



WEBINAR

21 Sept. 2021



#LAUMASKNOWHOW

**LAUMAS**<sup>®</sup>  
Innovation in Weighing

Features and applications of the different load cells and analysis of the criteria for choosing the most suitable one



## WEBINAR & TUTORIAL

Guidelines for the correct  
installation of the components

<https://www.laumas.com/en/>



STRENGTHS

COMPATIBILITY

READY ON STOCK

WIDE RANGE OF CAPACITIES

MADE IN ITALY

CUSTOM





ENVIRONMENT

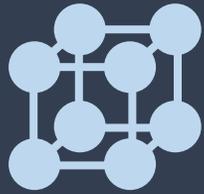


TYPE OF  
WEIGHING





## CERTIFICATIONS



## MATERIALS



## IP PROTECTION

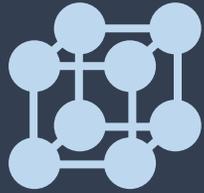


## CAPACITIES



CERTIFICATIONS

**AISI 420**  
STAINLESS STEEL



MATERIALS

**17-4 PH**  
STAINLESS STEEL



IP PROTECTION

**ALUMINUM**



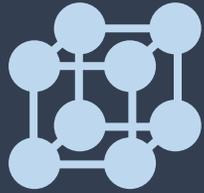
CAPACITIES

**SPECIAL**  
STEELS



CERTIFICATIONS

**IP65**



MATERIALS

**IP67**



IP PROTECTION

**IP68**

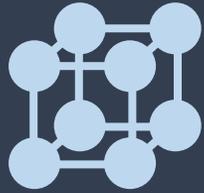


CAPACITIES

**IP69K**



CERTIFICATIONS



MATERIALS



IP PROTECTION



CAPACITIES



0,25 kg



2 000 000 kg

## NEW WEBINAR

# LAUMAS Load Cells

Guide to the selection, features and applications

READ THE AGENDA



### Browse the products

Load cells, mounting kits, weight transmitters and weight indicators and every **component** needed for industrial weighing.

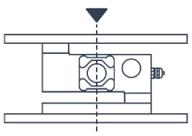
### Request assistance

LAUMAS **support** is customized to meet your every **need**. Find out how we can help you.

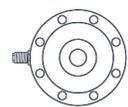
### Customer area / Register

Enter your personal **customer area** or **register** to access resources and services from LAUMAS.

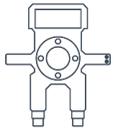
THE RANGE



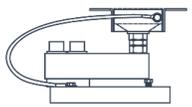
SINGLE-POINT



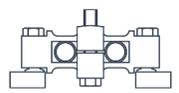
COMPRESSION /  
TENSION



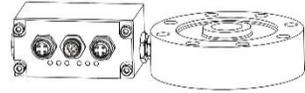
CUSTOM



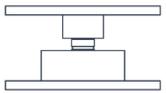
BENDING /  
SHEAR BEAM



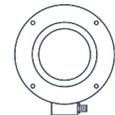
DOUBLE  
SHEAR BEAM



DIGITAL  
LOAD CELLS



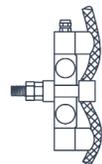
COMPRESSION



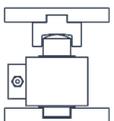
ANCHOR



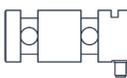
COMPRESSION  
FOR FOOT



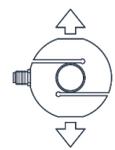
FOR WIRE ROPE  
MEASURING



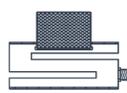
COLUMN



LOAD PIN



TENSION



FOR FOOT  
BRAKE



# SINGLE-POINT (off-center)



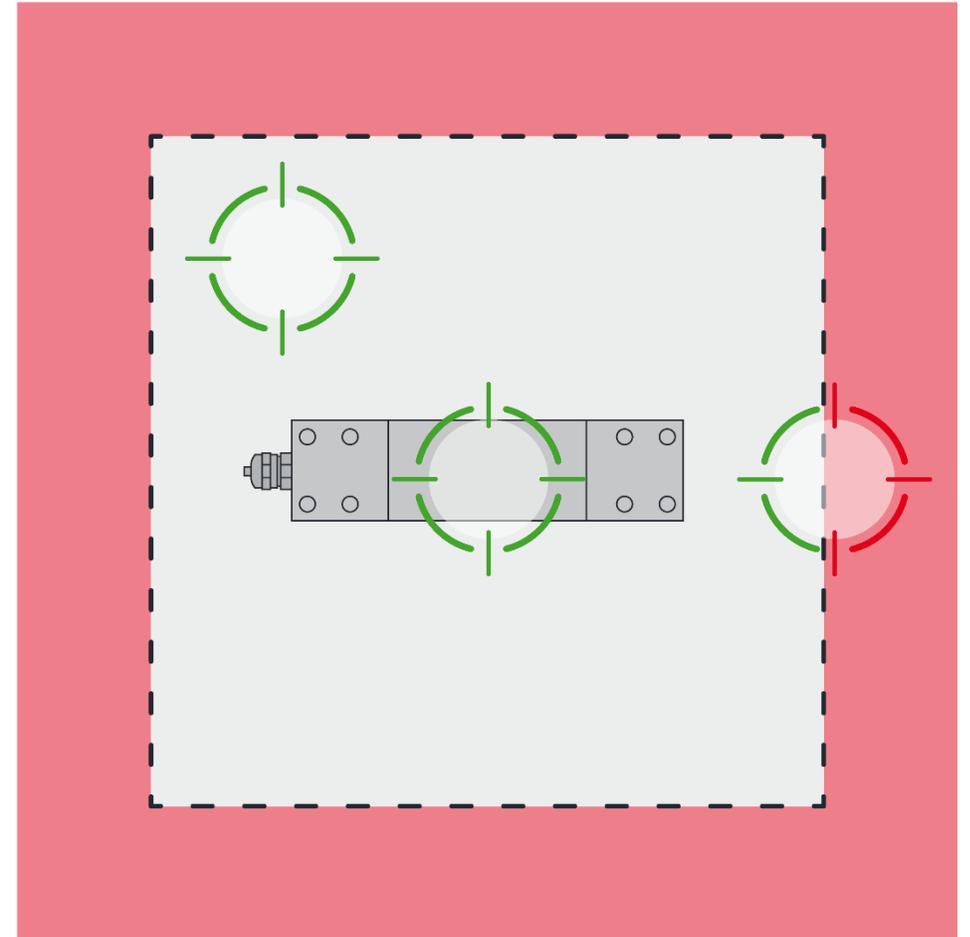
Installed singularly or in groups



0,25 kg → 2 000 kg



150x150 mm → 1200x1200 mm



# SINGLE-POINT (off-center)

Typical applications:

