

giropes

PRICE LIST 2026

LOAD CELLS

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SINGLE CELLS

They are ideal for commercial, industrial, and process applications. They are commonly used in counting scales, weight/€ scales, hoppers for bagging systems, automated production lines, weighing systems on conveyor belts, and weighing applications in sectors such as food, pharmaceutical, and logistics.

Their ability to tolerate off-center loads makes them especially versatile in environments where the weight distribution is not uniform.

Model		Capacity (kg)
G6MD	M	2-5
G6M	M	5-40
G1M	M	0-50
L6D	M	3-50
GY13	M	3-50
GY13L	M	10-100
G3M	M	50-200
L6E	M	60-200
GY15	M	50-300
GY17	M	100-500
L6G	M	100-500
G4M	M	100-500
GY18	M	200-500
L6F	M	250-750

G6MD

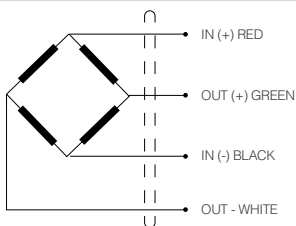


SINGLE CELL

MIN. **2 kg**

MAX. **5 kg**

APPLICATIONS:
Single-cell platforms
of 400 × 400 mm.



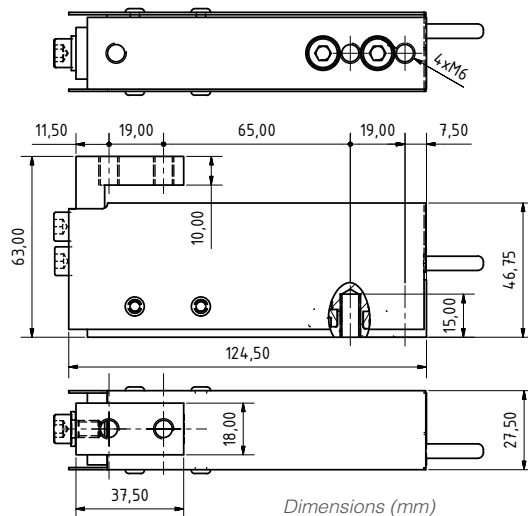
PRODUCT DESCRIPTION

- » Single-plate load cell.
- » Bending load cell.
- » Aluminum construction.
- » 3000 divisions OIML R60 class C.
- » Direct mounting to platform.
- » High accuracy with off-center loads.
- » Low profile.
- » IP66 sealing (EN60529).

SPECIFICATIONS

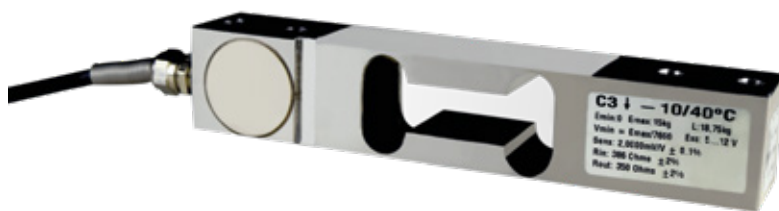
FEATURES

Nominal capacity (E_{max})	2, 3, 5 kg
Accuracy class	C3
Minimum operating load	0 kg
Maximum service load	150 % E_{max}
Breaking limit load	200 % E_{max}
Maximum combined error	$< \pm 0.017 \% C_n$
Repeatability error	$< \pm 0.015 \% C_n$
Effect of temperature on zero	$< \pm 0.01 \% C_n / 5^{\circ}C$
Effect of temperature on sensitivity	$< \pm 0.006 \% C_n / 5^{\circ}C$
Creep error	$< \pm 0.016 \% C_n$
Compensated temperature range	From $-10^{\circ}C$ to $+40^{\circ}C$
Operating temperature range	From $-20^{\circ}C$ to $+50^{\circ}C$
Nominal sensitivity (C_n)	$2 \pm 0.1 \% mV/V$
Nominal supply voltage	10 V
Maximum supply voltage	15 V
Input resistance	$400 \Omega \pm 2 \%$
Output resistance	$350 \pm 3 \Omega$
Initial imbalance	$< \pm 2 \% C_n$
Insulation resistance	$> 5000 M\Omega$
Maximum deformation	0,2-0,4 mm
Cable length	5 m



G6MD References

Reference	Nominal cap. - E_{max} (kg)	OIML accuracy class n.	$Y = E_{max} / v_{min}$	Code
G6MD-2	2	C3	7690	230601
G6MD-3	3	C3	7690	230602
G6MD-5	5	C3	7690	230605



G6M



SINGLE CELL

MIN.	5 kg
MAX.	40 kg

PRODUCT DESCRIPTION

- » Single-plate load cell.
- » Bending load cell.
- » Construction in stainless steel.
- » Low profile.
- » 3000 divisions OIML R60 class C.
- » Direct mounting to platform. (It will be necessary to add thickness. Not included.).
- » High accuracy with off-center loads.
- » IP66 sealing (EN60529).

SPECIFICATIONS

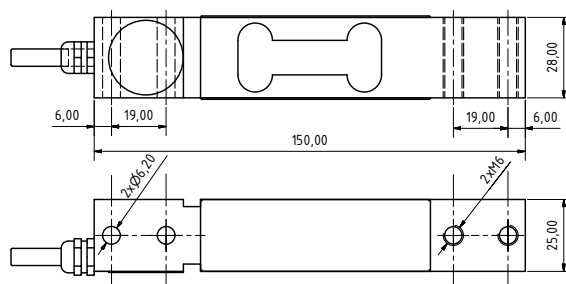
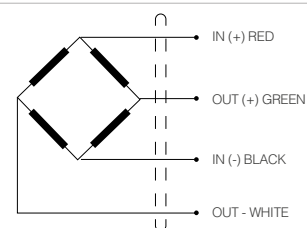
FEATURES

Nominal capacity (E_{max})	5, 10, 15, 18, 20, 25, 30, 35, 40 kg
Accuracy class	C3, C6
Minimum operating load	0 kg
Maximum service load	150 % E_{max}
Breaking limit load	200 % E_{max}
Maximum combined error	$< \pm 0.017 \% C_n$
Repeatability error	$< \pm 0.015 \% C_n$
Effect of temperature on zero	$< \pm 0.01 \% C_n / 5^{\circ}C$
Effect of temperature on sensitivity	$< \pm 0.006 \% C_n / 5^{\circ}C$
Creep error	$< \pm 0.016 \% C_n$
Compensated temperature range	From $-10^{\circ}C$ to $+40^{\circ}C$
Operating temperature range	From $-20^{\circ}C$ to $+50^{\circ}C$
Nominal sensitivity (C_n)	$2 \pm 0.1 \% mV/V$
Nominal supply voltage	10 V
Maximum supply voltage	15 V
Input resistance	$386 \Omega \pm 2 \%$
Output resistance	$350 \pm 3 \Omega$
Initial imbalance	$< \pm 2 \% C_n$
Insulation resistance	$> 5000 M\Omega$
Maximum deformation	0,2-0,4 mm
Cable length	5 m

APPLICATIONS:
Single-cell platforms
of 400×400 mm.



SUITABLE FOR OFF-CENTER LOADS



Dimensions (mm)

G6M References

Reference	Nominal cap. - E_{max} (kg)	OIML accuracy class n.	$Y = E_{max} / v_{min}$	Platform	Code
G6M-5	5	C3	7690	400×300	230665
G6M-10	10	C3	7690	300×400	230666
G6M-15	15	C3	7690	400×400	230667
G6M-18	18	C6	11500	400×400	230668
G6M-20	20	C6	11500	400×400	230669
G6M-25	25	C6	11500	400×400	230670
G6M-30	30	C6	11500	400×400	230671
G6M-35	35	C6	11500	400×400	230672
G6M-40	40	C6	11500	400×400	230673

G1M

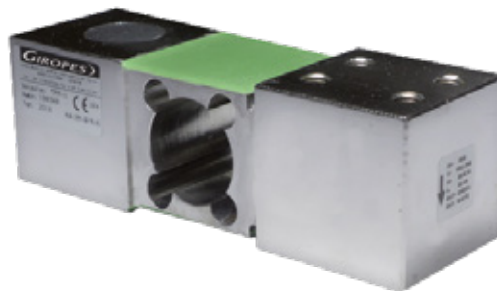
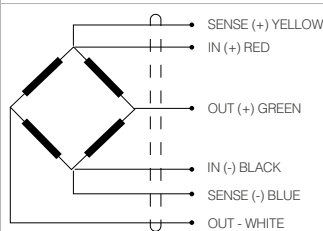


SINGLE CELL

MIN. **0 kg**

MAX. **50 kg**

APPLICATIONS:
Single-cell platforms
of 600 × 600 mm.
Hoppers (bagging machines).



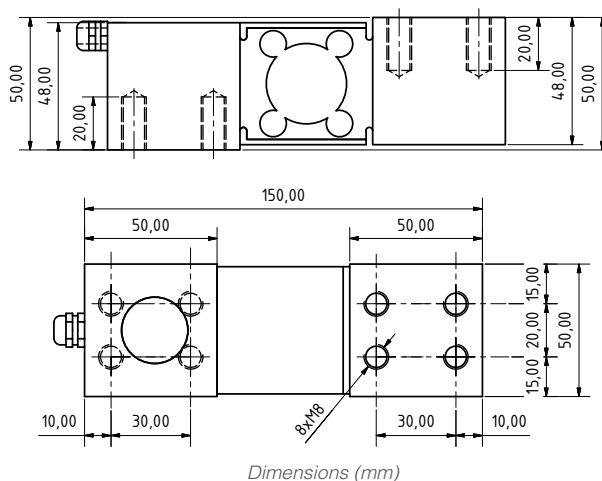
PRODUCT DESCRIPTION

- » Single-plate load cell.
- » Bending load cell.
- » Construction in stainless steel.
- » 3000 divisions OIML R60 class C.
- » Direct mounting to platform.
- » High accuracy with off-center loads.
- » Low profile.
- » IP67 tightness (EN60529).

SPECIFICATIONS

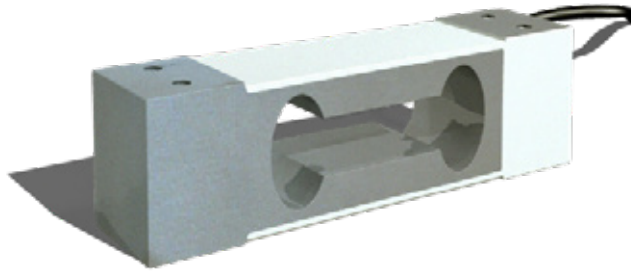
FEATURES

Nominal capacity (E_{max})	50 kg
Accuracy class	C3
Minimum operating load	0 kg
Maximum service load	150 % E_{max}
Breaking limit load	200 % E_{max}
Maximum combined error	0.017 % C_n
Repeatability error	0.015 % C_n
Effect of temperature on zero	0.01 % $C_n/5$ °C
Effect of temperature on sensitivity	0.006 % $C_n/5$ °C
Creep error	0.016 % C_n
Compensated temperature range	From -10 °C to +40 °C
Operating temperature range	From -20 °C to +50 °C
Nominal sensitivity (C_n)	2 ± 0.1 % mV/V
Nominal supply voltage	10 V
Maximum supply voltage	15 V
Input resistance	386 Ω ± 2 %
Output resistance	350 ± 3 Ω
Initial imbalance	2 % C_n
Insulation resistance	> 5000 MΩ
Maximum deformation	0,2-0,6 mm
Cable length	5 m



G1M Reference

Reference	Nominal cap. - E_{max} (kg)	OIML accuracy class n.	$Y = E_{max}/V_{min}$	Code
G1M-50	50	C3	12500	230610



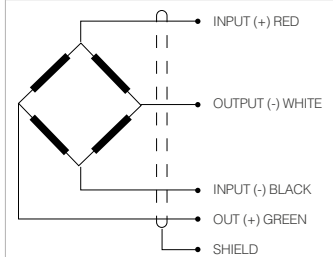
L6D



SINGLE CELL

MIN.	3 kg
MAX.	50 kg

APPLICATIONS:
Single-cell platforms
up to 250 × 350 mm.
Weight/€ scales.
Counting scales.



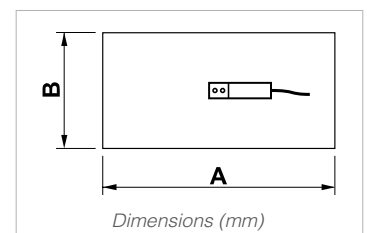
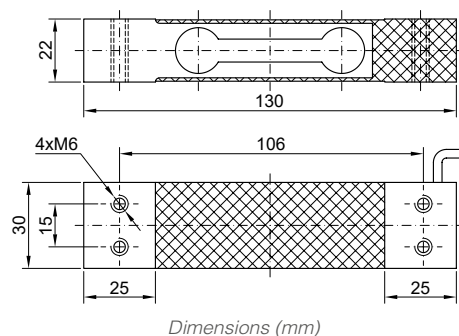
PRODUCT DESCRIPTION

- » Bending load cell.
- » Construction in anodized aluminum, sealed with silicone.
- » 3000 divisions OIML R60 class C.
- » IP65 protection.
- » High accuracy with off-center loads.

