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CATALOGUE 2026

WEIGHBRIDGES

30 YEARS
1996-2026

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WEIGHBRIDGES

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BPPSE/ BPPSES EVO

WIDTH
3 - 3,3 - 3,5 m

CAPACITY
30 - 100 t

MIXED
UNIDIRECTIONAL OR OMNIDIRECTIONAL (2 directions)
Usage rate: HIGH
INSTALLATION: RECESSED OR ABOVE GROUND
See the section on accessories for more options.

**Two solutions to
adapt to use and
environment.**



→ BPPSE EVO

Factory-concreted version. This version is supplied with the concrete already poured at the factory, saving on assembly and drying costs of the weighbridge, allowing weighing to begin the same day as installation.

→ BPPSES EVO

Version with metal formwork. This version is supplied with metal formwork welded to the platform for pouring the concrete.

SPECIFICATIONS

FEATURES

Height of the rolling surface	300 mm
Access ramps	For above-ground weighbridges. 10% incline
Finish	Two-component polyurethane paint in RAL 5004 blue Inspection covers and/or RAL1004
Screws	8.8 grade zinc-plated bolts
Installation	Above-ground or embedded

LOAD CELLS

Load cells	Stainless steel IP69K. 4000 d OIML R60
OPTIONAL CELLS	Load cells for weighbridges of 60 t » G8R model of 20 t Load cells for weighbridges of 30 t » G8R model of 20 t For BPPSES EVO models of 80-100 t » G8R model of 30 t

STRUCTURE

For weighbridges of 30-60-80 t (BPPSE EVO):

- » Modules with IPE-240 and IPE-140 profiles.
- » Headers with 12 mm thick handrails.
- » 8 mm tear plate in inspection covers and central plates.

For weighbridges of 100 t (BPPSE EVO):

- » Modules with IPE-270 and IPE-160 profiles.
- » Headers with 12 mm thick handrails.
- » 8 mm tear plate in inspection covers and central plates.

MODULES

BPPSE EVO (3 meters)

- » Constructed from modules that combine: 5.6 x 1.5 m and 3.6 x 1.5 m.

BPPSE EVO (3.3 meters)

- » Constructed from modules that combine: 5.6 x 1.5 m and 3.6 x 1.5 m.
- » With central plate of 300 mm.

BPPSE EVO (3.5 meters)

- » Constructed from modules that combine: 5.6 x 1.5 m and 3.6 x 1.5 m.
- » With central plate of 500 mm.

BPPSE EVO XC (3 meters)

- » Constructed with modules of: 1.35 m or 1.25 m (width) x 5.6 m and/or 3.6 m (length).
- » With central plate of 300 or 500 mm (depending on the width of the modules).

ELECTRONICS

- » ABS junction box with 4 or 6 load cells, depending on the dimensions of the weighbridge, with potentiometers. IP65 protection.
- » 15 m cable length from the weighbridge to the indicator.
- » It is advisable to install a ground connection according to instruction M.I.BT-039 (not included in our supply).

OPTIONALS

LOAD CELLS

- » G8RD/G8RD Dual digital load cells.
- » C16 load cells.
- » GIP/GIPD load cells.

ACCESSORIES FOR CIVIL WORKS

For BPPSE EVO models

- » Entry and exit angles (above ground weighbridges).
- » Perimeter angle for pit finishing (recessed weighbridges).
- » Cubicles.
- » Headers to support the access ramps.
- » Metal ramps 1000, 1500, 1650 mm or 1750 mm wide.

For BPPSES EVO models

- » Entry and exit angles (above ground weighbridges).
- » Perimeter angle for pit finishing (recessed weighbridges).
- » Cubicles.
- » Headers to support the access ramps.
- » Metal ramps, 1000 or 1500 mm wide.

FINISHES

- » Special paint: surface, beams and crossbars sandblasted, with special paint according to customer specifications.
- » Galvanized: corrosion-resistant galvanized finish that reduces maintenance and extends service life.

FACTORY-CONCRETED

Factory-concreted version. This variant is delivered with the concrete already poured and cured in the platforms, which considerably reduces installation times. It allows weighing to begin the same day as assembly, optimizing resources and avoiding on-site waiting.

BPPSE EVO

Capacity 30-60 t

GALVANIZED SUPPLEMENT

3 m (without central plate)

Capacity (t)	Length (m)	No. load cells	Height (mm)	Code	Code
30	6	4	300	150557	160420
30	8	6	300	150558	160421
30	10	6	300	150559	160422
60	12	6	300	150560	160423
60	14	8	300	150561	160424
60	16	8	300	150562	160425
60	18	8	300	150563	160426
60	20	10	300	150564	160427
60	21	10	300	150565	160428
60	22	10	300	150566	160429
60	24	10	300	150567	160430
60	26	12	300	150568	160431

Note 1: references do not include the weight indicator. Note 2: fixing anchors included.

Capacity 60-80 t

GALVANIZED SUPPLEMENT

3 m (without central plate)

Capacity (t)	Length (m)	No. load cells	Height (mm)	Code	Code
60	6	4	300	150956	165091
60	8	6	300	150957	165092
60	10	6	300	150958	165093
80	12	6	300	150959	165094
80	14	8	300	150907	160496
80	16	8	300	150908	160497
80	18	8	300	150909	160498
80	20	10	300	150910	160499
80	21	10	300	150960	160500
80	22	10	300	150911	160501
80	24	10	300	150912	160502
80	26	12	300	150961	160503

Note 1: references do not include the weight indicator. Note 2: fixing anchors included.

Capacity 100 t

GALVANIZED SUPPLEMENT

3 m (without central plate)

Capacity (t)	Length (m)	No. load cells	Height (mm)	Code	Code
100	14	8	300	151235	160496
100	16	8	300	151236	160497
100	18	8	300	151237	160498
100	20	10	300	151238	160499
100	21	10	300	151239	160500
100	22	10	300	151240	160501
100	24	10	300	151241	160502
100	26	12	300	151242	160503

Note 1: references do not include the weight indicator. Note 2: fixing anchors included.

BPPSE EVO

WITH CENTRAL PLATE

These models incorporate a bolted central plate that covers the space between platforms. This solution facilitates uninterrupted vehicle passage, protects the load cell system from debris entry, and, being removable, allows quick access to the interior for inspection and maintenance tasks. It increases the durability of the assembly and improves daily operations.

Capacity 30-60 t

Capacity (t)	Length (m)	No. load cells	Height (mm)	Code	GALVANIZED SUPPLEMENT			GALVANIZED SUPPLEMENT		
					3.3 m (with central plate)			3.5 m (with central plate)		
30	6	4	300	150581			160432		150605	160444
30	8	6	300	150582			160433		150606	160445
30	10	6	300	150583			160434		150607	160446
60	12	6	300	150584			160435		150608	160447
60	14	8	300	150585			160436		150609	160448
60	16	8	300	150586			160437		150610	160449
60	18	8	300	150587			160438		150611	160450
60	20	10	300	150588			160439		150612	160451
60	21	10	300	150589			160440		150613	160452
60	22	10	300	150590			160441		150614	160453
60	24	10	300	150591			160442		150615	160454
60	26	12	300	150592			160443		150616	160455

Note 1: references do not include the weight indicator. Note 2: fixing anchors included.

Capacity 60-80 t

Capacity (t)	Length (m)	No. load cells	Height (mm)	Code	GALVANIZED SUPPLEMENT			GALVANIZED SUPPLEMENT		
					3.3 m (with central plate)			3.5 m (with central plate)		
60	6	4	300	151159			163234		151165	165103
60	8	6	300	151160			163235		151166	165104
60	10	6	300	151161			163236		151167	165105
80	12	6	300	151162			163237		151168	165106
80	14	8	300	150913			163238		150919	165107
80	16	8	300	150914			163239		150920	165108
80	18	8	300	150915			163240		150921	165109
80	20	10	300	150916			163241		150922	165110
80	21	10	300	151163			163242		151169	165111
80	22	10	300	150917			163243		150923	165112
80	24	10	300	150918			163244		150924	165113
80	26	12	300	151164			163245		151170	165114

Note 1: references do not include the weight indicator. Note 2: fixing anchors included.

Capacity 100 t

Capacity (t)	Length (m)	No. load cells	Height (mm)	Code	GALVANIZED SUPPLEMENT			GALVANIZED SUPPLEMENT		
					3.3 m (with central plate)			3.5 m (with central plate)		
100	14	8	300	151219			165123		151227	165131
100	16	8	300	151220			165124		151228	165132
100	18	8	300	151221			165125		151229	165133
100	20	10	300	151222			165126		151230	165134
100	21	10	300	151223			165127		151231	165135
100	22	10	300	151224			165128		151232	165136
100	24	10	300	151225			165129		151233	165137
100	26	12	300	151226			165130		151234	165138

Note 1: references do not include the weight indicator. Note 2: fixing anchors included.

OPTIONALS

Description	Code
Special concrete for BPPSE EVO 14 x 3 truck scale	168202
Special concrete for BPPSE EVO 16 x 3 truck scale	168203
Special concrete for BPPSE EVO 18 x 3 truck scale	168204

CAST-IN-PLACE CONCRETE

Version for in-situ casting. The metal structure is supplied ready for pouring concrete at the installation site, allowing adaptation to the specific environment. Ideal for projects where local staff and materials are to be used.

BPPSES EVO

Capacity 30-60 t

GALVANIZED SUPPLEMENT

3 m (without central plate)

Capacity (t)	Length (m)	No. load cells	Height (mm)	Code	Code
30	6	4	300	150545	160420
30	8	6	300	150546	160421
30	10	6	300	150547	160422
60	12	6	300	150548	160423
60	14	8	300	150549	160424
60	16	8	300	150550	160425
60	18	8	300	150551	160426
60	20	10	300	150552	160427
60	21	10	300	150553	160428
60	22	10	300	150554	160429
60	24	10	300	150555	160430
60	26	12	300	150556	160431

Note 1: references do not include the weight indicator. Note 2: references do not include the concrete casting. Note 3: fixing anchors included.

Capacity 60-80 t

GALVANIZED SUPPLEMENT

3 m (without central plate)

Capacity (t)	Length (m)	No. load cells	Height (mm)	Code	Code
60	6	4	300	150944	165091
60	8	6	300	150945	165092
60	10	6	300	150946	165093
80	12	6	300	150947	165094
80	14	8	300	150948	160496
80	16	8	300	150949	160497
80	18	8	300	150950	160498
80	20	10	300	150951	160499
80	21	10	300	150952	160500
80	22	10	300	150953	160501
80	24	10	300	150954	160502
80	26	12	300	150955	160503

Note 1: references do not include the weight indicator. Note 2: references do not include the concrete casting. Note 3: fixing anchors included.

Capacity 100 t

GALVANIZED SUPPLEMENT

3 m (without central plate)

Capacity (t)	Length (m)	No. load cells	Height (mm)	Code	Code
100	14	8	300	150643	160496
100	16	8	300	150644	160497
100	18	8	300	150645	160498
100	20	10	300	150646	160499
100	21	10	300	150647	160500
100	22	10	300	150648	160501
100	24	10	300	150649	160502
100	26	12	300	150650	160503

Note 1: references do not include the weight indicator. Note 2: references do not include the concrete casting. Note 3: fixing anchors included.

BPPSES EVO

WITH CENTRAL PLATE

These models incorporate a bolted central plate that covers the space between platforms. This solution facilitates uninterrupted vehicle passage, protects the load cell system from debris entry, and, being removable, allows quick access to the interior for inspection and maintenance tasks. It increases the durability of the assembly and improves daily operations.

Capacity 30-60 t

				GALVANIZED SUPPLEMENT				GALVANIZED SUPPLEMENT			
				3.3 m (with central plate)				3.5 m (with central plate)			
Capacity (t)	Length (m)	No. load cells	Height (mm)	Code		Code		Code		Code	
30	6	4	300	150569		160432		150593		160444	
30	8	6	300	150570		160433		150594		160445	
30	10	6	300	150571		160434		150595		160446	
60	12	6	300	150572		160435		150596		160447	
60	14	8	300	150573		160436		150597		160448	
60	16	8	300	150574		160437		150598		160449	
60	18	8	300	150575		160438		150599		160450	
60	20	10	300	150576		160439		150600		160451	
60	21	10	300	150577		160440		150601		160452	
60	22	10	300	150578		160441		150602		160453	
60	24	10	300	150579		160442		150603		160454	
60	26	12	300	150580		160443		150604		160455	

Note 1: references do not include the weight indicator. Note 2: references do not include the concrete casting. Note 3: fixing anchors included.

Capacity 60-80 t

				GALVANIZED SUPPLEMENT				GALVANIZED SUPPLEMENT			
				3.3 m (with central plate)				3.5 m (with central plate)			
Capacity (t)	Length (m)	No. load cells	Height (mm)	Code		Code		Code		Code	
60	6	4	300	151187		163234		151199		165103	
60	8	6	300	151188		163235		151200		165104	
60	10	6	300	151189		163236		151201		165105	
80	12	6	300	151190		163237		151202		165106	
80	14	8	300	151191		163238		151203		165107	
80	16	8	300	151192		163239		151204		165108	
80	18	8	300	151193		163240		151205		165109	
80	20	10	300	151194		163241		151206		165110	
80	21	10	300	151195		163242		151207		165111	
80	22	10	300	151196		163243		151208		165112	
80	24	10	300	151197		163244		151209		165113	
80	26	12	300	151198		163245		151210		165114	

Note 1: references do not include the weight indicator. Note 2: references do not include the concrete casting. Note 3: fixing anchors included.

Capacity 100 t

				GALVANIZED SUPPLEMENT				GALVANIZED SUPPLEMENT			
				3.3 m (with central plate)				3.5 m (with central plate)			
Capacity (t)	Length (m)	No. load cells	Height (mm)	Code		Code		Code		Code	
100	14	8	300	151211		165123		151153		165131	
100	16	8	300	151212		165124		151154		165132	
100	18	8	300	151213		165125		150869		165133	
100	20	10	300	151214		165126		151155		165134	
100	21	10	300	151215		165127		150868		165135	
100	22	10	300	151216		165128		151156		165136	
100	24	10	300	151217		165129		151157		165137	
100	26	12	300	151218		165130		151158		165138	

Note 1: references do not include the weight indicator. Note 2: references do not include the concrete casting. Note 3: fixing anchors included.

BPPSE EVO XC

3 M TRUCK SCALES WITH CENTRAL PLATE

Variant with central plate for 3-meter wide truck scales. Factory cast concrete.

Unlike standard models, which do not allow this cover to be incorporated, the XC version redesigns the side modules to accommodate a central plate of 300 or 500 mm. This facilitates continuous vehicle passage, protects the load cells from dirt, and improves access for maintenance, without increasing the total width of the truck scale.

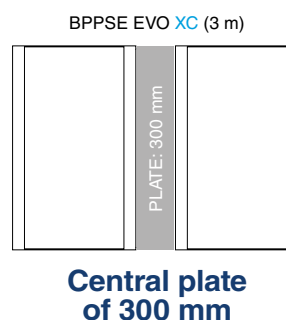
BPPSE EVO XC

Capacity 30-60 t

GALVANIZED SUPPLEMENT

				3 m (300 mm aisle)	
Capacity (t)	Length (m)	No. load cells	Height (mm)	Code	Code
30	6	4	300	151070	163172
30	8	6	300	151071	163173
30	10	6	300	151072	163174
60	12	6	300	151073	163175
60	14	8	300	151074	163176
60	16	8	300	151075	163177
60	18	8	300	151076	163178
60	20	10	300	151077	163179
60	21	10	300	151078	163180
60	22	10	300	151079	163181
60	24	10	300	151080	163182
60	26	12	300	151081	163183

Note 1: references do not include the weight indicator. Note 2: fixing anchors included.

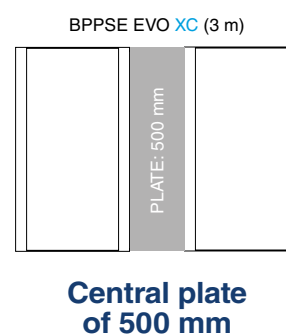


Capacity 30-60 t

GALVANIZED SUPPLEMENT

				3 m (500 mm aisle)	
Capacity (t)	Length (m)	No. load cells	Height (mm)	Code	Code
30	6	4	300	151018	163186
30	8	6	300	151019	163187
30	10	6	300	151020	163188
60	12	6	300	151021	163189
60	14	8	300	151022	163190
60	16	8	300	151023	163191
60	18	8	300	151014	163192
60	20	10	300	151025	163193
60	21	10	300	151026	163194
60	22	10	300	151027	163195
60	24	10	300	151028	163196
60	26	12	300	151029	163197

Note 1: references do not include the weight indicator. Note 2: fixing anchors included.

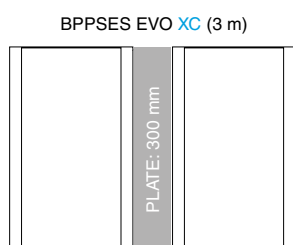


BPPSES EVO XC

BPPSES EVO XC

CAST-IN-PLACE CONCRETE

Version for in-situ casting, supplied with the metal structure ready for pouring the concrete at the installation site.



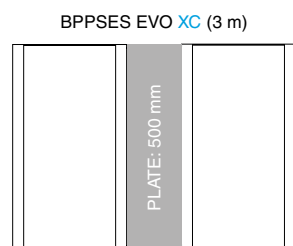
**Central plate
of 300 mm**

Capacity 30-60 t

GALVANIZED SUPPLEMENT

					3 m (300 mm walkway)	
Capacity (t)	Length (m)	No. load cells	Height (mm)	Code	Code	
30	6	4	300	151082		163172
30	8	6	300	151083		163173
30	10	6	300	151084		163174
60	12	6	300	151085		163175
60	14	8	300	151086		163176
60	16	8	300	151087		163177
60	18	8	300	151088		163178
60	20	10	300	151089		163179
60	21	10	300	151090		163180
60	22	10	300	151091		163181
60	24	10	300	151092		163182
60	26	12	300	151093		163183

Note 1: references do not include the weight indicator. Note 2: references do not include the concrete casting. Note 3: fixing anchors included.



**Central plate
of 500 mm**

Capacity 30-60 t

GALVANIZED SUPPLEMENT

					3 m (500 mm walkway)	
Capacity (t)	Length (m)	No. load cells	Height (mm)	Code	Code	
30	6	4	300	151030		163206
30	8	6	300	151031		163207
30	10	6	300	151032		163208
60	12	6	300	151033		163209
60	14	8	300	151034		163210
60	16	8	300	151035		163211
60	18	8	300	151036		163212
60	20	10	300	151037		163213
60	21	10	300	151038		163214
60	22	10	300	151039		163215
60	24	10	300	151040		163216
60	26	12	300	151041		163217

Note 1: references do not include the weight indicator. Note 2: references do not include the concrete casting. Note 3: fixing anchors included.

SPECIFICATIONS

FEATURES

Height of the rolling surface	For truck scales of 30, 60 and 80 t: 300 mm version with on-site anchor plates or a cubicle For truck scales of 100 t: 350 mm
Rolling surface and thickness	For truck scales of 30, 60 and 80 t: checker plate 6/8 mm and smooth plate 8 mm in register For truck scales of 100 t: checker plate 8/10 mm and smooth plate 10 mm in register
Access ramps	Truck scales in above-ground installation. 10% slope
Finish	Two-component polyurethane paint RAL 5004 Register covers RAL1004
Screws	8.8 grade zinc-plated bolts

LOAD CELLS

Load cells	Analog, model G8R. 4000 d OIML R60 class C IP69K protection
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STRUCTURE

Capacities 30-60-80 t

- » Modules with IPE-240, IPE-180 and IPE-160 profiles.
- » Headers with handrails:
 - » For truck scales with capacity of 30-60 t: 12 mm thickness.
 - » For truck scales with capacity of 60-80 t: 15 mm thickness.

Capacities 100 t

- » Modules with IPE-270, IPE-240, IPE-220 and IPE-200 profiles.
- » Headers with 20 mm thick handrails.

ELECTRONICS

- » ABS junction box with 4 or 6 load cells, depending on the dimensions of the weighbridge, with potentiometers. IP65 protection.
- » 15 m cable length from the weighbridge to the indicator.
- » It is advisable to install a ground connection according to instruction M.I.BT-039 (not included in our supply).

OPTIONALS

LOAD CELLS

- » G8RD/G8RD Dual digital load cells.
- » C16 load cells.
- » GIP/GIPD load cells.

ACCESSORIES FOR CIVIL WORKS

- » Entry and exit angles (above ground weighbridges).
- » Perimeter angle for pit finishing (recessed weighbridges).
- » Cubicles.
- » Headers to support the access ramps.
- » Metallic ramps of 1000, 1500, 1650 or 1750 mm width.

FINISHES

- » Special paint: surface, beams and crossbars sandblasted, with special paint according to customer specifications.
- » Galvanized: the corrosion-resistant galvanized finish reduces maintenance and extends service life.

BPPCE EVO

WIDTH
3 - 3,30 - 3,50 m

CAPACITY
30 - 100 t

METALLIC

UNIDIRECTIONAL OR
OMNIDIRECTIONAL (2 directions)

Usage rate: HIGH

INSTALLATION:
RECESSED OR ABOVE GROUND

See the section on
accessories for more options

**Usage requirement,
agility in transport.
Continuous research
and evolution have
resulted in this
modular design, which
facilitates transport and
installation.**



BPPCE EVO

EVO METALLIC

It offers a robust and fully metallic structure, ideal for heavy-duty industrial environments. Thanks to its modular design, it allows for quick assembly and easy maintenance over time.

Capacity 30-60 t

GALVANIZED SUPPL.

Surface: smooth sheet 10 mm

3 m (without central plate)

Capacity (t)	Length (m)	No. load cells	Height (mm)	Code	Code	Code
30	6	4	300	150428	160163	-
30	8	6	300	150429	160164	-
30	10	6	300	150430	160165	-
60	12	6	300	150431	160166	-
60	14	8	300	150410	160167	151244
60	16	8	300	150411	160168	151245
60	18	8	300	150408	160169	151246
60	20	10	300	150446	160170	-
60	21	10	300	150432	160171	-
60	22	10	300	150433	160172	-
60	24	10	300	150434	160173	-
60	26	12	300	150435	160174	-

Note 1: references do not include the weight indicator. Note 2: fixing anchors included.

Capacity 60-80 t

GALVANIZED SUPPL.

Surface: smooth sheet 10 mm

3 m (without central plate)

Capacity (t)	Length (m)	No. load cells	Height (mm)	Code	Code	Code
60	6	4	300	150436	165091	-
60	8	6	300	150437	165092	-
60	10	6	300	150438	165093	-
80	12	6	300	150439	165094	-
80	14	8	300	150412	165095	151247
80	16	8	300	150394	165096	151248
80	18	8	300	150413	165097	151249
80	20	10	300	150447	165098	-
80	21	10	300	150440	165099	-
80	22	10	300	150441	165100	-
80	24	10	300	150442	165101	-
80	26	12	300	150443	165102	-

Note 1: references do not include the weight indicator. Note 2: fixing anchors included.

Capacity 100 t

GALVANIZED SUPPLEMENT

3 m (without central plate)

Capacity (t)	Length (m)	No. load cells	Height (mm)	Code	Code
100	14	8	350	150457	160376
100	16	8	350	150458	160377
100	18	8	350	150459	160378
100	20	10	350	150460	160379
100	21	10	350	150461	160380
100	22	10	350	150462	160381
100	24	10	350	150463	160382
100	26	12	350	150464	160383

Note 1: references do not include the weight indicator. Note 2: fixing anchors included.

WITH CENTRAL PLATE

These models incorporate a central bolted plate that covers the space between platforms. This solution facilitates the uninterrupted passage of vehicles, protects the load cell system from the entry of debris and, being removable, allows quick access to the interior for inspection and maintenance tasks. It increases the durability of the assembly and improves daily operations.

BPPCE EVO

Capacity 30-60 t

				GALVANIZED SUPPLEMENT				GALVANIZED SUPPLEMENT			
				3.3 m (with central plate)				3.5 m (with central plate)			
Capacity (t)	Length (m)	No. load cells	Height (mm)	Code		Code		Code		Code	
30	6	4	300	150474		160468		150498		160480	
30	8	6	300	150475		160469		150499		160481	
30	10	6	300	150476		160470		150500		160482	
60	12	6	300	150477		160471		150501		160483	
60	14	8	300	150478		160472		150502		160484	
60	16	8	300	150479		160473		150503		160485	
60	18	8	300	150480		160474		150504		160486	
60	20	10	300	150481		160475		150505		160487	
60	21	10	300	150482		160476		150506		160488	
60	22	10	300	150483		160477		150507		160489	
60	24	10	300	150484		160478		150508		160490	
60	26	12	300	150485		160479		150509		160491	

Note 1: references do not include the weight indicator. Note 2: fixing anchors included.

