



PRODUCTS GUIDE

LOAD CELLS
MOUNTING ACCESSORIES
WEIGHING INDICATORS



UTILCELL

ACKNOWLEDGED WORLDWIDE BRAND NAME IN WEIGHING

LOAD CELLS – MOUNTING ACCESSORIES – WEIGHING INDICATORS

Leaders in the domestic load cell market and one of the five main manufacturers in the world.

UTILCELL arranges and sends shipments in five continents, with a direct regular supply to over sixty countries.

The headquarters are located in Barcelona, with local offices in several countries and an extensive worldwide distribution network.



MANUFACTURER'S GUARANTEE

- 45 years of experience and more than 2,000,000 units installed worldwide
- High production capacity
- Extensive product range. Complete weighing solution from 0.3 kg to 600 t
- Custom-made designs
- Quality Management System certified according to ISO 9001
- Manufacturing in accordance with international standards OIML, NTEP, VCAP, GOST, MID, EN 45501, EN 1090, CE, ATEX, FM, IECEx, etc.

SECTORS OF APPLICATION

- Chemical & pharmaceutical industry
- Food industry
- Agricultural & livestock sectors
- Steel, cement & plastic industry
- Packaging machinery
- Waste treatment & renewable energy
- Transport sector

MANUFACTURING QUALITY

- Total reliability and product homogeneity for the most demanding environments
- Top quality raw materials selected in collaboration with the main manufacturers throughout the world
- 100% production control
- Each unit is individually tested under load conditions and inside climatic chambers at various temperatures
- Network instrumentation to guarantee complete production traceability

UTILITIES AND BENEFITS

- Control of the reception and stocking of raw materials
- Control of the production process
- Control of filling, packing & palletizing
- Improvement of efficiency & batch repeatability
- Improvement of traceability & quality control
- Improvements in safety & limiting of overloadings
- Improvement of productivity & reduction of losses