SPECIFICATIONS

FEATURES

Rated capacity (E_{max})	3, 6, 15, 20, 30, 50 kg
Accuracy class	C3
Nominal sensitivity (C_n)	2.0 ± 0.2 mV/V
Maximum number of intervals	3000
Minimum operating load	0 kg
Maximum service load	150 % E_{max}
Recommended supply voltage	10 V
Maximum supply voltage	18 V
Zero balance	$\leq \pm 2$ % RO
Input resistance	409 ± 6 Ω
Output resistance	350 ± 3.5 Ω
Insulation impedance	≥ 5000 M Ω
Compensated temperature range	From -10 °C to +40 °C
Operating temperature range	From -35 °C to +85 °C
Atmospheric protection	IP65
Maximum platform size (recommended)	250 × 350 mm
Cable length	0,4 m



Platform A × B
250 × 350

References L6D

Reference	Nominal cap. - E_{max} (kg)	OIML accuracy class n.	$Y = E_{max} / v_{min}$	Code
CLL6D-3	3	C3	10000	230357
CLL6D-6	6	C3	10000	230358
CLL6D-15	15	C3	10000	230359
CLL6D-20	20	C3	10000	230360
CLL6D-30	30	C3	10000	230361
CLL6D-50	50	C3	10000	230363

GY13 GY13L



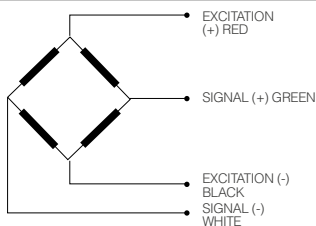
SINGLE CELL

MIN. **3 kg**

MAX. **100 kg**

APPLICATIONS:
Single-cell platforms
up to 50 kg: 250 × 350 mm.
100 kg: consult.

SUITABLE FOR LOADS
NOT CENTERED



PRODUCT DESCRIPTION

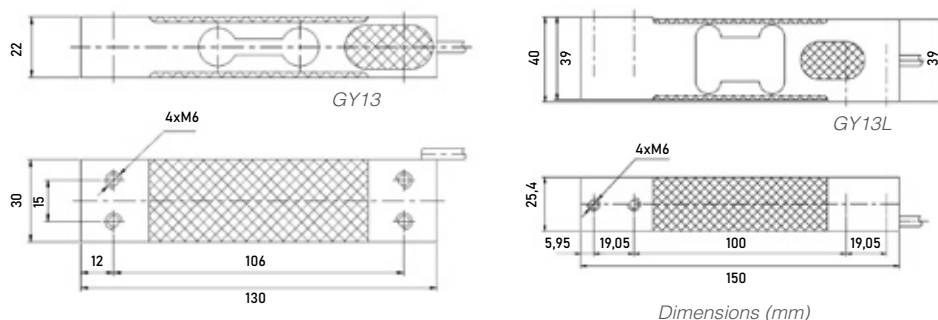
- » Bending load cell.
- » Construction in anodized aluminum.
- » Sealed with silicone.
- » IP65 protection.
- » 3000 divisions OIML R60 class C.

SPECIFICATIONS

FEATURES

	GY13		GY13L	
Nominal capacity (E_{max})	3-30* kg	30-50 kg	10-30* kg	30-100 kg
Maximum number of intervals (n)	4500	6000	5000	6000
Minimum verification interval ratio $Y = E_{max} / v_{min}$	6000	20000	14000	20000
Accuracy class	C3			
Minimum operating load	0 kg			
Maximum service load	150 % E_{max}			
Nominal output	2 mV/V $\pm$ 0.3 mV/V			
Minimum no-load return output ratio $Z = E_{max} / (2 \times DR)$	6000			
Input impedance	402 $\Omega \pm 15 \Omega$			
Operating temperature range	From -10 °C to +40 °C			
Fraction p_{Lc}	0,7			
Humidity class	CH			
Output impedance	365 $\Omega \pm 35 \Omega$			
Recommended supply voltage	10 V AC/DC			
Maximum supply voltage	15 V AC/DC			
Material	Aluminum			
Atmospheric protection	Silicone rubber			

* Value included



Dimensions (mm)

References GY13

Nominal cap. - E_{max} (kg)	Reference	OIML accuracy class	$Y = E_{max} / v_{min}$	Code
3	GY13 - 3	C3	6000	231178
5	GY13 - 5	C3	6000	231179
6	GY13 - 6	C3	6000	231180
8	GY13 - 8	C3	6000	231181
10	GY13 - 10	C3	6000	231182
15	GY13 - 15	C3	6000	231183
20	GY13 - 20	C3	6000	231184
30	GY13 - 30	C3	20000	231185
35	GY13 - 35	C3	20000	231186
40	GY13 - 40	C3	20000	231187
50	GY13 - 50	C3	20000	231188
100	-	-	-	-

References GY13L

Reference	OIML accuracy class	$Y = E_{max} / v_{min}$	Code
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
GY13L-10	C3	14000	231267
GY13L- 15	C3	14000	231268
GY13L- 20	C3	14000	231269
GY13L- 30	C3	20000	231270
-	-	-	-
-	-	-	-
GY13L- 50	C3	20000	231271
GY13L-100	C3	20000	231190



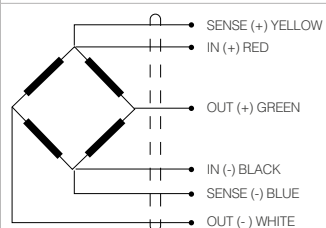
G3M



SINGLE CELL

MIN.	50 kg
MAX.	200 kg

APPLICATIONS:
Single-cell platforms
up to 500 x 500 mm.
Hoppers (bagging machines).



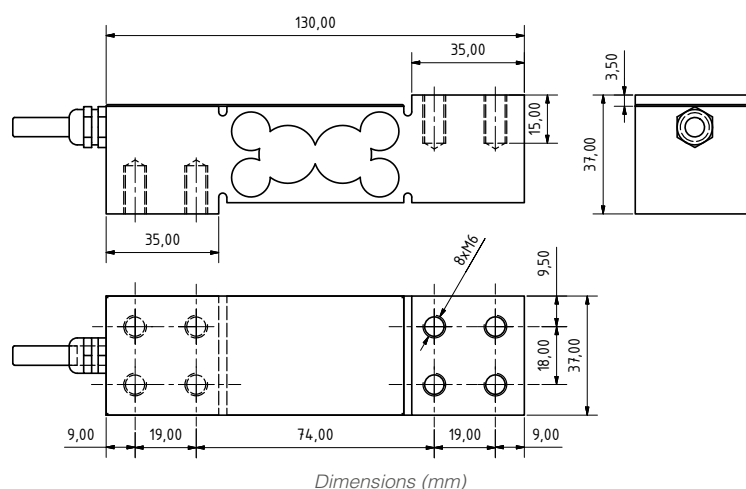
PRODUCT DESCRIPTION

- » Single-plate load cell.
- » Bending load cell.
- » Construction in stainless steel.
- » 3000 divisions OIML R60 class C.
- » Direct mounting to platform.
- » High accuracy with off-center loads.
- » Low profile.
- » IP67 tightness (EN60529).

SPECIFICATIONS

FEATURES

Nominal capacity (E_{max})	50, 75, 100, 150, 200 kg
Accuracy class	C3
Minimum operating load	0 kg
Maximum service load	150 % E_{max}
Breaking limit load	200% E_{max}
Maximum combined error	0.017 % C_n
Repeatability error	0.015 % C_n
Effect of temperature on zero	0.01 % $C_n/5$ °C
Effect of temperature on sensitivity	0.006 % $C_n/5$ °C
Creep error	0.016 % C_n
Compensated temperature range	From -10 °C to +40 °C
Operating temperature range	From -20 °C to +50 °C
Nominal sensitivity (C_n)	2 ± 0.1 % mV/V
Nominal supply voltage	10 V
Maximum supply voltage	15 V
Input resistance	386 Ω ± 2 %
Output resistance	350 ± 3 Ω
Initial imbalance	2 % C_n
Insulation resistance	> 5000 MΩ
Maximum deformation	0,2-0,6 mm
Cable length	5 m



References G3M

Reference	Nominal cap. - E_{max} (kg)	OIML accuracy class n.	$Y = E_{max}/V_{min}$	Code
G3M-50	50	C3	9433	230620
G3M-75	75	C3	9433	230621
G3M-100	100	C3	9433	230622
G3M-150	150	C3	9433	230623
G3M-200	200	C3	9433	230624

L6E

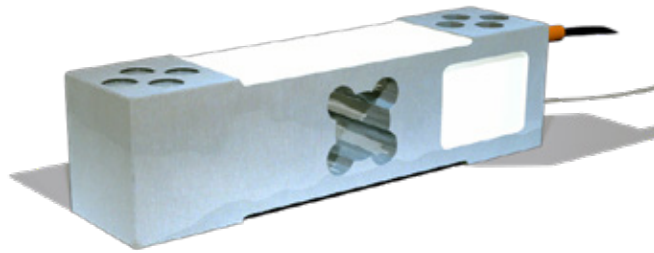
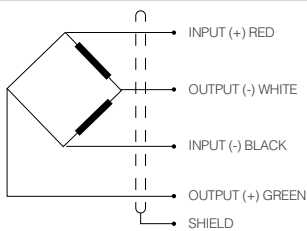
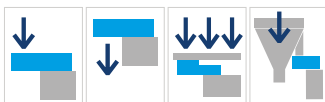


SINGLE CELL

MIN. **60 kg**

MAX. **200 kg**

APPLICATIONS:
Single-cell platforms
up to 400 × 400 mm.



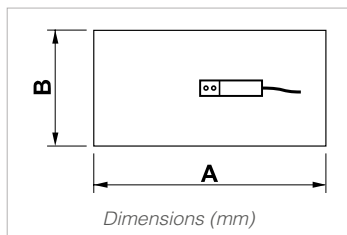
PRODUCT DESCRIPTION

- » Bending load cell.
- » Construction in anodized aluminum, sealed with silicone.
- » 3000 divisions OIML R60 class C.
- » IP65 protection.
- » High accuracy with off-center loads.

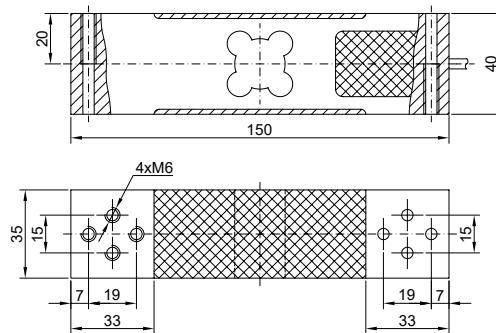
SPECIFICATIONS

FEATURES

Rated capacity (E_{max})	60, 100, 200 kg
Accuracy class	C3
Nominal sensitivity (C_n)	$2.0 \pm 0.1 \text{ mV/V}$
Maximum number of intervals	3000
Minimum operating load	0 kg
Maximum service load	150 % E_{max}
Recommended supply voltage	10 V
Maximum supply voltage	12 V
Zero balance	$\leq \pm 2 \text{ \% RO}$
Input resistance	$406 \pm 6 \text{ }\Omega$
Output resistance	$350 \pm 3 \text{ }\Omega$
Insulation impedance	$\geq 5000 \text{ M}\Omega$
Compensated temperature range	From $-10 \text{ }^\circ\text{C}$ to $+40 \text{ }^\circ\text{C}$
Operating temperature range	From $-30 \text{ }^\circ\text{C}$ to $+80 \text{ }^\circ\text{C}$
Atmospheric protection	IP65
Maximum platform size (recommended)	400 × 400 mm
Cable length	2 m



Platform A × B
400 × 400



Dimensions (mm) | Transport weight 0.8 kg.

References L6E

Reference	Nominal cap. - E_{max} (kg)	OIML accuracy class n.	$Y = E_{max}/V_{min}$	Code
L6E-60	60	C3	10000	230365
L6E-100	100	C3	10000	230366
L6E-200	200	C3	10000	230367



GY15



SINGLE CELL

MIN. **50 kg**
MAX. **300 kg**

PRODUCT DESCRIPTION

- » Bending load cell.
- » Construction in anodized aluminum, sealed with silicone.
- » 3000 divisions OIML R60 class C.
- » IP65 protection.
- » High accuracy with off-center loads.