Capacity 60-80 t

				GALVANIZED SUPPLEMENT				GALVANIZED SUPPLEMENT			
				3.3 m (with central plate)				3.5 m (with central plate)			
Capacity (t)	Length (m)	No. load cells	Height (mm)	Code		Code		Code		Code	
60	6	4	300	150486		160505		150510		160517	
60	8	6	300	150487		160506		150511		160518	
60	10	6	300	150488		160507		150512		160519	
80	12	6	300	150489		160508		150513		160520	
80	14	8	300	150490		160509		150514		160521	
80	16	8	300	150491		160510		150515		160522	
80	18	8	300	150492		160511		150516		160523	
80	20	10	300	150493		160512		150517		160524	
80	21	10	300	150494		160513		150518		160525	
80	22	10	300	150495		160514		150519		160526	
80	24	10	300	150496		160515		150520		160527	
80	26	12	300	150497		160516		150521		160528	

Note 1: references do not include the weight indicator. Note 2: fixing anchors included.

Capacity 100 t

				GALVANIZED SUPPLEMENT				GALVANIZED SUPPLEMENT			
				3.3 m (with central plate)				3.5 m (with central plate)			
Capacity (t)	Length (m)	No. load cells	Height (mm)	Code		Code		Code		Code	
100	14	8	350	151171		165075		151179		165083	
100	16	8	350	151172		165076		151180		165084	
100	18	8	350	151173		165077		151181		165085	
100	20	10	350	151174		165078		151182		165086	
100	21	10	350	151175		165079		151183		165087	
100	22	10	350	151176		165080		151184		165088	
100	24	10	350	151177		165081		151185		165089	
100	26	12	350	151178		165082		151186		165090	

Note 1: references do not include the weight indicator. Note 2: fixing anchors included.

BPPCE EVO XC

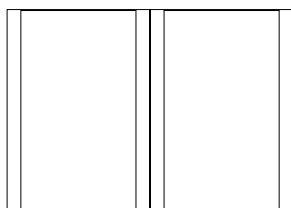
BPPCE EVO XC

3 M TRUCK SCALES WITH CENTRAL PLATE

These models incorporate a central bolted plate that covers the space between platforms. This solution facilitates the uninterrupted passage of vehicles, protects the load cell system from the entry of debris and, being removable, allows quick access to the interior for inspection and maintenance tasks. It increases the durability of the assembly and improves daily operations.

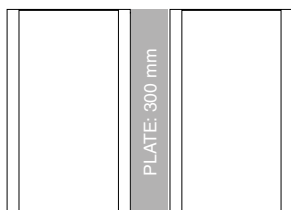
As a new feature, the EVO XC series is introduced, equipping our 3-meter weighbridge with a central plate of 300 or 500 mm, adding the advantages of wider weighbridges to our narrower model.

BPPCE EVO (3 m)

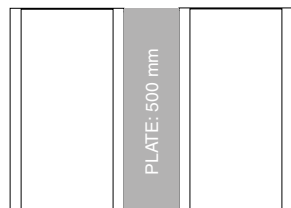


NEWS

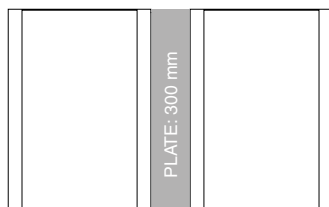
BPPCE EVO XC (3 m)



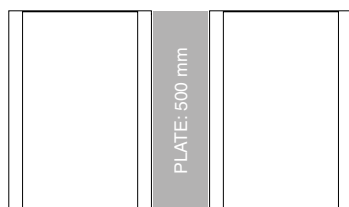
BPPCE EVO XC (3 m)



BPPCE EVO (3.3 m)



BPPCE EVO (3.5 m)



Capacity 30-60 t

GALVANIZED SUPPLEMENT

3 m (300 mm walkway)						
Capacity (t)	Length (m)	No. load cells	Height (mm)	Code	Code	
30	6	4	300	151140		165058
30	8	6	300	151141		165059
30	10	6	300	151142		165060
60	6	4	300	151143		165061
60	8	6	300	151144		165062
60	10	6	300	151145		165063
60	12	6	300	151146		165064
60	14	8	300	151129		165065
60	16	8	300	151128		165067
60	18	8	300	151127		165068
60	20	10	300	151148		165069
60	21	10	300	151149		165070
60	22	10	300	151150		165071
60	24	10	300	151151		165072
60	26	12	300	151152		165073

Note 1: references do not include the weight indicator. Note 2: fixing anchors included.

Capacity 30-60 t

GALVANIZED SUPPLEMENT

3 m (500 mm walkway)						
Capacity (t)	Length (m)	No. load cells	Height (mm)	Code	Code	
30	6	4	300	151281		163218
30	8	6	300	151282		163219
30	10	6	300	151283		163220
60	12	6	300	151284		163221
60	14	8	300	151285		168243
60	16	8	300	151286		168244
60	18	8	300	151287		168245
60	20	10	300	151288		168246
60	21	10	300	151289		168247
60	22	10	300	151290		168248
60	24	10	300	151291		168249
60	26	12	300	151292		168250

Note 1: references do not include the weight indicator. Note 2: fixing anchors included.

WITH CENTRAL PLATE

These models incorporate a central bolted plate that covers the space between platforms. This solution facilitates the uninterrupted passage of vehicles, protects the load cell system from the entry of debris and, being removable, allows quick access to the interior for inspection and maintenance tasks. It increases the durability of the assembly and improves daily operations.

SPECIFICATIONS

FEATURES

Height of the rolling surface	For weighbridges of 30, 60 and 80 t: 300 mm version with on-site anchor plates or a cubicle
Rolling surface and thickness	For weighbridges of 30, 60 and 80 t: tear plate 6/8 mm and smooth plate 8 mm in register
Access ramps	Required. 10% slope
Finish	Two-component polyurethane paint in RAL 5004 blue Entry/exit register covers in RAL 1004 yellow
Screws	8.8 grade zinc-plated bolts

LOAD CELLS

Load cells	Analog, model G8R. 4000 d OIML R60 class C IP69K protection
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STRUCTURE

Capacities 30 - 60 t

- » Modules with IPE-240, IPE-200 and IPE-180 profiles.
- » Headers with handrails:
 - » For scales with a capacity of 30 - 60 t: 12 mm thickness.

Capacity 80 t

- » Modules with IPE-240, IPE-220 and IPE-200 profiles.
- » Headers with handrails:
 - » For scales with a capacity of 60 - 80 t: 15 mm thickness.

ELECTRONICS

- » ABS junction box with 4 or 6 load cells, depending on the dimensions of the weighbridge, with potentiometers. IP65 protection.
- » 15 m cable length from the weighbridge to the indicator.
- » It is advisable to install a ground connection according to instruction M.I.BT-039 (not included in our supply).

OPTIONALS

LOAD CELLS

- » G8RD/G8RD Dual digital load cells.
- » GIP/GIPD load cells.
- » C16 load cells.

ACCESSORIES FOR CIVIL WORKS

- » Entry and exit angles.
- » Cubicles.
- » Headers to support the access ramps.
- » Metallic ramps of 1000 mm width.

FINISHES

- » Special paint: surface, beams and crossbars sandblasted, with special paint according to customer specifications.
- » Galvanized: the corrosion-resistant galvanized finish reduces maintenance and extends service life.

BPPCE EVO D

WIDTH
3 m

CAPACITY
30 - 80 t

METALLIC
UNIDIRECTIONAL
Usage rate: HIGH
INSTALLATION: ABOVE GROUND
See the section on accessories for more options.

Requirement for use and agile transport. The reinforced modular evolution, designed for above-ground applications and without civil works.



Standard finish

BPPCE EVO D

Capacity 30-60 t

GALVANIZED SUPPLEMENT

					3 m		
Capacity (t)	Length (m)	No. load cells	Height (mm)	Code		Code	
30	6	4	300	150801		160733	
30	8	6	300	150802		160734	
30	10	6	300	150803		160735	
60	6	4	300	150814		160746	
60	8	6	300	150815		160747	
60	10	6	300	150816		160748	
60	12	6	300	150804		160736	
60	14	8	300	150805		160737	
60	15	8	300	150806		160738	
60	16	8	300	150807		160739	
60	18	8	300	150808		160740	
60	20	10	300	150809		160741	
60	21	10	300	150810		160742	
60	22	10	300	150811		160743	
60	24	10	300	150812		160744	
60	26	12	300	150813		160745	

Note 1: references do not include the weight indicator. Note 2: fixing anchors included.

Capacity 80 t

GALVANIZED SUPPLEMENT

					3 m		
Capacity (t)	Length (m)	No. load cells	Height (mm)	Code		Code	
80	12	6	300	150817		160749	
80	14	8	300	150818		160750	
80	16	8	300	150820		160752	
80	18	8	300	150821		160753	
80	20	10	300	150822		160754	
80	21	10	300	150823		160755	
80	22	10	300	150824		160756	
80	24	10	300	150825		160757	
80	26	12	300	150826		160758	

Note 1: references do not include the weight indicator. Note 2: fixing anchors included.

ACCESSORIES

giropes

AND MAIN ACCESSORIES FOR THE EVO SERIES

Wired

The cables required for the installation of the weighbridge are detailed in the corresponding section.

Complement and customize

GALVANIZED SUPPL.

Description	Code	Code
Meters of cable from junction box to indicator	580025	-
Meters of cable from digital junction box to indicator	245098	-
Fixed stairs for above-ground BPPCE EVO weighbridges (1830 x 600 x 230 mm)	160550	163030
Painted fixed stairs for above-ground BPPCE EVO weighbridges (920 x 600 x 230 mm)	160628	163031
Metallic ramps: 1000 mm (4 modules of 3000 x 1000 mm) weighbridges of 30, 60, 80 t and 3 m	160084	160062
Metallic ramps: 1500 mm (4 modules of 3000 x 1500 mm) weighbridges of 30, 60, 80 t and 3 m	160085	160061
Metallic ramps: 1650 mm (4 modules of 3000 x 1650 mm) weighbridges of 30, 60, 80 t and 3.3 m	160161	160262
Metal ramps: 1750 mm (4 modules of 3000 x 1750 mm) weighbridges of 30, 60, 80 t and 3.3 m	160162	160263
Metal ramps: 1000 mm (4 modules of 3000 x 1000 mm) for weighbridges 100 t and 3 m	160086	160328
Metal ramps: 1500 mm (4 modules of 3000 x 1500 mm) for weighbridges 100 t and 3 m	160088	160329

SIMPLE CUBICLE

		NUMBER OF LOAD CELLS OF THE WEIGHBRIDGES				
		4	6	8	10	12
		Code	Code	Code	Code	Code
Simple cubicle	160649		160650	160651	160652	160653
Simple cubicle with factory-mounted load cells	160654		160655	160656	160657	160658
Galvanized supplement for simple cubicle	160054		160055	160056	168254	168255

LARGE CUBICLE

Up to 80 t capacity

		NUMBER OF LOAD CELLS OF THE WEIGHBRIDGES				
		4	6	8	10	12
		Code	Code	Code	Code	Code
Large cubicle	160016		160017	160018	168256	168257
Large cubicle with factory-mounted load cells	160112		160113	160114	168258	168259
Galvanized supplement for large cubicle	160057		160058	160059	168260	168261

Note: Check price and availability for 100 t capacities

ANCHOR PLATES

		NUMBER OF LOAD CELLS OF THE WEIGHBRIDGES			
		1	4	6	8
		Code	Code	Code	Code
Anchor plates 650 x 300 x 15 mm	160207		160703	160704	160705

BPGSH

WIDTH
3 - 3,3 m

CAPACITY
30 - 60 t

MIXED
UNIDIRECTIONAL
Usage rate: HIGH
INSTALLATION: ABOVE GROUND
See the section on accessories for more options.

**Mesh density.
Reinforced mesh for
greater wear resistance.**



SPECIFICATIONS

FEATURES

Height	Rolling surface 305 mm
Access ramps	Required. 10% slope
Finish	Two-component polyurethane paint in RAL 5004 blue
Screws	8.8 grade zinc-plated bolts
Formwork	With plastic
The mesh	It is supplied with the weighbridge
Installation	Above ground

LOAD CELLS

Model	Stainless steel IP69K 4000 d OIML R60		
Load cells	4 cells G8R of 20 t	6 load cells G8R of 25 t	8 load cells G8R of 20 t

ELECTRONICS

- » ABS junction box with 4 or 6 load cells, depending on the dimensions of the weighbridge, with potentiometers. IP65 protection.
- » 15 m cable length from the weighbridge to the indicator.
- » It is advisable to install a ground connection according to instruction M.I.BT-039 (not included in our supply).

OPTIONALS

LOAD CELLS

- » G8RD/G8RD Dual digital load cells.
- » C16 load cells.
- » GIP/GIPD load cells.

ACCESSORIES FOR CIVIL WORKS

- » Entry and exit angles (above ground weighbridges).
- » Headers to support the access ramps.
- » Metal ramps, 1000, 1500 or 1650 mm wide (for 3.3 m ref.).

FINISHES

- » Special paint: sandblasted beams and crossbars, with special paint.
- » Galvanized: the corrosion-resistant galvanized finish reduces maintenance and extends service life.

Capacity 30-60 t

Capacity 30-60 t					GALVANIZED SUPPLEMENT			GALVANIZED SUPPLEMENT		
					3 m			3,3 m		
Capacity (t)	Length (m)	No. load cells	Height (mm)	Code		Code		Code		Code
30	6	4	305	150078		160175		150282		160183
30	8	4	305	150079		160176		150283		160184
30	10	4	305	150077		160177		150091		160185
60	12	6	305	150080		160178		150471		160186
60	14	6	305	150072		160179		150081		160187
60	16	6	305	150073		160180		150275		160188
60	18	6	305	150074		160181		150089		160189
60	18	8	305	150075		160182		150088		160190
60	20	8	305	150746		-		-		-
60	21	8	305	150747		-		-		-
60	22	8	305	150748		-		-		-
60	24	8	305	150090		-		-		-
60	26	10	305	150749		-		-		-

Note 1: references do not include the weight indicator. Note 2: references do not include the concrete casting. Note 3: fixing anchors included.

SPECIFICATIONS

FEATURES

Height of the rolling surface	BPSMH 310 mm BPSMH-BV 475 mm
Access ramps	Required. 10% slope
Finish	Two-component polyurethane paint in RAL 5004 blue
Screws	8.8 grade zinc-plated bolts
Formwork	With plastic
The mesh	It is supplied with the weighbridge
Installation	Above ground

LOAD CELLS

Model	Stainless steel IP69K. 4000 d OIML R60
Load cells	Load cells for weighbridges with 8 load cells: model G8R of 25 t

ELECTRONICS

- » ABS junction box with 4 or 6 load cells, depending on the dimensions of the weighbridge, with potentiometers. IP65 protection.
- » 15 m cable length from the weighbridge to the indicator.
- » It is advisable to install a ground connection according to instruction M.I.BT-039 (not included in our supply).

OPTIONALS

LOAD CELLS

- » G8RD/G8RD Dual digital load cells.
- » C16 load cells.
- » GIP/GIPD load cells.

ACCESSORIES FOR CIVIL WORKS

- » Entry and exit angles (above ground weighbridges).
- » Headers to support the access ramps.
- » Metal ramps of 1000 mm length.

FINISHES

- » Special paint: sandblasted beams and crossbars, with special paint.
- » Galvanized: the corrosion-resistant galvanized finish reduces maintenance and extends service life.

BPSMH/ BPSMH-BV

WIDTH

3 - 3,3 - 3,5 m

CAPACITY

60 t

MIXED

UNIDIRECTIONAL

Usage rate: HIGH

INSTALLATION:
ABOVE GROUND

See the section on
accessories for more options.

**2 versions: BPSMH
and BPSMH-BV.
A structure prepared
to withstand, without
civil works.**



Capacity 60 t

GALVANIZED SUPPLEMENT

GALVANIZED SUPPLEMENT

			BPSMH				BPSMH-BV			
Capacity (t)	Length (m)	No. load cells	Height (mm)	Code		Code	Height (mm)	Code		Code
60	14	6	310	150694		160581	475	150703		160590
60	16	6	310	150695		160582	475	150704		160591
60	18	6	310	150696		160583	475	150705		160592
60	20	8	310	150750		-	-	-		-
60	21	8	310	150751		-	-	-		-
60	22	8	310	150752		-	-	-		-
60	24	8	310	150753		-	-	-		-
60	26	10	310	150754		-	-	-		-
3,3 m	60	14	310	150697		160584	475	150706		160593
	60	16	310	150698		160585	475	150707		160594
	60	18	310	150699		160586	475	150708		160595
3,5 m	60	14	310	150700		160587	475	150709		160596
	60	16	310	150701		160588	475	150710		160597
	60	18	310	150702		160589	475	150711		160598

BPBSH

WIDTH

3 m

CAPACITY

60 - 100 t

MIXED

Usage rate: HIGH

INSTALLATION:
ABOVE GROUND

See the section on
accessories for more options.

For demanding environments. Mixed weighbridge ideal for industry and quarries, extremely resistant for demanding environments.



SPECIFICATIONS

FEATURES

Height of the rolling surface For weighbridges of 60 t: 340 mm
For weighbridges of 80 t: 370 mm
For weighbridges of 100 t: 400 mm

Access ramps Required. 10% slope

Finish Two-component polyurethane paint in RAL 5004 blue

Screws 8.8 quality zinc-plated bolts (except bolts smaller than M14)

The mesh Supplied with the weighbridge

Weighbridge transport Weighbridges of 14, 16 and 17.5 m in length can be shipped in a 20' Open Top container
For the 18 m weighbridge, a 40' Open Top container is required

Installation Above ground

LOAD CELLS

Model Stainless steel IP69K. 4000 d OIML R60

Load cells Load cells for weighbridges with 8 load cells:
G8R model of 20 t
G8R model of 30 t
G8R model of 40 t

STRUCTURE

Longitudinal beams:

- » For Weighbridges of **60 t**: IPE-400
- » For Weighbridges of **80 t**: IPE-450
- » For Weighbridges of **100 t**: IPE-500
- » Formwork with plastic

ELECTRONICS

- » ABS junction box with 4 or 6 load cells, depending on the dimensions of the weighbridge, with potentiometers. IP65 protection.
- » 15 m cable length from the weighbridge to the indicator.
- » It is advisable to install a ground connection according to instruction M.I.BT-039 (not included in our supply).

OPTIONALS

LOAD CELLS

- » G8RD/G8RD Dual digital load cells.
- » C16 load cells.
- » GIP/GIPD load cells.

ACCESSORIES FOR CIVIL WORKS

- » Entry and exit angles (above ground weighbridges).
- » Cubicles (for Weighbridges with 4, 6 and 8 Load cells).
- » Headers to support the access ramps.
- » Metal ramps of 1000 mm or 1500 mm in length.

FINISHES

- » Special paint: surface, beams and crossbars sandblasted, with special paint according to customer specifications.
- » Galvanized: the corrosion-resistant galvanized finish reduces maintenance and extends service life.



BPBSH

Capacity 60 t

					3 m
Capacity (t)	Length (m)	No. load cells	Height (mm)	Code	
60	14	8	340	150006	
60	16	8	340	150009	
60	17,5	8	340	150267	
60	18	8	340	150012	

Note: the references do not include the indicator. Note 2: the references do not include the concrete bed of the Platform.

Capacity 80-100 t

					GALVANIZED SUPPLEMENT		
					3 m		
Capacity (t)	Length (m)	No. load cells	Height (mm)	Code		Code	
80	14	8	370	150005		160529	
80	16	8	370	150008		160530	
80	17,5	8	370	150337		160531	
80	18	8	370	150011		160532	
80	20	10	370	150784		-	
80	21	10	370	150785		-	
80	22	10	370	150786		-	
80	24	10	370	150787		-	
80	26	12	370	150788		-	
100	14	8	400	150004		-	
100	16	8	400	150007		-	
100	17,5	8	400	150338		-	
100	18	8	400	150010		-	
100	20	10	400	150789		-	
100	21	10	400	150790		-	
100	22	10	400	150791		-	
100	24	10	400	150792		-	
100	26	12	400	150793		-	

Note 1: references do not include the weight indicator. Note 2: references do not include the concrete casting. Note 3: fixing anchors included.

BPCTH

WIDTH
3,3 m

CAPACITY
30 - 100 t

MIXED

UNIDIRECTIONAL

Usage rate: HIGH

INSTALLATION:
ABOVE GROUND

See the section on
accessories for more options.

Above ground, robust and resistant.
The BPCTH has a high-strength reinforcement mesh to withstand continuous use with high weights.



→ BPCTH above ground

Concrete Weighbridges with a rolling surface of 3.30 m wide, designed for above ground installation and unidirectional use. The structure consists of a metal profile frame that is assembled and concreted at the final location of the Weighbridge, achieving a final width of 3.30 m. The frame incorporates all the reinforcement mesh necessary for concreting.

SPECIFICATIONS

FEATURES

Height of the rolling surface Weighbridges of 30-60 t: 340 mm
Weighbridges of 80 t: 370 mm
Weighbridges of 100 t: 400 mm

Rolling surface Completely flat, without side beams as a guide

Access ramps Required. 10% slope

Finish Two-component polyurethane paint in RAL 5004 blue

Screws 8.8 grade zinc-plated bolts
(except screws smaller than M14)

Formwork With plastic

Installation Above ground

LOAD CELLS

Model Stainless IP69K. 4000 d OIML R60

Load cells Load cells for Weighbridges with 4, 6 and 8 Load cells:
G8R model of 20 t

STRUCTURE

Composite 3 concrete modules inside an IPE frame:
For Weighbridges of **30-60 t**: IPE-270
For Weighbridges of **80 t**: IPE-300
For Weighbridges of **100 t**: IPE-330

REA bars Ø 20 mm longitudinal and transverse to prevent the opening of the beams

Reinforcement mesh Double lower layer of 150 × 150 × Ø 10 mm and an upper layer of 150 × 150 × Ø 5 mm
Note 1: the rea bars Ø 20 mm and the reinforcement mesh are included in our supply
Note 2: the reinforcement mesh of the Weighbridge is supplied with the Weighbridge

ELECTRONICS

- » ABS junction box with 4 or 6 load cells, depending on the dimensions of the weighbridge, with potentiometers. IP65 protection.
- » 15 m cable length from the weighbridge to the indicator.
- » It is advisable to install a ground connection according to instruction M.I.BT-039 (not included in our supply).

OPTIONALS

LOAD CELLS

- » G8RD/G8RD Dual digital load cells.
- » GIP/GIPD load cells.
- » C16 load cells.

ACCESSORIES FOR CIVIL WORKS

- » Entry and exit angles (above ground weighbridges).
- » Headers to support the access ramps.
- » Rolling guides to orient the vehicle.
- » Metal ramps of 1500 or 1650 mm.

FINISHES

- » Special paint: surface, beams and crossbars sandblasted, with special paint according to customer specifications.



BPCTH

Capacity 30-60 t

						GALVANIZED SUPPL.	
Capacity (t)	Length (m)	No. load cells	Height (mm)	Code		Code	
30	6	4	340	150041		160191	
30	8	6	340	150042		160192	
30	10	6	340	150025		160193	
60	12	6	340	150026		160194	
60	14	8	340	150029		160195	
60	16	8	340	150033		160197	
60	18	8	340	150038		160198	
60	20	10	340	150755		-	
60	21	10	340	150756		-	
60	22	10	340	150757		-	
60	24	10	340	150758		-	
60	26	12	340	150759		-	

Note 1: references do not include the weight indicator. Note 2: references do not include the concrete casting. Note 3: fixing anchors included.

Capacity 80-100 t

						GALVANIZED SUPPL.	
Capacity (t)	Length (m)	No. load cells	Height (mm)	Code		Code	
80	12	6	370	150760		-	
80	14	8	370	150028		160384	
80	16	8	370	150032		160385	
80	18	8	370	150037		160386	
80	20	10	370	150761		-	
80	21	10	370	150762		-	
80	22	10	370	150763		-	
80	24	10	370	150764		-	
80	26	12	370	150765		-	
100	12	6	400	150766		-	
100	14	8	400	150027		160387	
100	16	8	400	150031		160388	
100	18	8	400	150036		160389	
100	20	10	400	150767		-	
100	21	10	400	150768		-	
100	22	10	400	150769		-	
100	24	10	400	150770		-	
100	26	12	400	150771		-	

Note 1: references do not include the weight indicator. Note 2: references do not include the concrete casting. Note 3: fixing anchors included.

BPCTH EMBEDDED

WIDTH
3,3 m

CAPACITY
30 - 60 t

MIXED OR
CONCRETED (in situ)

OMNIDIRECTIONAL OR
UNIDIRECTIONAL (2 directions)

2 VERSIONS:
- REUSABLE FORMWORK
- COMPOSITE STEEL DECK
(Allows in situ concreting)

Usage rate: HIGH

INSTALLATION:
EMBEDDED

See the section on
accessories for more options.

