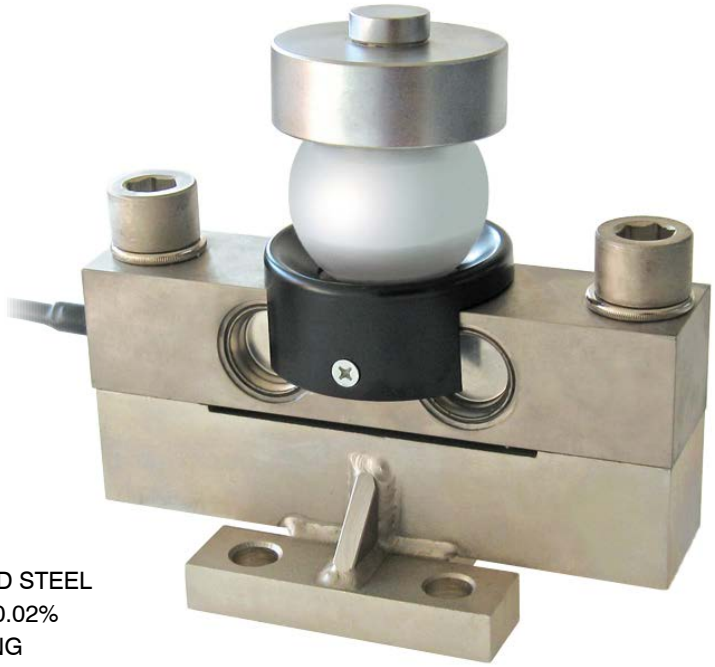
DTL

DOUBLE SHEAR BEAM LOAD CELLS

LAUMAS®

Capacity 25000 kg



MOUNTING KIT



VCOKDTL

- AISI 4340 NICKEL PLATED STEEL
- COMBINED ERROR ≤ ±0.02%
- IP68 PROTECTION RATING

CAPACITY kg	ACCURACY CLASS C3	NET WEIGHT (kg)
25000	•	16

CERTIFICATIONS

OIML	OIML R60 C3
EAC	Complies with the Eurasian Customs Union regulations
UK CA	Equivalent of the CE marking for the United Kingdom

CERTIFICATIONS ON REQUEST	
	Calibration report
Ex	ATEX *(zone 2-22)*
Ex IECEx	ATEX/IECEx *(zone 1-21)*
EAC Ex	Complies with the Eurasian Customs Union regulations for use in potentially explosive atmospheres
FM	FM HazLoc - Complies with the United States and Canada regulations for use in potentially explosive atmospheres
Ex NEPSI	Complies with Chinese market regulations for use in potentially explosive atmospheres