LOAD CELL SELECTION BY APPLICATION

APPLICATIONS

MODELS



SINGLE POINT PLATFORM
SCALES

102
190/D
260



104
200
270



105
220



120
230



140
240



160
250



4-CELLS
PLATFORM SCALES

300



340



350



LIGHT VEHICLE
WEIGHBRIDGES,
AXLE WEIGHING

350



480 US



730/D



740/D



750



TRUCK SCALES

480 US



730/D



740/D



740 CP/D



750



PACKING AND FILLING
MACHINES

102



104



140



160



190/D



220



240



250



260



300



340



PRICE COMPUTING
SCALES

102



120



140



230



240



MEDICAL SCALES

190/D



220



250



270



MIXERS, TANKS
AND HOPPERS

300



340



350



420



460



610



620



630



650



730/D



740/D



750



HIGH CAPACITY
WEIGHING SYSTEMS

420



460



730/D



740/D



750



LOAD CELL SELECTION BY APPLICATION

APPLICATIONS

MODELS



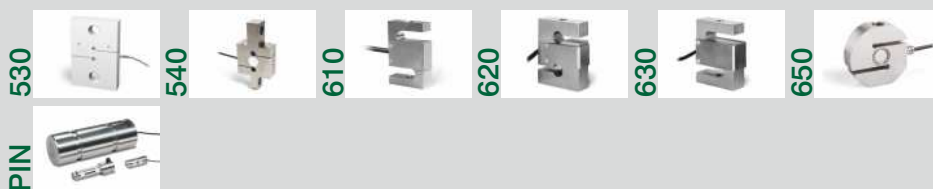
CHECK WEIGHERS



HYBRID OR SCALE
CONVERSIONS



CRANE SCALES,
TENSION TEST
MACHINES



HOPPERS AND SILOS
IN HIGH TEMPERATURE
ENVIRONMENTS FOR