**The option of a
recessed weighbridge
allows the customer to
remove the plate during
the installation process.**



SPECIFICATIONS

FEATURES

Height of the rolling surface 360 mm

Finish Two-component polyurethane paint in RAL 5004 blue

Screws 8.8 quality zinc-plated bolts (except bolts smaller than M14)

Formwork With plastic

Installation Embedded

LOAD CELLS

Model Stainless steel. 4000 d OIML R60. IP69K protection

STRUCTURE

Composite Longitudinal beams with IPE 270 profile. Transverse modules of 500 mm wide, with IPE 240 profiles. Removable smooth plate of 10 mm thickness

ELECTRONICS

- » ABS junction box with 4 or 6 load cells, depending on the dimensions of the weighbridge, with potentiometers. IP65 protection.
- » 15 m cable length from the weighbridge to the indicator.
- » It is advisable to install a ground connection according to instruction M.I.BT-039 (not included in our supply).

OPTIONALS

LOAD CELLS

- » G8RD/G8RD Dual digital load cells.
- » GIP/GIPD load cells.

ACCESSORIES FOR CIVIL WORKS

- » Entry and exit angles (above ground weighbridges).
- » Anchor plates.

FINISHES

- » Special paint: surface, beams and crossbars sandblasted, with special paint according to customer specifications.
- » Galvanized: the corrosion-resistant galvanized finish reduces maintenance and extends service life.

Capacity 30-60 t

			REUSABLE FORMWORK				COMPOSITE SHEET			
Capacity (t)	Length (m)	No. load cells	Height (mm)	Code		Code	Height (mm)	Code		Code
30	6	4	360	150371		160191	360	150379		160191
30	8	6	360	150372		160192	360	150380		160192
30	10	6	360	150373		160193	360	150381		160193
60	12	6	360	150374		160194	360	150382		160194
60	14	8	360	150375		160195	360	150383		160195
60	15	8	360	150376		160196	360	150384		160196
60	16	8	360	150377		160197	360	150385		160197
60	18	8	360	150378		160198	360	150386		160198

Note 1: references do not include the weight indicator. Note 2: references do not include the concrete casting. Note 3: fixing anchors included.

SPECIFICATIONS

FEATURES

Height of the rolling surface	340 mm
Rolling surface	Completely flat, without side beams as a guide
Finish	Two-component polyurethane paint in RAL 5004 blue
Screws	8.8 quality zinc-plated bolts (except bolts smaller than M14)
Access ramps	Required. 10% slope
Installation	Above ground

LOAD CELLS

Model	Stainless steel IP69K. 4000 d OIML R60
Load cells	Load cells for scales with 4, 6 and 8 cells: G8R model of 20 t

STRUCTURE

Composition	3 concrete modules. IPE 270 frame
REA bars	Ø 16 mm longitudinal and transverse to prevent the beams from opening
Reinforcement mesh	150 x 150 x Ø 10 mm Note 1: REA bars Ø 20 mm and the mesh are included in our supply Note 2: the mesh of the scale is supplied with the scale
Formwork	With plastic

ELECTRONICS

- » ABS junction box with 4 or 6 load cells, depending on the dimensions of the weighbridge, with potentiometers. IP65 protection.
- » 15 m cable length from the weighbridge to the indicator.
- » It is advisable to install a ground connection according to instruction M.I.BT-039 (not included in our supply).

**BPCTH
LW**

**WIDTH
3,3 m**

**CAPACITY
60 t**

MIXED

UNIDIRECTIONAL

Usage rate: HIGH

INSTALLATION:
ABOVE GROUND

See the section on
accessories for more options.

**For smaller vehicles.
Resource optimization
in mesh creation
for use with smaller
vehicles.**

OPTIONALS

LOAD CELLS

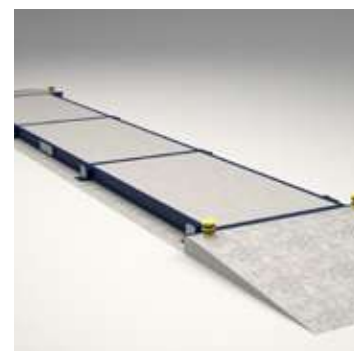
- » G8RD/G8RD Dual digital load cells.
- » C16 load cells.
- » GIP/GIPD load cells.

ACCESSORIES FOR CIVIL WORKS

- » Entry and exit angles (above ground weighbridges).
- » Headers to support the access ramps.
- » Rolling guides to orient the vehicle.
- » Metal ramps 1650 mm long.

FINISHES

- » Special paint: surface, beams and crossbars sandblasted, with special paint according to customer specifications.
- » Galvanized: the corrosion-resistant galvanized finish reduces maintenance and extends service life.



Capacity 60 t

GALVANIZED SUPPLEMENT

					3,3 m		
Capacity (t)	Length (m)	No. load cells	Height (mm)	Code		Code	
60	14	8	340	150712		160599	
60	16	8	340	150713		160600	
60	18	8	340	150714		160601	

Note 1: references do not include the weight indicator. Note 2: references do not include the concrete casting. Note 3: fixing anchors included.

BPTSE

WIDTH
3 - 3,3 m

CAPACITY
30 - 60 t

MIXED OR
HA-30 CONCRETED
(at factory)

UNIDIRECTIONAL OR
OMNIDIRECTIONAL (2 directions)

Usage rate: HIGH

INSTALLATION:
RECESSED

Designed with a CENTRAL PLATE
for access the interior

See the section on
accessories for more options.

**With central plate to
access the interior.
Mixed truck scale
with a removable
central plate, thus
facilitating pit cleaning.
Ideal for demanding
environments.**



SPECIFICATIONS

FEATURES

Height of the rolling surface 300 mm

Access ramps For above-ground weighbridges. 10% incline

Finish Two-component polyurethane paint in RAL 5004 blue

Screws 8.8 quality zinc-plated bolts (except bolts smaller than M14)

Installation Recessed

LOAD CELLS

Model Stainless steel IP69K. 4000 d OIML R60

Load cells Load cells for scales of 60 t:
G8R model of 30 t
Load cells for scales of 30 t:
G8R model of 20 t

ELECTRONICS

- » ABS junction box with 4 or 6 load cells, depending on the dimensions of the weighbridge, with potentiometers. IP65 protection.
- » 15 m cable length from the weighbridge to the indicator.
- » It is advisable to install a ground connection according to instruction M.I.BT-039 (not included in our supply)

OPTIONALS

LOAD CELLS

- » G8RD/G8RD Dual digital load cells.
- » C16 load cells.

ACCESSORIES FOR CIVIL WORKS

- » Entry and exit angles (above ground weighbridges).
- » Perimeter angle for pit finishing (recessed weighbridges).
- » Headers to support the access ramps.
- » Metal ramps, 1000, 1500 or 1650 mm long.
- » Rolling guides to orient the vehicle (above-ground version).

FINISHES

- » Special paint: sandblasted beams and crossbars, with special paint.
- » Galvanized: the corrosion-resistant galvanized finish reduces maintenance and extends service life.

Capacity 30-60 t

				GALVANIZED SUPPLEMENT				GALVANIZED SUPPLEMENT			
				3 m				3,3 m			
Capacity (t)	Length (m)	No. load cells	Height (mm)	Code		Code		Height (mm)	Code		Code
30	6	4	300	150171		160199		-	-		-
30	8	6	300	150172		160200		-	-		-
30	10	6	300	150165		160201		-	-		-
60	12	6	300	150166		160202		-	-		-
60	14	8	300	150167		160203		300	150544		160599
60	16	8	300	150168		160204		300	150307		160600
60	18	8	300	150169		160205		300	150271		160601

Note 1: references do not include the weight indicator. Note 2: fixing anchors included.

SPECIFICATIONS

FEATURES

Height of the rolling surface	For scales of 30 - 60 t: 290/310 mm For scales of 80 t: 330 mm For scales of 100 t: 360 mm
Surface	Smooth sheet
Thickness	For scales of 30 - 80 t: thickness of 10 mm For scales of 100 t: thickness of 12 mm
Access ramps	Required. 10% slope
Finish	Two-component polyurethane paint RAL 5004 Junction boxes RAL1004
Screws	8.8 quality zinc-plated bolts (except bolts smaller than M14)
Installation	Above ground

LOAD CELLS

Model	Stainless steel IP69K 4000 d OIML R60
Load cells	For scales of 30 t: G8R model of 20 t For scales of 60 t: G8R model of 20 t For scales of 80 t: G8R model of 30 t For scales of 100 t: G8R model of 40 t

ELECTRONICS

- » ABS junction box with 4 or 6 load cells, depending on the dimensions of the weighbridge, with potentiometers. IP65 protection.
- » 15 m cable length from the weighbridge to the indicator.
- » It is advisable to install a ground connection according to instruction M.I.BT-039 (not included in our supply).

OPTIONALS

LOAD CELLS

- » G8RD/G8RD Dual digital load cells.
- » GIP/GIPD load cells.
- » C16 load cells.

ACCESSORIES FOR CIVIL WORKS

- » Entry and exit angle (above-ground scales).
- » Cubicles.
- » Headers to support the access ramps.
- » Metal ramps of 1000, 1500 or 1650 mm (for 3.3 m ref.) wide.

FINISHES

- » Special paint: surface, beams and crossbars sandblasted, with special paint according to customer specifications.
- » Galvanized: the corrosion-resistant galvanized finish reduces maintenance and extends service life.

BPGSM

WIDTH
3 - 3,3 m

CAPACITY
30 - 100 t

METALLIC

UNIDIRECTIONAL

Usage rate: HIGH

INSTALLATION:
ABOVE GROUND

*See the section on
accessories for more options.*

**Easy cleaning.
Ideal for very dusty
environments.
Weighbridge with
modular structure
and smooth sheet.
Robustness and
modular structure to
facilitate its transport
and installation.**



				BPGSMX							
				SUPP. TEAR PLATE							
References 30-60 t				3 m		3,3 m		3 m		3,3 m	
Capacity (t)	Length (m)	No. load cells	Height (mm)	Code		Code		Code		Code	
30	6	4	290	150111		150329		150300		150314	
30	8	4	290	150113		150330		150301		150315	
30	10	4	290	150109		150328		150302		150317	
60	12	6	310	150093		150325		150303		150316	
60	14	6	310	150097		150326		150304		150318	
60	16	6	310	150101		150299		150305		150319	
60	18	6	310	150106		150327		150306		150320	
60	20	8	310	150741		-		-		-	
60	21	8	310	150742		-		-		-	
60	22	8	310	150743		-		-		-	
60	24	8	310	150744		-		-		-	
60	26	10	310	150745		-		-		-	

Note 1: references do not include the weight indicator. Note 2: fixing anchors included.

				GALVANIZED SUPPLEMENT							
				3 m							
Capacity (t)	Length (m)	No. load cells	Height (mm)	Code		Code		Code		Code	
80	12	6	330	150772		-		-		-	
80	14	8	330	150095		160533		160534		160535	
80	16	8	330	150100		160534		160535		160536	
80	17,5	8	330	150342		160535		160536		-	
80	18	8	330	150104		160536		-		-	
80	20	10	330	150773		-		-		-	
80	21	10	330	150774		-		-		-	
80	22	10	330	150775		-		-		-	
80	24	10	330	150776		-		-		-	
80	26	12	330	150777		-		-		-	

Note 1: references do not include the weight indicator. Note 2: fixing anchors included.

				GALVANIZED SUPPLEMENT							
				3 m							
Capacity (t)	Length (m)	No. load cells	Height (mm)	Code		Code		Code		Code	
100	12	6	360	150778		-		-		-	
100	14	8	360	150094		-		-		-	
100	16	8	360	150098		-		-		-	
100	17,5	8	360	150343		-		-		-	
100	18	8	360	150103		-		-		-	
100	20	10	360	150779		-		-		-	
100	21	10	360	150780		-		-		-	
100	22	10	360	150781		-		-		-	
100	24	10	360	150782		-		-		-	
100	26	12	360	150783		-		-		-	

Note 1: references do not include the weight indicator. Note 2: fixing anchors included.

SPECIFICATIONS

FEATURES

Surface	In tear plate of 6/8 mm thickness
Access ramps	For above-ground installation. 10% slope
Finish	Two-component polyurethane paint in RAL 5004 blue
Screws	8.8 grade zinc-plated bolts
Installation	Above-ground or embedded

LOAD CELLS

Model	Stainless steel IP69K 4000 d OIML R60
Load cells	Load cells for scales of 60 t: G8R model of 20 t Load cells for scales of 30 t: G8R model of 20 t

ELECTRONICS

- » ABS junction box with 4 or 6 load cells, depending on the dimensions of the weighbridge, with potentiometers. IP65 protection.
- » 15 m cable length from the weighbridge to the indicator.
- » It is advisable to install a ground connection according to instruction M.I.BT-039 (not included in our supply).

OPTIONALS

LOAD CELLS

- » G8RD/G8RD Dual digital load cells.
- » C16 load cells.
- » GIP/GIPD load cells.

ACCESSORIES FOR CIVIL WORKS

- » Entry and exit angles (above ground weighbridges).
- » Perimeter angle for pit finishing (recessed weighbridges).
- » Cubicles (for Weighbridges with 4, 6 and 8 Load cells).
- » Headers to support the access ramps.
- » Metal ramps 1000, 1500 or 1650 mm wide.

ACCESSORIES ON THE STRUCTURE

Rolling guides to orient the vehicle.

FINISHES

- » Special paint: surface, beams and crossbars sandblasted, with special paint according to customer specifications.

BPGMO

WIDTH
3 - 3,3 m

CAPACITY
30 - 60 t

METALLIC

With CENTRAL PLATE
for access to the interior

UNIDIRECTIONAL OR
OMNIDIRECTIONAL (2 directions)

Usage rate: HIGH

INSTALLATION:
RECESSED OR ABOVE-GROUND

See the section on
accessories for more options.

Easy cleaning. Agile transport. Designed for demanding environments with a removable central modular structure that facilitates pit cleaning and installation.



Capacity 30-60 t

Capacity (t)	Length (m)	No. load cells	Height (mm)	Code	3 m	3,3 m	
						Code	
30	6	4	330	150070		-	
30	8	6	330	150071		-	
30	10	6	330	150057		-	
60	12	6	330	150063		-	
60	14	8	330	150065		150541	
60	16	8	330	150067		150542	
60	18	8	330	150069		150543	

Note 1: references do not include the weight indicator. Note 2: fixing anchors included.

BPGEM

WIDTH

3 m

CAPACITY

30 - 60 t

METALLIC

UNIDIRECTIONAL OR
OMNIDIRECTIONAL (2 directions)
With optional reinforcement of
2 central UPNs

Usage regime
standard: MEDIUM
With optional reinforcement of 2
central UPNs: HIGH

INSTALLATION:
RECESSED

See the section on
accessories for more options.

**Robustness and
versatility. The option to
attach two profiles as
reinforcement allows
bidirectional operation.**



SPECIFICATIONS

FEATURES

Pit depth 420 x 510 x 550 mm

Surface Smooth plate of 10 mm thickness

Finish Two-component polyurethane paint in RAL 5004 blue

Screws 8.8 quality zinc-plated bolts (except bolts smaller than M14)

Installation Recessed

LOAD CELLS

Load cells Analog, model G8R
4000 d OIML R60 class C. IP69K protection

ELECTRONICS

- » ABS junction box with 4 or 6 load cells, depending on the dimensions of the weighbridge, with potentiometers. IP65 protection.
- » 15 m cable length from the weighbridge to the indicator.
- » It is advisable to install a ground connection according to instruction M.I.BT-039 (not included in our supply).

OPTIONALS

LOAD CELLS

- » G8RD/G8RD Dual digital load cells.
- » C16 load cells.
- » GIP/GIPD load cells.

ACCESSORIES FOR CIVIL WORKS

- » Perimeter angle for pit finishing (recessed weighbridges).
- » Cubicles.

FINISHES

- » Special paint: surface, beams and crossbars sandblasted, with special paint according to customer specifications.

REINFORCEMENT OF 2 LONGITUDINAL UPN PROFILES

In the central part so that the weighbridge is bidirectional.

Description	Code
Reinforcement of 2 central U of 6 x 3 m	160096
Reinforcement of 2 central U of 8 x 3 m	160097
Reinforcement of 2 central U of 10 x 3 m	160091
Reinforcement of 2 central U of 12 x 3 m	160092
Reinforcement of 2 central U of 14 x 3 m	160093
Reinforcement of 2 central U of 16 x 3 m	160094
Reinforcement of 2 central U of 18 x 3 m	160095

Capacity 30-60 t

					3 m
Capacity (t)	Length (m)	No. load cells	Height (mm)	Code	
30	6	4	420	150051	
30	8	4	420	150052	
30	10	4	420	150050	
60	12	6	510	150053	
60	14	6	510	150054	
60	16	6	510	150055	
60	18	6	550	150056	

Note 1: references do not include the weight indicator. Note 2: fixing anchors included.

SPECIFICATIONS

FEATURES

Height of the rolling surface	310 mm
Longitudinal beams	IPE-400
Surface	In smooth plate of 10 mm thickness
Access ramps	Required. 10% slope
Finish	Two-component polyurethane paint in RAL 5004 blue
Screws	8.8 quality zinc-plated bolts (except bolts smaller than M14)
Installation	Above ground

LOAD CELLS

Model	Stainless steel IP69K 4000 d OIML R60
Load cells	Load cells for weighbridges of 60 t G8R model of 20 t

ELECTRONICS

- » ABS junction box with 4 or 6 load cells, depending on the dimensions of the weighbridge, with potentiometers. IP65 protection.
- » 15 m cable length from the weighbridge to the indicator.
- » It is advisable to install a ground connection according to instruction M.I.BT-039 (not included in our supply).

OPTIONALS

LOAD CELLS

- » G8RD/G8RD Dual digital load cells.
- » C16 load cells.
- » GIP/GIPD load cells.

ACCESSORIES FOR CIVIL WORKS

- » Entry and exit angles (above ground weighbridges).
- » Anchor plates.

FINISHES

- » Special paint: surface, beams and crossbars sandblasted, with special paint according to customer specifications.

BPBSM

WIDTH
3 m

CAPACITY
60 t

METALLIC

UNIDIRECTIONAL

Usage rate: HIGH

INSTALLATION:
ABOVE GROUND

*See the section on
accessories for more options.*

Metal design with extreme resistance. Design with smooth plate, easy to clean and with the possibility of special finish to increase its resistance in harsh environments.



Capacity 60 t

					3 m
Capacity (t)	Length (m)	No. load cells	Height (mm)	Code	
60	14	8	310	150016	
60	16	8	310	150019	
60	18	8	310	150023	
60	20	10	310	150736	
60	21	10	310	150737	
60	22	10	310	150738	
60	24	10	310	150739	
60	26	12	310	150740	

Note 1: references do not include the weight indicator. Note 2: fixing anchors included.

BPBEM

WIDTH
3 m

CAPACITY
60 t

METALLIC
OMNIDIRECTIONAL (2 directions)
Usage rate: HIGH
INSTALLATION: RECESSED
See the section on accessories for more options.

**Recessed
installation perfect
for environments
where above-ground
installation is difficult.**



SPECIFICATIONS

STRUCTURE

Formed by 2 longitudinal IPE400 beams. The beams are transversely joined by IPE200 beams every 500 mm, with the upper flanges of both at the same level. The IPE400 beams are also joined underneath with transverse tie rods to ensure the bridge does not open. The weighbridge includes lateral and longitudinal movement stops. Access to the load cells and stops is through the tread surface plates.

FEATURES

Surface	Smooth plate of 10 mm thickness
Finish	Two-component polyurethane paint in RAL 5004 blue color
Screws	8.8 grade zinc-plated bolts (except screws smaller than M14)
Installation	Recessed

LOAD CELLS

Model	Stainless steel IP69K. 4000 d OIML R60
Load cells	Load cells for 4-cell weighbridges G8R model of 20 t

ELECTRONICS

- » ABS junction box with 4 or 6 load cells, depending on the dimensions of the weighbridge, with potentiometers. IP65 protection.
- » 15 m cable length from the weighbridge to the indicator.
- » It is advisable to install a ground connection according to instruction M.I.BT-039 (not included in our supply).

OPTIONALS

LOAD CELLS

- » G8RD/G8RD Dual digital load cells.
- » C16 load cells.
- » GIP/GIPD load cells.

ACCESSORIES FOR CIVIL WORKS

- » Perimeter angle for pit finishing (recessed weighbridges).
- » Cubicles.

FINISHES

- » Special paint: surface, beams and crossbars sandblasted, with special paint according to customer specifications.
- » Galvanized: the corrosion-resistant galvanized finish reduces maintenance and extends service life.

Capacity 60 t

					GALVANIZED SUPPLEMENT	
					3 m	
Capacity (t)	Length (m)	No. load cells	Height (mm)	Code		Code
60	14	8	645	150001		-
60	16	8	645	150002		-
60	18	8	645	150003		-

Note 1: references do not include the weight indicator. Note 2: fixing anchors included.

OTHER WEIGHBRIDGES BY APPLICATION

Versatility and precision for specialized weighing applications

B8C

VAN SCALE

WIDTH
2,3 - 2,5 m

CAPACITY
6 - 15 t

METALLIC

UNIDIRECTIONAL OR
OMNIDIRECTIONAL (2 directions)

INSTALLATION:
RECESSED OR ABOVE-GROUND

See the section on
accessories for more options.

**Above ground
or pit-mounted.
Weighbridge for
weighing vans and
other light vehicles.**



SPECIFICATIONS

FEATURES

Surface	Tear plate of 6/8 mm thickness		
Access ramps	For above-ground weighbridges. 10% incline		
Finish	Two-component polyurethane paint in RAL 5004 blue		
Screws	8.8 grade zinc-plated bolts		

LOAD CELLS

Model	Bending cells		
Load cells	6 t weighbridges Load cells of 3000 kg	Scales of 10 t Load cells of 5000 kg	Scales of 15 t Load cells of 5000 kg

ELECTRONICS

- » ABS junction box with 4 or 6 load cells, depending on the dimensions of the weighbridge, with potentiometers. IP65 protection.
- » 15 m cable length from the weighbridge to the indicator.
- » It is advisable to install a ground connection according to instruction M.I.BT-039 (not included in our supply).

OPTIONALS

ACCESSORIES FOR CIVIL WORKS

- » Entry and exit angles (above ground weighbridges).
- » Perimeter angle for pit finishing (recessed weighbridges).
- » Metal ramps, for scales of 2.3 m width.
- » Metal ramps, for scales of 2.5 m width.

FINISHES

- » Special paint: sandblasted beams and crossbars, with special paint.
- » Galvanized: the corrosion-resistant galvanized finish reduces maintenance and extends service life.

Complement and customize

GALVANIZED SUPPL.

Description	Code	Code	
Entry and exit angle for construction ramps, for scales of 2.3 m width.	160119	163111	
Entry and exit angle for construction ramps, for scales 2.5 m width.	160120	163112	
Perimeter angle for the pit finish for scales of 5 x 2.3 m width.	160121	163113	
Perimeter angle for the pit finish for scales of 5 x 2.5 m width.	160122	163114	
Perimeter angle for the pit finish for scales of 6 x 2.3 m width.	160123	163115	
Perimeter angle for the pit finish for scales of 6 x 2.5 m width.	160124	163116	
Perimeter angle for the pit finish for scales of 8 x 2.3 m width.	160125	163117	
Perimeter angle for the pit finish for scales of 8 x 2.5 m width.	160126	163118	
Metal ramps for scales 2.3 m wide (entry and exit set)	160127	163119	
Metal ramps for scales of 2.5 m width (entry and exit set)	160128	163120	

Note 1: CE verification. See the factory CE verification section.

Capacities

GALVANIZED SUPPLEMENT

GALVANIZED SUPPLEMENT

Capacity (t)	Length (m)	No. load cells	Height (mm)	Code	2,3 m		Code	2,5 m	
					Code		Code		Code
6	5	4	200	150248		163121	150250		163124
10	5	4	200	150249		163121	150251		163124
6	6	4	200	150252		163122	150254		163125
10	6	4	200	150253		163122	150255		163125
10	8	6	200	150256		163123	150258		163126
15	8	6	200	150257		163123	150259		163126

Note 1: references do not include the weight indicator. Note 2: fixing anchors included.

SPECIFICATIONS

FEATURES

Height	350 mm
Surface	Smooth plate of 10 mm thickness The entire surface of the scale is weighing surface
Installation	Installation on a metal cubicle for quick installation. The bridge and the cubicle are supplied as a single set that does not require special transport (6 x 2.5 m). Install, fix, and weigh
Finish	Two-component polyurethane paint in RAL 5004 blue
Screws	8.8 quality zinc-plated bolts (except bolts smaller than M14)

LOAD CELLS

Model	Stainless steel IP69K. 4000 d OIML R60
Load cells	Load cells for 4-cell weighbridges G8R model of 20 t

ELECTRONICS

- » ABS junction box with 4 or 6 load cells, depending on the dimensions of the weighbridge, with potentiometers. IP65 protection.
- » 15 m cable length from the weighbridge to the indicator.
- » It is advisable to install a ground connection according to instruction M.I.BT-039 (not included in our supply).

OPTIONALS

LOAD CELLS

- » G8RD/G8RD Dual digital load cells.
- » GIP/GIPD load cells.
- » C16 load cells.

FINISHES

- » Special paint: surface, beams and crossbars sandblasted, with special paint according to customer specifications.