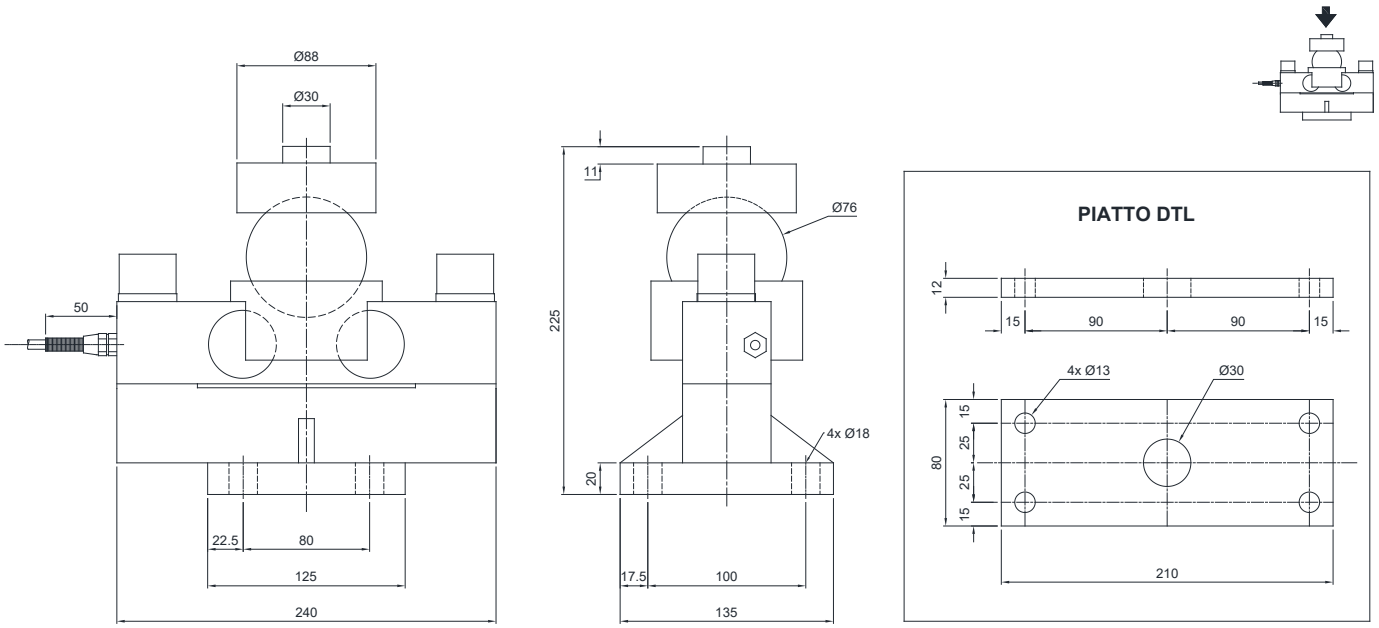
COMPLEMENTARY ACCESSORIES

	DESCRIPTION	MODEL
	Galvanized steel plate.	PIATTODTL

DTL
DOUBLE SHEAR BEAM LOAD CELLS

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DIMENSIONS (mm)



Weight = 16 kg

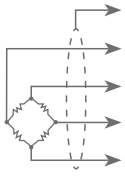
TECHNICAL FEATURES

Material	AISI 4340 nickel plated steel
OIML R60 Accuracy class • Verification intervals	C3 • 3000
Nominal load (E max)	25000 kg
Minimum verification interval (V min)	E max / 15000
Combined error	≤ ±0.02%
Protection rating	IP68

Rated output	2 mV/V ±0.1%	Input resistance	700 Ω ±7
Temperature effect on zero	0.002% °C	Output resistance	700 Ω ±7
Temperature effect on span	0.002% °C	Zero balance	≤ ±1%
Compensated temperature range	-10 °C / +40 °C	Insulation resistance	≥5000 MΩ
Operating temperature range	-35 °C / +65 °C	Safe overload (% of full scale)	150%
Creep at nominal load in 30 minutes	0.016%	Ultimate overload (% of full scale)	200%
Max supply voltage without damage	18 V	Deflection at nominal load	0.6 mm

ELECTRICAL CONNECTIONS

Cable length	20 m
Cable diameter	6 mm
Cores	4 x 0.22 mm²



SHIELD	
+ SIGNAL	GREEN
+ EXCITATION	RED
- SIGNAL	WHITE
- EXCITATION	BLACK

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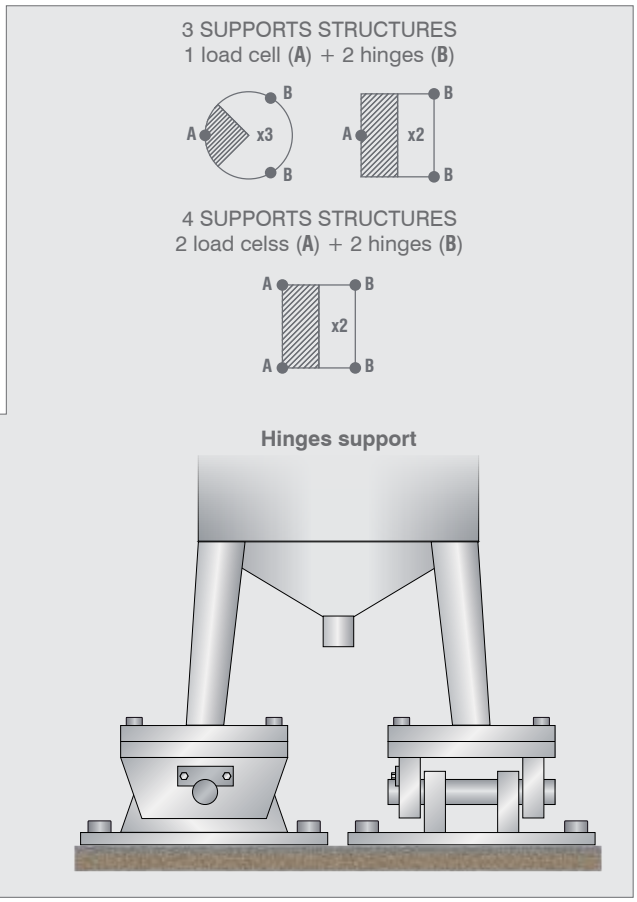
ISO 9001
ISO 14001

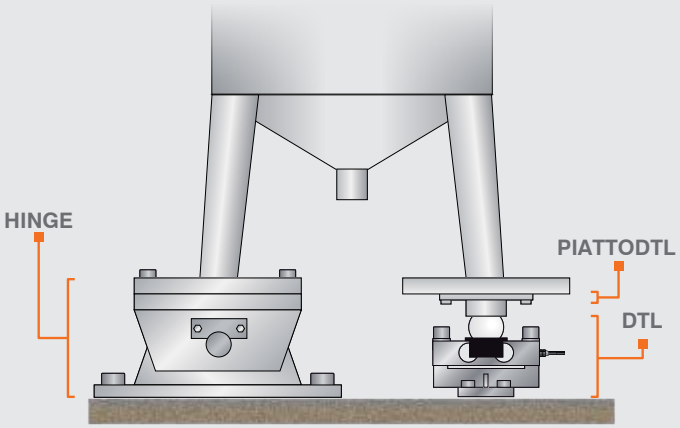
APPLICATION

- LEVEL MEASUREMENTS

  "Point support hinge" 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. It is absolutely necessary that the structure to weight has a uniform shape and is geometrically divisible.