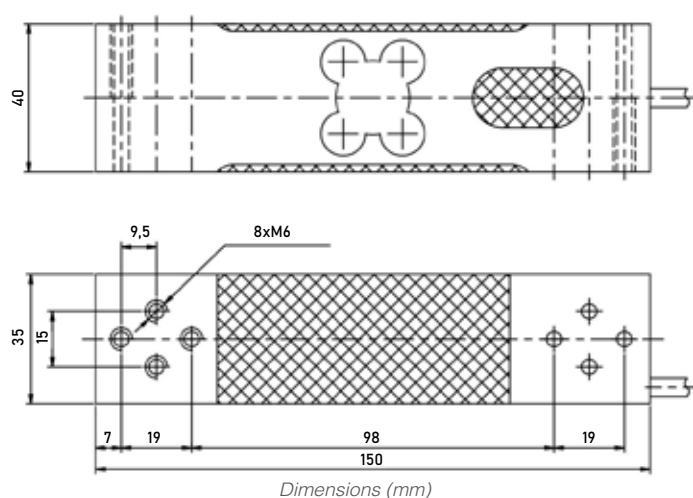
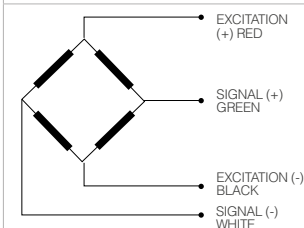
SPECIFICATIONS

FEATURES

Nominal capacity (E_{max})	50, 60, 100, 200, 300 kg
Minimum operating load	0 kg
Accuracy class	C3
Nominal output	2 mV/V
Maximum number of intervals (n)	6000
Minimum verification interval ratio $Y = E_{max}/V_{min}$	20000
Minimum no-load return output ratio $Z = E_{max}/(2 \times DR)$	6000
Input impedance	$404\Omega \pm 10\Omega$
Compensated temperature range	From -10 °C to +40 °C
Fraction p_{LC}	0,7
Humidity class	NH
Maximum service load	150 % E_{max}
Output impedance	$350\Omega \pm 3\Omega$
Recommended supply voltage	10 V AC/DC
Maximum supply voltage	15 V AC/DC
Material	Aluminum
Atmospheric protection	Silicone rubber

APPLICATIONS:
Single-cell platforms
up to 400 x 400 mm.

SUITABLE FOR LOADS
NOT CENTERED



References GY15

Reference	Nominal cap. - E_{max} (kg)	OIML accuracy class n.	$Y = E_{max}/V_{min}$	Code
GY15 - 50	50	C3	20000	231198
GY15 - 60	60	C3	20000	231199
GY15 - 100	100	C3	20000	231201
GY15 - 200	200	C3	20000	231203
GY15 - 300	300	C3	20000	231204

GY17



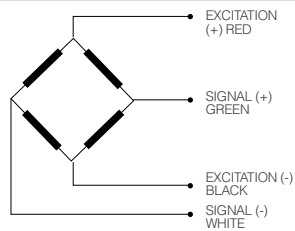
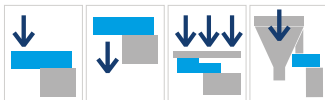
SINGLE CELL

MIN. 100 kg

MAX. 500 kg

APPLICATIONS:
Single-cell platforms
up to 600 × 600 mm.

SUITABLE FOR LOADS
NOT CENTERED



PRODUCT DESCRIPTION

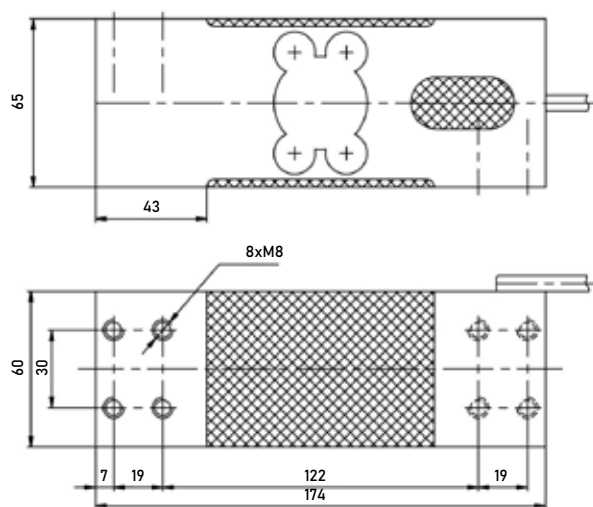
- » Load cell: single cell.
- » Aluminum construction and sealed with silicone.

- » IP65 protection.
- » 6000 divisions OIML R60 class C.
- » High accuracy with off-center loads.

SPECIFICATIONS

FEATURES

Nominal capacity (E_{max})	100, 200, 300, 500 kg	500 kg
Minimum verification interval ratio $Y = E_{max} / v_{min}$	20000	17000
Minimum operating load	0 kg	
Accuracy class	C3	
Nominal output	2 mV/V $\pm$ 0.3 mV/V	
Maximum number of intervals (n)	6000	
Minimum operating load	0 kg	
Maximum service load	150 % E_{max}	
Minimum no-load return output ratio $Z = E_{max} / (2 \times DR)$	6000	
Input impedance	404 $\Omega \pm 10 \Omega$	
Operating temperature range	From -10 °C to +40 °C	
Fraction p_{LC}	0,7	
Humidity class	NH	
Maximum service load	150 % E_{max}	
Output impedance	350 $\Omega \pm 3 \Omega$	
Recommended supply voltage	10 V AC/DC	
Maximum supply voltage	15 V AC/DC	
Material	Aluminum	
Atmospheric protection	Silicone rubber	



Dimensions (mm)

References GY17

Reference	Nominal cap. - E_{max} (kg)	OIML accuracy class n.	$Y = E_{max} / v_{min}$	Code
GY17-100	100	C3	20000	231220
GY17- 200	200	C3	20000	231222
GY17- 300	300	C3	20000	231224
GY17- 500	500	C3	17000	231225



L6G



SINGLE CELL

MIN.	100 kg
MAX.	500 kg

PRODUCT DESCRIPTION

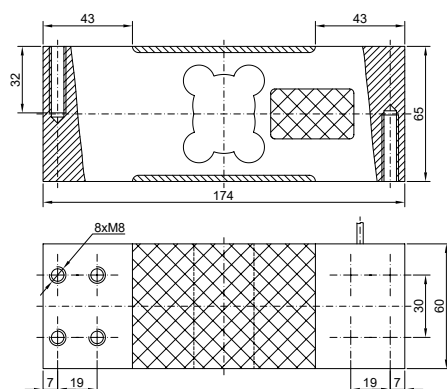
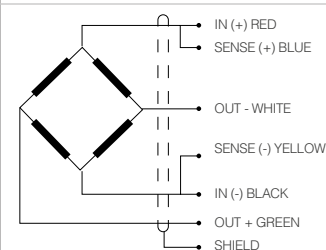
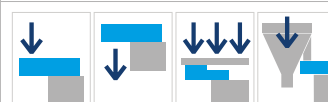
- » Load cell: single cell.
- » Aluminum construction and sealed with silicone.
- » IP65 protection.
- » 3000 divisions OIML R60 class C.
- » High accuracy with off-center loads.

SPECIFICATIONS

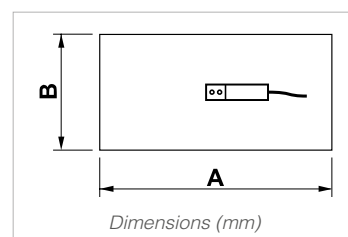
FEATURES

Nominal capacity (E_{max})	100, 200, 500 kg
Accuracy class	C3
Nominal sensitivity (C_n)	2.0 ± 0.2 mV/V
Maximum number of intervals (n)	3000
Minimum operating load	0 kg
Maximum service load	$150\% E_{max}$
Recommended supply voltage	5 - 12 V
Maximum supply voltage	18 V
Zero balance	$\leq \pm 2\%$ RO
Input resistance	$409 \pm 6 \Omega$
Output resistance	$350 \pm 3 \Omega$
Insulation impedance	≥ 5000 M Ω
Compensated temperature range	From -10 °C to +40 °C
Operating temperature range	From -35 °C to +65 °C
Atmospheric protection	IP65
Maximum platform size (recommended)	600 x 600 mm ²
Cable length	3 m

APPLICATIONS:
Single-cell platforms
up to 600 x 600 mm.



Dimensions (mm) | Transport weight 1.8 kg.



Platform A x B

600 x 600

References L6G

Reference	Nominal cap. - E_{max} (kg)	OIML accuracy class n.	$Y = E_{max} / V_{min}$	Code
L6G-100	100	C3	16000	230373
L6G-200	200	C3	16000	230375
L6G-500	500	C3	11000	230378

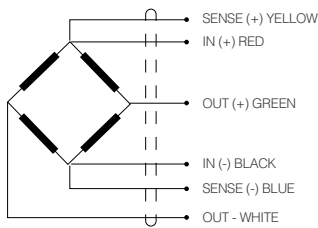
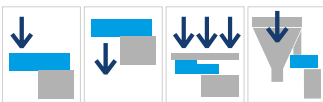
G4M



SINGLE CELL

MIN. **100 kg**
MAX. **500 kg**

APPLICATIONS:
Single-cell platforms
up to 600 × 600 mm.
Hoppers (bagging machines).



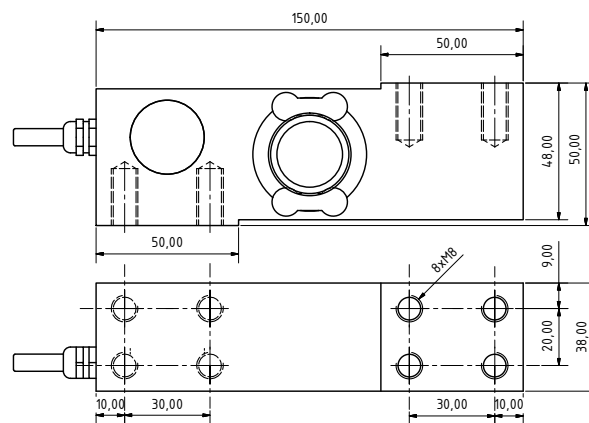
PRODUCT DESCRIPTION

- » Load cell: single cell.
- » Construction in stainless steel.
- » 3000 divisions OIML R60 class C.
- » Direct mounting to platform.
- » High accuracy with off-center loads.
- » Low profile.
- » IP69K protection (EN60529).

SPECIFICATIONS

FEATURES

Nominal capacity (E_{max})	100, 150, 200, 250, 300, 360, 500 kg
Accuracy class	C3
Minimum operating load	0 kg
Maximum service load	150 % E_{max}
Breaking limit load	200% E_{max}
Maximum combined error	$< \pm 0.017 \% C_n$
Repeatability error	$< \pm 0.015 \% C_n$
Effect of temperature on zero	0.01 % $C_n/5^{\circ}\text{C}$
Effect of temperature on sensitivity	0.006 % $C_n/5^{\circ}\text{C}$
Creep error	0.016 % C_n
Compensated temperature range	From -10 °C to +40 °C
Operating temperature range	From -20 °C to +50 °C
Nominal sensitivity (C_n)	$2 \pm 0.1 \% \text{ mV/V}$
Nominal supply voltage	10 V
Maximum supply voltage	18 V
Input resistance	$386 \Omega \pm 2 \%$
Output resistance	$350 \pm 3 \Omega$
Initial imbalance	$< \pm 2 \% C_n$
Insulation resistance	$> 5000 \text{ M}\Omega$
Maximum deformation	0,2-0,5 mm
Cable length	5 m



Dimensions (mm)

References G4M

Reference	Nominal cap. - E_{max} (kg)	OIML accuracy class n.	$Y = E_{max}/V_{min}$	Code	
G4M-100	100	C3	10000	230615	
G4M-150	150	C3	10000	230616	
G4M-200	200	C3	10000	230743	
 G4M-250	250	C3	10000	230617	
G4M-300	300	C3	10000	230618	
G4M-360	360	C3	10000	230721	
G4M-500	500	C3	10000	230619	



GY18

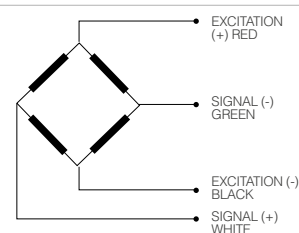


SINGLE CELL

MIN.	200 kg
MAX.	500 kg

APPLICATIONS:
Single-cell platforms.
200kg: up to 600 × 600 mm.
500kg: up to 600 × 800 mm.