Complement and customize

Description	Code
Meters of cable from junction box to indicator	580025
Meters of cable from digital junction box to indicator	245098

Capacity

Capacity (t)	Length (m)	No. load cells	Height (mm)	Code
30	6	4	350	150281

Note: references do not include the indicator. Note 2: capacity of each model in case CE verification is required.



BPGEM

CONTAINER SCALES

WIDTH
2,7 m

CAPACITY
30 t

METALLIC
UNIDIRECTIONAL
INSTALLATION: ABOVE GROUND
Designed to weigh containers
See the section on accessories for more options.

**Robust structure.
High resistance.
Weighing surface
over the entire
surface of the scale.
Rolling and support
area reinforced with
beams to prevent
deformation.**



→ BPGEM

The container rests on the entire surface of the scale, ensuring correct weight distribution. A central metal guide facilitates its positioning. The rolling and support area is reinforced with beams to prevent deformations in the plate. Stops are incorporated at the ends to prevent the container from moving out during placement. The load cells are housed inside, remaining protected from dirt.

CWS 40-20

CONTAINER SCALES

WIDTH
2,7 m

CAPACITY
32 - 35 t

**Transportable
Container scales with
two installation options
that allow transport by
forklift.**

**Ideal for adapting the
weighing system to the
agreement.**



→ CWS20

Lightweight weighing platform, with 4 load cells that allows weighing a 20' container placed on the platform, supported at its 4 corners.

→ CWS40

To weigh 40' containers, a removable platform is used next to another, obtaining a weighing set of 6 load cells.

The CWS20 and CWS40 models can also be used in a portable way, using a forklift or slings to transport them to a new weighing location.

SPECIFICATIONS

FEATURES

Finish	Two-component polyurethane paint in RAL 5004 blue
Screws	8.8 quality zinc-plated bolts (except bolts smaller than M14)

LOAD CELLS

Model Stainless steel IP68. 4000 d OIML R60

Load cells G3S of 10 t. Shear beam load cells
G3i of 10 t. Shear beam load cells, entirely in stainless steel

ELECTRONICS

- » ABS junction box with 4 or 6 load cells, depending on the dimensions of the weighbridge, with potentiometers. IP65 protection.
- » 15 m cable length from the weighbridge to the indicator.
- » It is advisable to install a ground connection according to instruction M.I.BT-039 (not included in our supply).

OPTIONALS

FINISHES

- » Galvanized: the galvanized finish resists corrosion, ensuring maintenance and longevity.

Complement and customize

Description	Code
Meters of cable from junction box to indicator	580025
Meters of cable from digital junction box to indicator	245098

Capacities

Capacity (t)	Length (m)	No. load cells	Height (mm)	Code
32	6	4	377	150333
35	12	6	377	150334

Note 1: references do not include the indicator. Note 2: capacity of each model in case CE verification is required. Note 3: fixing anchors included.



SPECIFICATIONS

FEATURES

Height of the rolling surface	PAD of 50 t	PAD of 100 t	PAD of 150 t
	315 mm	395 mm	415 mm
	Versions with cubicles		
Surface	Smooth plate. Option: tear plate		
Structure	Bridge formed with HEB profiles and a perimeter frame with UPN profiles		
Thickness	For Weighbridges of 50 t: thickness of 12 mm		
	For Weighbridges from 100 t to 150 t: thickness of 15 mm		
Finish	The Weighbridges are delivered painted with two-component polyurethane paint in RAL 5004 blue		
Screws	8.8 galvanized quality (except small M14 screws)		
Installation	Above ground		

LOAD CELLS

Model	Stainless steel IP69K. 4000 d OIML R60		
Load cells	PAD of 50 t	PAD of 100 t	PAD of 150 t
	4 Load cells model G8R of 20 t	4 Load cells model G8R of 40 t	6 Load cells model G8R of 40 t

ELECTRONICS

- » GBOX8 hermetic Junction box of 8 Load cells.
- » 15 m cable length from the weighbridge to the indicator.
- » It is advisable to install a ground connection according to each country's standard.

OPTIONALS

LOAD CELLS

- » Digital Load cells G8RD 20 or 40 t. 4000 d OIML R60 class C. IP69K protection.

JUNCTION BOX

- » WBOX in ABS, IP68 hermetic of 4 Load cells.
- » GBOX8D hermetic of 8 Load cells.

CALIBRATOR

- » Calibrator press unit to adjust the Weighbridge in situ.

RAMPS

- » Metal ramps of 1000 or 1500 mm width.

GROUND CONNECTION

- » Not included in the supply of the Weighbridge.

VERIFICATION

- » Factory CE.

FINISHES

- » Galvanized: the galvanized finish resists corrosion, ensuring maintenance and longevity.
- » Special paint: C4M-C5M class paint finish.

BPXL

DUMPER SCALES

WIDTH

2 - 4 m

CAPACITY

100 - 600 t

METALLIC

OMNIDIRECTIONAL (2 directions)

Usage rate: HIGH

INSTALLATION:
ABOVE GROUND

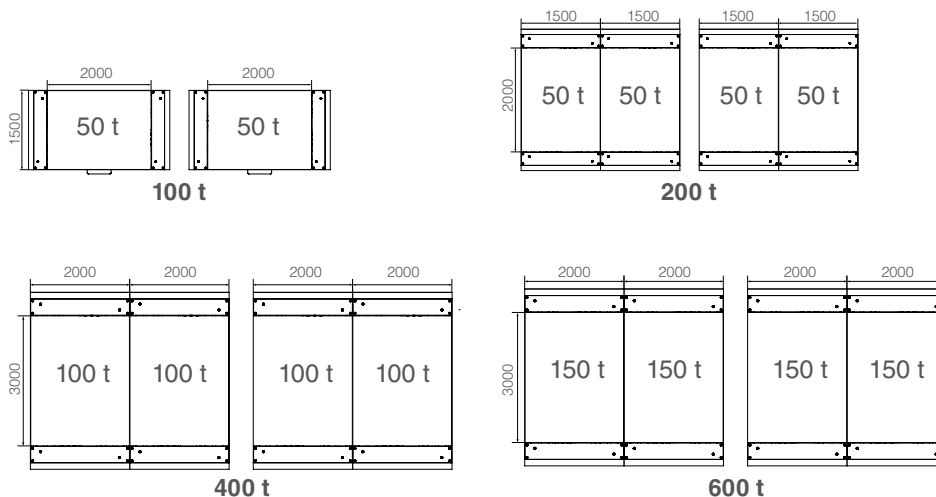
See the section on
accessories for more options.

For weighing axles of high-tonnage dumpers with modules adaptable to any configuration. Can be integrated with automatic systems for fast, operator-free weighing.



PAD COMBINATIONS

Capacity	100 t	200 t	400 t	600 t
Pad units per axle	2	4	4	4
Pad model	BPXL 50 t	BPXL 50 t	BPXL 100 t	BPXL 150 t
Pad Dimensions	1500 x 2000	2000 x 3000	3000 x 4000	3000 x 4000
Pad units per wheel	1	2	2	2



Dimensions (mm)

Note: the pad combinations shown are formulated as the most standard example for other configurations.

Complement and customize

Description	Code
Meters of cable from junction box to indicator	580025
Meters of cable from digital junction box to indicator	245098

Capacities

Capacity (t)	Length (m)	Width (m)	No. load cells	Height (mm)	Weight (kg)	Code
50	2	1,5	4	315	1724	150977
100	3	2	4	395	3780	150978
150	3	2	6	415	4217	150979

Note 1: references do not include the Weight indicator. Note 2: capacity of each model in case CE Verification is required.

Note 3: fixing anchors included.

SPECIFICATIONS

FEATURES

Capacity	15 t	30 t	40 t
Pit depth	270 mm	310 mm	330 mm
Finish	Two-component polyurethane paint in RAL 5004 blue		
Screws	8.8 quality zinc-plated bolts (except bolts smaller than M14)		

LOAD CELLS

Model	Stainless steel IP69K. 3000 d OIML R60		
Load cells	G8R model of 20 t	G8R model of 20 t	G8R model of 30 t

ELECTRONICS

- » ABS junction box with 4 or 6 load cells, depending on the dimensions of the weighbridge, with potentiometers. IP65 protection.
- » 15 m cable length from the weighbridge to the indicator.
- » It is advisable to install a ground connection according to instruction M.I.BT-039 (not included in our supply).

Complement and customize

Description	Code
Meters of cable from junction box to indicator	580025
Meters of cable from digital junction box to indicator	245098
CE Verification at factory	-
Tear plate 8/10 mm for the Axle scales of 3 x 0.75 m	160129
Tear plate 8/10 mm for the Axle scales of 3 x 1 m	160130
8/10 mm tear plate for the axle scales of 3 x 1.5 m	160131

Capacities

GALVANIZED SUPPL.

Capacity (t)	Dimensions (m)	No. load cells	Height (mm)	Code	Code
15	3 x 0,75	4	270	150238	163127
30	3 x 0,75	4	310	150239	163131
40	3 x 0,75	4	330	150240	163132
15	3 x 1	4	270	150241	163128
30	3 x 1	4	310	150242	163136
40	3 x 1	4	330	150243	163137
15	3 x 1,5	4	270	150244	163129
30	3 x 1,5	4	310	150245	163138
40	3 x 1,5	4	330	150246	163139

Note 1: references do not include the weight indicator. Note 2: fixing anchors included.

BPPEM

AXLE WEIGHING

WIDTH

3 m

CAPACITY

15 - 40 t

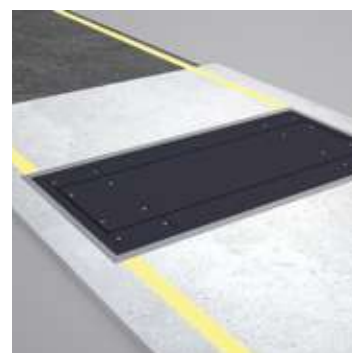
INTEGRATED PERIMETER CUBICLE

METAL AXLE SCALES
WEIGHBRIDGE SUPPLIED WITH
SMOOTH PLATE OF 10 MM
(OPTIONAL, TEAR PLATE OF 8/10
MM).

INSTALLATION:
EMBEDDED

See the section on
accessories for more options.

Axle scales. Ideal for use on roads. Notable for its ease of use, robust aluminum structure, and connectivity with external indicators for efficient data management.



DYNAMIC SOLUTIONS



DATALOGGER
DYNB615



INDICATOR
PORTABLE GI620



INDICATORS
GI620 COMPACT



- STATIC WEIGHING
- DYNAMIC WEIGHING

VERIFIED INDICATORS FOR DYNAMIC SOLUTIONS

Description	Code	
Datalogger DYNB615	310004	
GI620 portable suitcase indicator	210268	
GI620 portable suitcase indicator with USB	210268-08	
GI620 compact ABS IP54 with RS232	210355	
GI620 compact ABS IP54 with RS232 and Ethernet + USB	210355-1	
Axle scales firmware	330007	
GESDYN software (Detection and sanction in Traffic) - License	280094	

Note: axle scales firmware included with GI620 Indicator.

STATIC SOLUTIONS



GI410 LCD



GI410 LED



GESTRUCK
CONTROL AND MANAGEMENT
OF WEIGHBRIDGES



GESNET
CONTROL OF THE
RECYCLING PLANTS

VERIFIED INDICATORS FOR STATIC SOLUTIONS

Description	Code	
GI410 LED INOX IP54 numeric indicator	210119	
GI410 LCD INOX IP54 numeric indicator	210171	
GESTRUCK software	280078	
GESNET software	280072	

TRAINS SCLAES

Precision under high-tonnage conditions. Adaptable to different track widths and railway configurations.

We design train weighbridges adapted to each project, with the robustness required by the railway environment, maximum precision, and reliability.



SPECIFICATIONS

FEATURES

- » Metallic or mixed construction.
- » Embedded installation under the rails.
- » 2 models:
 - » Single weighbridge.
 - » Double weighbridge.

ACCESSORIES



METAL RAMPS FOR THE EVO SERIES

BPPSE EVO | BPPSES EVO | BPPSE EVO XC | BPPCE EVO | BPPCE EVO XC | BPPCE EVO D

Width (mm)	Description
1000	Ramps that allow access to the weighing surface at the entry and/or exit of the weighbridge so that the central part remains free and each truck wheel track runs over one of the 1000 mm sections.
1500 1650 1750	Ramps that allow access to the weighing surface at the entry and/or exit of the weighbridge, covering its entire width. (Ramps 1650 mm wide for 3.30 meter weighbridges, 1750 mm for 3.50 meter weighbridges).

1000 mm

GALVANIZED SUPPL.

Capacity (t)	Code	Code
30-60-80	160084	160062
100	160086	160328

4 modules of 3000 x 1000 mm.

1500 mm

GALVANIZED SUPPL.

Capacity (t)	Code	Code
30-60-80	160085	160061
100	160088	160329

4 modules of 3000 x 1500 mm.

1650 mm

GALVANIZED SUPPL.

Capacity (t)	Code	Code
30-60-80	160161	160262
100	160492	160494

4 modules of 3000 x 1650 mm.

1750 mm

GALVANIZED SUPPL.

Capacity (t)	Code	Code
30-60-80	160162	160263
100	160493	-

4 modules of 3000 x 1750 mm.

METAL RAMPS FOR BPGSM

Width (mm)	Description
1000	Ramps that allow access to the weighing surface at the entry and/or exit of the weighbridge so that the central part remains free and each truck wheel track runs over one of the 1000 mm sections.
1500	Ramps that allow access to the weighing surface at the entry and/or exit of the weighbridge, covering its entire width (in the case of 3 meter weighbridges).

1000 mm

GALVANIZED SUPPL.

Capacity (t)	Code	Code
30-60-80	160084	160062
100	160086	160328

4 modules 1000 mm wide.

1500 mm

GALVANIZED SUPPL.

Capacity (t)	Code	Code
30-60-80	160085	160061
100	160088	160329

4 modules 1500 mm wide.

To carry out the installation of the weighbridge, a series of cables is required. Below are several tables showing the number of cables required by type, according to the weighbridge model.

ACCESSORIES

EVO SERIES CABLES

SERIES EVO | WIDTH 3 - 3.3 - 3.5 M

Length Weighbridge (m)	Number of cables		
	5 m #245083	7 m #245084	9 m #245085
6	4	-	1
8	2	3	-
10	2	1	2
12	2	-	3
14	2	3	2
15	2	1	4
16	2	1	4
18	4	-	5
20	2	3	4
21	2	-	7
22	2	2	5
24	2	-	7
26	2	4	5

SPECIAL EVO SERIES | WIDTH 3 - 3.3 - 3.5 M

Length Weighbridge (m)	Number of cables		
	5 m #245083	9 m #245085	11 m #245086
28	4	1	8
30	2	-	9
32	2	3	8
34	2	2	9
36	2	-	11
38	2	4	9
40	2	1	12
42	2	-	13

INDUSTRIAL SERIES CABLES

BPCTH/BPCTH-LW | WIDTH 3.3 M

Length Weighbridge (m)	Number of cables		
	5 m #245083	7 m #245084	9 m #245085
6	4	-	1
8	2	3	-
10	2	1	2
12	2	-	3
14	2	3	2
15	2	1	4
16	2	1	4
18	4	-	5
20	2	3	4
21	2	-	7
22	2	2	5
24	2	-	7
26	2	4	5

BPGSH | WIDTH 3 - 3.3 M

Length Weighbridge (m)	Number of cables		
	5 m #245083	9 m #245084	11 m #245085
6	2	1	-
8	2	-	1
10	2	-	1
12	2	3	-
14	2	3	-
16	2	-	3
18 (8 load cells)	2	5	-
18 (6 load cells)	2	-	3
20	2	5	-
21	2	5	-
22	2	5	-
24	2	-	5
26	2	7	-

BPGSM | WIDTH 3 - 3.3 M

Length Weighbridge (m)	Number of cables		
	5 m #245083	9 m #245085	11 m #245086
6	2	1	-
8	2	-	1
10	2	-	1
12	2	3	-
14	2	3	-
15	2	-	3
16	2	-	3
18	2	5	-
20	2	5	-
21	2	5	-
22	2	-	5
24	2	7	-
26	2	5	-

ACCESSORIES

CABLES

Description	Code	
Meters of cable from junction box to indicator	580025	
Meters of cable from digital junction box to indicator	245098	

LOAD CELL SIMULATOR

They are used to install the bridges in the final location, allowing the load cells to be placed at another time with ease. For GIP and HBM C16A load cells in our standard bridges.

Description	Code	
Set of simulators for scales (per unit)	160208	



LEVELING SHIM

Thickness for set of rings for leveling the load cells installed in the weighbridge.

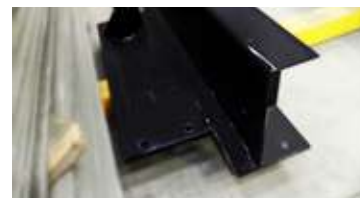
Description	Code	
Thickness for set of rings 1 mm	160605	
Thickness for set of rings 2 mm	160606	
Thickness for set of rings 3 mm	160607	
Thickness for set of rings 5 mm	160608	

Note: may have variations depending on order.



HEADERS FOR WEIGHBRIDGES

IPE profile for anchoring in the entry and exit areas of the scale. Serves as support for the access ramps to the scale. Concrete or compacted earth used to build the ramps rests on its wall.



Head + simple cubicle

Description	Code	
Entry/exit head set for EVO range (3 m)	163011	
Entry/exit head set for EVO range (3.30 m)	163012	
Entry/exit head set for EVO range (3.50 m)	163013	
Entry/exit head set for EVO range (3 m). For welding to a simple or large cubicle	163024	
Entry/exit head set for EVO range (3.30 m). For welding to a simple or large cubicle	163025	
Entry/exit head set for EVO range (3.50 m). For welding to a simple or large cubicle	163026	

Note: options and prices for other models.

ENTRY/EXIT ANGLE FOR CONSTRUCTION RAMPS OF ABOVE-GROUND SCALES

Set of two L-100x10 mm angles with anchor legs to finish the construction of the ramps at the entry and exit of the scale.

Description	Code	GALVANIZED SUPPL.	
		Code	
Entry/exit angle for construction ramps for scales 3 m wide	160008	163101	
Entry/exit angle for construction ramps for scales 3.3 m wide	163099	163102	
Entry/exit angle for construction ramps for scales 3.5 m wide	163100	163103	



PERIMETER ANGLE FOR FINISHING THE PIT OF EMBEDDED SCALES

Set of L-100x10 mm angles with anchor legs to finish the entire perimeter of the pit of embedded scales.

Description	Code	GALVANIZED SUPPL.	
		Code	
For scales of 6 x 3 m	160001	163104	
For scales of 8 x 3 m	160002	163105	
For scales of 10 x 3 m	160003	163106	
For scales of 12 x 3 m	160004	163107	
For scales of 14 x 3 m	160005	163108	
For scales of 16 x 3 m	160006	163109	
For scales of 18 x 3 m	160007	163110	



ROLLING GUIDE FOR ABOVE-GROUND SCALES

Tubular profile railings to guide the truck over the rolling track for above-ground scales installed with a completely flat surface. Possible scales: BPPCE EVO, BPPCE EVO D, BPGMO, BPPSE EVO, BPCTH AND BPCTH-LW.

Description	Code	
Rolling guides 6 m	160037	
Rolling guides 8 m	160038	
Rolling guides 10 m	160039	
Rolling guides 12 m	160040	
Rolling guides 14 m	160041	
Rolling guides 16 m	160042	
Rolling guides 18 m	160043	



ACCESSORIES

STAIRS FOR FLOOR-MOUNTED WEIGHBRIDGE FOR 300 MM HIGH WEIGHBRIDGES

FEATURES

- » Structure with two steps with 4/6 mm tear plate.
- » Painted and galvanized versions.



EVO SERIES



OTHERS

Description	Installation	Finish	Code	
For BPPCE EVO and BPPSE EVO (1830 x 600 x 230 mm)	Fixed	Painted	160550	
For BPPCE EVO and BPPSE EVO (1830 x 600 x 230 mm)	Fixed	Galvanized	163030	
For BPPCE EVO and BPPSE EVO (920 x 600 x 230 mm)	Fixed	Painted	160628	
For BPPCE EVO and BPPSE EVO (920 x 600 x 230 mm)	Fixed	Galvanized	163031	
For BPGSM, BPGSH, BPBSM and BPBSH	Fixed	Painted	160660	
For BPGSM, BPGSH, BPBSM and BPBSH	Fixed	Galvanized	168240	

COPPER BRAIDS FOR LOAD CELLS OF WEIGHBRIDGES

Safety system for the load cells of weighbridges.

Description	Code	
Kit for 4-cell platforms	160709	
Kit for platforms with 6 load cells	160710	
Kit for platforms with 8 load cells	160711	
Kit for platforms with 10 load cells	160713	
Kit for platforms with 12 load cells	160714	
Copper braid for load cells (per unit)	240110	





'T' RUBBERS

	STANDARD		EVO MODELS					
	Width 3 m		Width 3 m		Width 3.3 m		Width 3.5 m	
Description	Code		Code		Code		Code	
For 6 m weighbridges	160801		160808		160809		160810	
For 8 m weighbridges	160802		160811		160812		160813	
For 10 m weighbridges	160803		160814		160815		160816	
For 12 m weighbridges	160804		160817		160818		160819	
For 14 m weighbridges	160805		160820		160821		160822	
For 16 m weighbridges	160806		160806		160823		160824	
For 18 m weighbridges	160807		160807		160825		160826	
Entry and exit (floor-mounted)	160831		160831		160832		160833	

ANCHOR BOLTS

Anchor bolts for fixing scales, anchor plates, stairs, ramps and other accessories for weighbridges.

Description	Code	
Anchor bolt for fixing (per unit)	160712	



IMPACT SCREWDRIVER

CIRCULAR WITH PANASONIC BATTERY

PERFECT FOR ASSEMBLING BPPCE EVO AND BPPSE EVO

Easy-to-use injection reinforcement gun with two batteries (50 Ah Li-ion).
With carrying case and easy to store in a van.



Description	Code	
Panasonic circular impact screwdriver	160576	

ACCESSORIES

EVO SERIES

SIMPLE AND LARGE CUBICLES (30 - 60 - 80 - 100 T)

	WEIGHBRIDGE MODEL					
	BPPSE EVO	BPPSE EVO XC	BPPSES EVO	BPPCE EVO	BPPCE EVO D	BPPCE EVO XC
SIMPLE CUBICLE	✓	✓	✓	✓	✓	✓
SIMPLE CUBICLE WITH FACTORY-MOUNTED LOAD CELLS	✓	✓	✓	✓	✓	✓
LARGE CUBICLE	✓	✓	✓	✓	✓	✓
LARGE CUBICLE WITH LOAD CELLS MOUNTED AT FACTORY	✓	✓	✓	✓	✓	✓

ANCHOR PLATES

	WEIGHBRIDGE MODEL					
	BPPSE EVO	BPPSE EVO XC	BPPSES EVO	BPPCE EVO	BPPCE EVO D	BPPCE EVO XC
ANCHOR PLATES 650 x 300 x 15 mm	✓	✓	✓	✓	✓	✓

INDUSTRIAL SERIES

ANCHOR PLATES AVAILABLE FOR THE LARGE CUBICLE (30 - 60 - 80 T)

	WEIGHBRIDGE MODEL									
	BPGSM	BPGMO	BPGEM	BPBSM	BPBEM	BPGSH	BPSMH	BPBSH	BPCTH	BPTSE
ANCHOR PLATES 500 x 500 x 15 mm	✓		✓	✓	✓	✓	✓	✓	✓	✓
PLATES FOR EMBEDDING 500 x 500 x 15 mm	✓		✓	✓	✓	✓	✓	✓	✓	✓
ANCHOR PLATES 650 x 300 x 15 mm		✓								

SIMPLE CUBICLE

	NUMBER OF LOAD CELLS OF THE WEIGHBRIDGES									
	4		6		8		10		12	
	Code		Code		Code		Code		Code	
Simple cubicle	160649		160650		160651		160652		160653	
Simple cubicle with factory-mounted load cells	160654		160655		160656		160657		160658	
Galvanized supplement for simple cubicle	160054		160055		160056		168254		168255	

LARGE CUBICLE

Up to 80 t capacity

	NUMBER OF LOAD CELLS OF THE WEIGHBRIDGES									
	4		6		8		10		12	
	Code		Code		Code		Code		Code	
Large cubicle	160016		160017		160018		168256		168257	
Large cubicle with factory-mounted load cells	160112		160113		160114		168258		168259	
Galvanized supplement for large cubicle	160057		160058		160059		168260		168261	

Note: Check price and availability for 100 t capacities

ANCHOR PLATES

	NUMBER OF LOAD CELLS OF THE WEIGHBRIDGES							
	1		4		6		8	
	Code		Code		Code		Code	
Anchor plates 500 x 500 x 15 mm	160206		160009		160010		160011	
Plates for embedding 500 x 500 x 15 mm	160558		160706		160707		160708	
Anchor plates 650 x 300 x 15 mm	160207		160703		160704		160705	

Note: the 650 x 300 x 15 mm anchor plates are for the BPGMO, BPPCE EVO, BPPCE EVO D, and BPPSE EVO models.