  It must be perfectly level and the type of product to be weighed must enable horizontal positioning, as if it were a liquid (otherwise it loading systems which distribute the product/load uniformlyare required). The electronic weight display will show the effective weight multiplying the signal by two or three, depending on the application.

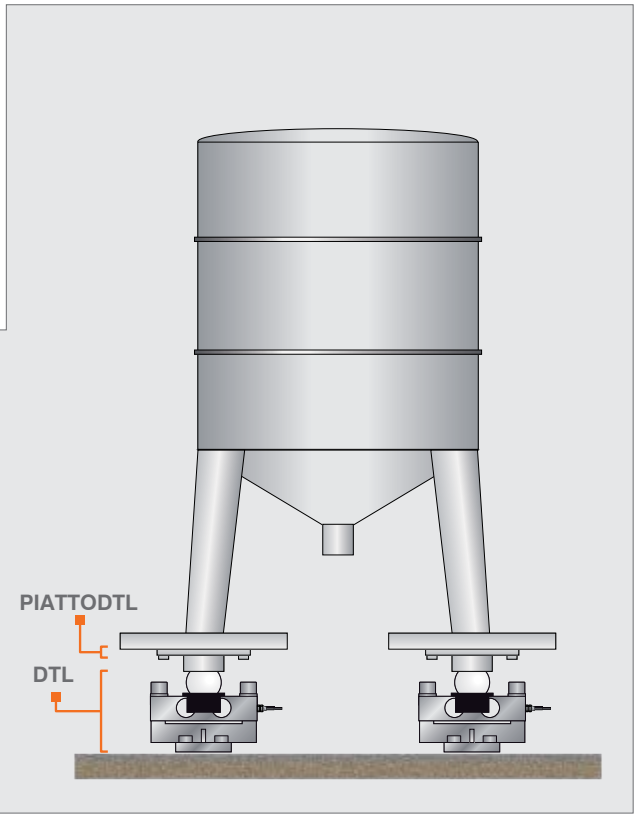




- WEIGHING STRUCTURES NOT SUBJECT TO KNOCKS OR WIND EFFECT

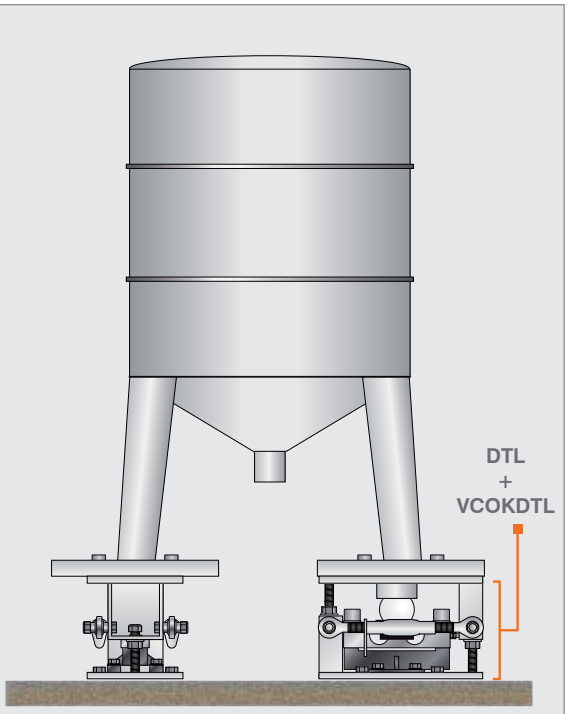
  The load cell, equipped with bases plus ball, is designed for weighing structures not subject to knocks or wind effect.

  PIATTODTL is designed for facilitate the load cell installation and removal; it will be enough to lift 1 mm the structure. The different bending radius between the ball and the bases which contain it, makes that any side shifts lead to on increase of the structure.

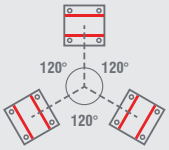


- WEIGHING STRUCTURES SUBJECT TO KNOCKS OR WIND EFFECT

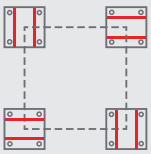
  The VCOKDTL mounting kit is equipped with two stay rods against lateral forces with an ultimate tensile strength of 10000 kg each, and two threaded rods (22 mm diameter) with nuts to use as a jack for the insertion and extraction of the cells and with two self-locking nuts for anti-tilt function.To ensure the stability of the structure, the designer must consider further contrivances according to the following conditions: knocks and vibrations; wind effect; seismic conditions; hardness of support structure.



3 SUPPORTS STRUCTURES



4 SUPPORTS STRUCTURES



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