PLATFORM SCALES

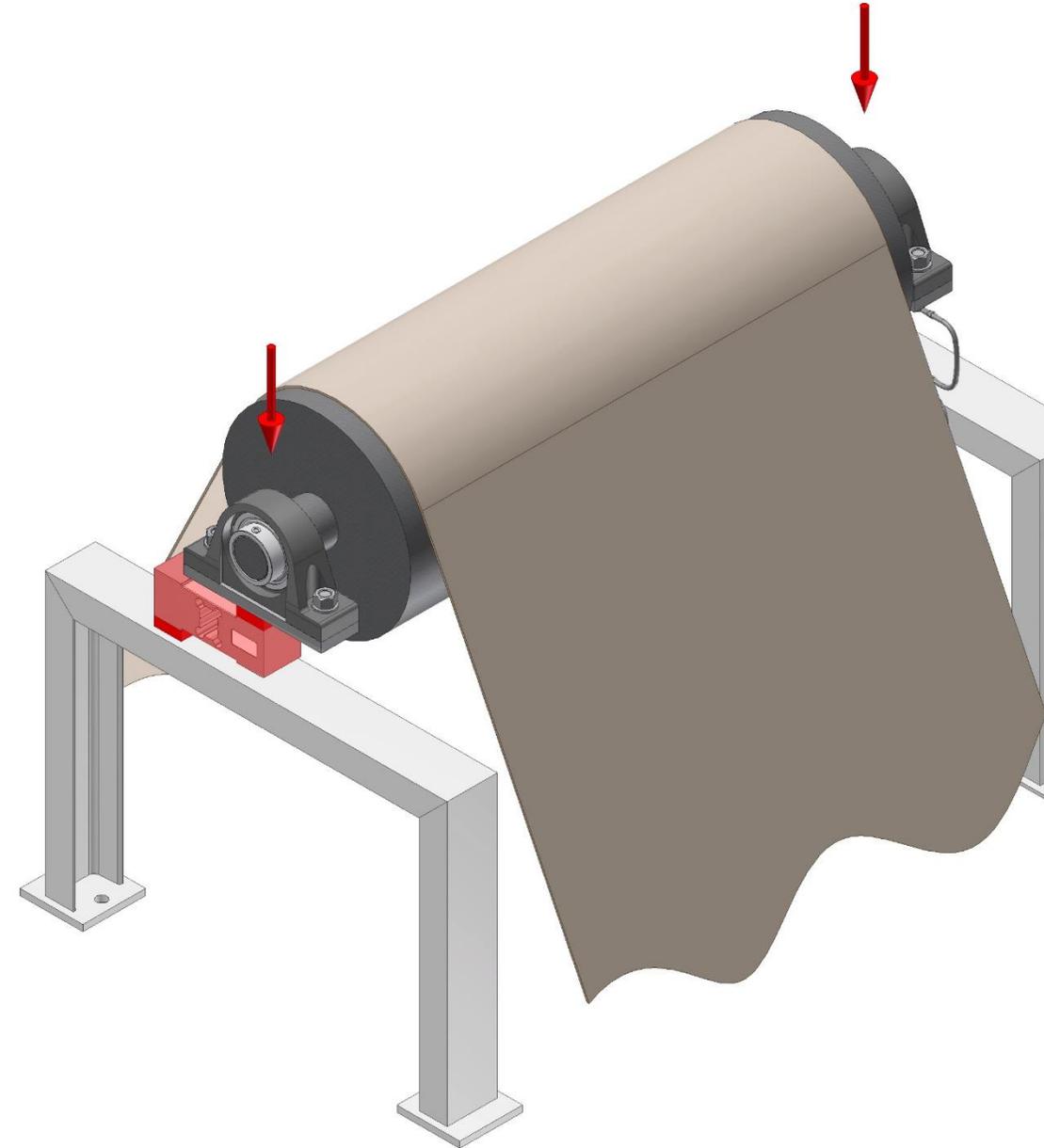
SMALL ROLLER CONVEYORS

SMALL HOPPERS / TANKS

BAGGING MACHINES

DYNAMIC WEIGHING SYSTEMS

WEB TENSIONING SYSTEMS



# BENDING / SHEAR BEAM



**FCCK**



**FTL**



**FCOL**



**FT-P**



**FCAX**



**FTKL**



**FCAL**



**FTZ**



**FTP**



**FTZA**



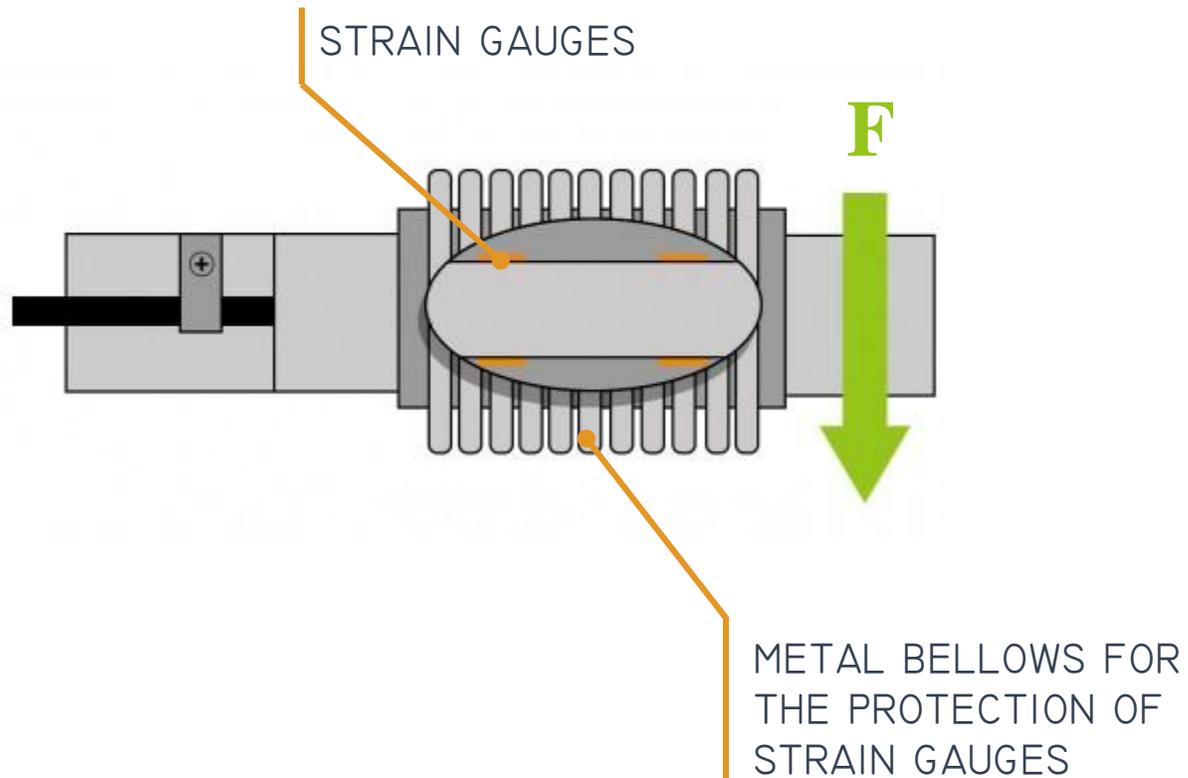
**FTK**



**FTH**

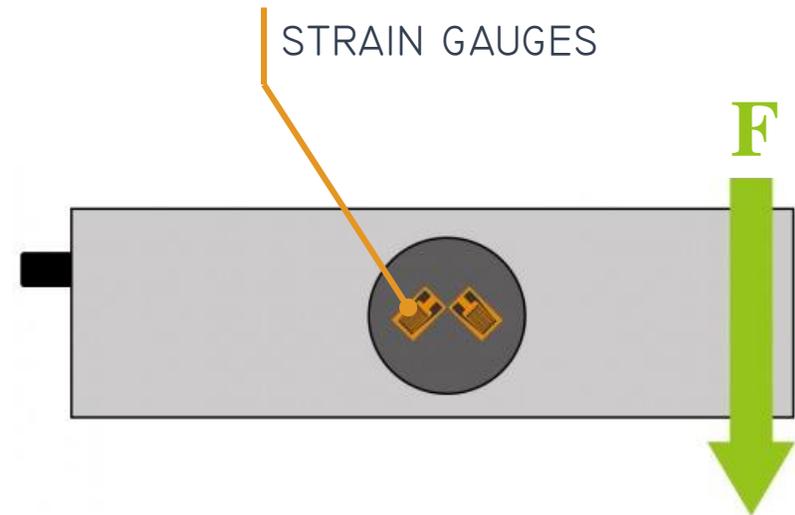
## BENDING BEAM

◀ 500 kg



## SHEAR BEAM

▶ 500 kg



# BENDING / SHEAR BEAM



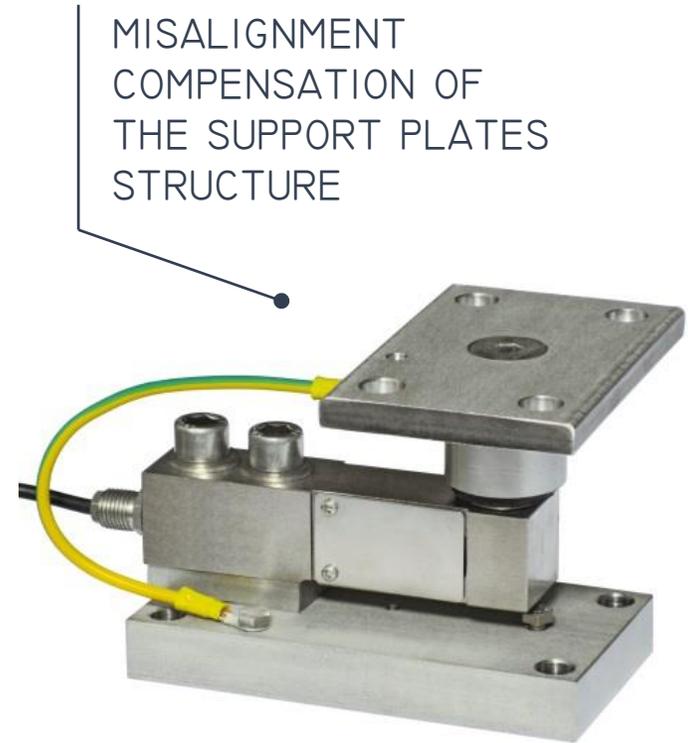
Installed singularly or in groups



5 kg → 10 000 kg



- TF



# BENDING / SHEAR BEAM



Installed singularly or in groups



