless steel	
PIEDINOSB2M20	M20 x 2.50 mm	max 5000 kg	stainless steel	
PIEDINOSB2ZNCM8	M8 x 1.25 mm	max 500 kg	galvanized steel	
PIEDINOSB2ZNCM10	M10 x 1.50 mm	max 500 kg	galvanized steel	
PIEDINOSB2ZNC	M12 x 1.75 mm	max 2000 kg	galvanized steel	
PIEDINOSB2ZNCM20	M20 x 2.50 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 misalignment of the support plates: Ø25x63 mm; M8 x 1.25 mm; max static load 500 kg Ø30x75 mm; M12 x 1.75 mm; max static load 2000 kg Ø30x79 mm; M12 x 1.75 mm; max static load 2000 kg	FCOL, FCK
ANTIV40		FTKL, FTL, FCAL, FCAX, FTP, FT-P, FTK, FTZ CLS
ANTIV45		FCAL, FCAX

Spherical plain thrust bearings to compensate for misalignment



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

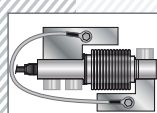
Ball-and-socket joint



MODEL	DESCRIPTION	FOR LOAD CELLS	MODEL	DESCRIPTION	FOR LOAD CELLS
EM6	M6 x 1.00 mm	SA	EM20	M20 x 1.50 mm	SL, CTOL, CTL
EM8	M8 x 1.25 mm	SL	EM25	M24 x 2.00 mm	CTOL, CTL
EM10	M10 x 1.50 mm	SL	EM30	M30 x 2.00 mm	CTL
EM12	M12 x 1.75 mm	SL, CTOL, CTL	EM35	M36 x 3.00 mm	CTL
EM16	M16 x 2.00 mm	CTOL, CTL			



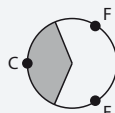
MODEL / DESCRIPTION	FOR LOAD CELLS
TENDITORE300 Galvanized steel stay rod with dual ball-and-socket joints suitable for static applications, to be placed horizontally. Working load: 2500 kg Breaking load: 10000 kg	-
PTEND Galvanized steel anchor plate for TENDITORE300	-
STAFFEALL Pair of tension stainless 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
BLOCPEC 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



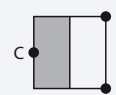
MODEL / DESCRIPTION	FOR LOAD CELLS
BASESUPFIL Threaded upper base in AISI 304 stainless steel for compression load cells	CBL CBX
Turned lower base in AISI 304 stainless steel for compression load cells:	
BINF100 Ø110x22 mm BINF126 Ø140x23 mm BINF165 Ø180x23 mm	CBL: 15000 kg CBX: 30000 kg CBL: 30000 kg 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 BOTTOMONE200 Ø119 mm; thickness 60 mm BOTTOMONE Ø198 mm; thickness 60 mm BOTTOMONE750 Ø198 mm; thickness 89 mm	CBL: 200000 kg CBL: 300000 kg CBL: 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

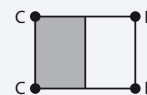
CAPACITY kg	MATERIAL	DESCRIPTION
ML CBL250-10000 - CBX15000 CBL15000 - CBX3000 CBL30000 - CBX5000 CBL50000-100000	Stainless steel	"False cells" (ML) are structural mechanical steel elements that can be used in combination with the load cells for measuring the level of liquid or weighing powder products 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 FTL300-2000 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

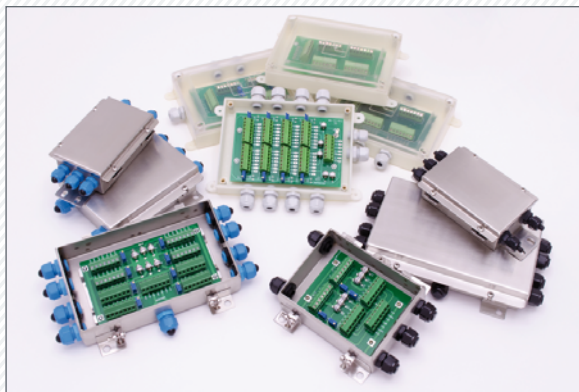


Signal mV x 2



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.