Simple cubicle



Large cubicle



Anchor plate



GIROPES

giropes





WEIGHING
SYSTEMS
solutions

CERTIFICATIONS

Giropes' commitment to the quality of processes and products is complete, as we have advanced quality procedures applied throughout the entire manufacturing process and certifications at both national and international levels.

Giropes, S.L. has the ISO 9001 and ISO 17025 quality standards. Its quality system, audited by a notified body, allows it to carry out CE verifications of the products and issue ENAC certificates for the calibration of weights and balances.

PERIODIC

CE VERIFICATIONS

Suppliers of non-automatic weighing instruments in service used for certain purposes are required to request periodic verification of them every two years. Their use is prohibited if this phase of metrological control is not passed or if the appropriate verification label in force is not visibly displayed.

Verification after repair or modification

After the repair or modification (which requires breaking seals) of a non-automatic weighing instrument, the owner must request, before it is put into service, the verification after repair or modification, which will have the effect of periodic verification regarding the calculation of the deadline for its request.

CALIBRATION

Giropes has the GIRLAB laboratory on its premises, equipped and accredited to issue ENAC certificates for the calibration of weights and balances.

The laboratory has ISO 17025 accreditation, which demonstrates the competence, impartiality, and capability of a laboratory.

The GIRLAB calibration and testing laboratory of Giropes has been accredited by ENAC to issue these certificates for weights and balances with a very wide range of precisions.

Giropes is accredited to issue certificates for precision balances with 5 decimals and large-capacity weighbridges up to 150,000 kg.

VERIFICATION
FACTORY CE

CE VERIFICATION WITH LOAD CELLS AND INDICATOR

To these prices, the truck scales with analog load cells, assembly, and the desired indicator must be added.

Available analog indicators: GI400 (IP54, IP65), GI400i (IP54, IP65, IP68), GI410 (IP54, IP65), GI410i (IP54, IP65, IP68), GI650i, GI430 and GI650.

Available digital indicators: GI430D and GI650D
Note: in this case, the cost of the supplement for digital load cells (G8RD) must also be added

NORMAL CABLE

	3 - 6 t	6 - 15 t	15 - 30 t	30 - 60 t	60 - 80 t	80 - 100 t
Weighbridge length (m)	Code	Code	Code	Code	Code	Code
6	900055	900062	900069	900076	900083	900090
8	900056	900063	900070	900077	900084	900091
12	900057	900064	900071	900078	900085	900092
14	900058	900065	900072	900079	900086	900093
16	900059	900066	900073	900080	900087	900094
18	900060	900067	900074	900081	900088	900095
24	900061	900068	900075	900082	900089	900096

ARMORED CABLE

	3 - 6 t	6 - 15 t	15 - 30 t	30 - 60 t	60 - 80 t	80 - 100 t
Weighbridge length (m)	Code	Code	Code	Code	Code	Code
6	900097	900104	900111	900118	900125	900132
8	900098	900105	900112	900119	900126	900133
12	900099	900106	900113	900120	900127	900134
14	900100	900107	900114	900121	900128	900135
16	900101	900108	900115	900122	900129	900136
18	900102	900109	900116	900123	900130	900137
24	900103	900110	900117	900124	900131	900138

DETAIL OF THE SERVICE OFFERED

The detailed references consist solely of the work for performing ENAC calibration in our workshops and issuing the corresponding certificate.

Any service at the customer's premises will be quoted and offered according to the geographical area and may be provided by external agents.

Verified truck scales with analog and digital load cells can be supplied with some of our indicators.

The BPPCE EVO and BPPSE EVO truck scales (factory concrete version) can be supplied factory-verified. To choose this option, it is necessary to supply the weighbridge with a simple or large cubicle, and the load cells must be factory-mounted.

REQUIRED INFORMATION

The customer must provide a topographic plan with the levels of the support points of the load cells, which cannot exceed +/- 3 mm.

ENAC CALIBRATION AT FACTORY *IF REQUESTED TOGETHER WITH CE VERIFICATION

<i>Capacity</i>	<i>Code</i>	
6.000 kg	901076	
15.000 kg	901077	
30.000 kg	901078	
40.000 kg	901079	
60.000 kg	901080	

CALIBRATION AND RECALIBRATION - ADDITIONAL COSTS

Other costs may apply. This service will always be subject to quotation.

ENAC CALIBRATION AT FACTORY CLASS M1 WEIGHTS

<i>Capacity</i>	<i>CALIBRATION</i>		<i>RECALIBRATION</i>	
	<i>Code</i>		<i>Code</i>	
For 100 kg weight	901034		R901034	
For 200 kg weight	901035		R901035	
For 500 kg weight	901036		R901036	
For 1,000 kg weight	901037		R901037	
For 2,000 kg weight	901038		R901038	

See weights on the next page

DETAIL OF THE SERVICE OFFERED

The detailed references consist solely of the work for performing ENAC calibration in our workshops and issuing the corresponding certificate.

Any service at the customer's premises will be quoted and offered according to the geographical area and may be provided by external agents.

WEIGHTS

CAPACITY
100 - 2000 kg

PRECISION WEIGHTS
OF HIGH CAPACITY

CLASS M1

APPLICATION:
crane hook/forklift weighing



SPECIFICATIONS

FEATURES

Material Steel weights with monoblock construction to prevent weight loss and chipping in case of accidental impact.

Transport High capacity precision weights ensure safe lifting for cranes and forklift weighing.

Storage The presence of four cavities in the corners allows for easy and safe vertical storage.

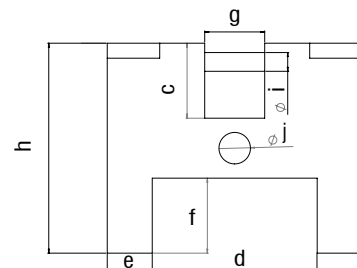
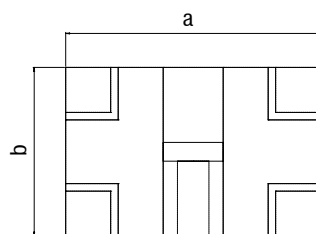
Calibration Presence of an easily handled side cavity in stainless steel for the internal calibration of the weights.



Cavity for calibrating weights

DIMENSIONS (MM)

Capacity (kg)	A	B	C	D	E	F	G	H	I	J
100	340	225	100	220	60	100	80	280	Ø 25	Ø 42
200	465	340	100	305	80	100	80	280	Ø 25	Ø 42
500	550	400	140	350	100	100	100	410	Ø 35	Ø 90
1000	750	500	140	550	100	100	120	460	Ø 35	Ø 90
2000	950	750	140	750	100	100	120	470	Ø 40	Ø 90



Storage efficiency

Weight references

Capacity (kg)	Application	Code
100	Crane hook/forklift weighing	261203
200	Crane hook/forklift weighing	261202
500	Crane hook/forklift weighing	261201
1000	Crane hook/forklift weighing	261195
2000	Crane hook/forklift weighing	261200

How can we supply the weighbridges?

→ PRICE REDUCTION FOR WEIGHBRIDGES

WEIGHBRIDGE SUPPLY

Price reduction for supplying the scale without

- » Load cells.
- » Junction box.
- » Set of rings.
- » Nameplates.
- » Lower and upper plates.

Note: price to be deducted from the amount of the requested scale.

Description	Code	
For 4-cell scales	160276	
For 6-cell scales	160277	
For 8-cell scales	160278	
For 10-cell scales	160279	
For 12-cell scales	160280	

WEIGHBRIDGE SUPPLY WITHOUT LOAD CELLS OR SETS OF RINGS (WITH LOWER AND UPPER PLATES)

Price reduction for supplying the scale without

- » Load cells.
- » Set of rings.
- » Nameplates.

Note: price to be deducted from the amount of the requested scale.

Description	Code	
For 4-cell scales	160281	
For 6-cell scales	160282	
For 8-cell scales	160283	
For 10-cell scales	160284	
For 12-cell scales	160285	

→ REDUCTION FOR SUPPLYING THE WEIGHBRIDGE WITH LOAD CELLS UNDER BEAM

WEIGHBRIDGE SUPPLY WITH G8R LOAD CELLS UNDER BEAM.

BPGSM, BPBSM, BPGSH and BPBSH with the load cells installed under the beam. Without notching the beams.

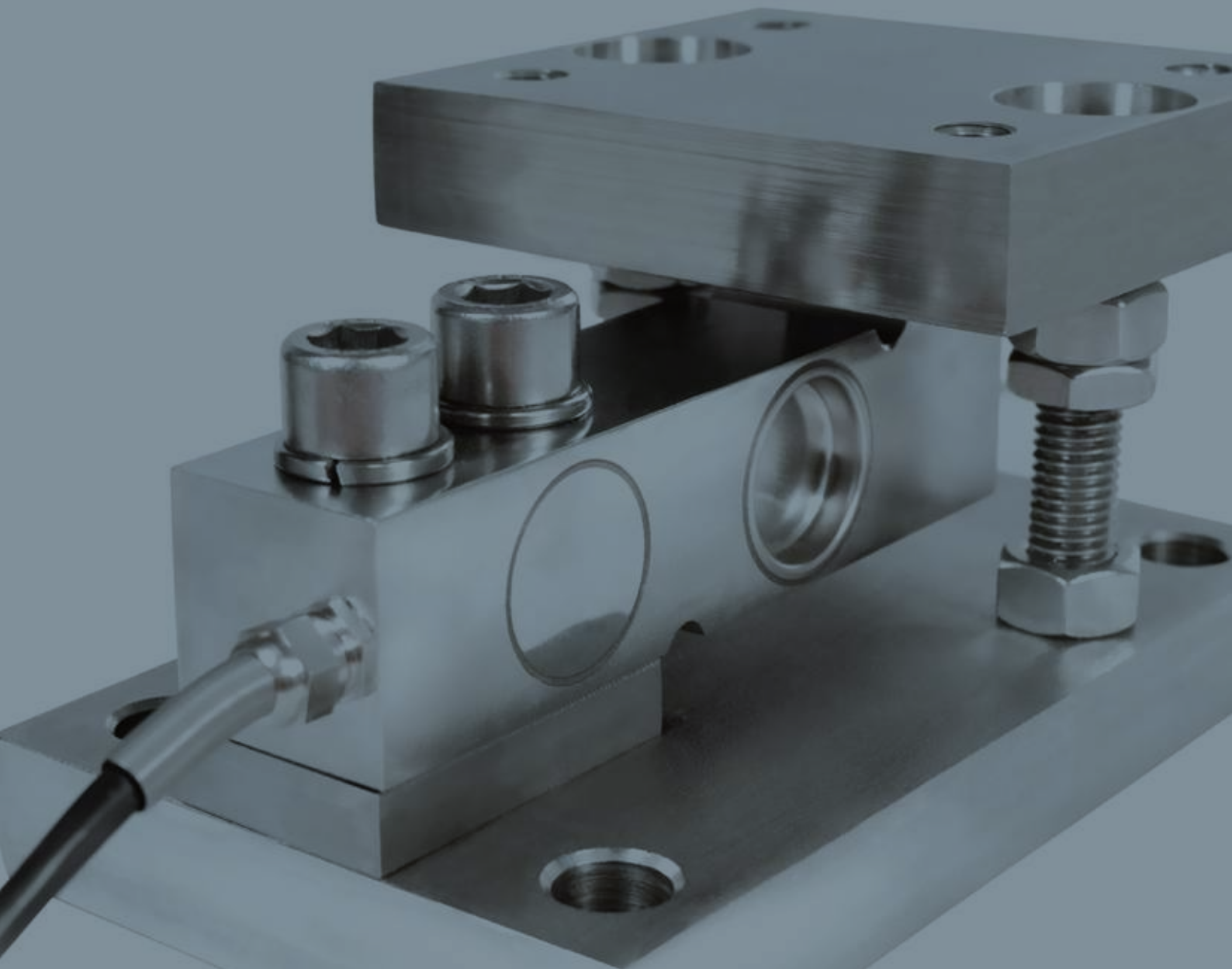
Description	Code	
Load cells installed under beam (per load cell unit)	160318	

→ INCREASE FOR SUPPLYING THE UPPER AND LOWER PLATES FOR TOLEDO PDX LOAD CELLS

SUPPLY OF WEIGHBRIDGE WITH UPPER AND LOWER PLATES FOR TOLEDO PDX LOAD CELLS.

Increase for supplying the upper and lower plates for Toledo PDX load cells.

Description	Code	
Upper plate for PDX load cells (per unit)	160287	
Lower plate for PDX load cells (per unit)	160289	



LOAD CELLS

G8R



G8R-CP

G8R

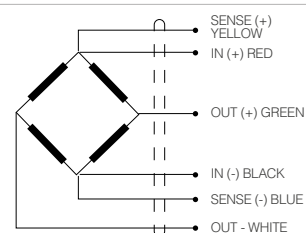


COMPRESSION

MIN.	18000 kg
MAX.	50000 kg

APPLICATIONS:

High capacity weighbridges. CP: its flat face construction provides a high degree of safety to prevent movement of the load cell, drastically reducing the possibility of breakage.



FEATURES

- » Compression load cell.
- » Construction in stainless steel.
- » 4000 divisions OIML R60 class C.
- » Hermetic sealing laser welded.
- » Protected against electric discharge by means of gas discharge tubes.
- » IP69K tightness (EN60529).

SPECIFICATIONS

FEATURES

Nominal capacity (E_{max})	18, 20, 25, 30, 35, 40, 50 t
Accuracy class	C4
Minimum operating load	0 kg
Maximum service load	120% E_{max}
Breaking limit load	150 % E_{max}
Combined error	$< \pm 0.017 \% C_n$
Repeatability error	$< \pm 0.015 \% C_n$
Creep error (30 minutes)	$< \pm 0.016 \% C_n$
Operating temperature range	From -30 °C to +70 °C
Nominal sensitivity (C_n)	2 mV/V $\pm 1 \%$
Nominal supply voltage	10 V
Maximum supply voltage	15 V
Input resistance	800 $\Omega \pm 2 \%$
Output resistance	700 $\pm 3 \Omega$
Initial imbalance	$\pm 2 \% C_n$
Insulation resistance	$> 5000 M\Omega$
Maximum deformation (at E_{max})	0,6 - 1 mm
Cable length	18 m

SHIELDED LOAD CELL CABLE G8R

Surcharge for supplying the Load cells with shielded load cell cable
Rodent-proof shielded cable 6 x 0.22 mm²

Description	Load cell type	Code
Supplement for load cell with shielded cable (per unit)	G8R	240517

OPTIONAL G8R-CP

Its construction with a flat face provides great safety to prevent movement of the load cell, drastically reducing the possibility of breakage.

Description	Load cell type	Code
Supplement Load Cell G8R-CP (per unit)	G8R-CP	240518

SHIELDED LOAD CELL CABLE G8R-CP

Surcharge for supplying the Load cells with shielded load cell cable
Rodent-proof shielded cable 6 x 0.22 mm²

Description	Load cell type	Code
Supplement Load Cell G8R-CP with shielded cable (per unit)	G8R-CP	240519

G8RD



COMPRESSION

DIGITAL

MIN. **18000 kg**
MAX. **50000 kg**

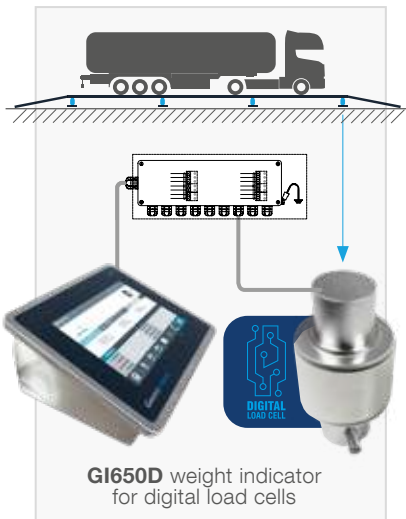


DIGITAL
SYSTEM



LOAD CELLS AND
INDICATORS

COMBINATION
OF ELEMENTS



GI650D weight indicator
for digital load cells



G8RD

G8RD-CP

FEATURES

- » Digital compression load cell.
- » 4000 divisions OIML R60 class C.
- » Construction in stainless steel.
- » Hermetically sealed, IP69K protection.
- » Lightning protection.
- » RS485 digital interface, full duplex.
- » Configuration and software update via serial interface.
- » Advantages in commissioning, corner adjustment, and individualized diagnostics.

SPECIFICATIONS

FEATURES

Nominal capacity (E_{max})	18, 20, 30, 40, 50 t
Accuracy class	C4
Minimum operating load	0 kg
Maximum service load	120% E_{max}
Breaking limit load	150 % E_{max}
Combined error	$< \pm 0.013\% C_n$
Repeatability error	$< \pm 0.015\% C_n$
Creep error (30 minutes)	$< \pm 0.016\% C_n$
Operating temperature range	From -30 °C to +70 °C
Nominal sensitivity (C_n)	200000 $\pm 0.05\%$ divisions (programmable)
Nominal supply voltage	6 - 15 V DC
Maximum supply voltage	15 V
Supply current	78 mA (max.)
RS485 serial interface	Full duplex
Max. transmission cable length	1200 m
Input resistance	800 $\Omega \pm 2\%$
Output resistance	700 $\pm 3\Omega$
Initial imbalance	$\pm 2\% C_n$
Maximum deformation (at E_{max})	0,6 - 1 mm
Cable length	18 m

WEIGHBRIDGE WITH DIGITAL LOAD CELLS MODEL G8RD

Surcharge for supplying the weighbridge with digital load cells G8RD instead of G8R load cells.

Description	Load cell type	Code
Supplement Load Cell G8RD (per unit)	G8RD	240520

SHIELDED LOAD CELL CABLE G8RD

Surcharge for supplying the Load cells with shielded load cell cable
Rodent-proof shielded cable 6 x 0.22 mm²

Description	Load cell type	Code
Supplement for load cell with shielded cable (per unit)	G8RD	240521

FUNCTIONS OF THE DIGITAL WEIGHING SYSTEM

- » **Individual diagnosis** of the status of each digital load cell.
- » **Indication of events and errors** for the group of load cells or for each of the digital load cells.
- » **Clear distinction and identification** by unique serial number of each installed load cell.
- » **Real-time control** of the internal counts of each load cell.
- » **Fast error control**, whether due to malfunction or some wiring failure.
- » **Replacement or change of a load cell** without the need for on-site Calibration.



G8RD Dual

G8RD Dual CP

G8RD DUAL



COMPRESSION

DIGITAL

MIN.	20000 kg
MAX.	50000 kg



LOAD CELLS AND INDICATORS

COMBINATION OF ELEMENTS

FEATURES

- » Digital compression load cell.
- » 4000 divisions OIML R60 class C.
- » Construction in stainless steel.
- » Hermetically sealed, IP69K protection.
- » Lightning protection.
- » RS485 digital interface, full duplex.
- » Configuration and software update via serial interface.
- » Advantages in commissioning, corner adjustment, and individualized diagnostics.

SPECIFICATIONS

FEATURES

Nominal capacity (E_{max})	20, 30, 40, 50 t
Accuracy class	C4
Minimum operating load	0 kg
Maximum service load	120% E_{max}
Breaking limit load	150 % E_{max}
Combined error	$< \pm 0.013\% C_n$
Repeatability error	$< \pm 0.015\% C_n$
Creep error (30 minutes)	$< \pm 0.016\% C_n$
Operating temperature range	From -30 °C to +70 °C
Nominal sensitivity (C_n)	200000 $\pm$ 0.05% divisions (programmable)
Nominal supply voltage	6 - 15 V DC
Maximum supply voltage	15 V
Supply current	78 mA (max.)
RS485 serial interface	Full duplex
Maximum transmission cable length	1200 m
Input resistance	800 $\Omega \pm 2\%$
Output resistance	700 $\pm 3\Omega$
Initial imbalance	$\pm 2\% C_n$
Maximum deformation (at E_{max})	0,6 - 1 mm

WEIGHBRIDGE WITH LOAD CELLS MODEL G8RD DUAL

Surcharge for supplying the weighbridge with digital load cells G8RD Dual instead of G8R load cells.

Description	Load cell type	Code
Supplement Load Cell G8RD Dual (per unit)	G8RD Dual	245099
Supplement Load Cell G8RD Dual-CP (per unit)	G8RD Dual-CP	245100

ARMORED CABLE CELL TO CELL

Description	Length (m)	Code
Supplement armored cable between load cells	5	245083
Supplement armored cable between load cells	7	245084
Supplement armored cable between load cells	9	245085
Supplement armored cable between load cells	11	245086

CONNECTION TO INDICATOR AND END OF LINE

Description	Length (m)	Code
ARMORED Cable Kit Indicator-Load Cell + Plug	15	245109
Armored cable Indicator-Load Cell for G8RD Dual	15	245091
End of line plug for G8RD Dual	-	650591
ARMORED Cable Kit Indicator-Load Cell + Plug	30	245110
Armored cable Indicator-Load Cell for G8RD Dual	30	245092
End of line plug for G8RD Dual	-	650591
ARMORED Cable Kit Indicator-Load Cell + Plug	50	245111
Armored cable Indicator-Load Cell for G8RD Dual	50	245093
End of line plug for G8RD Dual	-	650591
ARMORED Cable Kit Indicator-Load Cell + Plug	100	245112
Armored cable Indicator-Load Cell for G8RD Dual	100	245094
End of line plug for G8RD Dual	-	650591



Illustrative assembly diagram with a **GI650D** indicator and **G8RD Dual** load cells

GIP

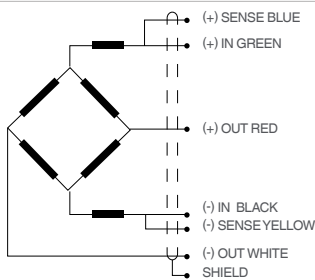


COMPRESSION

MIN. **15000 kg**
MAX. **60000 kg**

APPLICATIONS:

Weighing systems of high capacity, especially for truck scale weighbridges.



SENSES: 2 additional wires, to keep the supply constant in the load cell, with suitable instrumentation. Use especially for long cables and wide temperature range. **SHIELD:** Not connected to the transducer body.

FEATURES

- » Compression load cell with self-centering pivoting column.
- » 3000 divisions OIML R60 class C.
- » Available in ATEX version (optional).
- » Zone 0-1-2 (gas) and 20-21-22 (dust).
- » Easy to install.
- » Construction in stainless steel.
- » Hermetically welded, IP69K protection (ISO 20653).
- » Corner pre-adjustment optimized for multicell systems.
- » Lightning protection.



SPECIFICATIONS

FEATURES

Nominal capacity (E_{max})	15, 20, 25, 30, 40, 60 t
Accuracy class	C3
Minimum operating load	0 kg
Maximum service load	120 % E_{max}
Breaking limit load	150 % E_{max}
Combined error	$< \pm 0.017 \% C_n^{(1)}$
Repeatability error	$< \pm 0.015 \% C_n$
Effect of temperature on zero	$< \pm 0.01 \% C_n / 5 ^\circ K$
Effect of temperature on sensitivity	$< \pm 0.006 \% C_n / 5 ^\circ K$
Creep error (30 minutes)	$< \pm 0.016 \% C_n$
Compensated temperature range	From $-10 ^\circ C$ to $+40 ^\circ C$
Operating temperature range	From $-30 ^\circ C$ to $+70 ^\circ C$
Nominal sensitivity (C_n)	2 mV/V
Nominal supply voltage	10 V
Maximum supply voltage	15 V
Input resistance	$800 \pm 5 \Omega$
Output resistance	$700 \pm 5 \Omega$
Initial imbalance	$< \pm 2 \% C_n$
Insulation resistance	$> 5000 M\Omega$
Maximum deformation	0,6-1 mm
Cable length	18 m

Note: combined error (non-linearity and hysteresis).

WEIGHBRIDGE WITH ANALOG LOAD CELLS GIP

Increase for supplying the weighbridge with analog load cells model GIP instead of load cells G8R.

Description	Code
Suppl. GIP load cells (15-20-25-30-40-60 t) (per unit)	240522

GIP SHIELDED LOAD CELL CABLE

Increase for supplying the load cells with shielded load cell cable. Rodent-proof shielded cable $6 \times 0.22 \text{ mm}^2$.

Description	Type C.	Code
Suppl. load cell with shielded cable (15-20-25-30-40 t) (per unit)	GIP	240524

FEATURES

- » Self-centering pivot column compression load cell.
- » 4000 divisions OIML R60 class C.
- » Easy to install.
- » Construction in stainless steel.
- » Hermetically sealed, IP69K protection (ISO 20653).
- » Lightning protection.
- » RS485 digital interface, full duplex.
- » Configuration and software update via serial interface.
- » Advantages in commissioning, corner adjustment, and individualized diagnostics.