THE METAL INDUSTRY



APPLICATIONS THAT
REQUIRES HIGH IP
PROTECTION



HIGH TEMPERATURE

HT
APPLICATIONS
REQUIRING
WORKING IN HIGH
TEMPERATURE
ENVIRONMENTS



ATEX CERTIFICATIONS
FOR WORKING IN
POTENTIALLY EXPLOSIVE
ATMOSPHERES
OF GAS AND DUST



WEIGHING
INDICATORS

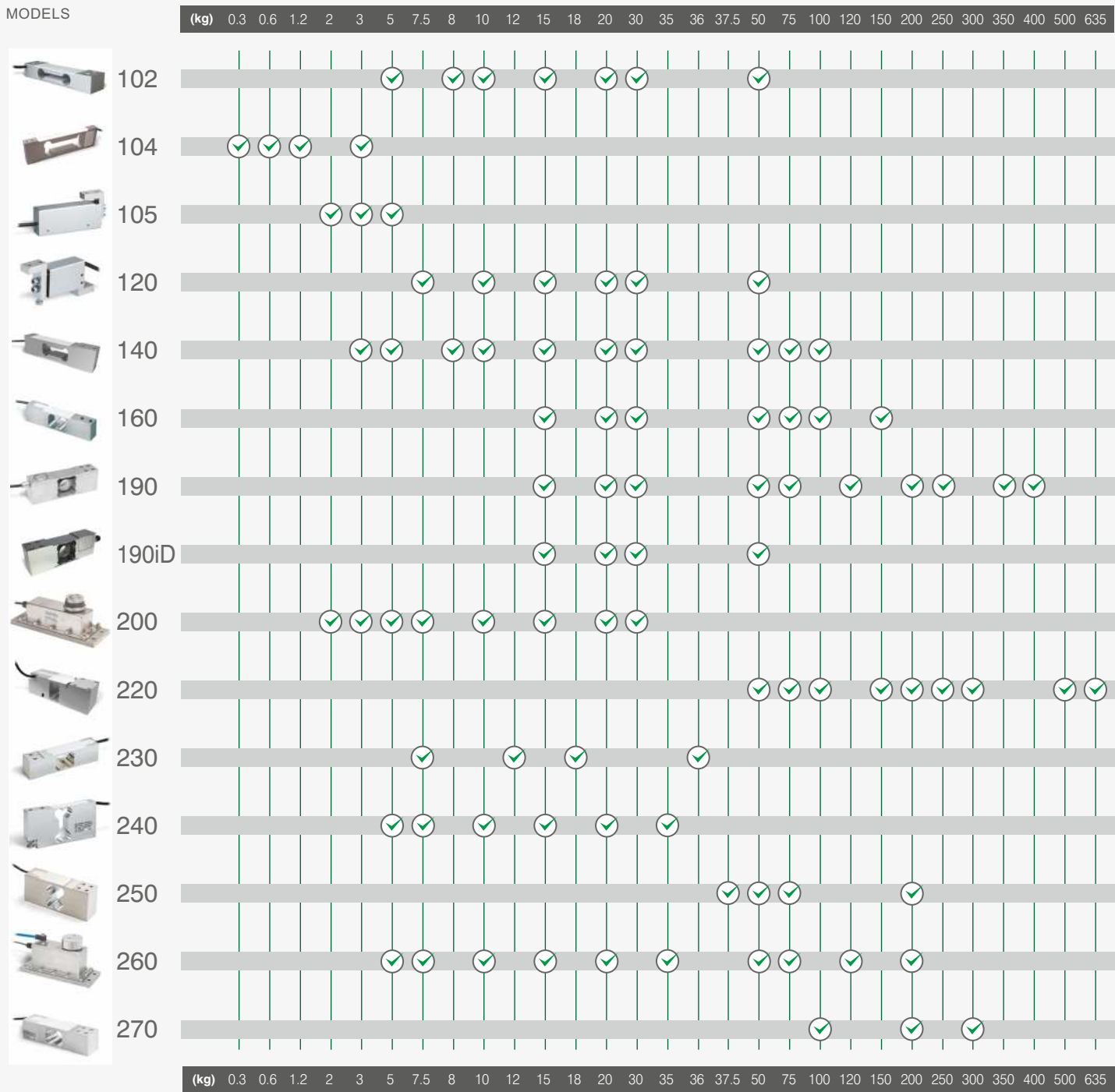


LOAD CELL SELECTION

BY CAPACITY

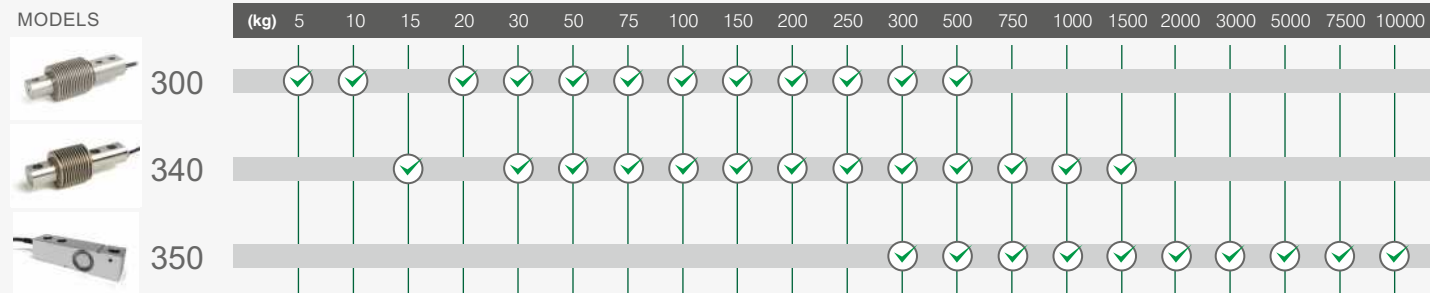
PLATFORM CELLS

MODELS



FLEXION AND SHEAR BEAMS

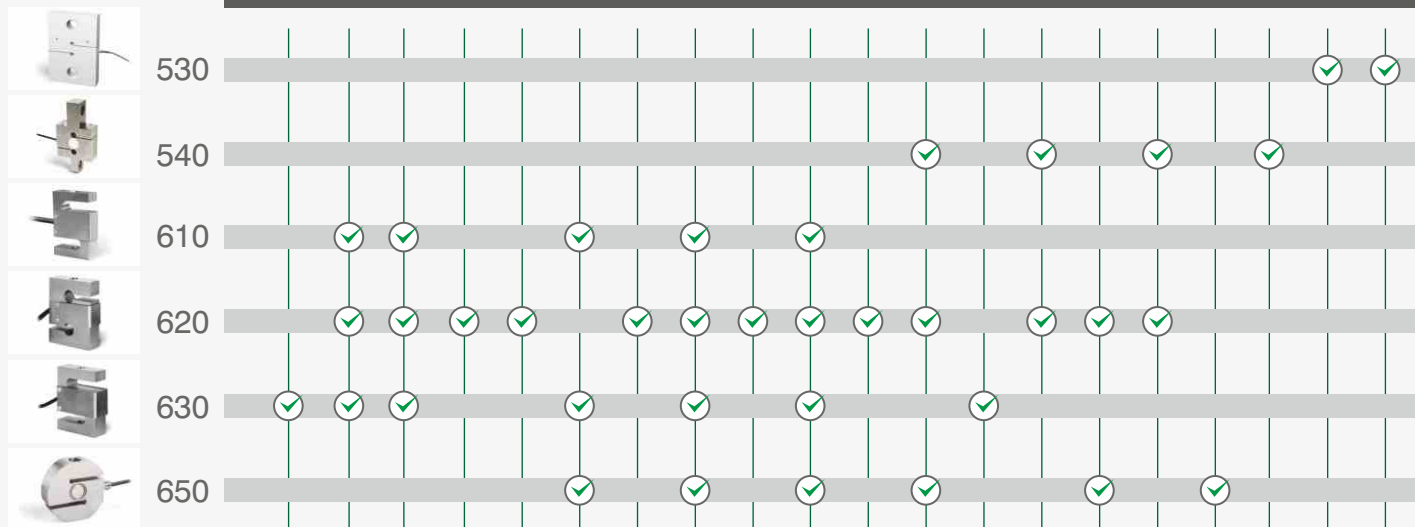
MODELS



LOAD CELL SELECTION BY CAPACITY

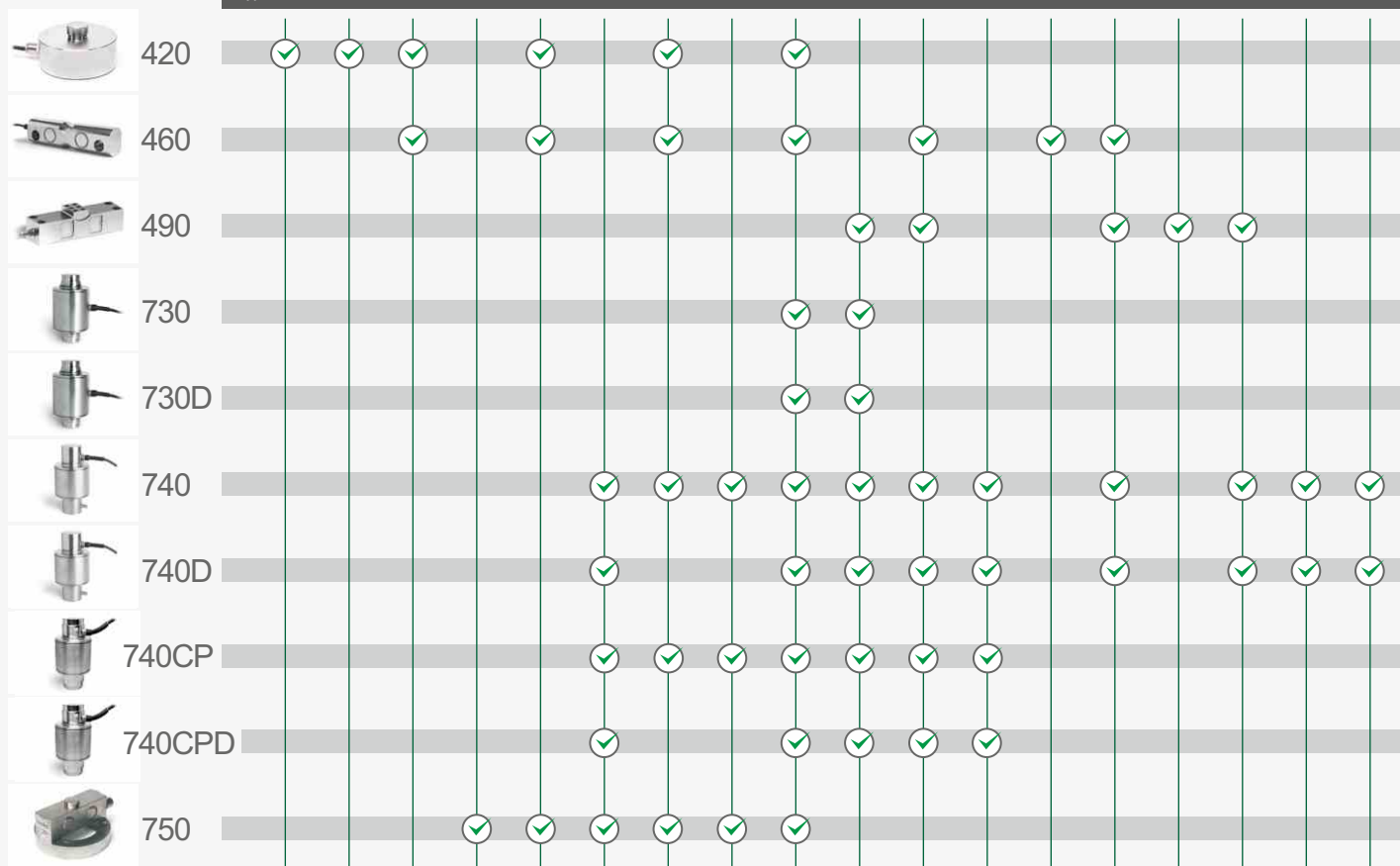
TENSION OR COMPRESSION

MODELS

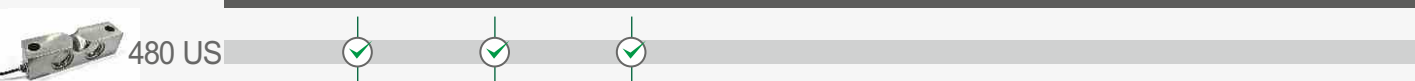


COMPRESSION OR SHEAR BEAMS

MODELS



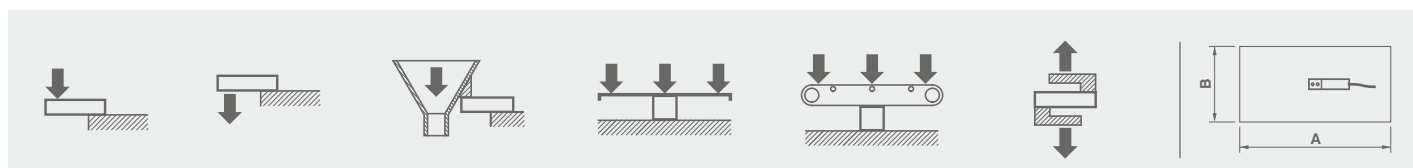
MODELS



PLATFORM CELLS

APPLICATIONS

- Platform scales, medium and high capacity
- Price computing scales
- Medical scales
- Bench and hopper weighing
- Counting scales
- Packing and filling machines
- Check weighers
- Multihead weighers
- Textile machines
- Bagging scales