PRODUCT VIDEOS on www.laumas.com



Watch the presentation video of each product.

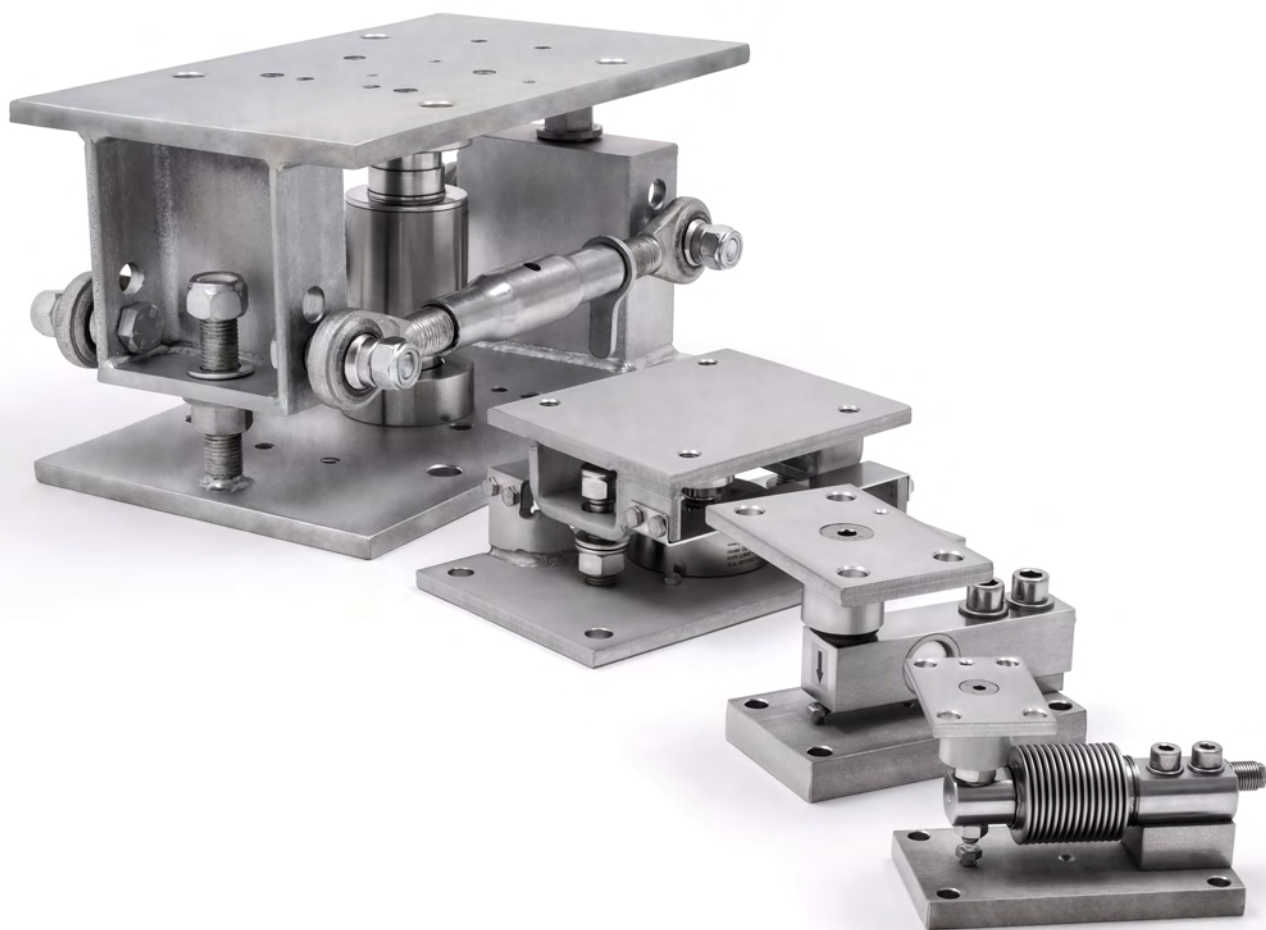


By scanning the QR code, you can access directly with your smartphone or tablet to our web site where consult the items on catalog and find the information; it's also possible discover the full range of Laumas products.



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