SUITABLE FOR LOADS
NOT CENTERED

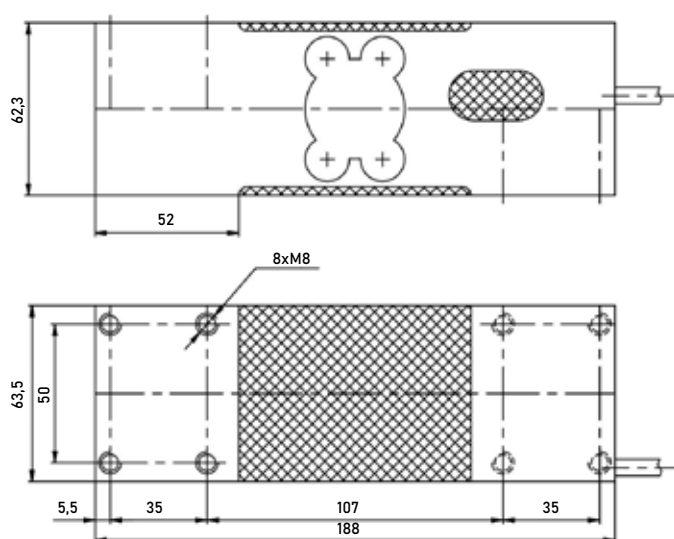


PRODUCT DESCRIPTION

- » Load cell: single cell.
- » Aluminum construction and sealed with silicone.
- » IP65 protection.
- » 3000 divisions OIML R60 class C.
- » High accuracy with off-center loads.

SPECIFICATIONS

FEATURES		
Nominal capacity (E_{max})	200 kg	500 kg
Minimum verification interval ratio $Y = E_{max} / v_{min}$	20000	17000
Minimum no-load return output ratio $Z = E_{max} / (2 \times DR)$	6000	
Accuracy class	C3	
Minimum operating load	0 kg	
Nominal output	2 mV/V $\pm$ 0.3 mV/V	
Maximum number of intervals (n)	6000	
Input impedance	404 $\Omega \pm$ 10 Ω	
Operating temperature range	From -10 °C to +40 °C	
pLC fraction	0,7	
Humidity class	NH	
Maximum service load	150 % E_{max}	
Output impedance	350 $\Omega \pm$ 3 Ω	
Recommended supply voltage	10 V AC/DC	
Maximum supply voltage	15 V AC/DC	
Material	Aluminum	
Atmospheric protection	Silicone rubber	



Dimensions (mm)

References GY18

Reference	Nominal cap. - E_{max} (kg)	OIML accuracy class n.	$Y = E_{max} / v_{min}$	Code
GY18 - 200	200	C3	20000	231231
GY18 - 500	500	C3	17000	231234

L6F



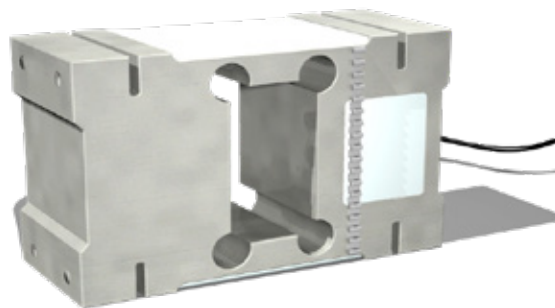
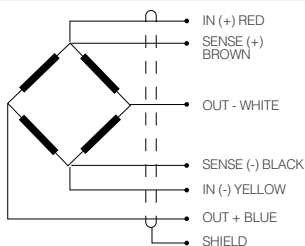
SINGLE CELL

MIN. **250 kg**

MAX. **750 kg**

APPLICATIONS:

Single-cell platforms up to 750 kg (a): up to 800 × 800 mm. 750 kg (b): up to 1200 × 1200 mm. Counting scales.



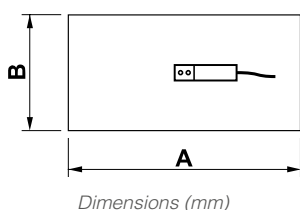
PRODUCT DESCRIPTION

- » Bending load cell.
- » Construction in anodized aluminum, sealed with silicone.
- » 3000 divisions OIML R60 class C.
- » IP65 protection.
- » High accuracy with off-center loads.

SPECIFICATIONS

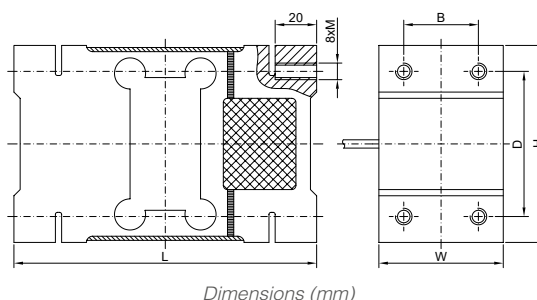
FEATURES

Nominal capacity (E_{max})	250, 500, 750 (a) kg	750 (b) kg
Recommended maximum platform size	600 × 800 mm	1200 × 1200 mm
Accuracy class	C3	
Nominal sensitivity (C_n)	$2.0 \pm 0.2 \text{ mV/V}$	
Maximum number of intervals	3000	
Minimum verification interval ratio $Y = E_{max} / v_{min}$	7000	
Minimum operating load	0 kg	
Maximum service load	$150 \% E_{max}$	
Recommended supply voltage	5 - 12 V	
Maximum supply voltage	18 V	
Zero balance	$\leq \pm 2 \% \text{ RO}$	
Output resistance	$409 \pm 6 \Omega$	
Input resistance	$350 \pm 3 \Omega$	
Insulation impedance	$\geq 5000 \text{ M}\Omega$	
Compensated temperature range	From -10 °C to +40 °C	
Operating temperature range	From -35 °C to +65 °C	
Atmospheric protection	IP65	
Cable length	3 m	



Dimensions (mm)

Platform A × B	Code
800 × 800	230370
	230371
	230372 (a)
1200 × 1200	230387 (b)



Dimensions (mm)

Type	E_{max} (kg)	L	W	H	D	B	M	Transport weight
a	250 - 750	146	60	95	70	36	M12	2,5 kg
b	750	176	76	125	95	46	M15	3 kg

References L6F

Reference	Nominal cap. - E_{max} (kg)	OIML accuracy class n.	$Y = E_{max} / v_{min}$	Code
L6F-250	250	C3	7000	230370
L6F-500	500	C3	7000	230371
L6F-750 (a)	750	C3	7000	230372
L6F-750 (b)	750	C3	7000	230387

BENDING AND SHEAR LOAD CELLS

Bending or shear load cells are ideal for 4-cell platforms, electronic or hybrid weighbridges, and weighing systems in silos, hoppers, tanks, and reactors.

They offer high precision and reliability in demanding industrial environments.

<i>Model</i>		<i>Capacity (kg)</i>
G2I	M	10-300
G34	M	15-1.500
G1i	M	50-1.500
G5Ti	M	300-2.500
G3S	M	150-5.000
G5N	M	300-5.000
G35	M	300-5.000
H8C	M	500-5.000
G5i	M	300-7.500

G2i

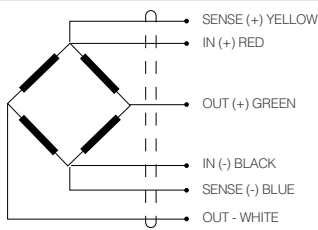


BENDING

SHEAR

MIN. **10 kg**
MAX. **300 kg**

APPLICATIONS:
Hybrid weighbridges.
Fully electronic weighbridges.
Silos – Hoppers – Tanks.
4-cell platforms.
Industrial environments.



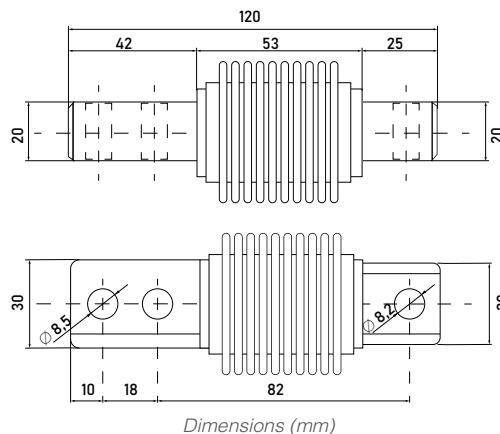
PRODUCT DESCRIPTION

- » Bending load cell.
- » Construction in stainless steel.
- » 4000 divisions OIML R60 class C.
- » Hermetic sealing laser welded.
- » IP68 protection (EN60529).

SPECIFICATIONS

FEATURES

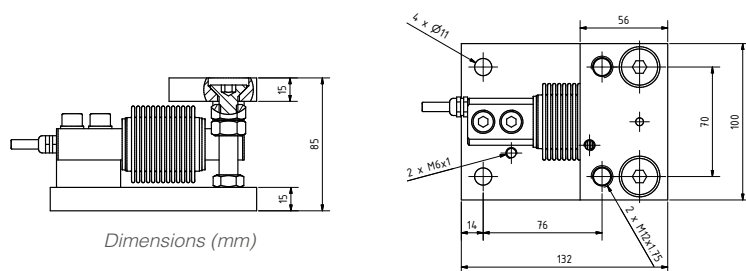
Nominal capacity (E_{max})	10, 15, 30, 50, 75, 100, 150, 200, 300 kg
Accuracy class	C4
Minimum operating load	0 kg
Maximum service load	150 % E_{max}
Breaking limit load	200 % E_{max}
Maximum combined error	$< \pm 0.013\% C_n$
Repeatability error	$< \pm 0.01\% C_n$
Effect of temperature on zero	$< \pm 0.01\% C_n / 5^\circ C$
Effect of temperature on sensitivity	$< \pm 0.006\% C_n / 5^\circ C$
Creep error	$< \pm 0.012\% C_n$
Compensated temperature range	From $-10^\circ C$ to $+40^\circ C$
Operating temperature range	From $-20^\circ C$ to $+50^\circ C$
Nominal sensitivity (C_n)	$2 \pm 0.1\% mV/V$
Nominal supply voltage	10 V
Maximum supply voltage	15 V
Input resistance	$386 \Omega \pm 2\%$
Output resistance	$350 \pm 3 \Omega$
Initial imbalance	$< \pm 2\% C_n$
Insulation resistance	$> 5000 M\Omega$
Maximum deformation	0,2-0,4 mm
Cable length	5 m



Dimensions (mm)

References G2i

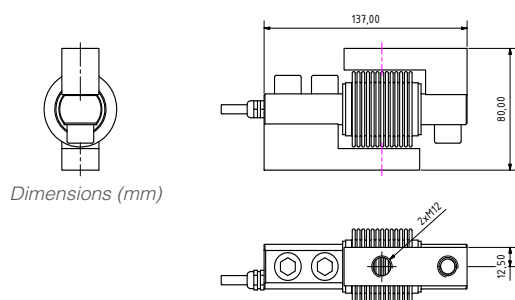
Reference	Nominal cap. - E_{max} (kg)	OIML accuracy class n.	$Y = E_{max} / v_{min}$	Code
M G2i 10	10	C4	10000	230596
M G2i 15	15	C4	10000	230595
M G2i 30	30	C4	10000	230588
G2i 50	50	C4	10000	230589
G2i 75	75	C4	10000	230590
G2i 100	100	C4	10000	230591
G2i 150	150	C4	10000	230592
M G2i 250	250	C4	10000	230593
M G2i 300	300	C4	10000	230594



Dimensions (mm)

ANTI-TIP TANK SUPPORT

Description	Code
Support for tanks with galvanized anti-tip	240479
Support for tanks with stainless steel anti-tip	240480

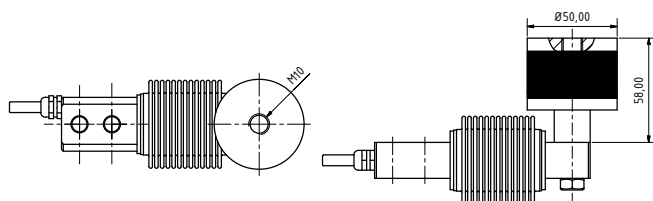


Dimensions (mm)



ACCESSORIES FOR TENSION

Reference	Description	E_{max} (kg)	Code
AC-G2i	Tension accessory for ACG2i cell	15-300	240154
ROTGM12	M12 joints		240444

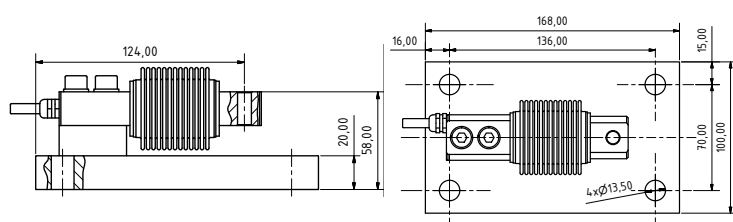


Dimensions (mm)



SILENT BLOCK

Reference	Description	Code
AC30904	Silent block	240470



Dimensions (mm)



BASE PLATE

Reference	Description	Code
AC34903	Galvanized base plate	240477
AC34903i	Stainless steel base plate	240478

G34

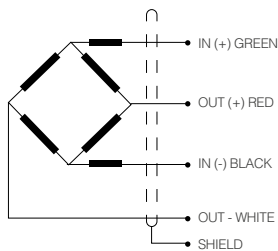


BENDING

SHEAR

MIN. **15 kg**
MAX. **1500 kg**

APPLICATIONS:
4-cell platforms.
Tanks. Hoppers.