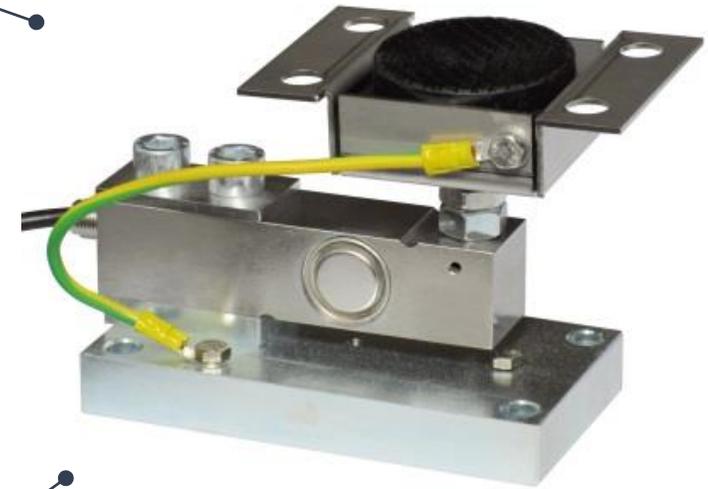
5 kg → 10 000 kg



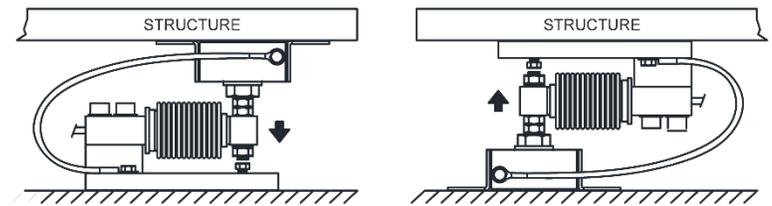
- TF
- PV

MISALIGNMENT  
COMPENSATION OF  
THE SUPPORT PLATES  
STRUCTURE

CONSTRAINT AGAINST  
LATERAL FORCES  
AND ANTI-TILT



FIXING TO THE WEIGHED STRUCTURE



# BENDING / SHEAR BEAM



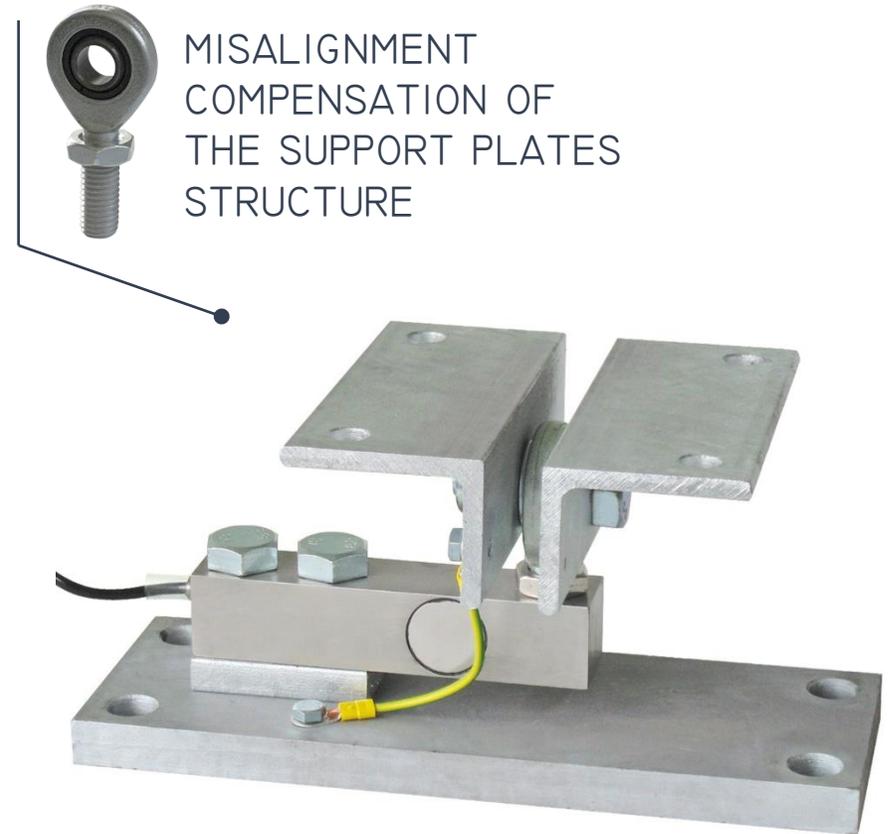
Installed singularly or in groups



5 kg → 10 000 kg



- TF
- PV
- PS



MISALIGNMENT  
COMPENSATION OF  
THE SUPPORT PLATES  
STRUCTURE

CONSTRAINT AGAINST  
LATERAL FORCES  
AND ANTI-TILT

# BENDING / SHEAR BEAM

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Typical applications:

FLOOR SCALES

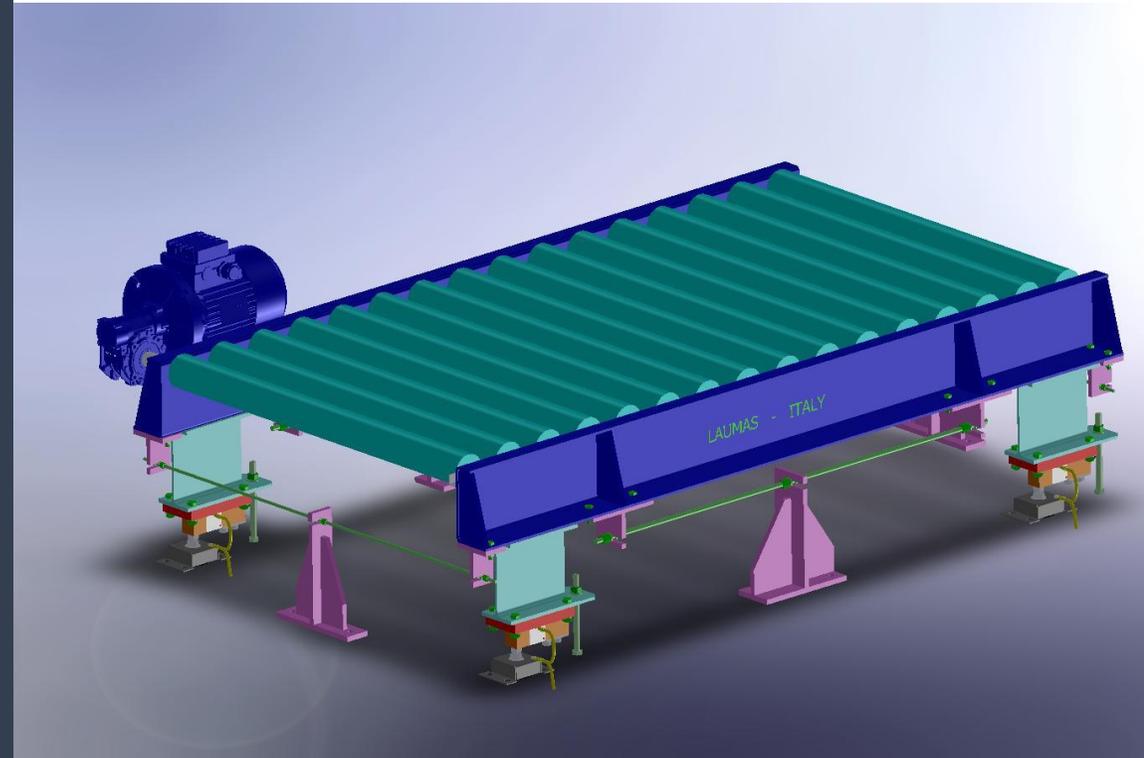
HOPPERS

SILOS

MIXERS

BIG-BAG LOADERS / DISCHARGERS

ROLLER CONVEYORS



# COMPRESSION



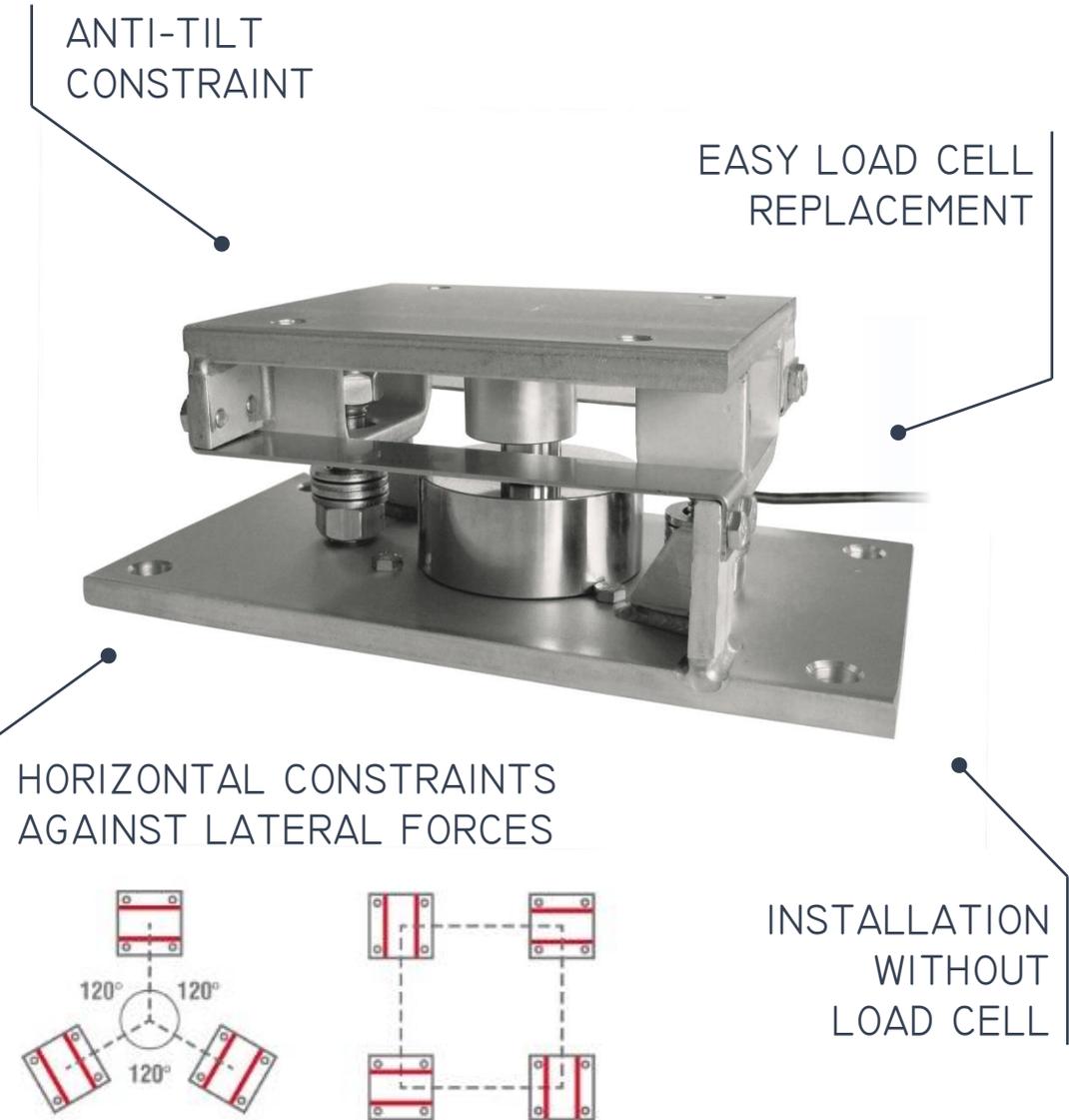
Installed singularly or in groups



200 kg → 750 000 kg



- V10000/V10275 – V15000  
V30000 – V100000

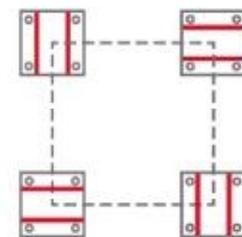
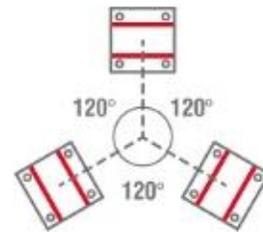


ANTI-TILT  
CONSTRAINT

EASY LOAD CELL  
REPLACEMENT

HORIZONTAL CONSTRAINTS  
AGAINST LATERAL FORCES

INSTALLATION  
WITHOUT  
LOAD CELL



# COMPRESSION



Installed singularly or in groups



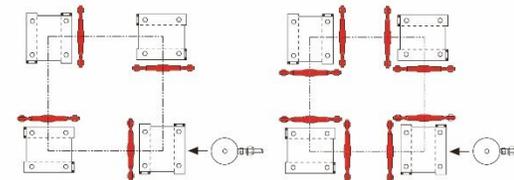
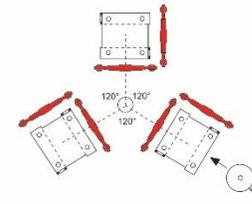
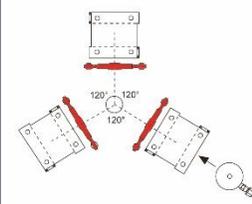
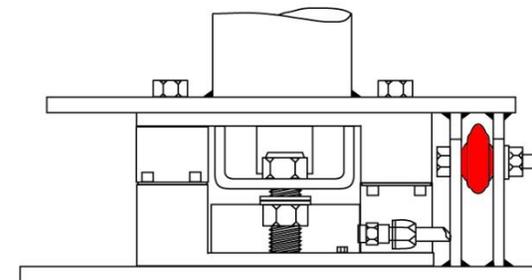
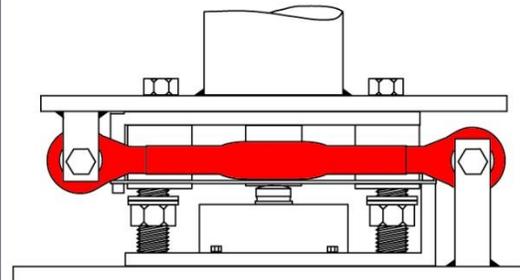
200 kg → 750 000 kg



- V10000/V10275 – V15000  
V30000 – V100000
- TENDITORE300



HORIZONTAL CONSTRAINTS  
AGAINST LATERAL FORCES



# COMPRESSION



Installed singularly or in groups



200 kg → 750 000 kg



- V10000/V10275 – V15000  
V30000 – V100000
- TENDITORE300
- BASES



# COMPRESSION



Installed singularly or in groups



200 kg → 750 000 kg



- V10000/V10275 – V15000  
V30000 – V100000
- TENDITORE300
- BASES
- PVCLS

MISALIGNMENT  
COMPENSATION OF  
THE SUPPORT PLATES  
STRUCTURE



CONSTRAINT AGAINST  
LATERAL FORCES  
AND ANTI-TILT

# COMPRESSION



Installed singularly or in groups



kg

200 kg → 750 000 kg

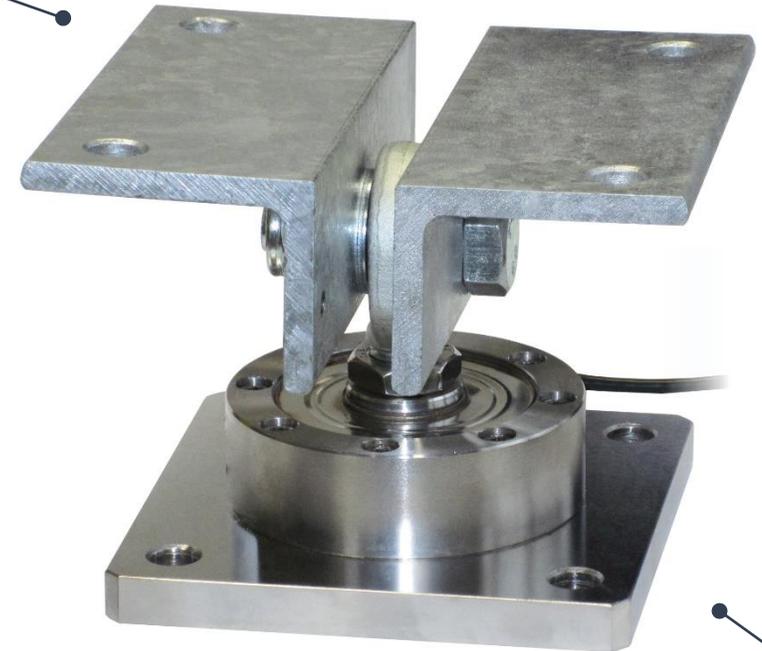


KIT

- V10000/V10275 – V15000  
V30000 – V100000
- TENDITORE300
- BASES
- PVCLS
- PSCLS



MISALIGNMENT  
COMPENSATION OF  
THE SUPPORT PLATES  
STRUCTURE



CONSTRAINT AGAINST  
LATERAL FORCES  
AND ANTI-TILT

# COMPRESSION

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Typical applications:

TANKS

SILOS

HOPPERS

MIXERS

BIG-BAG LOADERS / DISCHARGERS



# COMPRESSION FOR FOOT



Installed in groups



500 kg → 20 000 kg



HYGIENIC DESIGN



- ADJUSTABLE FOOT



# COMPRESSION FOR FOOT

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Typical applications:

TANKS

REACTORS



# COLUMN



Installed in groups



15 000 kg → 60 000 kg



- BASES



# COLUMN



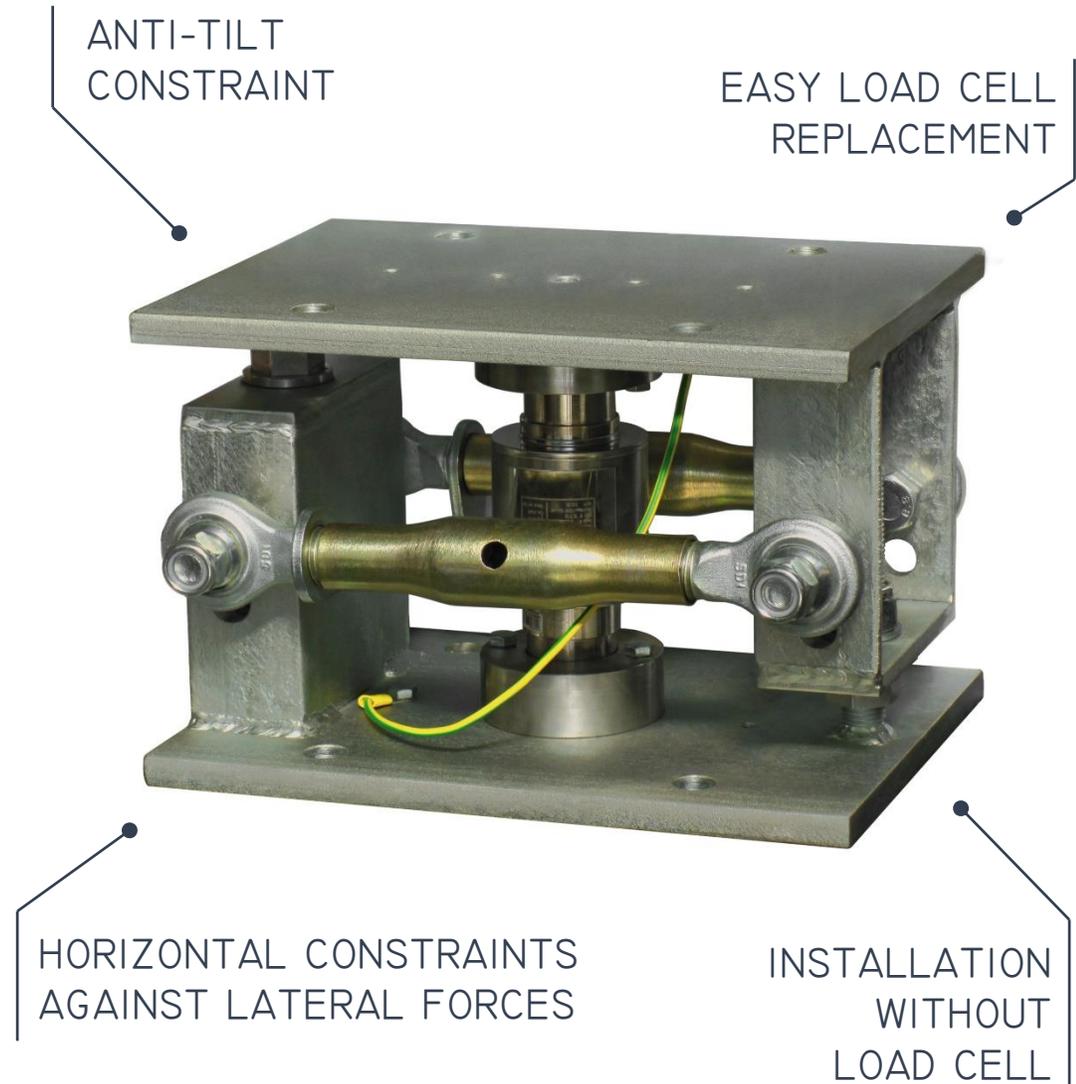
Installed in groups



15 000 kg → 60 000 kg



- BASES
- VCOKDTL



# COLUMN

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Typical applications:

WEIGHBRIDGES

SILOS



# TENSION



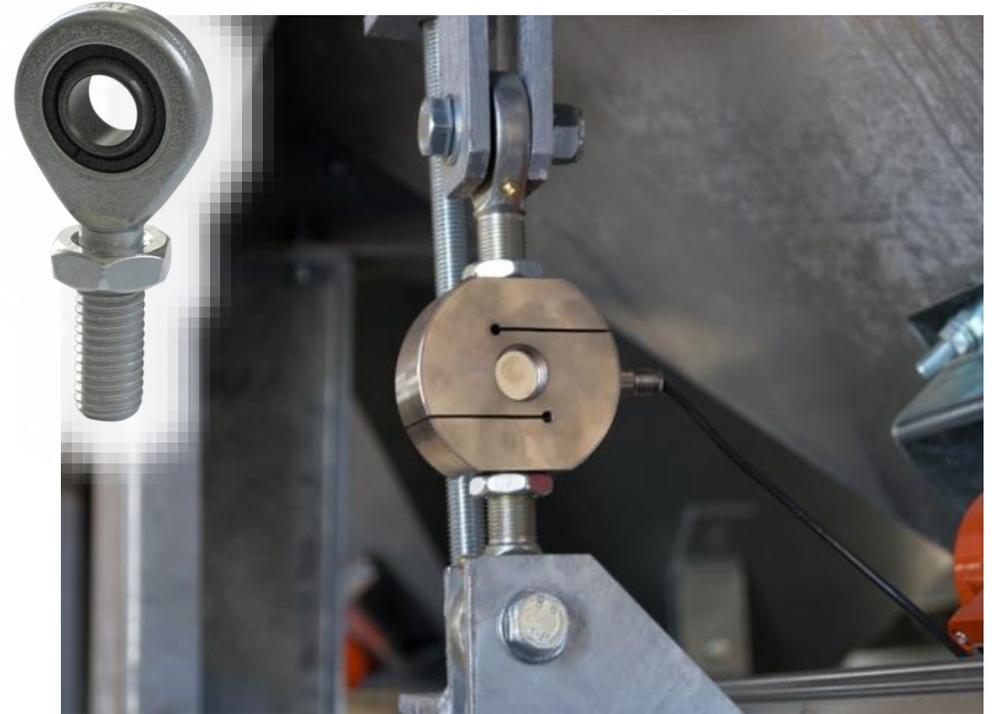
Installed singularly or in groups



15 kg → 250 000 kg



- BALL-AND-SOCKET JOINT



# TENSION

Typical applications:

BRIDGE CRANES / JIB CRANES

CRANE SCALES

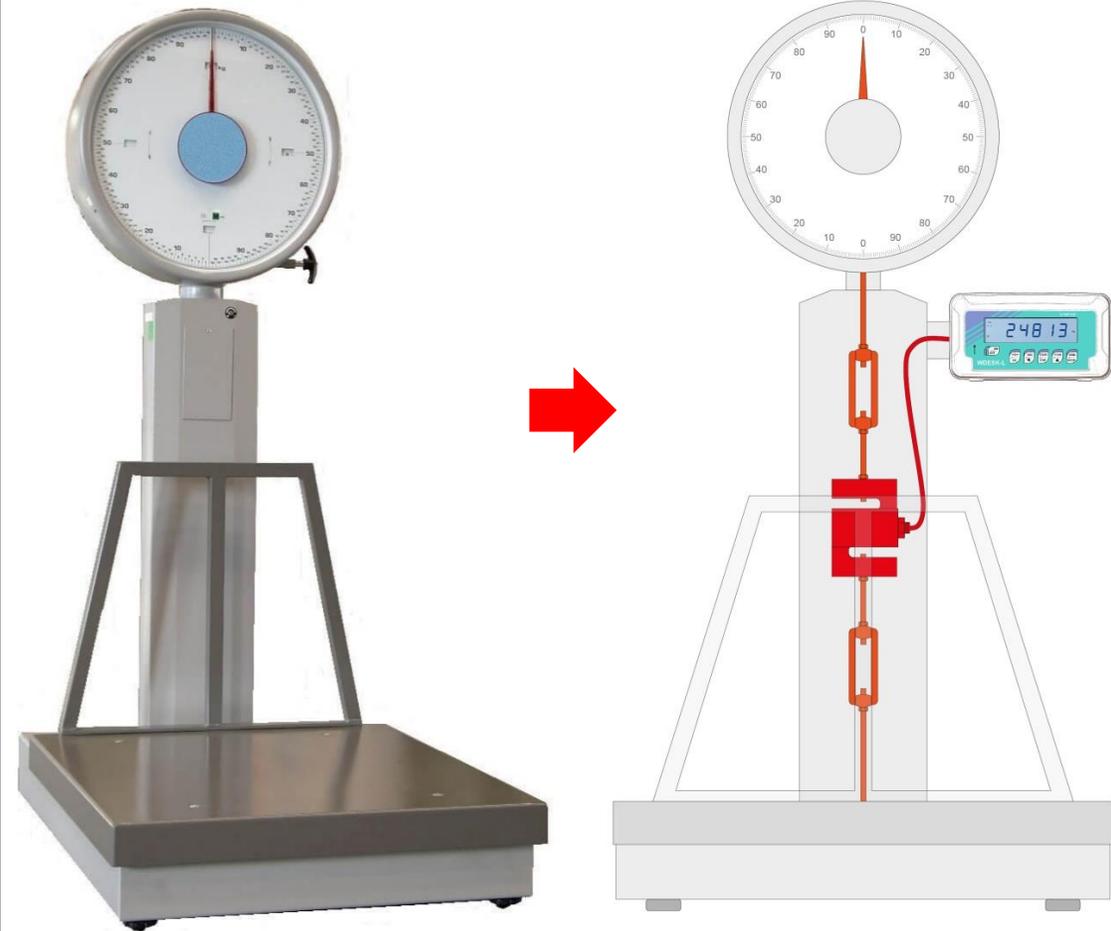
CONVEYOR BELTS

HOPPERS

BIG-BAG LOADERS / DISCHARGERS

TESTING MACHINES

REVAMPING OF MECHANICAL SCALES



# COMPRESSION / TENSION



Installed singularly or in groups



50 kg → 200 000 kg



**CLBT**



**CL**



**CLK**

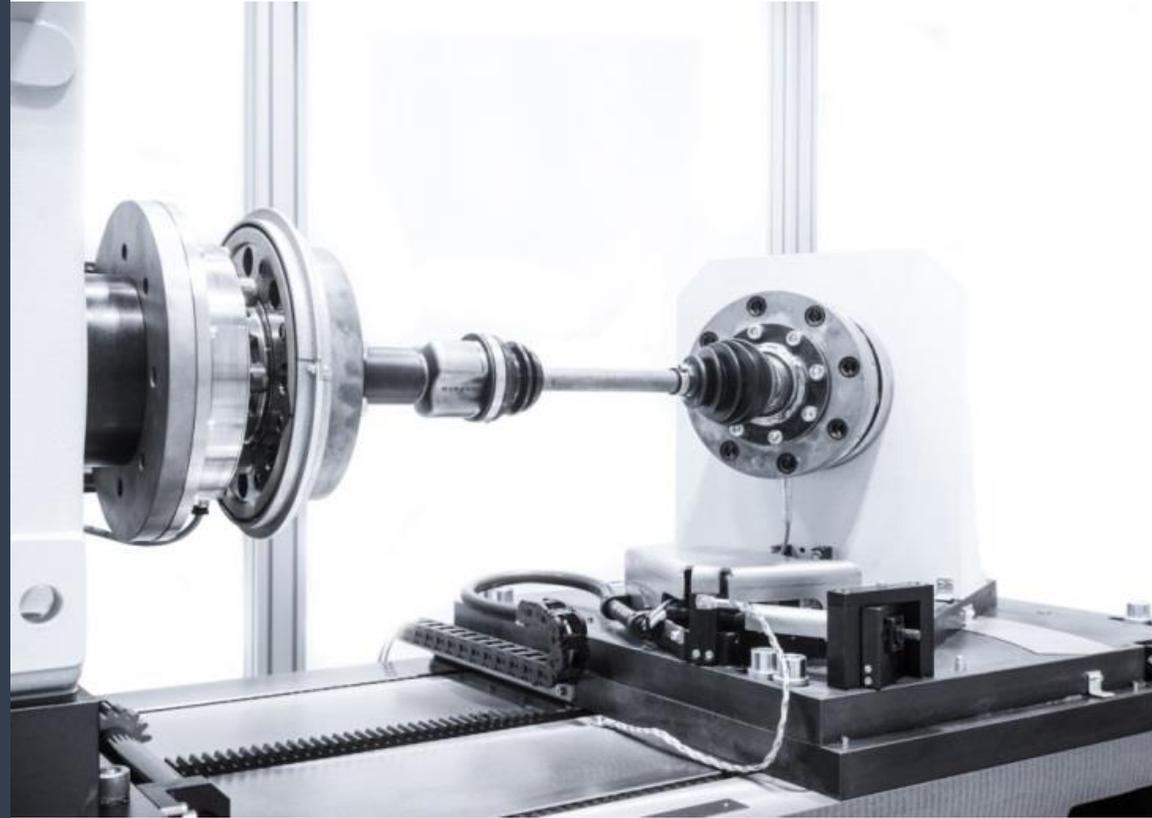
# COMPRESSION / TENSION

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Typical applications:

TESTING MACHINES

PRESSES



# DOUBLE SHEAR BEAM



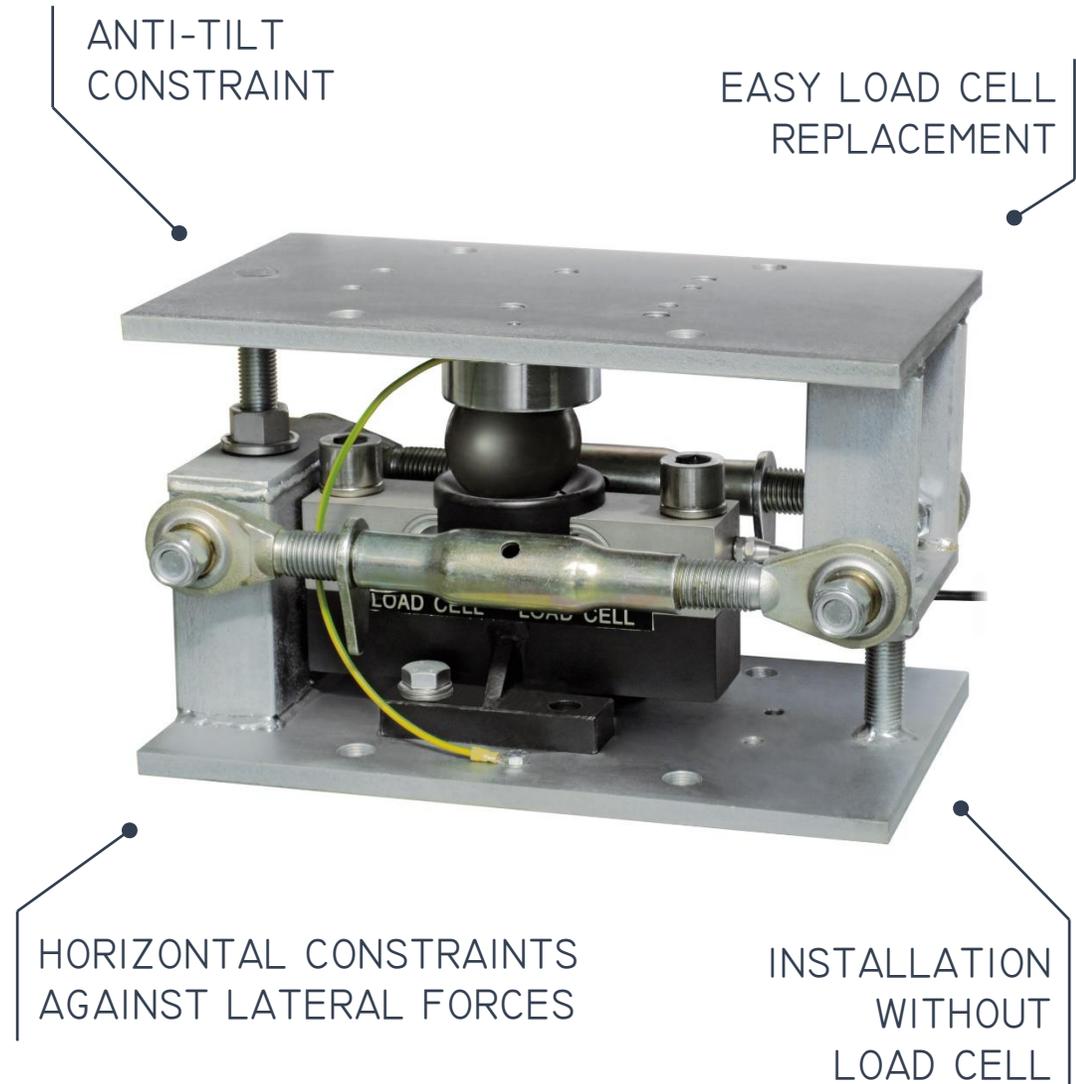
Installed in groups



9 000 kg → 27 000 kg



- VCOKDTL



# DOUBLE SHEAR BEAM



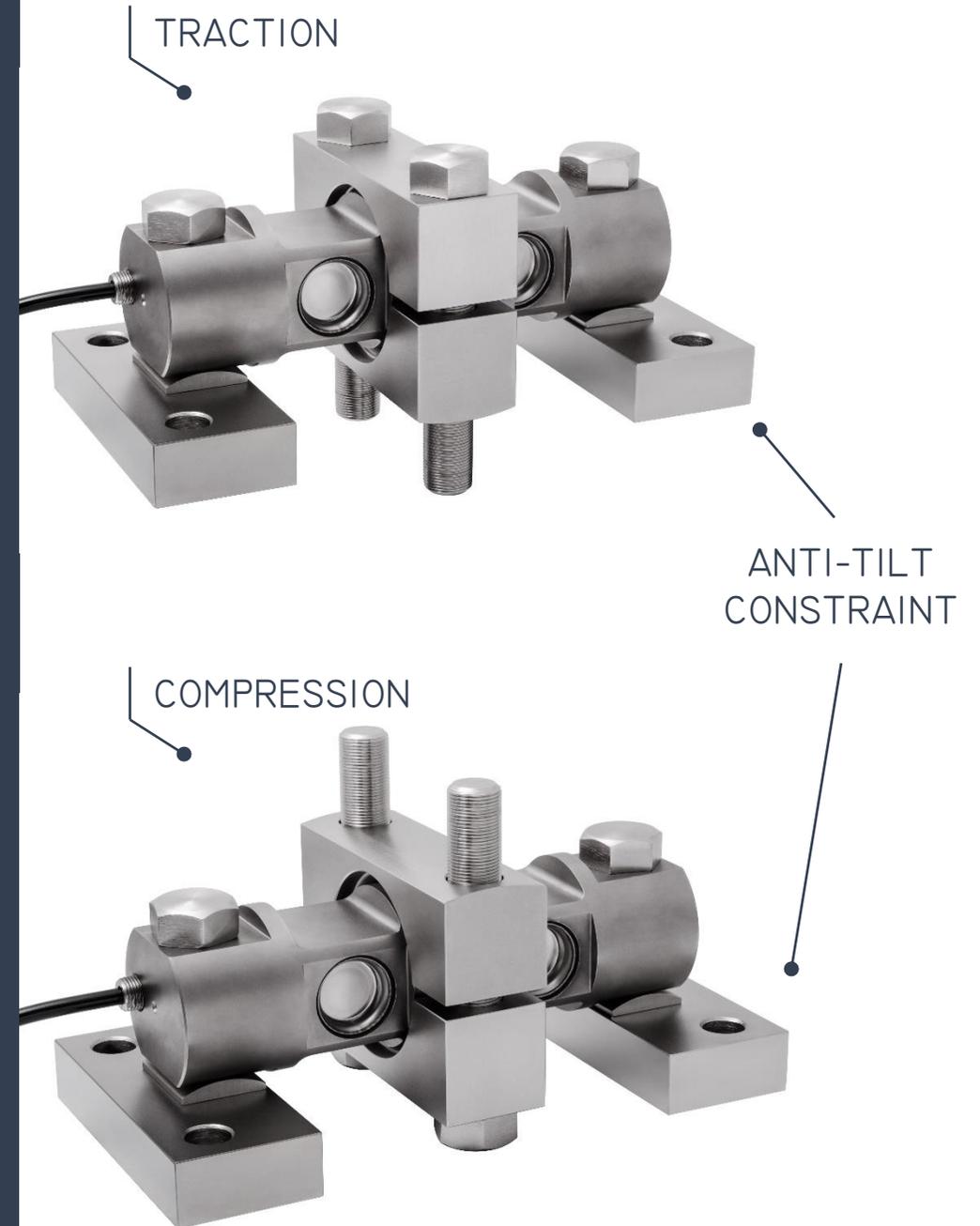
Installed in groups



9 000 kg → 27 000 kg



- VCOKDTL
- VDTX



# DOUBLE SHEAR BEAM

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Typical applications:

WEIGHBRIDGES

SILOS

ON BOARD WEIGHING



# ANCHOR



Installed singularly



30 000 kg → 250 000 kg



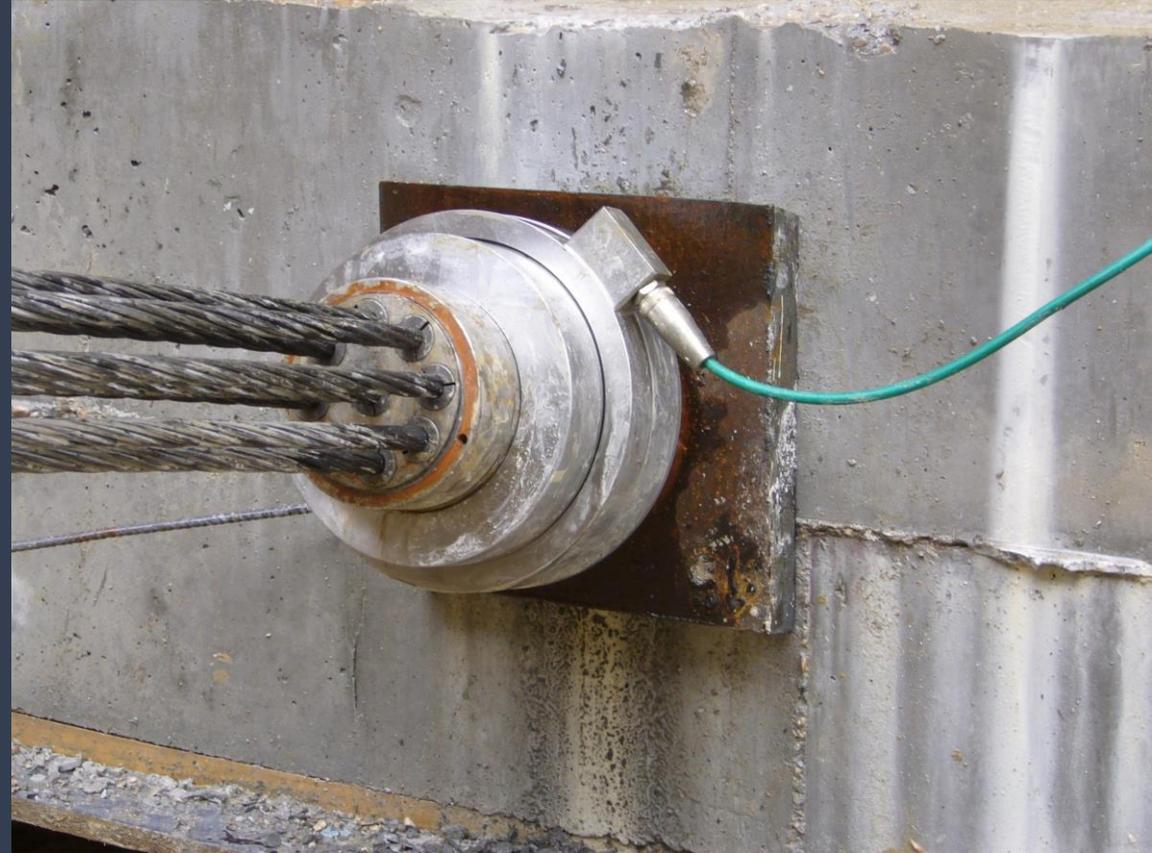
- LOAD DISTRIBUTION PLATES



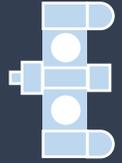
# ANCHOR

Typical applications:

MONITORING OF STRESS-STRAIN FOR  
DAMS AND CONTAINMENT STRUCTURES



# FOR WIRE ROPE MEASURING



Installed singularly



kg

2 000 kg → 40 000 kg



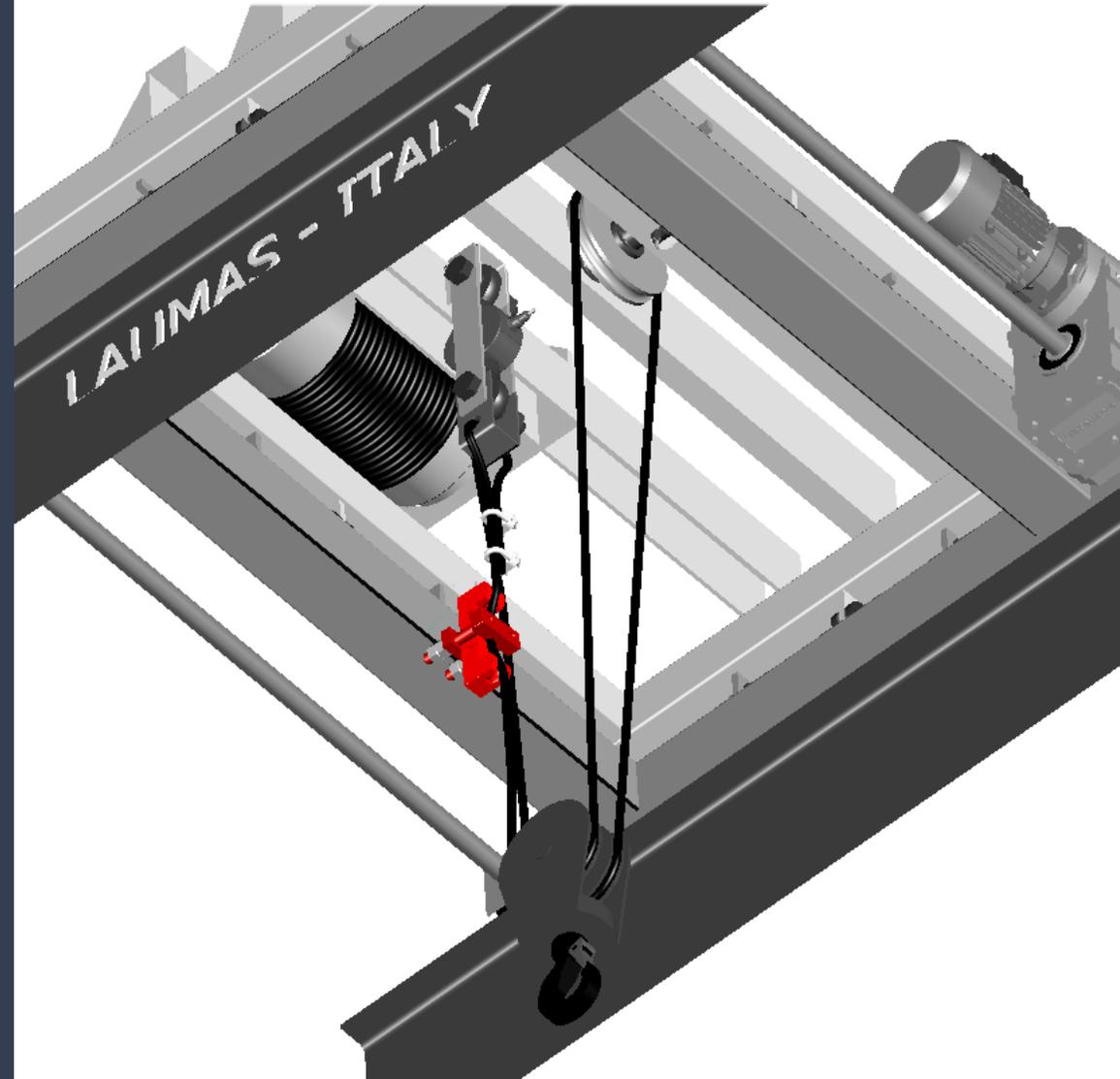
Ø 6 mm → Ø 36 mm



# FOR WIRE ROPE MEASURING

Typical applications:

LOAD LIMITING DEVICES FOR  
BRIDGE CRANES, JIB CRANES  
AND LIFTING EQUIPMENT



# LOAD PIN

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Installed singularly or in groups