GIPD



COMPRESSION

DIGITAL

MIN. **15000 kg**
MAX. **60000 kg**

SPECIFICATIONS

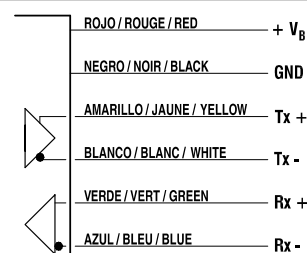
FEATURES

Nominal capacity (E_{max})	15, 30, 40, 60 t
Accuracy class	C4
Minimum operating load	0 kg
Maximum service load	120 % E_{max}
Breaking limit load	150 % E_{max}
Combined error	$< \pm 0.013\% C_n$
Repeatability error	$< \pm 0.01\% C_n$
Effect of temperature on zero in the sensitivity	$< \pm 0.01\% C_n / 5^\circ\text{K}$ $< \pm 0.006\% C_n / 5^\circ\text{K}$
Creep error (30 minutes)	$< \pm 0.012\% C_n$
Compensated temperature range	From -10 °C to +40 °C
Operating temperature range	From -30 °C to +70 °C
Nominal output	200000 $\pm 0.05\%$ divisions ⁽¹⁾
Initial imbalance	$\pm 0.1\% C_n$
Supply voltage	7.5 - 18 V DC
Supply current	80 mA (max.)
RS485 serial interface	Full duplex
Max. transmission cable length	1200 m
Maximum deformation	0,6 - 1 mm
Cable length	18 m

Note: user programmable.

APPLICATIONS:

High-capacity weighing systems, especially for weighbridges truck scales.



DIGITAL SYSTEM



WEIGHBRIDGE WITH DIGITAL LOAD CELLS GIPD

Increase for supplying the weighbridge with digital load cells model GIPD instead of load cells G8R.

Description	Code
Suppl. GIPD load cells (15-20-30-40-60 t) (per unit)	240526

GIPD SHIELDED LOAD CELL CABLE

Increase for supplying the load cells with shielded load cell cable. Rodent-proof shielded cable 6 x 0.22 mm².

Description	Type C.	Code	
Suppl. load cell with shielded cable (15-20-30-40-60 t) (per unit)	GIPD	240528	Consult

LOAD CELLS AND INDICATORS

COMBINATION OF ELEMENTS

C16

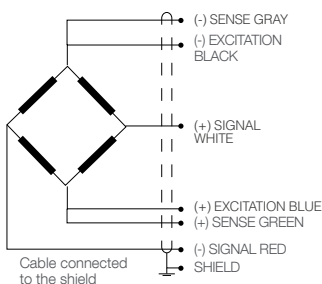
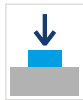


COMPRESSION

MIN. **15000 kg**

MAX. **40000 kg**

Weighing systems
high capacity



Note 1: through corner adjustment, the sensitivity and output resistance are coordinated so that the indicated value of the scale is within the permitted limits when eccentric load is applied.

Note 2: the data for non-linearity, hysteresis error, and the effect of temperature on sensitivity are typical values. The sum of these data meets the requirements of $pLC=0.7$ according to OIML R60 and NTEP respectively.

FEATURES

- » Compression type load cell.
- » 3000 divisions OIML R60 class C.
- » Manufactured in stainless steel.
- » Laser welded, IP68 protection (EN60529).
- » Optimized for parallel connection by means of corner adjustment.
- » Complies with EMC/ESD requirements according to EN 45 501.
- » Available in ATEX version (Ex) (optional).
- » Lightning protection (not possible with ATEX version).
- » Easy to install.
- » Set of rings included.



SPECIFICATIONS

FEATURES

Nominal capacity (E_{max})	15 t	20 t	30 t	40 t
Minimum verification load (E_{min}) [maximum number of Load cells]	5 kg [10]	5 10 kg [6] [10]	10 kg [10]	10 20 kg [6] [10]
Deviation at E_{max}	0,55 mm	0,65 mm	0,75 mm	0,85 mm
Accuracy class	C3			
Minimum division (v_{min})	0.01% E_{max}			
Sensitivity (C_n)	2 mV/V			
Sensitivity tolerance	$\pm 0.5\%$ ⁽¹⁾			
Effect of temperature on zero	$\pm 0.0140\%$ C_n			
Effect of temperature on sensitivity	$\pm 0.0080\%$ $C_n/10\text{ }^{\circ}\text{C}$			
Effect of temperature on zero	$\pm 0.0170\%$ C_n			
Effect of temperature on sensitivity ⁽²⁾	$\pm 0.0180\%$ C_n			
Hysteresis error ⁽²⁾	$\pm 0.0167\%$ C_n			
Non-linearity ⁽²⁾	700 $\pm 20\text{ }\Omega$			
Creep error (30 minutes)	706 $\pm 3.5\text{ }\Omega$ ⁽²⁾			
Input resistance (black-blue)	5 V			
Output resistance (red-white)	5 - 12 V			
Reference excitation voltage	> 5000 M Ω			
Nominal range of excitation voltage	From -10 $^{\circ}\text{C}$ to +40 $^{\circ}\text{C}$			
Insulation resistance	From -30 $^{\circ}\text{C}$ to +70 $^{\circ}\text{C}$			
Compensated temperature range	From -50 $^{\circ}\text{C}$ to +85 $^{\circ}\text{C}$			
Operating temperature range	150 % E_{max}			
Storage temperature range	> 350% E_{max}			
Maximum service load	70% E_{max}			
Breaking limit load	IP68 / IP69K			
Permitted dynamic load (DIN50100)	12 m			
Protection class				
Cable length				

WEIGHBRIDGE WITH C16 MODEL ANALOG LOAD CELLS

Increase for supplying the weighbridge with HBM analog load cells instead of G8R load cells.

Description	Code
Suppl. C16 Load Cell (15 t - 30 t) (per unit) for weighbridges	240530
Suppl. C16 Load Cell (40 t) (per unit) for weighbridges	240531



INDICATORS

GI650 GI650D

WEIGHT INDICATOR WITH
TOUCHSCREEN

2 FIRMWARE
AVAILABLE

APPROVED INDICATOR



COMPACT WEIGHT INDICATOR WITH TOUCH SCREEN

MULTIPLE FUNCTIONS FOR ALL TYPES OF DISTRIBUTION,
FOOD, CHEMICAL, AND LOGISTICS INDUSTRIES.

SPECIFICATIONS

FEATURES

Digital keyboard	QWERTY / AZERTY / QWERTZ	
Screen	8" touch screen	
Models	ABS housing (IP54 / IP65) Desktop version Tilt wall mount (optional)	Stainless steel housing (IP68) Desktop version Wall-mounted version
Dimensions (mm)	Desktop: 242 (w) x 226 (d) x 126 (h) Wall: 272 (w) x 164 (d) x 212 (h) max	
Packing dimensions (mm)	418 (w) x 300 (d) x 146 (h)	
Packing weight (kg)	4,4	
Languages	Spanish, English, French, Italian, and Portuguese	
Power supply	Main power supply: 100-240 V AC, 50/60 Hz (prepared to be adapted by the customer to 12V DC)	

GI650 TECHNICAL SPECIFICATIONS:

- » Sigma-delta AD converter.
- » Approval up to 10,000e in single range and 2 x 10,000 in multi-range and multi-interval.
- » Class III and IIII.
- » Minimum impedance 29 ohm.
- » Maximum impedance 1200 ohm.

GI650D TECHNICAL SPECIFICATIONS:

- » Approval up to 10,000e in single range and 2 x 10,000 in multi-range and multi-interval.
- » Class III and IIII.
- » Distance between indicator and scale up to 1,200 meters.
- » Connection of up to 32 digital load cells.

TRUCK WEIGHING FIRMWARE

FUNCTIONS

- » **Type of weighing:**
 - » First and second manual weighing.
 - » Weighing with manual tare.
 - » Single weighing with tare stored by license plate.
- » **Management of vehicles in transit:** As many trucks as weighings in memory can be managed.
- » **Configuration of print formats:** Visual and simple customization of tickets by type.
- » **Ticket configuration:** 3 preconfigured types and 6 customizable from the device.
- » **Gcode management in database:** Up to 2000 codes for customer, material, origin, and destination.
- » **Management of free codes:** 4 codes of up to 6 characters without saving in the database.
- » **Weighing management:** Up to 2,700 complete weighings storable and exportable via USB.
- » **Ticket printing:** Reprinting of saved tickets.
- » **Tare management:** Manual or stored by license plate.

SERIAL COMMUNICATIONS

Description
2x RS232 (for printer/repeater/PC)
Ethernet (for repeater/PC)
USB port - for data upload/download or connecting external keyboard (not included)

OPTIONAL

Description	Code	
Communication board – Wifi	220021-4	
Alibi Memory	220008	
RS485 output	220002	
Internal battery	-	Consult

Note 1: the optional WiFi disables Ethernet. In the stainless steel version, the device becomes IP66.

Note 2: rechargeable internal battery that operates in case of power failure.

Note 3: RS485 output only for GI650 for analog load cells.

ACCESSORIES

Description	Code	
Reclinable wall mount GI650ABS	220254	
Logitech K120 Business USB keyboard	580239	
Ethernet cable 1 m	580552	Consult
Ethernet cable 2 m	580028	Consult
RS232 cable to computer 1.5 m (9F-9F / D)	270401	
RS232 cable to printer 1.5 m	-	Consult
Interconnection cable with repeater 10m	-	Consult
LX-350 printer*	630001	
ORIENT BTP-M300 printer / IMP 27	630081	
POS76 printer / IMP 28	910035	
Weight repeater with 6 digits of 45 mm	210185	
P16 weight repeater	-	See p. 76

Note 1: the LX-350 printer is only compatible with the truck weighing firmware.

References

	GI650		GI650D	
Description	Code		Code	
Stainless steel IP68 wall-mounted indicator with reclinable support	210195	972	-	-
Stainless steel IP68 tabletop indicator	210196	944	-	-
Wall-mounted indicator with reclinable support	-	-	210314	1.161
Tabletop indicator	-	-	210315	1.035
ABS IP65 indicator	210326	993	210330	1.035
GI650 ABS IP54 indicator	210327	883	210331	970
Firmware				
Totalizer-Logistics standard firmware	330001	Included	-	-
Truck weighing firmware	330002	40	330002	40

GI650 GI650D

WEIGHT INDICATOR WITH
TOUCHSCREEN

2 FIRMWARE
AVAILABLE

APPROVED INDICATOR

PC SOFTWARE



- » Search for indicators connected via network or serial port.
 - » Download firmware updates
 - » Management of basic configurations and firmware backups
 - » Configuration of indicator parameters (general, metrological, and communications).
- *Free download on website

GI450 GI450D

FIRMWARE
TRUCK WEIGHING

APPROVED INDICATOR



COMPACT TABLETOP MODEL IN ABS. ANALOG AND DIGITAL VERSION.

HIGH-PERFORMANCE ALPHANUMERIC INDICATOR, IDEAL FOR DATA MANAGEMENT, CONNECTIVITY, AND CUSTOMIZATION IN INDUSTRIAL ENVIRONMENTS.

SPECIFICATIONS

FEATURES

Keyboard	Telephone alphanumeric keyboard / Direct function keyboard
Screen	320x240 pixel RGB TFT display
Finish	ABS IP54 and ABS IP65
Dimensions	237 x 201 x 124 (mm)
Languages	Spanish, English, French, and Italian
Power supply	Main power supply: 100-240 V AC, 50/60 Hz
Firmware	Truck weighing

TECHNICAL SPECIFICATIONS GI450:

- » Sigma-delta converter ($\Sigma\Delta$) 24-bit and low noise. Up to max. 1,200 conv/sec.
- » Max. 6,000 e Single range, Multi-range or Multi-interval (n 3,000 per partial weighing range) in approved version.
- » 100,000 displayable divisions for internal use.
- » Connection for up to max. 12 analog load cells with input resistance 350 Ω .
- » Minimum load cell impedance: 29 Ω .

TECHNICAL SPECIFICATIONS GI450D:

- » Max. 6,000 e Single range, Multi-range or Multi-interval (n 3,000 per partial weighing range) in approved version.
- » Approved according to OIML R76 and EN 45501, single range or multi-range.
- » 100,000 displayable divisions for internal use.
- » Distance between indicator and scale up to 1200m.
- » Connection for up to max. 32 digital load cells.
- » Minimum load cell impedance: 29 Ω .

TRUCK WEIGHING FIRMWARE

FUNCTIONS

- » **Tare:** Manual tare entry. Weighing with stored tare
- » **Programming:** Date and time configuration
- » **Digital pre-Calibration (only GI450D):** Plug and weigh system that allows weighing without the need to calibrate
- » **Print format configuration:** Ticket customization and reprint option
- » **Archive code management:** Up to 2,000 codes for client, material, origin, and destination, with specific name by type
- » **Weighing management:** Up to 4,500 weighings storable, with alert at 80% memory
- » **Tare management:** Manageable stored tares
- » **Management of vehicles in transit:** Administration of as many vehicles as weighings in memory
- » **Function protection:** Metrological configuration and database can be password protected
- » **Simple weighing:** Direct printing of the weight on the platform

GI450 GI450D

FIRMWARE
TRUCK WEIGHING

APPROVED INDICATOR

SERIAL COMMUNICATIONS

Description

2x RS232 (for printer/repeater/PC)

Ethernet (for repeater/PC)

USB port - for data upload/download or connecting external keyboard (not included)



IP65 model



IP54 model

OPTIONAL

Description	Code	
Communication board – Wifi	220021-5	
Alibi Memory	220008	
4E-4S RELAYS Kit GI450 IP54	220020-0	
4E-4S RELAYS Kit GI450 IP65	220020-1	
RS485 / 422 Output Kit FOR GI450 IP54*	220002-3	
RS485 / 422 Output Kit FOR GI450 IP65*	220002-4	

Note 1: Only available in analog model: GI450

ACCESSORIES

Description	Code	
Ethernet cable 0.5 m	580302	5
USB keyboard	580239	
RS232 cable to computer 1.5 m (9F-9F / D)	270401	
RS232 cable to printer 1.5 m	-	Consult
P16 repeater interconnection cable	-	Consult
LX-350 printer	630001	
ORIENT BTP-M300 printer / IMP 27	910034	
POS76 printer / IMP 28	910035	

References

	GI450	GI450D
Description	Code	Code
IP54 indicator	210383	210384
IP54 indicator 12V	210385	210386
IP65 indicator	210387	210388
IP65 indicator 12V	210389	210390
Firmware		
Truck weighing firmware	-	Included
		Included

GI430 GI430D

FIRMWARE
TRUCK WEIGHING

APPROVED INDICATOR



GI430 ALPHANUMERIC TFT INDICATOR. IN STAINLESS STEEL WITH OR WITHOUT PRINTER.

HIGH-PERFORMANCE ALPHANUMERIC INDICATOR, IDEAL FOR DATA MANAGEMENT, CONNECTIVITY, AND CUSTOMIZATION IN INDUSTRIAL ENVIRONMENTS.

SPECIFICATIONS

FEATURES

Keyboard	Telephone alphanumeric keyboard / Direct function keyboard
Screen	320 x 240 pixel RGB TFT display
Models	2 designs: desktop and wall-mounted
Finish	Stainless steel IP54
Dimensions	Desktop: 352 (w) x 119 (d) x 208 (h) max Wall: 385 (w) x 170 (d) x 226 (h) max
Packaging dimensions	418 (w) x 300 (d) x 146 (h)
Packaging weight	3 kg
Languages	Spanish, English, French, and Italian
Power supply	Main power supply: 100-240 V AC, 50/60 Hz

TECHNICAL SPECIFICATIONS:

- » Sigma-delta converter ($\Sigma-\Delta$) 24 bits and low noise. Up to max. 1,200 conv/sec.
- » Max. 6,000 e Single range, Multi-range or Multi-interval (n 3,000 per partial weighing range) in approved version.
- » 100,000 displayable divisions for internal use.
- » Connection up to max. 14 analog load cells with input resistance 350 Ω
- » Minimum impedance of the load cell: 25 Ω

TRUCK WEIGHING FIRMWARE

FUNCTIONS

- » **Tare** - Manual tare entry. Weighing with stored tare.
- » **Date/time programming.**
- » **Digital pre-Calibration.** Plug and weigh system that allows you to connect and weigh directly without the need for Calibration.
- » **Print format configuration.** Ticket reprinting.
- » **File code management.** A dossier of 2000 codes can be handled. This file is used for the management of 4 different types of codes, for example, client, material, origin, and destination. A specific name can be entered for each type.
- » **Weighing management.** A maximum of 4,500 weighings can be stored with a management warning and almost full memory (80%)
- » **Management of stored tares.**
- » **Management of vehicles in transit.** It is possible to manage as many trucks in transit as weighings in memory.

WEIGHING OPTIONS

- » First weighing and first manual weighing.
- » Second weighing and second manual weighing.
- » Weighing with tare and manual tare.
- » Single weighing.

Possibility to protect all metrological configuration and database functions by password.

SERIAL COMMUNICATIONS

Description

2x RS232 (for printer/repeater/PC)

Ethernet (for repeater/PC)

USB port - for data upload/download or connecting external keyboard (not included)

Note: in the version with printer, one of the RS232 ports will be disabled.

OPTIONAL

Description	Code	
Communication board – Wifi	220021-3	
Alibi Memory	220008	

ACCESSORIES

Description	Code	
Logitech K120 Business USB keyboard	580239	
Ethernet cable 1 m	580552	Consult
Ethernet cable 2 m	580028	Consult
RS232 cable to computer 1.5 m (9F-9F / D)	270401	
RS232 cable to printer 1.5 m	-	Consult
Interconnection cable with repeater 10m	-	Consult
LX-350 printer	630001	
ORIENT BTP-M300 printer / IMP 27	630081	
POS76 printer / IMP 28	910035	
Weight repeater with 6 digits of 45 mm	210185	
P16 weight repeater		See p. 76

References

	GI430		GI430D	
Description	Code		Code	
Desktop indicator	210217		210291	
Desktop indicator with printer	210218		210289	
Wall-mounted indicator	210221		210290	
Wall-mounted indicator with printer	210222		210288	
Firmware				
Truck weighing firmware	-	Included		Included

GI430 GI430D

FIRMWARE
TRUCK WEIGHING

APPROVED INDICATOR

FUNCTIONS

- » Individual diagnosis of the status of each digital cell.
- » Indication of events and errors for the group of cells or for each digital cell.
- » Distinction and unequivocal identification by unique serial number of each installed cell.
- » Real-time control of the internal counts of each cell.
- » Fast error control, whether due to malfunction or wiring failure.
- » Replacement or change of a cell without the need for on-site calibration.



COMPACT, PRECISE, AND VERSATILE INDICATORS

HIGH PERFORMANCE, MULTIPLE OPTIONS, AND
ADAPTABLE PROTECTION FOR ANY INDUSTRIAL
ENVIRONMENT.



MAIN FUNCTIONS

- Weight repeater via RS232 (16 m) or RS485 connection (1200 m with additional module).
- Piece counting with automatic or manual calculation of the PMU.
- Totalization of weighings with memory and counting.
- Checkweigher with up to 4 zones and configurable limits.

OPTIONAL FUNCTIONS

- Management of 3 weight limits with activation of 4 relays.
- Automatic dosing of 1 or 2 products with discharge zone.
- Formula memory to resume work without reconfiguring.

MORE FUNCTIONS AND FEATURES

- High precision for industry, food, and chemical-pharmaceutical sectors.
- Standalone indicator with connection to PC, PLC, printer, or repeater.
- Interfaces available for multiple accessories.
- IP protection in two finishes and three resistance levels.
- Robust housing, resistant to impacts and temperatures.
- Reversible support for mounting on column, wall, or table.
- Compact and durable design, developed by GIROPES.



GI400/GI400i - TARE WEIGHT

Tare weight indicator with memory for up to 5 TLUs (Tare memory) manually enterable. Up to 8 ticket formats and in multiple languages.

Description	Code	
GI400 LED ABS IP54 TARE WEIGHT indicator	210027	
GI400 LED ABS IP54 12 V TARE WEIGHT indicator	210116	
GI400 LED ABS IP65 TARE WEIGHT indicator	210028	
GI400i LED INOX IP54 TARE WEIGHT indicator	210030	
GI400i LED INOX IP54 12 V TARE WEIGHT indicator	210135	
GI400i LED INOX IP65 TARE WEIGHT indicator	210031	
GI400i LED INOX IP68 TARE WEIGHT indicator	210140	



GI410/GI410i - Numeric Tare Weight

Numeric tare weight indicator with memory for up to 400 products, 400 clients, and 10 preset tares.

Entry of product details by code, description, tare, EAN code, and product characterization according to its basic operation (weight, target weight, or unit weight for piece counting function).

Entry of client details by code, description, or pre-tare. Possibility to generate detailed lists of stored weighings and lists with filters by client, product, and date.

Description	Code	
GI410 LED ABS IP54 numeric indicator	210233	
GI410 LED ABS IP54 12V numeric indicator	210236	
GI410 LED ABS IP65 numeric indicator	210239	
GI410i LED INOX IP54 numeric indicator	210119	
GI410i LED INOX IP54 12V numeric indicator	210136	
GI410i LED INOX IP65 numeric indicator	210120	
GI410i LED INOX IP68 numeric indicator	210141	

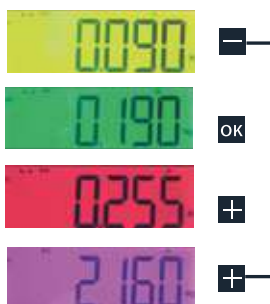
SERIES GI4XX



GI400/GI400i LCD - TARE WEIGHT

Tare weight indicator with memory for up to 5 TLUs (Tare memory) manually enterable. Up to 8 ticket formats and in multiple languages.

Set a target and two margins,
upper and lower.



With visual alarm value.

Description	Code	
GI400 LCD ABS IP54 TARE WEIGHT indicator	210216	
GI400 LCD ABS IP54 12V TARE WEIGHT indicator	210159	
GI400 LCD ABS IP65 TARE WEIGHT indicator	210154	
GI400i LCD INOX IP54 TARE WEIGHT indicator	210162	
GI400i LCD INOX IP54 12V TARE WEIGHT indicator	210168	
GI400i LCD INOX IP65 TARE WEIGHT indicator	210163	
GI400i LCD INOX IP68 TARE WEIGHT indicator	210193	



GI410/GI410i LCD - NUMERIC TARE WEIGHT

Numeric tare weight indicator with memory for up to 400 products, 400 clients, and 10 preset tares.

Entry of product details by code, description, tare, EAN code, and product characterization according to its basic operation (weight, target weight, or unit weight for piece counting function).

Entry of client details by code, description, or pre-tare. Possibility to generate detailed lists of stored weighings and lists with filters by client, product, and date.

Description	Code	
Numeric indicator GI410 LCD ABS IP54	210242	
Numeric indicator GI410 LCD ABS IP54 12V	210245	
Numeric indicator GI410 LCD ABS IP65	210248	
Numeric indicator GI410i LCD INOX IP54	210171	
Numeric indicator GI410i LCD INOX IP54 12V	210177	
Numeric indicator GI410i LCD INOX IP65	210172	
Numeric indicator GI410i LCD INOX IP68	210213	



GI400/GI400i LCD BAT LI-ION

The same tare weight functions in a device with included lithium battery.

Description	Code	
GI400 ABS LCD BAT LI-ION IP65 indicator	210227	
GI400 INOX LCD BAT LI-ION IP65 indicator	210228	



SERIES GI4XX

GI410i LCD IP69K

Compact with IP69K protection, ideal for demanding and humid environments.

Description	Code
GI410i LCD inox IP69K (100-240 VAC)	210403
GI410i LCD inox IP69K+Ethernet (100-240 VAC)	210403-01
GI410i LCD stainless steel IP69K 12 VDC	210413

GI400i-GI410i EX

The same weight and Tare functions in a device with ATEX zone 2 and zone 22 certification.

Description	Code
GI410i LCD Weight indicator IP68 ATEX	210266
GI410i LCD Weight indicator IP68 ATEX 12V	210293
GI400i LCD Weight indicator IP68 ATEX	210267
GI400i LCD Weight indicator IP68 ATEX 12V	210294
External battery ATEX zone 2/22 Pack*	220039
Additional external battery ATEX zone 2/22*	220041
Wall column support pack with column adapter	220040

Note: If you want an external battery, it must be selected at the time of ordering, as well as the support. Available for 12V indicators (the optional external battery disables the 12V mains power supply). The external battery pack includes charger and cable.



GI410i EX



GI410i PRINT

GI410i PRINT LCD

Numeric indicator with Piece counting function and weight control. Built-in thermal printer.