PRODUCT DESCRIPTION

- » Bending load cell.
- » Completely in stainless steel.
- » 3000 divisions OIML R60 class C.
- » Hermetically sealed, fully welded.
- » IP68 protection (EN 60529).
- » Available in ATEX version (optional).
- » Zone 0-1-2 (gas) and 20-21-22 (dust).

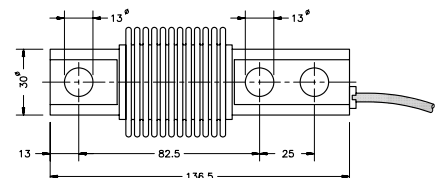
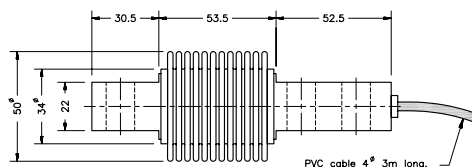
SPECIFICATIONS

FEATURES

Nominal capacity (E_{max})	15, 30, 50, 75, 100, 150, 200, 250, 300, 500, 750, 1000, 1500 kg
Accuracy class	C3
Minimum operating load	0 kg
Maximum service load	150 % E_{max}
Breaking limit load	200 % 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 °C to +40 °C
Operating temperature range	-30 - +70 °C
Nominal sensitivity (C_n)	$2 \pm 0.1 \% mV/V^{(2)}$
Nominal supply voltage	10 V
Maximum supply voltage	15 V
Input resistance	400 ± 20
Output resistance	350 ± 3
Initial imbalance	$< \pm 2$
Insulation resistance	$> 5000 M\Omega$
Maximum deformation	0,2-0,4 mm
Cable length	3 m

Note 1: combined error (non-linearity and hysteresis).

Note 2: $*E_{max} \leq 20 kg, 2 \pm 0.2 \%$.



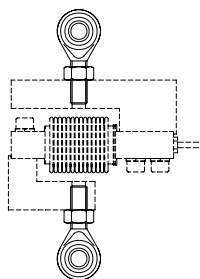
Dimensions (mm) | Transport weight 500 g.

References G34

Reference	Nominal cap. - E_{max} (kg)	OIML accuracy class n.	$Y = E_{max} / v_{min}$	Code	
G34 - 15	15	C3	10000	230705	
G34 - 30	30	C3	10000	230304	
G34 - 50	50	C3	10000	230305	
G34 - 75	75	C3	10000	230306	
G34 - 100	100	C3	10000	230307	
G34 - 150	150	C3	10000	230308	
G34 - 200	200	C3	10000	230309	
G34 - 250	250	C3	10000	230311	
G34 - 300	300	C3	10000	230312	
G34 - 500	500	C3	10000	230313	
G34 - 750	750	C3	10000	230314	
G34 - 1000	1000	C3	10000	230315	
G34 - 1500	1500	C3	10000	230316	

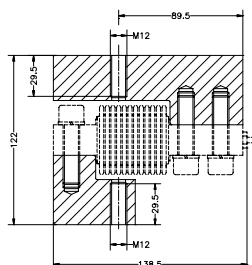
ACCESSORIES

Reference	Description	Code
340ATEX	ATEX option	-

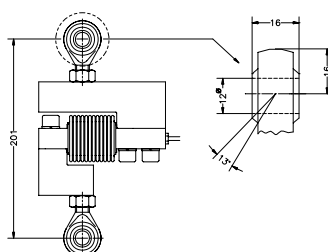


To achieve maximum accuracy, we recommend mounting with spherical bearings.

Acc. 34905



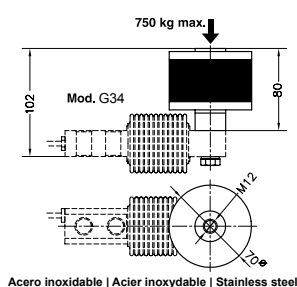
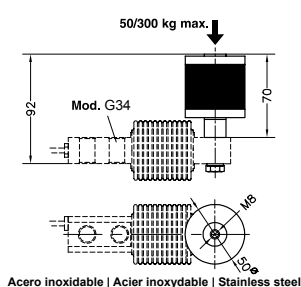
Acc. 31903



Dimensions (mm) | Transport weight AC30901: 1.9 kg - AC31903: 0.4 kg.

ACCESSORIES FOR TENSION

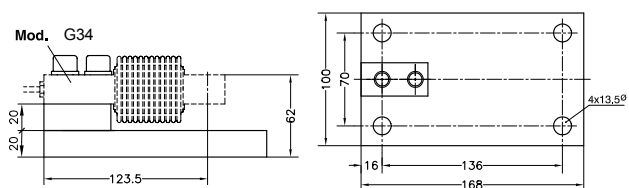
Reference	Description	Code
AC34905	Accessories for G34 tension load cell	240009
AC31903	Spherical bearings for G34 tension accessories	240001



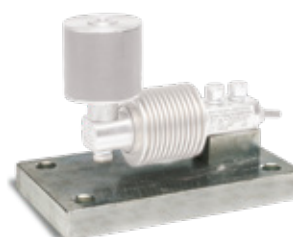
Dimensions in (mm) | Transport weight 0.5 kg.

SILENT BLOCK

Reference	Description	Code
AC30904	Silent block support, up to 50 kg (blue)	240004
AC30905	Silent block support, up to 300 kg	240005
AC34906	Silent block support, up to 750 kg	240010



Dimensions (mm) | Transport weight 3 kg.



BASE PLATE

Reference	Description	Code
AC34903	Base plate in galvanized steel	240007
AC34903i	Base plate in stainless steel	240008

G1i

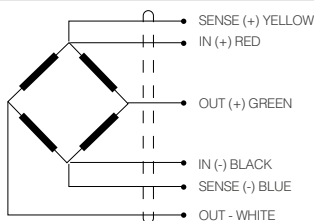


BENDING

SHEAR

MIN. **50 kg**
MAX. **1500 kg**

APPLICATIONS:
Hybrid weighbridges.
Fully electronic weighbridges.
Silos – Hoppers – Tanks.
4-cell platforms.
Industrial environments.



PRODUCT DESCRIPTION

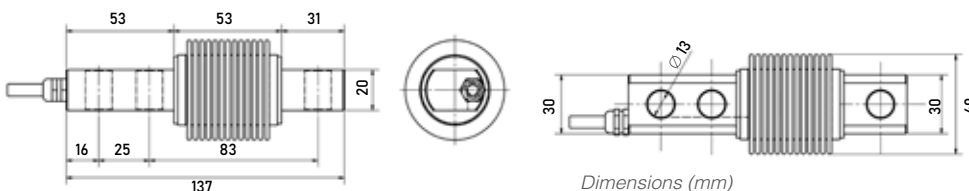
- » Bending/shear load cell.
- » 4000 divisions OIML R60 class C.
- » Construction in stainless steel.
- » Hermetic sealing laser welded.
- » IP69K protection (EN60529).



SPECIFICATIONS

FEATURES

Nominal capacity (E_{max})	50, 75, 100, 150, 200, 300, 500, 750, 1000, 1500 kg
Accuracy class	C4
Minimum operating load	0 kg
Maximum service load	150 % E_{max}
Breaking limit load	200% E_{max}
Maximum combined error	$< \pm 0.017 \% C_n$
Repeatability error	$< \pm 0.015 \% C_n$
Effect of temperature on zero	$< \pm 0.01 \% C_n / 5^{\circ}C$
Effect of temperature on sensitivity	$< \pm 0.006 \% C_n / 5^{\circ}C$
Creep error	$< \pm 0.016 \% C_n$
Compensated temperature range	From $-10^{\circ}C$ to $+40^{\circ}C$
Operating temperature range	From $-20^{\circ}C$ to $+50^{\circ}C$
Nominal sensitivity (C_n)	$2 \pm 0.1 \% mV/V$
Nominal supply voltage	10 V
Maximum supply voltage	15 V
Input resistance	$386 \Omega \pm 2 \%$
Output resistance	$350 \pm 3 \Omega$
Initial imbalance	$< \pm 2 \% C_n$
Insulation resistance	$> 5000 M\Omega$
Maximum deformation	0,2-0,4 mm
Cable length	5 m



References G1i

Reference	Nominal cap. - E_{max} (kg)	OIML accuracy class n.	$Y = E_{max} / V_{min}$	Code
G1i50	50	C4	10000	230640
G1i75	75	C4	10000	230641
G1i100	100	C4	10000	230642
G1i150	150	C4	10000	230643
G1i200	200	C4	10000	230644
G1i300	300	C4	10000	230689
G1i500	500	C4	10000	230690
G1i750	750	C4	10000	230691
G1i1000	1000	C4	10000	230692
G1i1500	1500	C4	10000	230693

G1i accessories

Description	Code
Accessories for Tension (15 - 300 kg)	240471
Accessories for Tension (500 - 1000 kg)	240472
Silent block support (15 - 300 kg)	240467
Silent block support (500 kg)	240468
Silent block support (750 - 1000 kg)	240469
Galvanized base plate	240473
Stainless steel base plate	240474
Support for tanks with galvanized anti-tip	240475
Support for tanks with stainless anti-tip	240476

ACCESSORIES



For Tension



Silent block base plate (AC34903)

PRODUCT DESCRIPTION

- » Option T for G5i.
- » Shear load cell.
- » 3000 divisions OIML R60 class C.
- » Construction in stainless steel.
- » Hermetic sealing laser welded.
- » Stainless steel elastic support.
- » IP69K protection (EN60529).



G5Ti



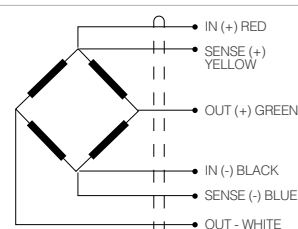
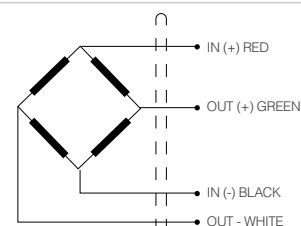
BENDING

SHEAR

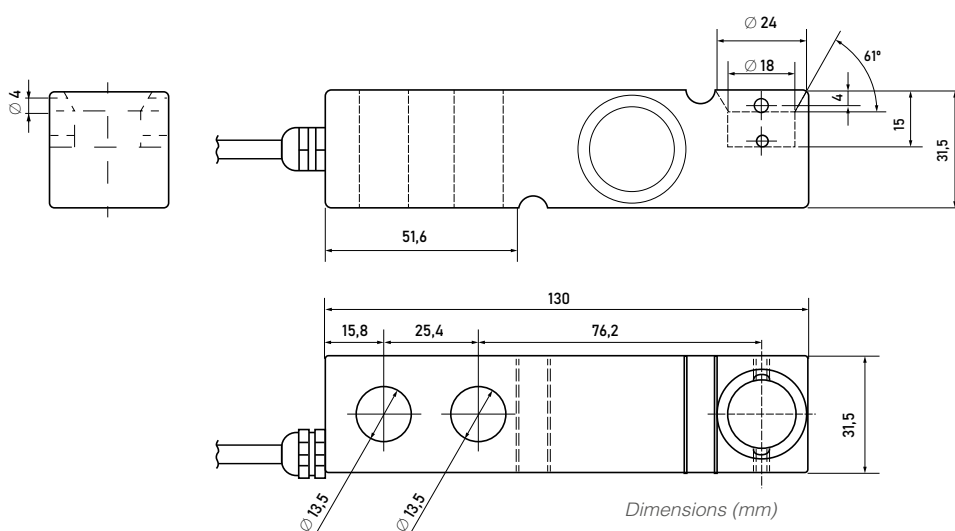
MIN. **300 kg**
MAX. **2500 kg**

APPLICATIONS:

4-cell platforms.
Reactors, tanks and hoppers.