MOD. 102

Characteristics:

- 3000 Div.
- Double bending beam
- Aluminium alloy
- IP 66

Capacity (kg)	Plat. Ax B (mm)
5 - 8 - 10	350 x 350
15 - 20	350 x 350
30 - 50	350 x 350



MOD. 104

Characteristics:

- 3000 Div.
- Double bending beam
- Aluminium alloy
- IP 66

Capacity (kg)	Plat. Ax B (mm)
0.3 - 0.6	200 x 200
1.2 - 3	200 x 200



MOD. 105

Characteristics:

- 3000 Div.
- Double bending beam
- Beryllium-Copper alloy

Capacity (kg)	Plat. Ax B (mm)
2 - 3	150 x 150
5	250 x 250



MOD. 120

Characteristics:

- 4000 Div.
- Double bending beam
- Beryllium-Copper alloy

Certificates:

Capacity (kg)	Plat. Ax B (mm)
7.5	400 x 300
10 - 15	400 x 400
20 - 30 - 50	400 x 400



MOD. 140

Characteristics:

- 3000 Div.
- Double bending beam
- Aluminium alloy
- IP 66

Certificates:

Capacity (kg)	Plat. Ax B (mm)
3 - 5 - 8 - 10	400 x 400
15 - 20 - 30	400 x 400
50 - 75 - 100	400 x 400



MOD. 160

Characteristics:

- 3000 Div.
- Double bending beam
- Nickel-plated steel
- IP 66
- HT option for high temperature

Certificates:

Capacity (kg)	Plat. Ax B (mm)
15 - 20 - 30	500 x 500
50 - 75	500 x 500
100 - 150	500 x 500



PRODUCTS

LOAD CELLS – MOUNTING ACCESSORIES – WEIGHING INDICATORS



MOD. 190

Characteristics:

- Double bending beam
- 190 a:** 4000 Div. Nickel-plated steel. Silicone sealing, IP 66
- 190 i:** 3000 Div. Fully stainless steel. Hermetically sealed, Fully welded, IP 68 / IP 69K
- Digital Stainless Steel version optional



Certificates:

Capacity (kg)	Plat. Ax B (mm)
15 - 20 - 30	600 x 600
50 - 75 - 120	600 x 600
200 - 350	600 x 600
250 - 400	800 x 800



MOD. 220

Characteristics:

- 3000 Div.
- Double bending beam
- Aluminium alloy
- IP 67



Certificates:

Capacity (kg)	Plat. Ax B (mm)
50 - 75 - 100	600 x 600
150 - 200 - 250	600 x 600
300 - 500 - 635	600 x 600



MOD. 230

Characteristics:

- 3000 Div.
- Double bending beam
- Aluminium alloy
- IP 66

Capacity (kg)	Plat. Ax B (mm)
7.5 - 12	400 x 400
18 - 36	400 x 400



MOD. 240

Characteristics:

- 4000 Div.
- Double bending beam
- Aluminium alloy
- IP 66



Certificates:

Capacity (kg)	Plat. Ax B (mm)
5 - 7.5 - 10	500 x 500
15 - 20 - 35	500 x 500



MOD. 250

Characteristics:

- 3000 Div.
- Double bending beam
- Aluminium alloy
- IP 66



Certificates:

Capacity (kg)	Plat. Ax B (mm)
37.5 - 50	600 x 600
75 - 200	500 x 500



MOD. 270

Characteristics:

- 3000 Div.
- Double bending beam
- Aluminium alloy
- IP 66

Capacity (kg)	Plat. Ax B (mm)
100 - 200	400 x 400
300	400 x 400

Dynamic Weighing

CHARACTERISTICS

- Faster settling time
- Higher weighing speeds
- Fluid damping
- Increase load cell life
- Reduction of vibrations



MOD. 200

Characteristics:

- Double bending beam
- Stainless steel housing
- Oil damped
- IP 65

Capacity (kg)	Plat. Ax B (mm)
2 - 3	150 x 150
5	250 x 250
7.5	300 x 300
10 - 15 - 20 - 30	400 x 300



MOD. 260

Characteristics:

- 3000 Div.
- Double bending beam
- Stainless steel housing
- Oil damped
- IP 68



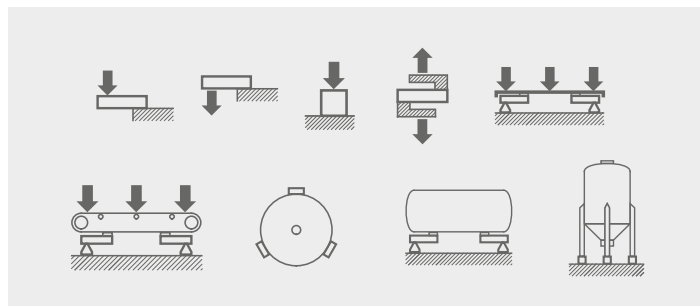
Certificates:

Capacity (kg)	Plat. Ax B (mm)
5 - 7.5 - 10	500 x 500
15 - 20 - 35	500 x 500
50 - 75 - 120 - 200	600 x 600

FLEXION AND SHEAR BEAMS

APPLICATIONS

- Hybrid or scale conversions
- 4-cell platform scales
- Silos, tanks and hopper scales
- Industrial applications in the harshest environments



MOD. 300

Characteristics:

- 3000 Div.
- Double bending beam
- Fully stainless steel
- Hermetically sealed, fully welded
- IP 68 / IP 69K
- HT option for high temperature
- Option: 6000 Div