Description	Code
Numeric indicator GI410 PRINT in stainless steel IP54	210255

OPTIONAL

Description	Code	ABS GI400- GI410	STAINLESS GI400- GI410	GI410 IP69K	GI400 BAT LI- ION	GI410i PRINT
Internal battery (2.6Ah). Lithium-ion technology	220001-0	✓	-	-	-	-
Internal battery (3.7 V/5.2Ah). Lithium-ion technology	220001	-	✓	-	-	-
Internal battery 7.4V-3.5Ah (for 12 VDC INDICATORS)	220001-8	-	-	✓	-	-
Internal battery 3.7V-7Ah (for 100-240 VAC MODELS)	220001-7	-	-	✓	-	-
RS485 output	220002	✓	✓	-	✓	-
Output RS485/422 IP69K	220002-5	-	-	✓	-	-
Additional board 4/20mA	220003	-	✓	-	-	-
Analog output 4-20mA / 0-10V	220003-4	-	-	✓	-	-
Analog output 4/20mA + digital output 4E / 4S relays	220060	-	-	✓	-	-
Additional board 4E / 4S relays (IP54-IP65)	220004	-	✓	-	-	-
Additional board 4E / 4S relays (IP68)	220004-2	-	✓	-	-	-
Digital output 4E / 4S relays	220004-3	-	-	✓	-	-
Communication board - Ethernet	220005	-	✓	-	-	✓
Communication board - Ethernet GI410 stainless steel IP69K	220005-4	-	-	✓	-	-
Communication board - Wifi**	220021-2	✓	✓	-	-	-
Additional ALIBI/DSD memory board	220008	✓	✓	✓	✓	✓
Power cable 100V-240VACBS1363 (UK)	220243	✓	✓	-	-	-
Power cable 100V-240VAC SEV1011(CH)	220244	✓	✓	-	-	-
Power cable 100V-240VAC TYPE B (USA)	220245	✓	✓	-	-	-
Power cable 100V-240VA BS1363 (UK)	220247	✓	✓	-	-	✓
Power cable 100V-240VAC SEV1011 (CH)	220248	✓	✓	-	-	✓
Power cable 100V-240VAC TYPE B (USA)	220249	✓	✓	-	-	✓
Lithium battery charger 100V-240VAC IP65 (UK-CH-USA)	220251	-	-	-	✓	-

**In the stainless steel indicator version, only 1 of the following options is available: 220001 | 220003 | 220004 | 220005 except for IP68 protection, in which case 2 of them can be chosen. // **The Wifi option will override Ethernet.*

P16

REPEATER



**LARGE SCREEN
ALPHANUMERIC REPEATER.
IN STAINLESS STEEL AND IP
PROTECTION IP66.**



SPECIFICATIONS

FEATURES

Display	High intensity RGB LED matrix, 128x32 LEDs, 5 mm spacing (640x160 mm)
Brightness	7 brightness levels, manual and automatic mode
Colors	7 configurable colors
Text and formats	Fullscreen (95 mm), 1 weight format (70 mm), 1 weight + reference <com> or multiweight (45 mm)
Indicators	4 LEDs to indicate stability, Zero, net weight and standby
Remote control	Infrared technology. Allows configuring the equipment up to 6 m. Quick keys to modify display mode and brightness.
Software	GIMANAGER

TECHNICAL SPECIFICATIONS:

- » Connection to the electrical network of 110–240 V AC, 50/60 Hz.
- » Power consumption of 35 W.
- » Power cable with a length of 2 meters.
- » Configurable transmission speeds: from 300 to 115200 baud.
- » Bit configuration: supports 7, 8, or 9 data bits. With the option of 1 or 2 stop bits.
- » Configurable parity: none, even, or odd.
- » 21 input/output protocols + customizable TAGs protocol.

P16 REPEATER

SERIAL COMMUNICATION

- » 2x bidirectional RS232 connections (cable included)*
- » RS485 connection (cable included)*
- » Remote control included
- » Optional: Ethernet or Wifi connection

Note 1: Cable length: 15 m. Only one cable option to choose from: RS232 or RS485.



CONFIGURATION AND DISPLAY

FUNCTIONS

- » Search for repeaters connected via network or serial port
- » Download firmware updates
- » Management of basic configurations and firmware backups
- » Configuration of P16 repeater parameters (general and communications)

REAL-TIME DISPLAY OF THE WEIGHT ON THE SCALE

FOLDER SYSTEM

- » For exported configurations and firmware backups

DEVICE CONFIGURATION

- » Communication configuration
- » Regional parameters
- » Panel parameters

ACCESSORIES

Description	Code	
Bracket for hanging on pole	220269	
Visor	220270	

References

INOX

Description	Code	
Repeater P16 INOX IP66	210371	
P16 INOX IP66 WIFI Repeater	210372	
P16 INOX IP66 ETHERNET Repeater	210373	



Allows configuration of the repeater and the main functions TARE and ZERO. Maximum range 6 m outdoor.

FUNCTIONS

Repeater mode with channel sum function (4 possible inputs/outputs)

- » The equipment is prepared to display the VISUALIZATION of the 4 channels (com) and the sum of all channels: 2 RS232 + 1 RS485 + 1 wifi or Ethernet (optional).
- » The sum of channels is a perfect solution for performing the sum of different weighbridges. We can make different combinations to obtain inputs and outputs according to the installation.

P16 REPEATER

M 66
IP

REPEATER MODE - CHANNEL SUM

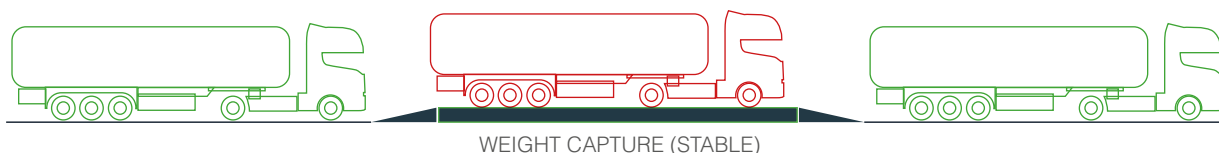
The equipment is prepared to display the visualization of **up to 4 channels** <com> and their sum. Remember: 2 RS232 + 1 RS485 + 1 wifi or Ethernet (optional). We can make different combinations to obtain inputs and outputs according to the installation.

Example of a possible installation with two weighbridges:



REPEATER MODE - TRAFFIC LIGHT

Display in repeater mode with traffic light function activated with the GIROPES protocol, which visually allows the entry of the truck (green color "0"), the weighing process, stable weighing (digits in red), saving (weight capture), and exit (digits in green) for weighbridges with GI430 and GI450 truck scale series indicators with truck scale firmware.



REPEATER MODE - CHECKWEIGHER (WEIGHT CONTROL)

The equipment is prepared to display the 4 checkweigher zones synchronized with the connected weight indicator.



PANEL MODE - TRUCK SCALE (GI650 + GIROPES PROTOCOL)

*Gimanager required

Display with traffic light function activated with the GIROPES protocol, which visually allows truck entry (green color "0" and text "Ready" and "Entry"), stable weighing process (digits in red "Stop"), saving (weight capture), and exit (digits in green "Go") for weighbridges with GI650 indicators.



PANEL MODE - WEIGHINGS (GI620)

>> Vehicle weighing by axes

Display with axle scales function: 5 seconds between weighings and display of the sum of the axes.



COMPACT REPEATER WITH HIGH VISIBILITY.

3 COMMUNICATION CHANNELS TO GENERATE MULTIPLE FUNCTIONS (CHANNEL SUM, CHANNEL SUM + DATA EXPORT, REPEATER MODE...)

R45
REPEATER



SPECIFICATIONS

FEATURES

Screen Red LED with 6 digits of 45 mm.

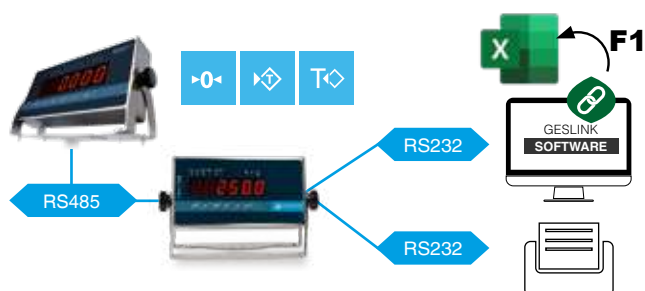
Protection IP65

Input COM 1: RS232 COM 2: RS232 COM 3: RS485

Cable 15 m included

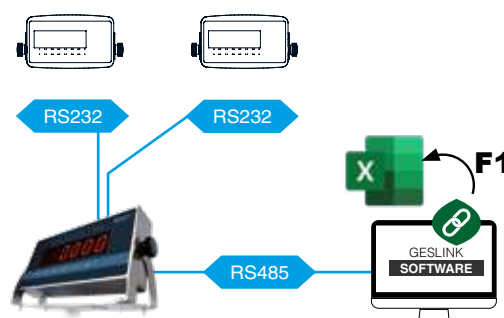
REPEATER MODE

Example of configuration in repeater mode.



SUM FUNCTION

Example of configuration with Sum Function.



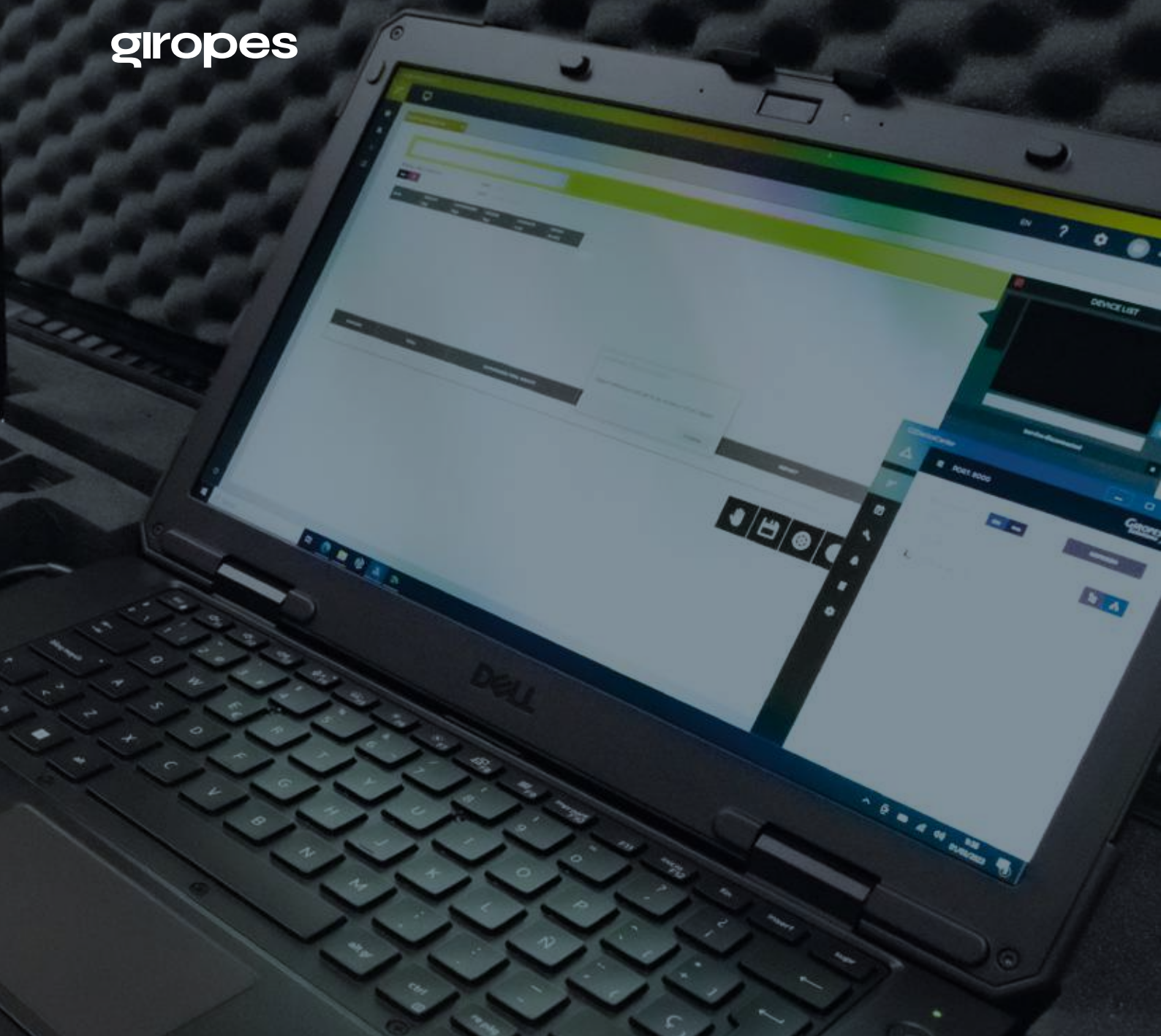
References

Description

Weight repeater with 6 digits of 45 mm

Code

210185



SOFTWARE



With **GESTRUCK2** you can quickly and efficiently record and process traffic on your weighbridges.

The software offers complete control of vehicle weighing operations with a fast and intuitive interface, which especially facilitates obtaining the desired information with the greatest possible accuracy and speed.

- » Inventory control.
- » Management of storage areas.
- » Statistical analysis.

It supports different installation architectures: from the most basic with a single workstation, to complex installations of autonomous weighing management systems.

CUSTOMIZABLE SOFTWARE

- » GESTRUCK is customizable in many aspects such as filters, data sending, program operation options, role and user assignment. It also offers ticket customization.

CONTROL DEVICES

- » It allows you to manage different control devices such as: access control systems to the weighbridge through barriers, vertical signaling, automatic license plate recognition through IP video cameras, barcode card readers, correct vehicle positioning on the weighbridge, etc.
- » GESTRUCK2 is an incremental system that adapts to the needs of each business model. It has different versions that allow it to grow at the pace of your company.

GESTRUCK SLIM | ONE | PRO

GESTRUCK SLIM

Standard version, single and simple user. For installations of up to two weighbridges within a weighing area

GESTRUCK ONE

Multisector version for installations of up to 5 industrial weighbridges, access and exit control. Installation on a single computer.

GESTRUCK PRO

Multisector version. Allows integration of all modules and access with mobile devices. Network installation.

MAIN FEATURES

	SLIM	ONE	PRO/GESNET2
Database	SQLite	MySQL (local)	MySQL
Number of users	1	5	Undetermined
Ticket formats	2	5	Undetermined
Number of scales to control	2	2 to 5 (optional)	Undetermined

LICENSES

	SLIM	ONE	PRO
Description	Code	Code	Code
Desktop PC license	280076	280077	280078
Additional license	-	-	280085

OPTIONALS

Description	Code
Annual maintenance support contract	-
<i>Note: direct support to end customer and version updates.</i>	
Basic implementation system	280207
Basic implementation system with automation	280210
SAT hourly rate	110000-110001
SW support hourly rate	280243
Ticket customization	280130
Development of the client display protocol	280131
Custom software development (price/hour)	280214

MODULES TO EXTEND FEATURES

CUSTOMIZATION MODULES

Description	Code	SLIM	ONE	PRO
Integration of ERP SYSTEM Allows integration with third-party ERP systems (prior study required).	280139	-	✓	✓
Development of the client display product For other protocols not included in the series.	280131	✓	✓	✓
Personalization of weighing ticket Weighing ticket formats.	280130	✓	✓	✓

MODULES FOR VEHICLE ENTRY/EXIT CONTROL AND POSITIONING

CUSTOMIZATION MODULES

Description	Code	SLIM	ONE	PRO
Visual control system CCTV contextual camera modules.	280115	-	-	✓
Devices for a visual control system CCTV camera set.				See p. 101

VEHICLE TRAFFIC MANAGEMENT

Description	Code	SLIM	ONE	PRO
License plate recognition system ANPR/LPR camera module (2 cameras). Automatic license plate reading.	280651	-	-	✓
ANPR/LPR camera module (>2 cameras) Automatic license plate reading.	-	✓	✓	✓
License plate recognition devices ANPR camera set.				See p. 101

TERMINALS

Description	Code	SLIM	ONE	PRO
Self-service weighing terminals Self-service weighing terminal management module. The GESNET2 program can be completed with the installation of the terminals. Activation of this module is required for their control.	280143	-	✓	✓
Available terminals				See p. 90

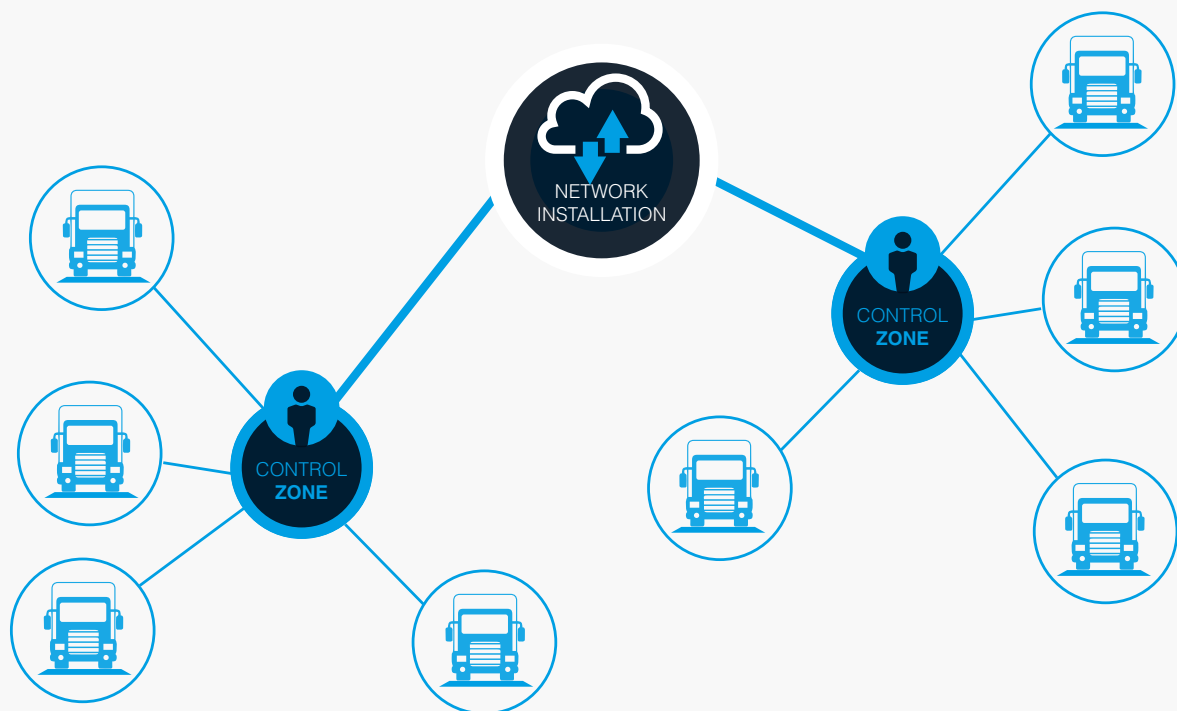


GESTRUCKPRO

Multisector version. Allows integration of all modules and access with mobile devices.

Network installation.

Export of weighing record. Allows automatic weighing reports to be sent via email, directories, or FTP servers.



INTERNAL AND EXTERNAL COMMUNICATION

Authentication system using radio frequency cards, documents with barcodes or QR codes.

Digital signature module. With this module, the configuration supports electronic signature that will appear on the ticket, confirming the record *(It is essential to choose or have one).

System responsible for data synchronization between two or more Gestruck2 workstations or between the Gestruck2 software and Ges2Web. * Visualization in the browser (via the Ges2Web platform upon request).

FLOW CONTROL

Access/exit control of the FCS/PCS module for vehicles.

* specifications and prices.

	Code	
Red traffic light 12/200 with 3 m galvanized column.	-	
Painted barrier with inductive loops and photocell. Mast: 4 m.	280556	
Dual-channel transmitter 250k-slimrp 433.92 MHz with "rolling code" technology	281030	
Two-channel transmitter 250s-2rp 433.92 MHz with "rolling code" technology	281031	
Four-channel transmitter 250s-4rp 433.92 MHz with "rolling code" technology	281032	

DYNAMIC WEIGHING MODULE FOR THE GESTRUCK PRO SOFTWARE



	Code	
Low-speed dynamic weighing module	-	

**CLOUD
MANAGEMENT
SOLUTION**
*Linked with
GesTruck2 or the
GT2APP application,
it will allow you
to control all your
production plants.*



Allows you to manage all entities involved in a weighing process (companies, vehicles, materials, etc.). Linked with GesTruck2 or the GT2App application, it will allow you to control all your production plants.

ADMINISTRATOR ACCESS:

- » Definition of materials
- » Vehicle authorization
- » Possibility to control different weighing centers
- » Display of the status of the different containers in the center

USER ACCESS:

- » Visualization of company data
- » Statistical summary
- » Possibility to download invoices

WEB AND APP





APP solution of
GESTRUCK PRO

*Allows capturing the
weighing and sending it to
GES2 Web.*



Quick search
of vehicles



Function
weigh

online / offline

This application allows its use offline after the first upload of data. The process synchronizes when the connection is restored.

Complete management of obtaining data from material entries and vehicle details.

AVAILABLE ON PLAY STORE FOR ANDROID TABLETS AND SMARTPHONES:

» This structure, through mobile and web application, allows it to become the new portable generation of GesTruck2.

SCALE OPERATOR:

- » Quick search of users and vehicles.
- » User creation in the same search.
- » Function to weigh or distribute materials

WEB AND APP





GESNET2 is the **Giropes Solutions** solution for the automation and management of weighbridges in waste plants.



- » It supports different installation architectures, from the most basic (a single workstation) to complex installations of autonomous weighing management systems.
- » With GESNET2 you can quickly and efficiently register and process traffic on your weighbridges. It allows you to have relevant information for administration departments, inventory control, storage area management, statistical analysis, and more.
- » Access control. It will allow you to manage different control devices such as: access control systems for weighbridges through barriers, vertical signage, automatic license plate recognition via IP video cameras, proximity card readers, barcode card readers, correct positioning of the vehicle on the weighbridge, etc.

GESNET2 SPECIFIC FUNCTIONS

DECENTRALIZED SYSTEM

Allows control of different facilities with connection and data access as needed: 3G, Ethernet, server data or cloud.

CLEAN POINT SYSTEM

User identification and classification of clean point waste. Operator for recycling/treatment plants.

DYNAMIC WEIGHING OPTION

For weighing vehicles in motion at low speed for axle scales.

MATERIAL TREATMENT AND CODING

Assessment and classification of waste.

CONTAINER LOAD CONTROL

Identification of the level of waste stored inside the container for the management of its collection.

LICENSES

Description	Code	
License GESNET2	280072	
Additional license	280073	
GESNET2WEB Web platform*	280069	
G2 APP application for mobile devices: tablets and smartphones	280302	
GESNET CLOUD Platform (annual price)	280070	

*GESNET2Web requires maintenance and hosting.

OPTIONALS

Description	Code	
Annual maintenance support contract	-	
<i>Note: direct support to end customer and version updates.</i>		
Basic implementation system	280207	
Basic implementation system with automation	280210	
SAT hourly rate	110000-110001	
SW support hourly rate	280243	
Ticket customization	280130	
Development of the client display protocol	280131	
Custom software development (price/hour)	280214	

DYNAMIC WEIGHING MODULES

Axle scales system	Code	
Low-speed dynamic weighing module	-	

MODULES FOR VEHICLE ENTRY/EXIT CONTROL AND POSITIONING

Description	Code	
VISUAL CONTROL		
Visual control system (only GESTRUCK PRO) CCTV contextual camera modules.	280115	
Devices for a visual control system CCTV camera set.		See p. 101
MANAGEMENT OF VEHICLE TRAFFIC		
License plate recognition system (only GESTRUCK PRO) ANPR/LPR camera module (2 cameras). Automatic license plate reading.	280651	
ANPR/LPR camera module (>2 cameras) Automatic license plate reading.	-	
License plate recognition devices ANPR camera set. *specifications and prices	281115	
TERMINALS		
Self-service weighing terminals Self-service weighing terminal management module. The GESNET2 program can be completed with the installation of the terminals. Activation of this module is required for their control.	280143	330

GESNET WEB



CLOUD MANAGEMENT SOLUTION

Allows management of all entities involved in a weighing process (companies, vehicles, materials, etc.)

*Linked with the **GESNET2** or the **G2 APP** application, it will allow you complete control of recycling plants.*



Web Solution of
GESTRUCK PRO

ADMINISTRATOR ACCESS:

- » Definition of materials.
- » Enabling of vehicles.
- » Possibility to control different weighing centers.
- » Display of the status of the different containers in the center.

USER ACCESS:

Company data visualization:

- » Statistical summary.
- » Possibility to download invoice.
- » Access to bonus system.

RECYCLING BONUS:

- » Function enabled to reward users according to customizable parameters.
- » By days, user, kilograms of material delivered, etc.
- » Bonus applicable to waste fee.

INVOICING:

- » Function enabled to determine recycling surpluses.



G2 APP

Allows capturing the weighing and sending it to GESNET2Web.

- » **G2 APP** allows capturing the weighing and sending it to GESNET2Web.
- » This structure, through mobile and web application, allows it to become the new portable generation of **GESNET2**.
- » Complete management of obtaining data from material entries and vehicle details.
- » Available on Play Store for Android tablets and smartphones.

Online/offline

This application allows offline use after the first data upload. The process synchronizes when the connection is restored.

WEB AND APP





giropes



AUTOMATIONS

We automate truck weighing on truck scales using software and integrated systems that connect terminals, access controls, and auxiliary devices. Our solutions allow autonomous management of access, vehicle identification, and complete supervision of the weighing process, ensuring high levels of security, traceability, and operational efficiency.