See the section on accessories for more options



References G5Ti

Reference	Nominal cap. - E_{max} (kg)	OIML accuracy class n.	$Y = E_{max} / \nu_{min}$	Code
G5Ti 0.30	300	C3	10000	230843
G5Ti 0.50	500	C3	10000	230844
G5Ti 0.75	750	C3	10000	230845
G5Ti 1.0	1000	C3	10000	230846
G5Ti 1.5	1500	C3	10000	230847
G5Ti 2.0	2000	C3	10000	230848
G5Ti 2.5	2500	C3	10000	230849

G3S

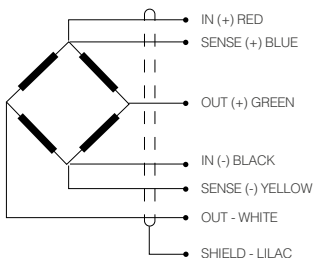
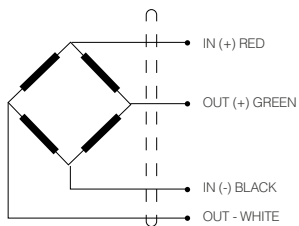


BENDING

SHEAR

MIN. 150 kg
MAX. 5000 kg

APPLICATIONS:
4-cell platforms.
Reactors, tanks and hoppers.



PRODUCT DESCRIPTION

» Shear cell.

» Versions:

» **G3S (150 kg):** completely in nickel-plated steel. Sealed with silicone IP68.

» **G3S (3000 - 5000 kg):** completely in nickel-plated steel. Hermetically sealed, fully welded IP68.

» 3000 divisions OIML R60 class C.

» Corner pre-adjustment optimized for multicell systems.

SPECIFICATIONS

FEATURES

Nominal capacity (E_{max}) 150, 300, 750, 1500, 2000, 2500, 3000, 5000 kg

Accuracy class C3

Minimum operating load 0 kg

Maximum service load 150 % E_{max}

Breaking limit load 200 % E_{max}

Compensated temperature range From -10 °C to +40 °C

Operating temperature range From -20 °C to +70 °C

Nominal sensitivity (C_n) 2 mV/V (150-750 kg) 3 mV/V (1500-5000)

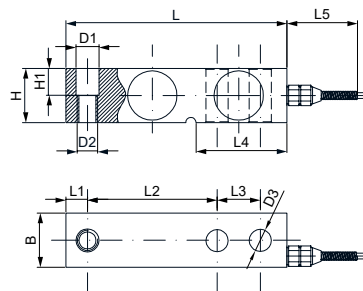
Recommended supply voltage 10 - 12 V

Input resistance 400 ± 20 Ω

Output resistance 352 ± 3 Ω

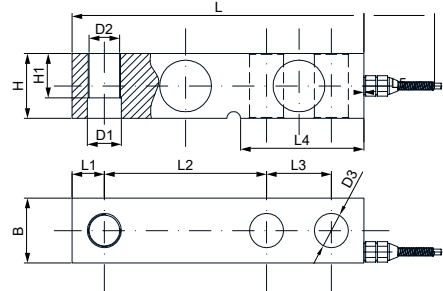
Insulation resistance > 5000 MΩ

LOAD CELLS G3S 150-2500 kg



Dimensions (mm)

LOAD CELLS G3S 3000 -5000 kg



E_{max} (kg)	L	L1	L2	L3	L4	L5	H/B	H1	D1	D2	D3
150 - 2500	130	12,7	76,2	25,4	53,5	42	31,8	20	Ø 13	M12	Ø 13
3000 - 5000	171,5	19	95,3	38,1	72,5	42	38,1	26	Ø 20	M18x1.5	Ø 20

G3S references

Reference	Nominal cap. - E_{max} (kg)	OIML accuracy class n.	$Y = E_{max}/V_{min}$	Code
G3S-150	150	C3	10000	230056
G3S-300	300	C3	10000	230057
G3S-750	750	C3	10000	230058
G3S-1500	1500	C3	10000	230059
G3S-2000	2000	C3	10000	230060
G3S-2500	2500	C3	10000	230062
G3S-3000	3000	C3	10000	230064
G3S-5000	5000	C3	10000	230066



G5N

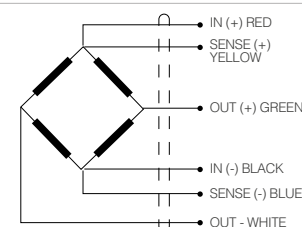
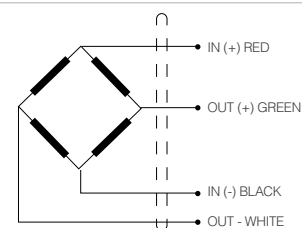


BENDING

Shear

MIN. **300 kg**
MAX. **3000 kg**

APPLICATIONS:
4-cell platforms. Reactors, tanks and hoppers.



See the section on accessories for more options

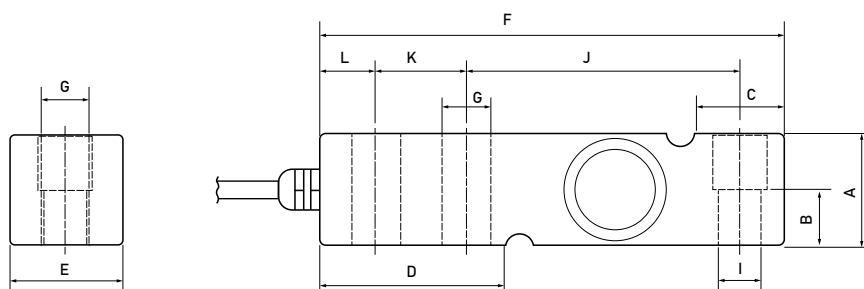
PRODUCT DESCRIPTION

- » Shear Load cell.
- » Nickel-plated steel construction.
- » Hermetic sealing by laser welding.
- » IP68 protection (EN60529).

SPECIFICATIONS

FEATURES

Nominal capacity (E_{max})	300, 500, 750, 1000, 1500, 2000, 2500, 3000, 5000 kg
Accuracy class	C3
Minimum operating load	0 kg
Maximum service load	125 % E_{max}
Breaking limit load	150 % E_{max}
Maximum combined error	0.7 % N.L
Repeatability error	$< \pm 0.015 \% C_n$
Temperature effect	$< \pm 0.01 \% C_n / 5^{\circ}C$
At the Zero of sensitivity	$< \pm 0.006 \% C_n / 5^{\circ}C$
Creep error (30 minutes)	$< \pm 0.016 \% C_n$
Compensated temperature range	From $-10^{\circ}C$ to $+40^{\circ}C$
Operating temperature range	From $-20^{\circ}C$ to $+70^{\circ}C$
Supply voltage	5 to 12 V
Input resistance	383 Ω or 1k $\Omega \pm 2 \Omega$
Output resistance	350 Ω or 1k $\Omega \pm 2 \Omega$
Nominal sensitivity (C_n)	2 mV/V
Insulation resistance	$> 5000 M\Omega$
Cable length	5 m



Dimensions (mm)

E_{max} (kg)	A	B	C	D	E	F	G	I	J	K	L
300 - 2500*	31,5	15,5	24,6	51,6	31,5	130	$\varnothing 13,5$	M12	76,2	25,4	15,8
3000 - 5000	38,1	12	--	72	38,1	171,5	20	M18	95,4	38,1	19

G5N references

Reference	Nominal cap. - E_{max} (kg)	OIML accuracy class n.	$Y = E_{max} / v_{min}$	Code
G5N 0.30	300	C3	10000	230947
G5N 0.50	500	C3	10000	230948
G5N 0.75	750	C3	10000	230949
G5N 1.0	1000	C3	10000	230950
G5N 1.5	1500	C3	10000	230951
G5N 2.0	2000	C3	10000	230952
G5N 2.5	2500	C3	10000	230953
G5N 3.0	3000	C3	10000	230954
G5N 5.0	5000	C3	10000	230955
G5N 2.0 1k Ω	2000	C3	10000	230959
*G5N 3.0 1k Ω	3000	C3	10000	230961

*3t 1k Ω has small dimensions.

G35

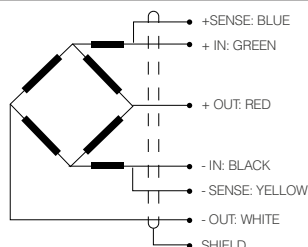
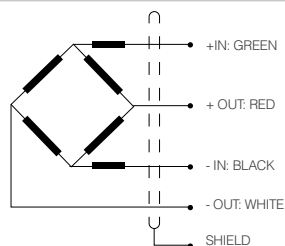


BENDING

SHEAR

MIN. **300 kg**
MAX. **5000 kg**

APPLICATIONS:
4-cell platforms.
Reactors, tanks and hoppers.



PRODUCT DESCRIPTION

- » Shear cell.
- » 3000 divisions OIML R60 class C.
- » Corner pre-adjustment optimized for multicell systems.
- » Available in ATEX version Ex (optional). Zone 0-1-2 (gas) and 20-21-22 (dust).
- » Versions:
 - » **G35i (300 - 5000 kg)**: entirely in stainless steel. Hermetically sealed, fully welded, IP69K.
 - » **G35a (300 - 5000 kg)**: stainless steel construction. Silicone sealing, IP66 (EN 60529).
 - » **G35N (300 - 2000 kg)**: nickel-plated steel construction. Silicone sealing, IP66 (EN 60529).



SPECIFICATIONS

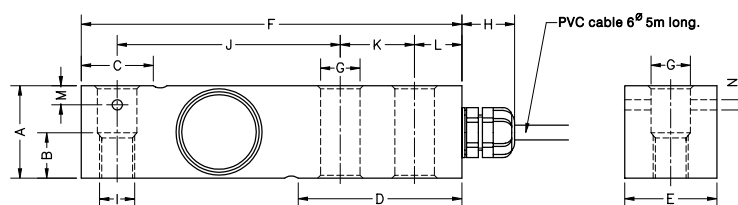
FEATURES

Nominal capacity ($E_{\max}$)	300, 500, 750, 1000, 1500, 2000, 3000, 5000 kg
Accuracy class	C3
Minimum operating load	0 kg
Service loads	150 % $E_{\max}$
Breaking limit load	200 % $E_{\max}$
Combined error	$< \pm 0.017 \% C_n^{(1)}$
Repeatability error	$< \pm 0.015 \% C_n$
Temperature effect	$< \pm 0.01 \% C_n/5 ^\circ\text{K}$
At zero in sensitivity	$< \pm 0.006 \% C_n/5 ^\circ\text{K}$
Creep error (30 minutes)	$< \pm 0.016 \% C_n$
Compensated temperature range	From -10 °C to +40 °C
Operating temperature range	From -20 °C to +70 °C
Nominal sensitivity (C_n)	2 mV/V ⁽²⁾
Nominal supply voltage	10 V
Maximum supply voltage	15 V
Input resistance	400 $\pm$ 20 Ω
Output resistance	350 $\pm$ 3 Ω
Initial imbalance	$< \pm 2 \% C_n$
Insulation resistance	$> 5000 \text{ M}\Omega$
Maximum deformation	0,2-0,4 mm
Cable length	5 m

Note 1: combined error (non-linearity and hysteresis).

Note 2: corner pre-adjustment optimized to $\pm 0.05\%$ by calibrating the output current.

Mod. G35i/a (300...5000kg) Mod. G35n (300...2000kg)



Dimensions (mm)

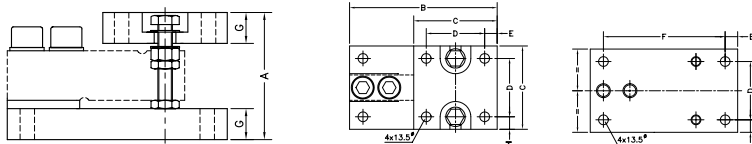
$E_{\max}$ (kg)	Transport weight	A	B	C	D	E	F	$\varnothing$	G	H	I	J	K	L	M	$\varnothing$	N
300-2000	0,9 kg	31,5	15	24,6	56	31,5	130	13,5	18	M12	76,2	25,4	15,8	6,5	3,5		
3000-5000	2,2 kg	48	---	37	76	41,5	171,5	20,5	18	---	95,2	38,1	19	---	---		

G35 references

Nominal cap. - $E_{\max}$ (kg)	OIML accuracy class n.	$Y = E_{\max}/v_{\min}$	G35i Code	G35a Code	G35N Code
300	C3	10000	230225	230247	230255
500	C3	10000	230227	230248	230256
750	C3	10000	230230	230249	230257
1000	C3	10000	230232	230250	230258
1500	C3	10000	230235	230251	230259
2000	C3	10000	230238	230252	230260
3000	C3	10000	230242	230253	-
5000	C3	10000	230245	230254	-

ACCESSORIES

Reference	Description	Code
350 ATEX	ATEX option (only for the "i" version)	-

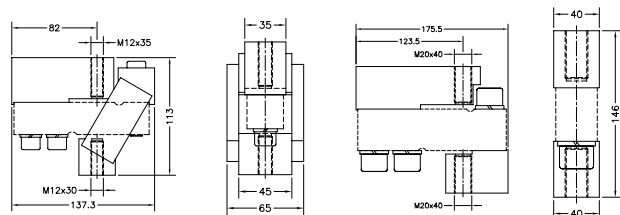


Dimensions (mm)