Certificates:

Capacity (kg)

5 - 10 - 20 - 30 - 50 - 75 - 100
150 - 200 - 250 - 300 - 500



Accessories



30901 + RO12x1.75



30904 + 30903
From 5 to 50 kg
30905 + 30903
From 75 to 300 kg
30906 + 30903
500 kg



30907



MOD. 340

Characteristics:

- 3000 Div.
- Double bending beam
- Fully stainless steel
- Hermetically sealed, fully welded
- IP 68

Certificates:

Capacity (kg)

15 - 30 - 50 - 75 - 100 - 150 - 200
250 - 300 - 500 - 750 - 1000 - 1500



Accessories



34905 + RO12x1.75



30904 + 34903
From 15 to 50 kg
30905 + 34903
From 75 to 300 kg
34906 + 34903
From 500 to 750 kg



35901



FT12i



MOD. 350

Characteristics:

- 3000 Div.
- Shear beam
- 350 i: Inox-Hermetic IP 68/IP 69K
- 350 a: Inox-Silicone IP 66
- 350 n: Nickel-Silicone IP 66
- 350T Version optional
- HT option for high temperature

Certificates:

Capacity (kg)

300 - 500 - 750 - 1000 - 1500 - 2000
3000 - 5000 - 7500 - 10000



Accessories



35901
From 0.3 to 2 t



FT12i
From 0.3 to 2 t



35913
From 0.3 to 2 t



35917i
From 3 to 5 t



35916i
For 350T Version



35902
From 0.3 to 2 t
35903
From 3 to 5 t

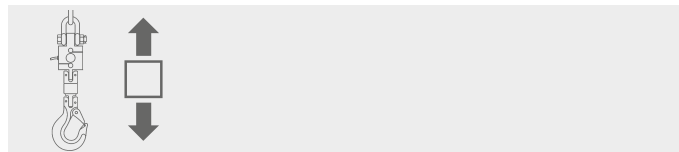


35909 + 35911
From 0.3 to 2 t
35910 + 35912
From 3 to 5 t
35918 + 35919
From 7.5 to 10 t

TENSION

APPLICATIONS

- Crane scales
- Tension test machines



MOD. 530

Characteristics:

- 2000 Div.
- Tension
- Nickel-plated steel
- IP 66

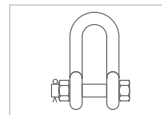
 Capacity (t)

20 - 25

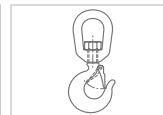
Accessories



100003
From 20 to 25 t



108003
From 20 to 25 t



110003
From 20 to 25 t



MOD. 540

Characteristics:

- 3000 Div.
- Tension
- Nickel-plated steel
- IP 66

 Capacity (t)

2 - 3 - 6 - 10

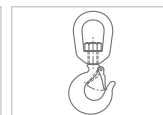
Accessories



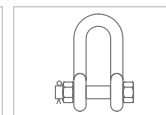
549001
From 2 to 3 t
549002
From 6 to 10 t



549003
From 2 to 3 t
549004
6 t



108002
10 t

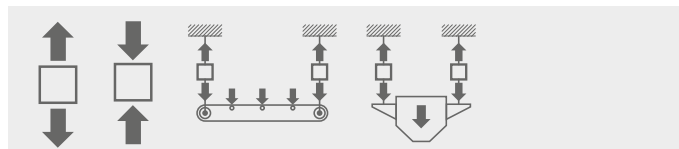


110001
From 2 to 3 t
110002
6 t
110004
10 t

TENSION OR COMPRESSION

APPLICATIONS

- Crane scales
- Tanks, hoppers & conveyor belt scales
- Hybrid or scale conversions
- Test machines



MOD. 610

Characteristics:

- 3000 Div.
- Tension - Compression
- Nickel-plated steel
- IP 67

 Capacity (kg)

50 - 100 - 250
500 - 1000

Accessories



TE10x1.5
From 50 to 100 kg
TE12x1.75
From 250 to 1000 kg



RO10x1.5
From 50 to 100 kg
RO12x1.75
From 250 to 1000 kg



MOD. 620

Characteristics:

- 3000 Div.
- Tension - Compression
- Nickel-plated steel
- IP 67

 Capacity (kg)

50 - 100 - 150 - 200 - 300
500 - 750 - 1000 - 1500
2000 - 3000 - 5000 - 6000

Accessories



TE12x1.75
From 50 to 1000 kg
TE16x2
From 1500 to 2000 kg
TE24x2
From 3000 to 6000 kg



RO12x1.75
From 50 to 1000 kg
RO16x2
From 1500 to 2000 kg
RO24x2
From 3000 to 6000 kg

PRODUCTS

LOAD CELLS – MOUNTING ACCESSORIES – WEIGHING INDICATORS



MOD. 630

Characteristics:

- 3000 Div.
- Tension - Compression
- Nickel-plated steel
- IP 67

Certificates:

Capacity (kg)
25 - 50 - 100 - 250 500 - 1000 - 2500



Accessories



TE8x1.25

From 25 to 100 kg

TE12x1.25

From 250 to 1000 kg

TE20x1.5

2500 kg



RO8x1.25

From 25 to 100 kg

RO12x1.25

From 250 to 1000 kg

RO20x1.5

2500 kg



MOD. 650

Characteristics:

- 3000 Div. (*2000 Div.)
- Tension - Compression
- Fully stainless steel
- Hermetically sealed. Fully welded. IP 68
- HT option for high temperature

Certificates:

Capacity (kg)
250* - 500 - 1000 - 2000 5000 - 7500



Accessories



TE12x1.75

From 250 to 500 kg

TE20x1.5

From 1000 to 2000 kg

TE24x2

From 5000 to 7500 kg



RO12x1.75

From 250 to 500 kg

RO20x1.5

From 1000 to 2000 kg

RO24x2

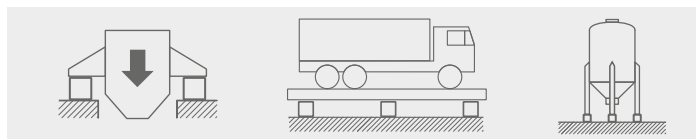
From 5000 to 7500 kg

COMPRESSION OR SHEAR BEAMS

APPLICATIONS

- Truck scales
- Axle weighing

- Tanks and vessels
- Silos



MOD. 420

Characteristics:

- 2000 Div.
- Compression
- Fully stainless steel
- Hermetically sealed. Fully welded, IP 68 (EN 605629) and IP69K (ISO 20653)
- Acc. Zinc-plated (inox. optional)
- HT option for high temperature

Certificates:

Capacity (t)
1-2.5 - 5 - 10 - 20 - 30



Accessories



42901

From 1 to 10 t

42902

From 20 to 30 t



MOD. 460

Characteristics:

- 3000 Div.
- Double shear beam
- Fully stainless steel
- Hermetically sealed. Fully welded, IP 68 (EN 605629) e IP69K (ISO 20653)
- Acc. Zinc-plated (inox. optional)
- HT option for high temperature
- Option: Certified mounting kit EN 1090

Certificates:

Capacity (t)
5 - 10 - 20 - 30 - 50 75 - 100



Accessories



46901

From 5 to 20 t

46902

From 30 to 50 t

46903

From 75 to 100 t



46902CG

50 t

46903CG

100 t



MOD. 480 US

Characteristics:

- Double shear beam
- 5000 Div NTEP class III* and 10000 Div NTEP class III*
- 480n: Nickel-Silicone IP 66
- 480i: Inox-Hermetic IP 68/IP 69K

Certificates:

Capacity (lb)
25k - 50k - 75k





MOD. 490

Characteristics:

- Double shear beam
- Nickel-plated steel
- IP 67
- High temperature (HT)

Capacity (t)

40 - 50 - 100 - 150 - 200

Accessories



MOD. 730

Characteristics:

- 4000 Div.
- Selfcentering column
- Fully stainless steel
- Lightning protection
- Hermetically sealed.
- Fully welded. IP 68 / IP 69K
- Digital version optional and HT for high temperature

Certificates:

Capacity (t)

30 - 40

73902

Mod. 730 30 t

73903

Mod. 730 40 t + 730D

Accessories



MOD. 740

Characteristics:

- 4000 Div. (*1000 Div.)
- Selfcentering column
- Fully stainless steel
- Lightning protection
- Hermetically sealed.
- Fully welded. IP 68 / IP 69K
- Digital version optional and HT for high temperature

Certificates:

Capacity (t)

15 - 20 - 25 - 30 - 40 - 50 - 60
100* - 200* - 400* - 600*

74901 + 74902 + 74903

From 15 to 50 t

74905 + 74902 + 74903

60 t

74901

From 15 to 50 t

74905

60 t

74904

From 100 to 200 t

74911

400 t

74912

600 t

74907

From 15 to 50 t

74908

60 t

74909

From 100 to 200 t

74910

400 t

74914

600 t

Accessories



MOD. 740 CP

Characteristics:

- 4000 Div.
- Selfcentering column
- Fully stainless steel
- Lightning protection
- Hermetically sealed.
- Fully welded. IP 68 / IP 69K
- Digital version optional and HT for high temperature

Certificates:

Capacity (t)

15 - 20 - 25 - 30 - 40 - 50 - 60

74901CPN

74905CPN

Accessories



MOD. 750

Characteristics:

- 3000 Div.
- Double shear beam
- Hermetically sealed. Fully welded. IP 68
- 750 a: Epoxy painted
- 750 i: Fully stainless steel

Certificates:

Capacity (t)

7.5 - 10 - 15 - 20 - 25 - 30

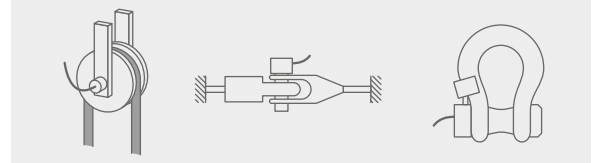
75905 + 75903

75906

CUSTOM MADE LOAD PIN

APPLICATIONS

- Overload protection
- Cranes and lift equipment
- Load limiting in conveyor systems
- On-board weighing in mobile machinery
- Pivots and shackles
- Winches and mooring lines



PIN

Characteristics:

- Custom dimensioning load pin
- Double shear beam
- Stainless steel
- IP 66
- Optional: IP 68, integrated amplifier, connector and HT for high temperature

Certificates:

Capacity

According to client design



JUNCTION BOX



CHARACTERISTICS:

- Allows the connectivity of up to 4 or 8 load cells to the weighing indicator.
- Available in plastic or aluminium.
- Corner trimming potentiometers.
- Version with Surge arrestors for lightning protection.
- Available ATEX version Zone 0-1-2 (gas) and 20-21-22 (dust).