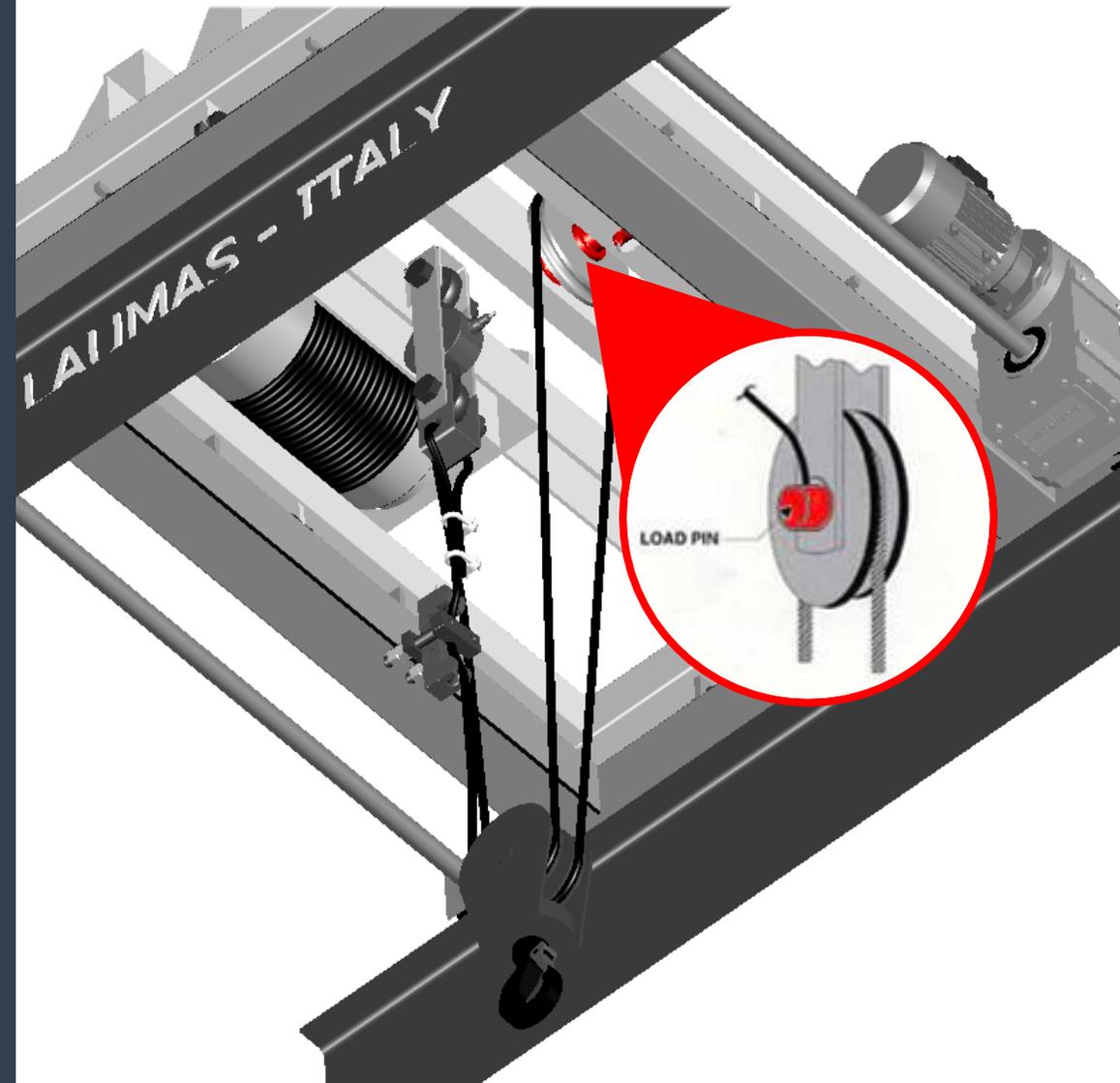
5 000 kg → 20 000 kg



# LOAD PIN

Typical applications:

LOAD LIMITING DEVICES FOR  
BRIDGE CRANES, JIB CRANES  
AND LIFTING EQUIPMENT



# FOR FOOT BRAKE



Installed singularly



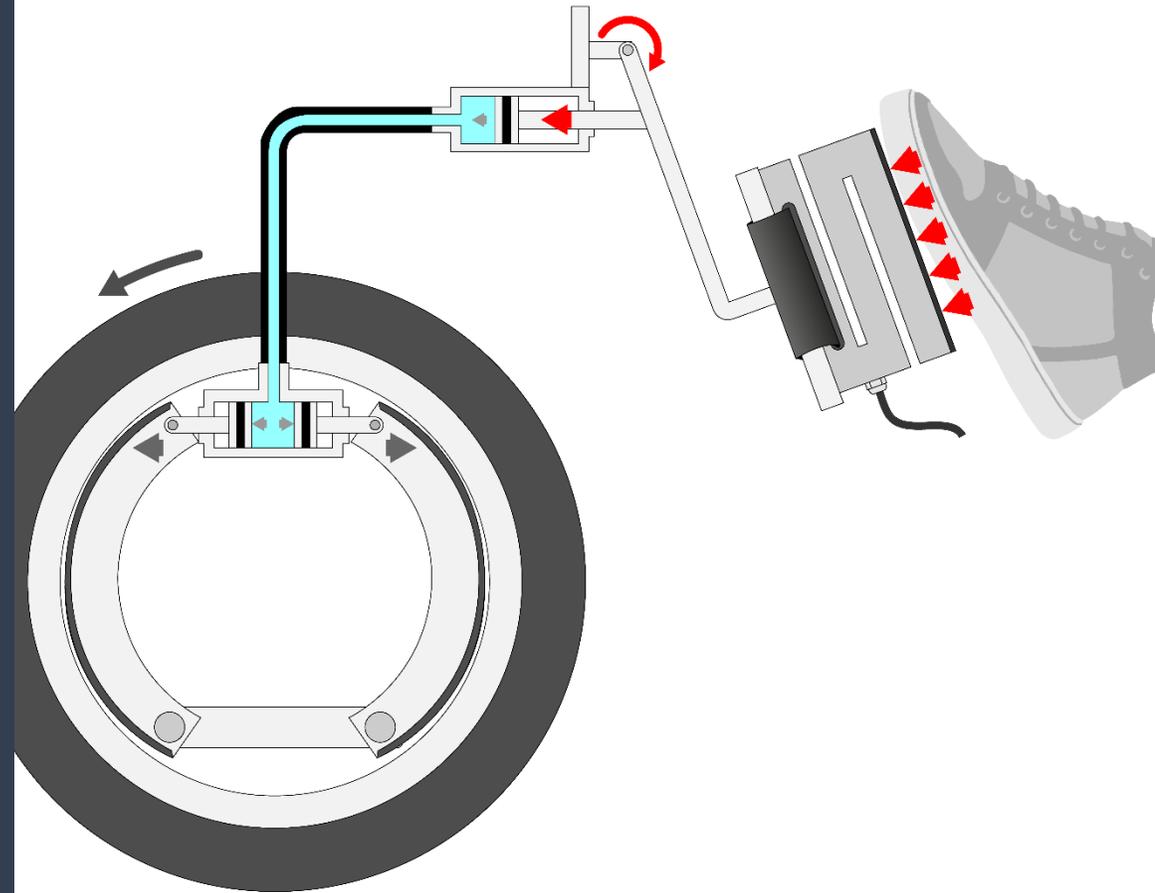
100 kg



# FOR FOOT BRAKE

Typical applications:

BRAKE TEST



# CUSTOM

Installed singularly or in groups

Capacities: 0,1 kg → 2 000 000 kg

Protection class up to IP69K

Bi/tri axial

2 output cables for dual safety systems

Integrated analog output

Thermal compensation



# CUSTOM

Tailor made applications:

SCRUM MACHINE



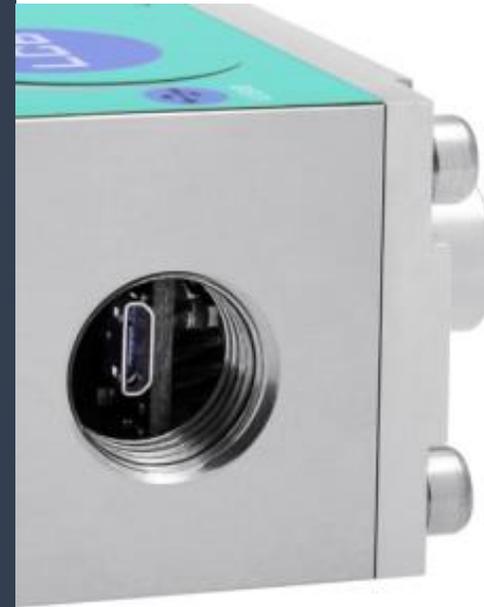
# HOW TO DIGITIZE LOAD CELLS: THE LCB

Analog load cells digitizer

IP67 - AISI316 stainless steel

Connecting to any PLC

Micro USB port and LCB Manager software



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[sales@laumas.it](mailto:sales@laumas.it)

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#LAUMASKnowHow



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*Thanks for your attention!*