Reference	Code	E_{max} (t)	Transport weight	A	B	C	D	E	F	G	H
AC35902/AC35902i	240012/240013	0,3 - 2	5 kg	94	168	100	70	16	136	20	15
AC35903/AC35903i	240014/240015	3 - 5	10 kg	123	212	120	84	18	175	30	18

SUPPORT FOR TANKS WITH ANTI-TIP

Load cells	Zinc-plated steel	Code	Stainless steel	Code
G35 0.3 - 2 t	AC35902	240012	AC35902i	240013
G35 3 - 5 t	AC35903	240014	AC35903i	240015

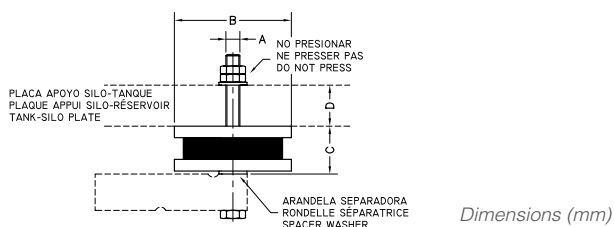


Dimensions (mm)

Accessory	E_{max} (t)	Breaking limit load	Transport weight
AC35907	0,3 - 2	150 % E_{max}	5 kg
AC35908	3 - 5	150 % E_{max}	10 kg

ACCESSORIES FOR TENSION IN ZINC-PLATED STEEL, G35 LOAD CELLS

Load cells	Zinc-plated steel	Code
G35 0.3 - 2 t	AC35907	240115
G35 3 - 5 t	AC35908	240155

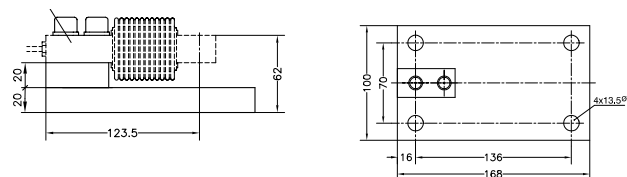


Dimensions (mm)

Reference	Code	E_{max} (t)	Transport weight	A	Ø B	C	D
AC35909/AC35909i	240016/240017	0,3 - 2	2 kg	M12	100	41	0 - 35
AC35910/AC35910i	240018/240019	3 - 5	3,2 kg	M20	150	44	10 - 35

SILENT BLOCK

Load cells	Zinc-plated steel	Code	Stainless steel	Code
G35 0.3 - 2 t	AC35909	240016	AC35909i	240017
G35 3 - 5 t	AC35910	240018	AC35910i	240019



Dimensions (mm)

Reference	Code	E_{max} (t)	Transport weight	A	B	C	D	E	F	G	H	I	J	H
AC35911/ AC35911i	240020/240021	0,3 - 2	3,2 kg	20	20	71,5	168	136	16	70	100	101,6	117,6	15
AC35912/ AC35912i	240022/240023	3 - 5	6,5 kg	20	30	98	212	175	19	84	120	133,3	152,3	18

BASE PLATE

Load cells	Zinc-plated steel	Code	Stainless steel	Code
G35 0.3 - 2 t	AC35911	240020	AC35911i	240021
G35 3 - 5 t	AC35912	240022	AC35912i	240023

H8C

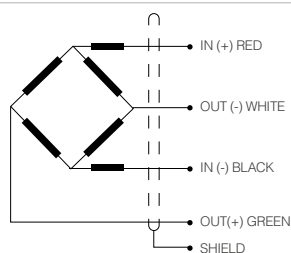


BENDING

SHEAR

MIN. **500 kg**
MAX. **5000 kg**

APPLICATIONS:
4-cell platforms.
Reactors, tanks and hoppers.



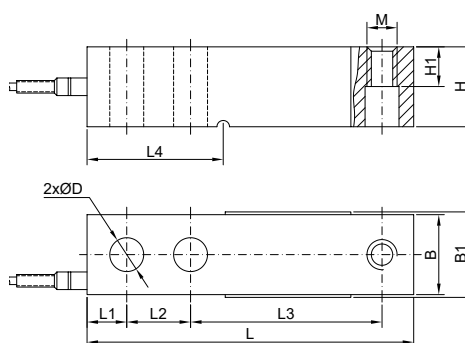
PRODUCT DESCRIPTION

- » Shear cell.
- » Nickel-plated steel construction.
- » 3000 divisions OIML R60 class C.
- » Silicone sealing.
- » IP67 protection.

SPECIFICATIONS

FEATURES

Nominal capacity (E_{max})	500, 1000, 1500, 2000, 3000, 5000 kg
Accuracy class	C3
Nominal sensitivity (C_n)	3.0 ± 0.003 mV/V
Maximum number of intervals of the load cell	3000
Minimum verification interval ratio $Y = E_{max}/V_{min}$	10000
Minimum operating load	0 kg
Maximum service load	120 % E_{max}
Recommended supply voltage	10 V
Maximum supply voltage	15 V
Zero balance	$\leq \pm 1$ % RO
Input resistance	350 ± 3.5 Ω
Output resistance	350 ± 3.5 Ω
Insulation impedance	≥ 5000 Ω
Compensated temperature range	From -10 °C to +40 °C
Operating temperature range	From -30 °C to +80 °C
Cable length	5 m



Dimensions (mm)

E_{max} (kg)	Transport weight	L	L1	L2	L3	L4	H	H1	B	B1	Ø D	M
500 - 1500	1 kg	130	15,8	25,4	76,2	54,2	31,8	15,8	31,8	34	13,5	M12
2000 - 5000	2,5 kg	171,5	19,1	38,71	95,3	77,2	38,1	18,8	38,1	40	19,8	M18

H8C References

Reference	Nominal cap. - E_{max} (kg)	OIML accuracy class n.	$Y = E_{max}/V_{min}$	Code
H8C-500	500	C3	20000	230339
H8C-1000	1000	C3	20000	230340
H8C-1500	1500	C3	20000	230341
H8C-2000	2000	C3	20000	230342
H8C-3000	3000	C3	18000	230343
H8C-5000	5000	C3	18000	230344



G5i

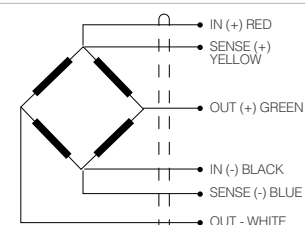
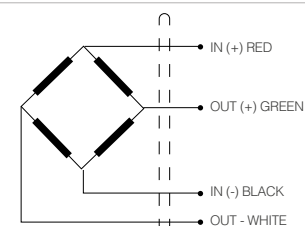


BENDING

SHEAR

MIN. **300 kg**
MAX. **7500 kg**

APPLICATIONS:
4-cell platforms. Reactors, tanks and hoppers.



See the section on accessories for more options

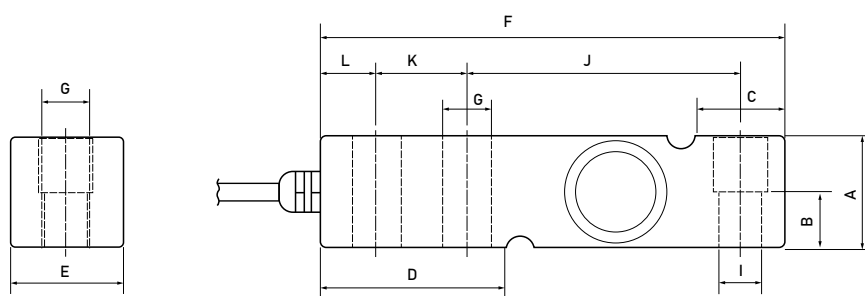
PRODUCT DESCRIPTION

- » Shear load cell.
- » 3000 divisions OIML R60 class C.
- » Construction in stainless steel.
- » Hermetic sealing laser welded.
- » IP68K tightness.

SPECIFICATIONS

FEATURES

Nominal capacity (E_{max})	300, 500, 750, 1000, 1500, 2000, 2500, 3000, 5000, 7500 kg
Accuracy class	C3
Minimum operating load	0 kg
Maximum service load	125 % E_{max}
Breaking limit load	150 % E_{max}
Maximum combined error	0.7 % N.L.
Repeatability error	$< \pm 0.015 \% C_n$
Effect of temperature on zero	$< \pm 0.01 \% C_n / 5^{\circ}C$
Effect of temperature on sensitivity	$< \pm 0.006 \% C_n / 5^{\circ}C$
Creep error (30 minutes)	$< \pm 0.016 \% C_n$
Compensated temperature range	From $-10^{\circ}C$ to $+40^{\circ}C$
Operating temperature range	From $-20^{\circ}C$ to $+70^{\circ}C$
Maximum supply voltage	18 V
Input resistance	$383 \Omega \pm 2 \%$ or $1100 \Omega \pm 2 \%$
Output resistance	$350 \pm 3 \Omega$ or $1000 \pm 3 \Omega$
Nominal sensitivity (C_n)	2 mV/V $\pm 1 \%$
Insulation resistance	$> 5000 M\Omega$
Cable length	5 m



Dimensions (mm)

E_{max} (kg)	A	B	C	D	E	F	G	I	J	K	L
300 - 2500	31,5	15,5	24,6	51,6	31,5	130	13,5	M12	76,2	25,4	15,8
3000 - 7500	38,1	12	--	72	38,1	171,5	20	M18	95,4	38,1	19

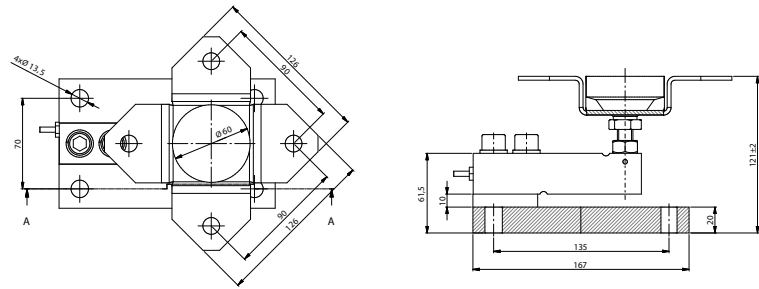
G5i References

Reference	Nominal cap. - E_{max} (kg)	OIML accuracy class n.	$Y = E_{max} / v_{min}$	Code
G5i 0.30	300	C3	10000	230828
G5i 0.50	500	C3	10000	230829
G5i 0.75	750	C3	10000	230830
G5i 1.0	1000	C3	10000	230831
G5i 1.5	1500	C3	10000	230832
G5i 2.0	2000	C3	10000	230833
G5i 2.5	2500	C3	10000	230834
G5i 3.0	3000	C3	10000	230835
G5i 5.0	5000	C3	10000	230836
G5i 7.5	7500	C3	10000	230837

ACCESSORIES

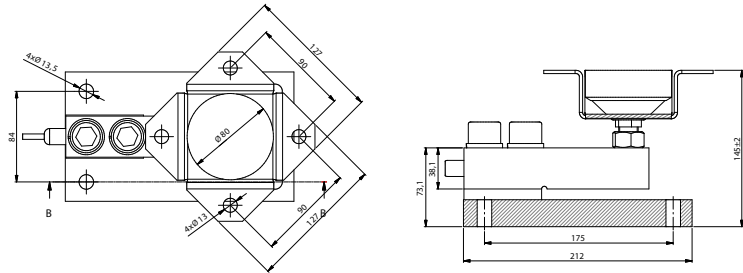
G5I-G5TI-G5N

G5i (0.3 - 2.5 t)

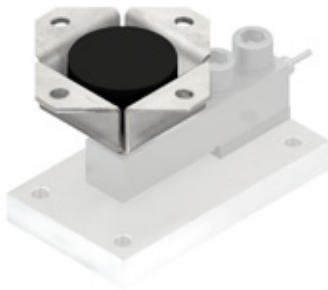


Dimensions (mm)

G5i (3 - 7.5 t)



Dimensions (mm)

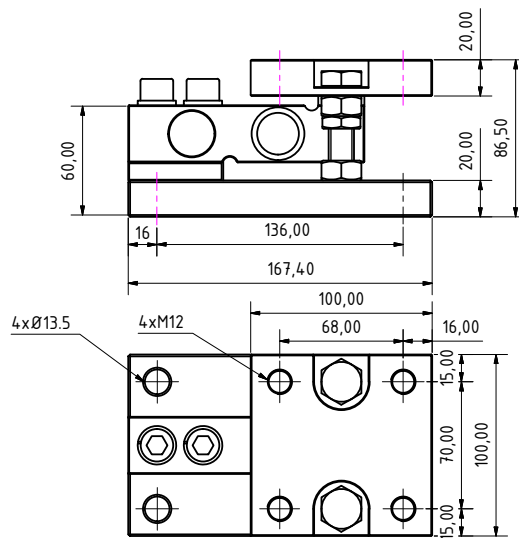


G5I-G5TI-G5N ACCESSORIES | ADJUSTABLE ANTI-TIP TOP PLATE

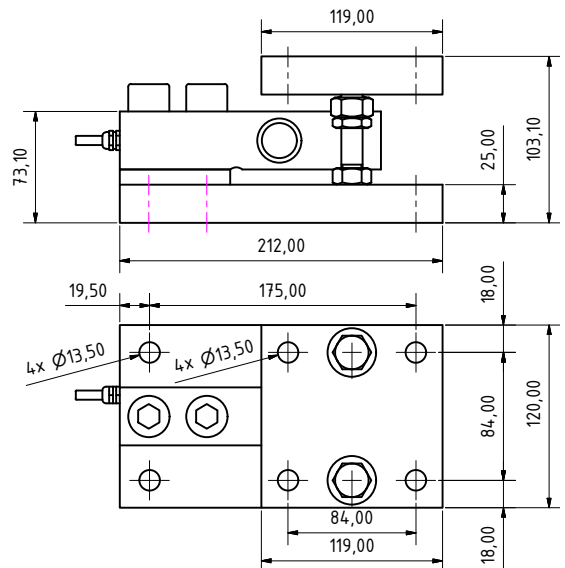
Load cells	Description	Code	Description	Code
0.3 - 2.5 t	Stainless steel anti-tip top plate	240514	M12 foot	240064
3 - 7.5 t	Stainless steel anti-tip top plate	240515	M18 foot	240113

Note: requires the foot indicated in the table.