JUNCTION BOX

89053	Junction box up to 4 load cells plastic hermetic
89128	Junction box up to 4 load cells over voltage protected- aluminium hermetic
89093	Junction box up to 4 load cells aluminium hermetic in ATEX 
89002	Junction box up to 8 load cells plastic hermetic
89068	Junction box up to 8 load cells over voltage protected- aluminium hermetic
89092	Junction box up to 8 load cells aluminium hermetic in ATEX 
89090	Digital Junction box up to 8 load cells aluminium hermetic

JUNCTION CIRCUITS (Circuit Board without box)

89069	Junction circuit board up to 4 load cells
89129	Junction circuit board up to 4 load cells protected
89070	Junction circuit board up to 8 load cells
89071	Junction circuit board up to 8 load cells protected

MATRIX II HIGH PERFORMANCE ALPHANUMERIC WEIGHING INDICATOR



CHARACTERISTICS:

- Graphic monochrome display 240x128 pixels
- Single Scale connection or Double Scale connection
- Time & Date
- Connectivity: two RS-232 ports, one RS-485 port, one free port to extend the indicator to several fieldbuses
- Universal power supply 100/240 V AC, 50/60 Hz and 10/24 V DC.
- Multi-range
- Configurable ticket
- Metrological sealing by software or mechanical
- Flash memory for software update

SELECTABLE APPLICATIONS:

- **Weighbridge:**
Software for management of vehicle entrance and exit in plants, database (registration numbers, products, customers/suppliers...) as well as the printing tickets and listings
Multilingual: english, french, german, spanish, portuguese and czech
- **Industrial:**
Weigh-Tare. Piece counting. Weight accumulation
Programmable pre-fixed tares
- **Dosing**

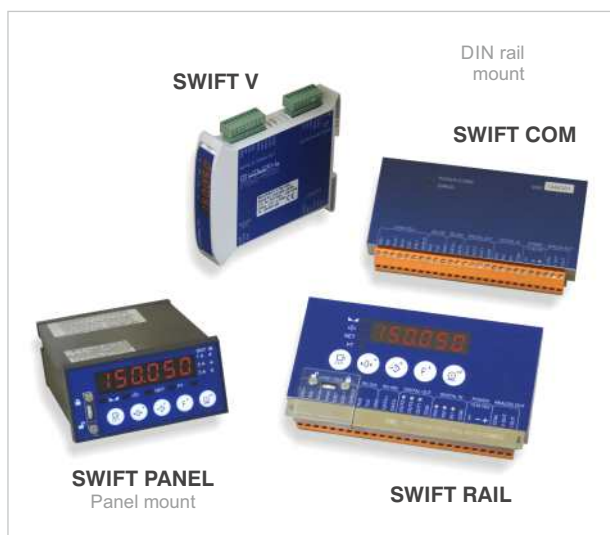
INTERFACE FOR ANALOG LOAD CELLS:

- A/D 24 bits; 16.000.000 internal divisions; 100.000 external divisions. Power up to 8 load cells (350 Ω) or up to 16 load cells (700 Ω)
- Milivolt pre-calibration: Allows start-up without calibration masses

INTERFACE FOR DIGITAL LOAD CELLS:

- Power up to 16 digital load cells and 1200 m distance
- Digital pre-calibration: Allows start-up without calibration masses

SWIFT WEIGHING INDICATOR & HIGH SPEED TRANSMITTER



CHARACTERISTICS:

- Display 6 digit 10mm LED
- High resolution: 24bits ADC with 16.000.000 internal divisions and 500.000 external divisions
- High speed reading: 2400 measures per second
- Configuration and calibration by keyboard or computer
- Calibration by masses or in mV/V, allowing the start-up without calibration masses entering the load cell capacity and sensitivity in mV/V
- Selectable digital filters
- Calibration sealing by software or mechanically
- Power up to 8 load cells (350 Ω) or up to 16 load cells (700 Ω)
- Communication RS-232 & RS-485 (Modbus RTU y ASCII) and optional Profibus, Profinet or Ethernet/IP
- Analogue output configurable at 0/5 V, 0/10 V, 0/20 mA y 4/20 mA, with galvanic isolation
- 3 Digital opto-isolated inputs
- 3 or 4 Digital outputs to relay
- Power supply 10 - 28 V DC.

APPLICATIONS:

- Process weighing and level measurement in tanks & silos
- Filling and dosing machines, by weight, in charge or discharge
- Check-weigher scales
- Animal weighing scales
- Test machinery
- High speed dynamic sorting scales
- Multihead scales
- PC/PLC weight transmission
- Multiple weight indicators connection in the same bus
- Crane overload control

VERSIONS:

- **SWIFT RS** Serial outputs
- **SWIFT RS + ANALOG** Serial and analogue outputs
- **SWIFT PROFIBUS** Profibus version
- **SWIFT PROFINET** Profinet version
- **SWIFT ETHERNET/IP** Ethernet/IP version

SMART WEIGHING INDICATOR



CHARACTERISTICS:

- OIML R76 & EN 45501 Approved, single or Multirange, 6000 div at 0,6 μ V/div.
- Display 7 digit 20mm LED high bright.
- High resolution: 24 bits A/D, 16.000.000 internal divisions; 100.000 external divisions.
- Friendly configuration and calibration menu.
- Calibration by Masses or in mV/V, allowing the start-up without calibration masses entering the load cell capacity and sensitivity in mV/V.
- Calibration sealing by software or mechanically
- Power up to 4 load cells (350 Ω) or up to 8 load cells (700 Ω).
- RS-232 serial port for PC, printer or remote display connection.
- Mounting: bench/wall mounting kit.
- External Power supply 100-240V AC 50/60 Hz.
- High electromagnetic interference protection using filters, ferrites and shields.
- Multi-range: for a dual range and dual division size.
- Standard Ticket or customized from PC.
- Linearity correction.