SPECIFICATIONS

FEATURES

Terminal	For autonomous station with proximity RFID reader
Installation kit	In stainless steel version
Power supply	12 VDC/1 A (external power supply)
Connectivity	Ethernet

INCLUDES

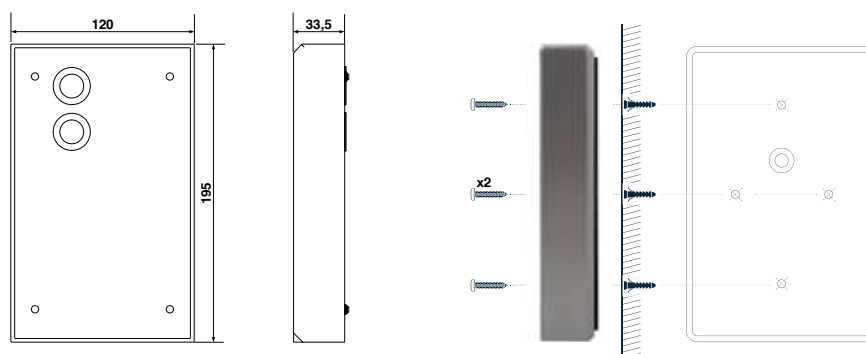
- » RFID/MIFARE reader.
- » Card management system.
- » 2 LED indicators (red/green).
- » 10 RFID cards.
- » Possibility to control 1 output and 2 inputs or 3 outputs.

TYPES OF GST1 MINI TERMINALS

- » GST1 MINI terminal in stainless steel with aluminum housing.

DIMENSIONS (mm)

INSTALLATION



TERMINAL MODULES

GESTRUCK2/GESNET2 SOFTWARE

The GESTRUCK2 and GESNET2 programs can be completed with the installation of the terminals. Activation of this module is required for their control.

Software	Code
GESNET2 office software	280072
GESTRUCKPRO office software	280078
Unattended weighing terminal management module	280143

Note: check the specifications, options, and references.

GST1 MINI references

Description	Code
Self-service terminal GST1 MINI INOX + RFID	281139

OPTIONALS

Description	Code
Galvanized post for GST terminals	280574

Compact self-service terminal for unattended weighing that manages access to the scale and allows operation without an operator via RFID identification and software integration. Available for installation at standard height or cabin level.

OPTIONS FOR SOFTWARE

- » **GST1 MINI.** Weighing terminals with or without operator by installing the G2 Automatic application. The terminal supports options to integrate vehicle identification systems using an RFID reader.
- » **G2 AUTOMATIC.** Allows GST1 MINI and GST2 terminals to work with GESNET2 unattended (without operator). Incorporates automatic management functions for weight control.

GST-TPV AUTOMATIONS

Terminal for autonomous station with payment module via card or smartphone.



SPECIFICATIONS

FEATURES

- » Terminal for autonomous station with proximity RFID reader.
- » Installation kit available in painted steel or stainless steel.
- » Ease of use for the carrier.
- » Payment module with contactless.
- » Possibility to make payment using inserted card, contactless card, or smartphone.
- » Small numeric keypad with LCD screen to provide instructions and manage payment.

INCLUDES

- » Contactless reader.
- » Reader for inserting bank cards.
- » Integrated ticket printer.
- » Keypad with LCD screen for managing weighing payment.
- » Visor with STAINLESS/PAINTED protection.

OPTIONALS

- » 3G/4G connection.

GST-TPV VERSIONS

- » GST-TPV terminal in painted steel.
- » GST-TPV terminal in steel.

Note: internet connection required for operation.

TERMINAL SOFTWARE

- » Completely automatic.



PC SOFTWARE

- » GESNET or GESTRUCK PC software.



GESNET2



GESTRUCK2

GST-TPV references

Description	Code
Terminals	
GST-TPV terminal in painted steel	280426
GST-TPV terminal in stainless steel	280595
Post for terminals	
Stainless steel post for terminals	280518
Galvanized post for terminals	280574
Software	
GESNET2 office software	280072
GESTRUCKPRO office software	280078
Unattended weighing terminal management module	280143
Embedded system license G2 Terminal	280088
Remote start-up*	280210
Note 1: allows GST1 terminals to operate for unattended GESNET2 (without operator). Note 2: the GESTRUCK2 and GESNET2 programs can be completed with the installation of the terminals. Activation of this module is required for control. * The amount will be determined based on the complexity of the installation.	
Other options	
4G ROUTER*	280642

*Does not include SIM card

GST1 PLUS

AUTOMATIONS

Configurable self-service terminal with integrated RFID reader.



SPECIFICATIONS

FEATURES

- » Terminal for autonomous station with proximity RFID reader.
- » Installation kit available in painted steel or stainless steel.
- » Compact and configurable.

INCLUDES

- » RFID/MIFARE reader.
- » Card management system.
- » 2 LED indicators (red/green).
- » 10 RFID cards.
- » Protective visor.

OPTIONALS

- » Printer.
- » Intercom.

GST1 PLUS VERSIONS

- » GST-PLUS terminal in painted steel.
- » GST-PLUS terminal in stainless steel.

Note: indicator version required.

GST1 PLUS References

Description	Code	
Terminals		
GST1 Plus Terminal INOX	280438	
GST1 Plus Terminal INOX + Printer	280440	
GST1 Plus Terminal INOX + Intercom	280442	
GST1 Plus Terminal INOX + Printer + Intercom	280444	
GST1 Plus Painted Terminal	280439	
GST1 Plus Painted Terminal + Printer	280441	
GST1 Plus Painted Terminal + Intercom	280443	
GST1 Plus Painted Terminal + Printer + Intercom	280445	
10 RFID cards	280030	
Post for terminals		
Stainless steel post for terminals	280518	
Galvanized post for terminals	280574	
Software		
GESNET2 office software	280072	
GESTRUCKPRO office software	280078	
Unattended weighing terminal management module	280143	
Remote start-up*	280210	
<i>Note 1: allows GST1 terminals to operate for unattended GESNET2 (without operator).</i> <i>Note 2: the GESTRUCK2 and GESNET2 programs can be completed with the installation of the terminals. Activation of this module is required for control.</i> <i>* The amount will be determined based on the complexity of the installation.</i>		
Other options		
IP phone	281200	

TERMINAL SOFTWARE



PC SOFTWARE

- » GESNET or GESTRUCK PC software.



GESNET2



GESTRUCK2

GST2

AUTOMATIONS

Self-service terminal
with integrated RFID
reader and optional
modules available.



TERMINAL SOFTWARE



PC SOFTWARE

» GESNET or GESTRUCK
PC software.



GESNET2



GESTRUCK2

SPECIFICATIONS

FEATURES

INCLUDES

- » RFID/MIFARE reader.
- » Card management system.
- » 2 LED indicators (red/green).
- » LCD screen.
- » Visor with INOX protection.
- » 10 RFID cards.

OPTIONALS

- » Intercom*.
- » Barcode reader, includes 2D barcode management system*.
- » Alphanumeric or numeric vandal-proof keyboard (disables push buttons)*.
- » Thermal printer.
- » Embedded system, includes ventilation. (GESTRUCKPRO software integrated).
- » QR.

GST2 VERSIONS

- » GST2 terminal in painted steel.
- » GST2 terminal in stainless steel.

**Internal control unit required: 3, 5 or 10 channel control unit.*

**When choosing the barcode reader or keyboard, the optional embedded system will be mandatory.*

GST2 References

Description	Code
-------------	------

Terminals

GST2 terminal in painted steel with RFID (standard version)	280571
GST2 terminal in stainless steel with RFID (standard version)	280566

Configurations with options

	Printer	Intercom	Code
GST2 PAINTED	✓		280572
GST2 PAINTED	✓	✓	280573
GST2 STAINLESS STEEL	✓		280567
GST2 STAINLESS STEEL	✓	✓	280568

Post for terminals

Stainless steel post for terminals	280518
Galvanized post for terminals	280574

Software

GESNET2 office software	280072
GESTRUCKPRO office software	280078
Unattended weighing terminal management module	280143
Remote start-up*	280210

Note 1: allows GST2 terminals to operate for unattended GESNET2 (without operator).

Note 2: the GESTRUCK2 and GESNET2 programs can be completed with the installation of the terminals. Activation of this module is required for control.

* The amount will be determined based on the complexity of the installation.

Other options

Generic RFID card	280030
4G ROUTER*	280642
IP phone	281200

Note 1: terminals with IP intercom require at least one switchboard.

*Does not include SIM card.

GST4

AUTOMATIONS

The GST4 is an advanced weighing terminal designed to automate and digitize weighing stations, enabling access control, user identification, and complete Management of weighings without the need for the permanent presence of an operator.

It is the ideal solution for industrial plants, logistics centers, recycling plants, quarries, and any facility that requires reliable, autonomous, and traceable weighing control.



GST4 PAINTED



GST4 INOX



GST4 POS PAINTED



GST4 POS INOX

SPECIFICATIONS

FEATURES

INCLUDES

- » 10.1" touchscreen.
- » RFID card reading, card Management system.
- » Painted protective visor or with INOX protection.
- » 10 RFID cards.

GST4 VERSIONS

- » GST4 terminal in painted steel.
- » GST4 terminal in stainless steel.

OPTIONALS

- » Intercom*.
- » Barcode reader, includes 2D barcode Management system.
- » QR.
- » Thermal printer.
- » 3G/4G Router communication (already included depending on model).
- » Keyboard.

Note: IP phone required.

GST4 References

Description					Code
Terminals					
GST4 terminal in painted steel with touchscreen and RFID (standard version)					280507
GST4 terminal in stainless steel with touchscreen and RFID (standard version)					280513
Configurations with options	Printer	QR	Intercom	POS	Code
GST4 PAINTED	✓		✓		280508
GST4 PAINTED	✓				280509
GST4 PAINTED	✓	✓	✓		280510
GST4 PAINTED	✓	✓	✓		280511
GST4 PAINTED		✓	✓		280627
GST4 PAINTED			✓		280647
GST4 PAINTED	✓	✓		✓*	281176
GST4 PAINTED	✓	✓	✓	✓*	281177
GST4 STAINLESS STEEL	✓				280514
GST4 STAINLESS STEEL	✓		✓		280515
GST4 STAINLESS STEEL	✓	✓	✓		280516
GST4 STAINLESS STEEL	✓	✓	✓		280517
GST4 STAINLESS STEEL		✓	✓		280626
GST4 STAINLESS STEEL			✓		280648
GST4 STAINLESS STEEL	✓	✓		✓*	281129
GST4 STAINLESS STEEL	✓	✓	✓	✓*	281130

*Only available in Spain.

Post for terminals	Code
Stainless steel post for terminals	280518
Galvanized post for terminals	280574

Software

GESNET2 office software	280072
GESTRUCKPRO office software	280078
Unattended weighing terminal management module	280143
Integrated embedded system license for the unattended GST4 terminal	280089
Remote start-up*	280210

Note: please consult the specifications, options, and references.

* The amount will be determined based on the complexity of the installation.

Other options

4G ROUTER*	280642
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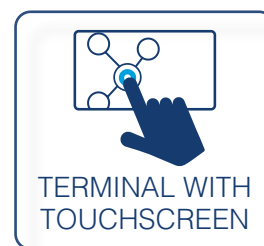
*Does not include SIM card

Intercom

IP phone	281200
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Note: terminals with IP intercom require at least one switchboard.

GST4 AUTOMATIONS



PC SOFTWARE

All generated data is integrated with the office software, installed on a centralized computer, from where the entire installation is Managed.

» GESNET or GESTRUCKPRO PC software.



GESNET2

Specific software for waste treatment and Management plants.



GESTRUCKPRO

Management software for any type of industrial or logistics plant.

SOFTWARE Autonomous Management of weighing



The **GST4** incorporates the **G2Terminal** software, which runs directly on the terminal and controls the associated scale. Thanks to this software, the weighing station can operate in the following ways:

- » Semi-unattended.
- » Fully unattended without the need for permanent staff at the weighing point.

MAIN FEATURES

- » Weighing in gross weight, tare, and net weight.
- » Automatic deduction of packaging and containers.
- » Identification of users, vehicles, and batches.
- » Inbound and outbound weighings.
- » Multiple operations.

The entire process is carried out from the 10.1" touchscreen, in an intuitive and guided way.

GI500SS

AUTOMATIONS

Alphanumeric indicator in stainless steel with integrated coin acceptor.



SPECIFICATIONS

FEATURES

- » The GI500SS indicator is a self-service weight indicator for public scales up to 60 tons, where the weighing ticket must be conditioned on payment of a pre-established amount.
- » 3000 CE-M approved divisions.
- » Up to 10,000 non-approved divisions, 4,000 non-approved multi-range divisions.
- » Alphanumeric LCD display with 4 lines of 20 characters per line. Backlit.
- » Standard PC keyboard connection. Very useful when it is necessary to enter alphanumeric characters in the configuration (ticket headers, customer names, etc.).
- » Up to a maximum of 8 load cells connected in parallel to the scale input are allowed.
- » Power supply via 220 V AC mains connection.
- » Coin selector. The equipment includes a coin selector capable of recognizing the following legal tender coins: 0.05/0.10/0.20/0.50/1/2 €.
- » Acceptance and return button. To recover inserted coins in case you want to cancel the operation. In case of a "scale out of zero" error, it allows you to perform the zeroing of the scale.
- » External and internal display. It has a keyboard and the internal display to configure the different functions.
- » Thermal printer with auto-cutter, allowing the issuance of tickets and the printing of lists. The only maintenance required is replacing the paper roll; no ink change is needed.
- » iButton reader for customer identification. Each button has a unique serial number, allowing management of a customer database with records of name, code, number of weighings, available credit and total accumulated, payment method, type of weighing, last weighing (date, time, and weight), and vehicle tare.

FUNCTIONS

ZEROING OF THE SCALE

- » Zeroing of the scale.
- » Free weighing (configurable).
- » Programmable rates.
- » Customer identification.
- » Types of weighing for each customer.
- » Settlement lists.
- » Traffic light management.
- » Printing options.

SECTION I/O

COMMUNICATIONS AND DIGITAL OUTPUTS

- » 1 RS232/C output for sending data to PC.
- » 1 Ethernet output (optional).
- » 2 optocoupled outputs for traffic light/barrier management.

Reference GI500SS

Description	Code
Alphanumeric indicators coin acceptor	210060

ACCESSORIES

Description	Code
Keyboard for PC	630036
Ethernet	270303

DEVICES

*ENTRY AND EXIT OF WEIGHBRIDGES.
FULLY CONFIGURABLE AND AUTOMATABLE.*



Multiple automation options for weighing systems, automatic identification, and management of vehicle traffic through access control.

DEVICES AUTOMATIONS

TRAFFIC LIGHT

Green-red LED traffic light that allows notifying the driver of the authorization to enter and/or exit the weighing station.

Description	Code
Green-red traffic light 12/200 with 3 m galvanized column	280135



INDUCTIVE LOOP

Used to detect the presence of vehicles by means of an inductive cable buried in the ground (cable not included).

Description	Code
Single-channel detector for inductive loop	280558



INFRARED PHOTODEVICE

Within a weighing system, infrared photodevices allow for positioning control of the truck on the scale.

Description	Code
Vehicle positioning set on weighbridge	280298

Note: control panel required for the installation of these devices.



AUTOMATIC BARRIERS

Fast automatic barriers are the ideal solution for controlling vehicle entry and exit at the weighing station.

Description	Code	
Painted barrier with inductive loops and photocell. Mast: 4 m.	280556	
Two-channel transmitter 250k-slimrp 433.92 MHz with "rolling code" technology	281030	
Two-channel transmitter 250s-2rp 433.92 MHz with "rolling code" technology	281031	
Four-channel transmitter 250s-4rp 433.92 MHz with "rolling code" technology	281032	



CONTROL CAMERAS

High-precision cameras for license plate recognition on expressways with specific application for traffic authorities and access controls. Recognition and control cameras are available, depending on the needs of the installation.

Description	Code	
ANPR camera set*	281115	
CCTV camera set	280331	

*Cameras for license plate recognition through the optional module.



TYOLOGY OF INSTALLATIONS

CONCRETE OR METALLIC

To meet customer needs, modular metal weighbridges with a robust structure have been designed and developed by Giropes as a result of a process of continuous improvements.

ESSENTIAL COMPONENTS

The type of installation requires a specific base; the weighbridge structure itself (made of steel and/or concrete), load cells with their junction box connected to a weight indicator, and the various accessories for vehicle transit or other devices or weighing software applications for data acquisition.

WEIGHBRIDGES

Giropes can advise you through the different steps so that your project and selection of the truck scale, van, train, container, or other large-volume elements and vehicles are the right ones.

This catalog brings together a wide variety of standard models with different finishes and options.

Our team of engineers, technicians, and sales staff will accompany you to find the optimal solution for each project.

ANALYZE THE USE FOR PROPER DESIGN

The different uses of weighbridges and their service life make their selection vitally important. Comprehensive advice throughout the different phases will also provide the owner with maximum advantages for many years.

Giropes has a team of sales staff, engineers, and technicians to assist and advise distributors and customers in their selection and throughout the entire process, from installation to use.



01

CHOOSE TYPE OF INSTALLATION

The traffic requirements and the environment in the area where the weighbridge will be installed will define the model to be chosen.

02

CIVIL WORKS

Once the weighbridge model has been selected, the civil works must be carried out strictly following the technical specifications required to correctly install and support the weighbridge.

03

MANUFACTURING

The use of suitable materials and the best manufacturing techniques, together with a prior design study, is crucial in equipment intended to support heavy vehicles.

04

TRANSPORT

Once manufactured, its easy transport is key to the coordination and optimization of the project.

05

INSTALLATION

One of the main decision factors when purchasing a weighbridge is the time and ease of installation. Many of our models are designed to optimize both aspects.

06

COMMISSIONING

Once installed, the verification, calibration, and commissioning of the weighbridge allows, in many models, its use on the same day.

07

MAINTENANCE

An appropriate maintenance program helps maximize the service life of the scale.

Maintenance must include inspection of the scale, the base, the load cells, and the new calibration.



WARRANTY

Warranty conditions

Giropes, S.L. guarantees its products, purchased through an authorized channel, against material or manufacturing defects for a period of two years from the shipping date, in accordance with current legislation, unless otherwise specified in the offer or in the order acceptance.

- » Damages or effects due to normal wear and tear of the material, inadequate conservation or maintenance, improper storage or handling, modifications made without the written consent of Giropes, and, in general, causes not attributable to Giropes are excluded from the warranty.
- » Accessories such as the battery, adapter, thermal head, etc. are excluded from the warranty.
- » Repairs will be carried out at Giropes' facilities and will be at the customer's expense.
- » Dismantling, packaging, transport, customs, fees, etc. arising from the shipment of the material to Giropes' facilities and its subsequent delivery will be at the customer's expense.
- » The customer must send the material using the RMA system provided by Giropes. In this case, no freight collect deliveries will be accepted.
- » Giropes may agree with the customer to repair or replace defective parts at the customer's facilities. In this case, the customer will bear the costs related to the transfer of technical service personnel.
- » In the event of product malfunction within the first 45 days after delivery, the product will be replaced (not applicable in the case of weighbridges, train scales, axle scales, and other large-volume products). The customer must file a claim using the RMA form and return the material with the original packaging in perfect condition. Giropes reserves the right to request images and/or videos for the evaluation and approval of each case. Giropes will handle the collection and will send a transport agency to carry it out. Giropes reserves the right to charge for the product and transportation if manipulations, damage, or lack of packaging are detected.
- » In the case of replacement, a new warranty period does not begin; instead, the calculation of the remaining warranty period of the original product is reactivated.
- » Giropes will not assume repairs carried out by third parties.
- » The repair or replacement of a defective part does not alter the product's warranty period. However, the repaired or replaced part will have a warranty period of six months from the date the repair or replacement was carried out (while the repair is ongoing, the two-year period is suspended).
- » Giropes will not be liable under any circumstances for indirect and/or consequential damages that may arise as a result of the supply.
- » The customer will be responsible for disposing of the items supplied by Giropes, in accordance with the regulatory provisions applicable to them, at their own cost and responsibility.

WARRANTY FOR DAMAGE CAUSED BY TRANSPORT:



- » Customers who receive the goods within Spain will have 24 hours from the time of receipt to notify Giropes of any transport-related anomaly they notice in the goods. If such notification is not made within this period, Giropes will not assume any repair or replacement costs if the product has been damaged. This period is extended to a maximum of 7 days when receipt takes place in any other European Union country. This period may vary depending on the legislation in other countries.
- » damage such as impacts, breakages, or others that may affect the product and cannot be detected without opening the package. We strongly recommend that you fill in the carrier's delivery note with your observations before signing it. All our equipment comes with a CE certificate and user manual available to our customers.
- » Remember that, as manufacturers, Giropes, S.L. does not include transport damage in the warranty, so if it is not specified in the "Reservation Note", you will not be able to claim against the carrier.
- » We remind you that there is a section called "Reservation Note" to specify, when signing the delivery note, that the package shows

REMOVAL OF USED ELECTRONIC PRODUCT WITH THE SAME CHARACTERISTICS AS PURCHASED:

- » Giropes, S.L. is registered in the Register of Electrical and Electronic Equipment of the Ministry of Industry, Tourism and Trade (RII-AEE) with number 7322.
- » Giropes, S.L. offers the customer, at the time of delivery of their purchase, the possibility of returning a used electrical and/or electronic product with the same characteristics as the one sold.

Giropes, S.L. has an RMA service (Return Merchandise Authorization) with the aim of improving the management of product returns and repairs and providing better after-sales service.

Our Technical Service does not take any action with returned material unless it has been processed through the RMA system.

If you are not familiar with our RMA system, you should go to the address provided below and follow the instructions.

<http://www.giropes.com/en/rma>

STEP 1

Go to the Giropes website and access the RMA section: www.giropes.com



STEP 2

Fill in the form to request the RMA number:

<https://www.giropes.com/en/rma>

Within a maximum period of 24 hours, Giropes will respond with an RMA number and a label format.

STEP 3

Return of the material to Giropes:

- » A copy of the RMA document must be included inside the package.
- » The material must be sent to Giropes with shipping prepaid to the address indicated on the label, and a copy of the RMA in a visible place.

STEP 4

Resolution of the return and return of the material:

- » Once the material is received, Giropes will proceed with its verification and/or repair. As soon as the issue is resolved, we will send the repaired material with shipping due.

Repair quotations are valid for 45 days from the date of issue. If, after this period, no written response of acceptance or rejection of the quotation is received, the goods will be returned with shipping costs borne by the recipient. If the shipment is rejected and consequently returned to our facilities, the material will be considered the property of Giropes.

For more information, do not hesitate to contact our **Technical Service**

Sales conditions

In accordance with the general sales conditions of Giropes, S.L., our customers are added to our database, so they will receive commercial communications with offers of our products and related news. If you wish to exercise your right to opt out of this service, please contact us. In each email you receive, you can unsubscribe if you no longer wish to receive further offers or information about products from Giropes, S.L. and its brands.

NOTES REGARDING THE CATALOG

- » The product information, as well as the references and their prices, have been reviewed to ensure they are correct and as up to date as possible. However, we do not guarantee that there are no errors in the descriptions and/or prices shown, nor that the products are available at all times.
- » Prices are valid except for typographical errors or until this document is modified. Please consult Giropes, S.L. to always know the latest version of the catalog, current prices, and their availability at the time of placing your order.
- » Likewise, we inform you that the images in this catalog and on our website do not constitute any contractual commitment. Giropes offers in this publication and on the website the products it has available and expects to be able to distribute at the time the document is prepared. However, circumstances may lead us to offer alternative equipment or design changes, which will also have passed our exhaustive product quality criteria.

INTELLECTUAL PROPERTY

- » The sale and delivery of equipment, software, or services by Giropes, S.L. and its brands to the customer does not represent any transfer of ownership rights, patents, copyright, trademark rights, technologies, designs, specifications, plans, or any other intellectual property incorporated directly or indirectly into the equipment and software.

PAYMENT CONDITIONS

- » All prices shown in this catalog are without VAT included. Any indirect tax levied on the

sale is borne by the buyer. Shipping cost not included.

- » In general, payment is by bank transfer within 30 calendar days from the invoice date. The methods and forms of payment must be formalized in writing with the acceptance of Giropes, S.L.
- » Early payment discount: a 2% discount may be applied for early payment, provided that the payment is made within 15 days after receipt of the goods. The invoice with early payment will be issued if this has been indicated at the time of placing your order upon shipment of the goods; if we do not receive your payment within the indicated period, we will send an invoice without the 2% discount. Any complaint or objection does not authorize the buyer to delay or suspend payments.

ORDERS

- » The customer must place orders by any written means of communication.
- » No order will be valid unless accepted by Giropes, S.L.

RETENTION OF TITLE

- » By means of this clause, the customer assigns to Giropes, S.L. the retention of title of the delivered equipment until full payment is made under the established conditions.

Prices are RRP (taxes and shipping not included).

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giropes

WEIGHING SOLUTIONS