APPLICATIONS:

- Weight Indicator for industrial scales, platform scales, pallet-scales, truck scales
- Scales in food, chemical and pharma industries, with hermetic stainless steel version IP65
- Weighing Indicator for tanks and silos
- Piece counting and totalizations (accumulation of weights)
- Configurable as a weight indicator or as a remote display of other indicator
- Animal weighing / check-weigher

OPTIONS:

- Available **ATEX**  version Zone 2 (gas) and 21-22 (dust)
- Alibi Memory DSD legal-for-trade with half million weight registers
- 4 digital inputs
- 4 digital outputs
- Analogue output configurable at 0-5 V, 0-10 V, 0-20 mA, 4-20 mA
- External power supply of 12 V DC
- Additional communication RS-232 and RS-485

SMART DIGITAL WEIGHING INDICATOR



CHARACTERISTICS:

- Approved on OIML R76 and EN 45501, Single Range or Multi-range
- Display 7 digit 20mm LED high bright.
- Configuration and adjustment by keyboard and/or PC Software
- Calibration by Masses or numerical. Allows to start up the scale without physical masses, using the digital load cells internal values
- Corner adjustment by PC software
- Calibration sealing by software or mechanically
- Connect up to 16 digital load cells model 740D or compatibles
- Communication RS-232 and USB to PC
- Communication RS-232 to a printer or repeater
- Communication MODBUS RTU and ASCII by serial ports or USB
- Mounting: bench/wall mounting kit
- External power supply 100-240 V AC 50/60 Hz
- High electromagnetic interference protection using filters, ferrites and shields
- Multi-range: for dual range and dual division size
- Standard Ticket or customized from PC
- Linearity correction

APPLICATIONS:

- Weight Indicator for industrial scales and truck scales
- Weight Indicator for Tanks and Silos
- Piece counting and Totalizations (accumulation of weights)
- Animal weighing / Checkweigher

OPTIONS:

- Alibi Memory DSD legal-for-trade, with more than half million weight registers
- 4 Digital inputs
- 4 Digital outputs
- Additional communication RS-232 and RS485

PRODUCTS

LOAD CELLS – MOUNTING ACCESSORIES – WEIGHING INDICATORS

RD 60 REMOTE DISPLAY FOR WEIGHING



CHARACTERISTICS:

- Remote display for SMART, SMART DIGITAL, MATRIX II and SWIFT
- 7 digit weight LED 57 mm and 8 status LED
- IP 65 Stainless Steel enclosure
- Communication RS-232 & RS-485
- External Power supply: 230 ± 10% V AC 50/60 Hz 12 W
- Mounting hardware included

DAT DIGITAL/ANALOG LOAD CELL TRANSMITTER

DAT 400

DIN rail mount



DAT 500

Panel mount

CHARACTERISTICS:

- Configuration and calibration by computer interface or via front panel keyboard
- Calibration by tension and/or by mass
- 2 optically-isolated logic Inputs
- 2 optically-isolated logic Outputs
- Selectable Digital filtering
- Auto zero and zero-tracking functions
- Linearity compensation
- Analog outputs: 0/5 V DC, 0/10 V DC, 0/20 mA and 4/20 mA
- Serial Outputs:
RS-232, RS-422 or RS-485 with MODBUS RTU protocol.
Option: PROFIBUS or DEVICENET (replace analog output)
- Up to 32 addressable units can be connected point to point by using the RS-485 serial output
- ABS enclosure

DP100 WEIGHING INDICATOR



CHARACTERISTICS:

- High resolution: 20 bits A/D, 1.000.000 internal divisions
- Display 6 digits 25.4 mm LCD with LED backlight
- RS-232 serial port for PC or printer connection
- Load cell excitation at 5 V DC, power up to 4 load cells (350 Ω) or up to 8 load cells (700 Ω)
- Power supply: Adaptor of 9 V DC included or 5 batteries AA size
- Multi-range
- Animal weighing

PRODUCTS

LOAD CELLS – MOUNTING ACCESSORIES – WEIGHING INDICATORS

SGA ANALOG CONVERTER FOR LOAD CELLS



CHARACTERISTICS:

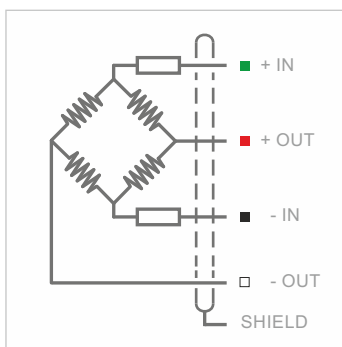
- User-selectable analogue output:
 $\pm 10\text{ V}$, $\pm 5\text{ V}$, $0/10\text{ V}$, $0/5\text{ V}$, $0/20\text{ mA}$, $4/20\text{ mA}$
- Power up to 4 load cells ($350\ \Omega$) or up to 8 load cells ($700\ \Omega$)
- Gain adjustment for different load cell sensibilities
- Zero adjustment
- ABS enclosure with cable glands

VERSIONS:

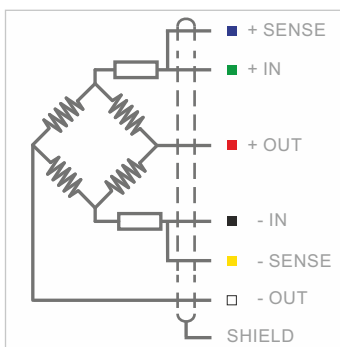
- **SGA/A** 110/230 V AC 50/60 Hz and 18/24 V DC
- **SGA/D** 18/24 V DC

ELECTRICAL CONNECTION

4 WIRES:



6 WIRES:



"SENSES"

2 additional wires to maintain a constant voltage supply at the load cell when used with proper instrumentation.

Use specially when long wires and wide temperature range.

SHIELD

Not connected to transducer body



Handwriting practice lines consisting of 20 horizontal gray lines.



APPLICATIONS

- Single point platform scales
- 4-cell platform scales
- Light vehicle weighbridges
- Truck scales
- Axle weighing
- Packing and filling machines
- Price computing scales
- Medical scales
- Dosing in mixers, tanks and hoppers
- Silo level measurement
- Check weighers
- Hybrid or scale conversions
- Crane scales, tension test machine
- Hoppers and silos in the metal industry
- Demanding environments: high IP protection, HT for high temperatures and ATEX for explosive atmospheres