LOAD CELLS AC35902/AC35902i



LOAD CELLS AC35903/AC35903i



Dimensions (mm)



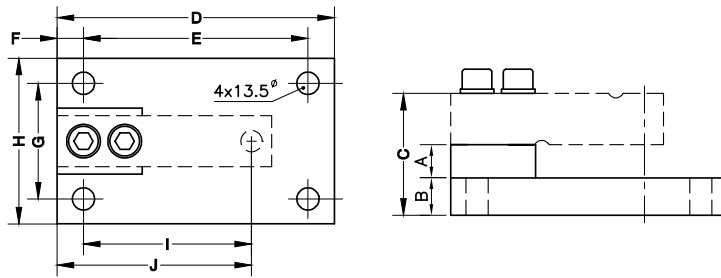
Ref	#Code	E _{max} (t)	Transport weight	Cell fastening
AC35902/AC35902i	240012/240013	0.3 - 2.5 t	5 kg	2 × 20.4
AC35903/AC35903i	240014/240015	3 - 7.5 t	10 kg	2 × 21.5

FINISHES G5I-G5TI-G5N | SUPPORT FOR TANKS WITH ANTI-TIP

Load cells	Zinc-plated steel	Code	Stainless steel	Code
0.3 - 2 t	ACG4IZ-i	240152	ACG5I-1	240153
3 - 7.5 t	ACG5IZ-2	240157	ACG5I-2	240158

ACCESSORIES

G5I-G5TI-G5N

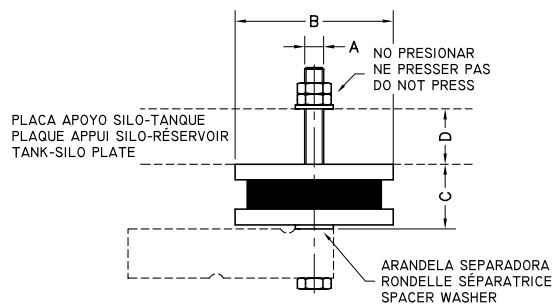


Dimensions (mm)

Reference	Code	E _{max} (t)	Weight transport	Cell fastening	A	B	C	D	E	F	G	H	I	J
AC35911/ AC35911i	240020/ 240021	0,3 - 2,5	3,2 kg	2 × 20,4	20	20	71,5	168	136	16	70	100	101,6	117,6
AC35912/ AC35912i	240022/ 240023	3 - 7,5	6,5 kg	2 × 21,5	20	30	98	212	175	19	84	120	133,3	152,3

FINISH G5I-G5TI-G5N | BASE PLATE

Load cells	Zinc-plated steel	Code	Stainless steel	Code
0.3 - 2.5 t	AC35911	240020	AC35911i	240021
3 - 7.5 t	AC35912	240022	AC35912i	240023

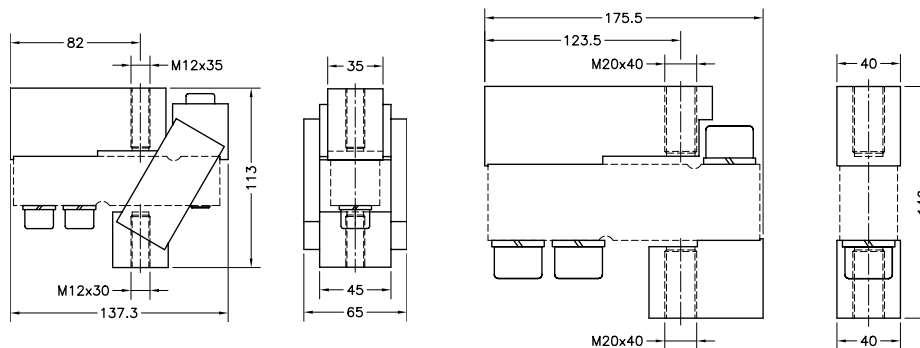


Dimensions (mm)

Reference	Code	E _{max} (t)	Transport weight	A	Ø B	C	D
ACG51001 / CG51002	240539 / 240541	0.3 - 2.5 t	2 kg	M12	100	41	0 - 35
ACG51003 / CG51004	240540 / 240542	3 - 7.5 t	3,2 kg	M18	150	44	10 - 35

FINISH G5I-G5TI-G5N | SILENT BLOCK

Load cells	Zinc-plated steel	Code	Stainless steel	Code
0.3 - 2.5 t	(0.3 - 2.5 t)	240539	(0.3 - 2.5 t)	240540
3 - 7.5 t	(3 - 7.5 t)	240541	(3 - 7.5 t)	240542



Dimensions (mm)

Reference	E _{max} (t)	Breaking limit load	Transport weight
ACG51005	0,3 - 2,5	150 % E _{max}	5 kg
ACG51006	3 - 7,5	150 % E _{max}	10 kg

ACCESSORIES G5I-G5TI-G5N | FOR TENSION IN GALVANIZED STEEL, G5I LOAD CELLS

Load cells	Zinc-plated steel	Code
0.3 - 2.5 t	ACG51005	-
3 - 7.5 t	ACG51006	240544





DOUBLE SHEAR

Double shear load cells are suitable for tank and silo weighing of large capacity, especially when high linearity and low profile are required.

They are also used in truck scales, railway systems, and high-tonnage agricultural applications. Their robust design ensures accuracy in demanding industrial environments.

Model		Capacity (kg)
GTH	M	5.000-50.000
460	M	5.000-100.000

GTH

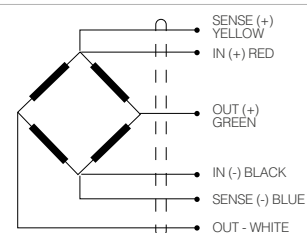


DOUBLE

SHEAR

MIN. **5000 kg**
MAX. **50000 kg**

Tanks
silos and low profile



See the section on
accessories for more options.

PRODUCT DESCRIPTION

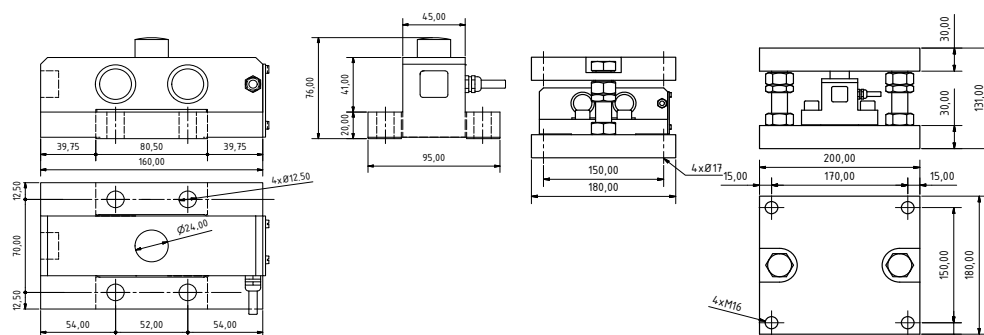
- » Compression load cell.
- » Double shear load cell.
- » 3000 divisions OIML R60 class C.
- » Hermetic sealing laser welded.
- » Protected against electrical discharges by means of gas discharge tubes.
- » IP68 protection (EN60529).



SPECIFICATIONS

FEATURES

Nominal capacity (E_{max})	5, 10, 15, 20, 25, 30, 35, 50 t
Accuracy class	C3
Minimum operating load	0 kg
Maximum service load	150 % E_{max}
Breaking limit load	200 % E_{max}
Maximum combined error	$< \pm 0.017 \% C_n$
Repeatability error	$< \pm 0.015 \% C_n$
Effect of temperature on zero	$< \pm 0.01 \% C_n / 5^{\circ}C$
Effect of temperature on sensitivity	$< \pm 0.006 \% C_n / 5^{\circ}C$
Creep error	$< \pm 0.016 \% C_n$
Compensated temperature range	From $-10^{\circ}C$ to $+40^{\circ}C$
Operating temperature range	From $-20^{\circ}C$ to $+50^{\circ}C$
Nominal sensitivity (C_n)	$2 \pm 0.1 \% mV/V$
Nominal supply voltage	10 V
Maximum supply voltage	15 V
Input resistance	$766 \Omega \pm 2 \%$
Output resistance	$700 \pm 3 \Omega$
Initial imbalance	$< \pm 2 \% C_n$
Insulation resistance	$> 5000 M\Omega$
Maximum deformation	0,2-0,4 mm
Cable length	5 m



Dimensions (mm)

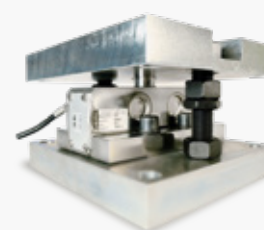
References GTH

Reference	Nominal cap. - E_{max} (kg)	OIML accuracy class n.	$Y = E_{max} / v_{min}$	Code
GTH 5	5000	C3	8000	230632
GTH 10	10000	C3	8000	230633
GTH 15	15000	C3	8000	230634
GTH 20	20000	C3	8000	230635
GTH 25	25000	C3	8000	230636
GTH 30	30000	C3	8000	230637
GTH 35	35000	C3	8000	230719
GTH 50	50000	C3	8000	230638

GTH ACCESSORIES

Reference	Material	Code
AC-GTH Z	Zinc-plated steel	240156
AC-GTH I	Stainless steel	240159

ACCESSORIES



Support for tank with anti-tip

460



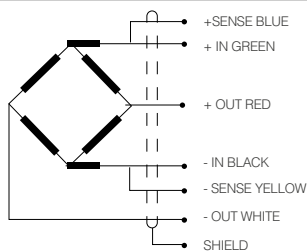
DOUBLE

SHEAR

MIN. **5000 kg**
MAX. **100000 kg**

APPLICATIONS:

Tank and silo weighing systems with high linearity and low profile requirements.



SENSES: 2 additional wires, to keep the supply constant in the cell, with appropriate instrumentation. Use especially for long cables and wide temperature range. SCREEN: not connected to the body of the transducer.



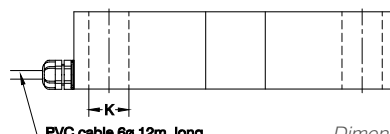
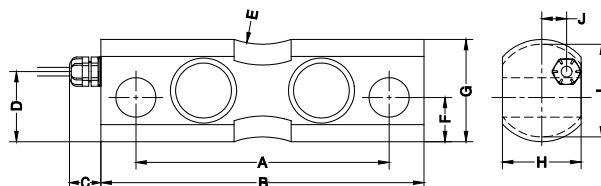
PRODUCT DESCRIPTION

- » Double shear load cell.
- » 3000 divisions OIML R60 class C.
- » Stainless steel elastic support.
- » Hermetically sealed, fully welded.
- » IP68 protection (EN60529).
- » Easy assembly.
- » Available in ATEX version (Ex) (optional).
- » Zone 0-1-2 (gas) and 20-21-22 (dust).

SPECIFICATIONS

FEATURES

Nominal capacity (E_{max})	5, 10, 20, 30, 50, 75, 100 t
Accuracy class	C3
Minimum operating load	0 kg
Maximum service load	150 % E_{max}
Breaking limit load	200 % E_{max}
Combined error	$< \pm 0.017 \% C_n$
Repeatability error	$< \pm 0.015 \% C_n$
Effect of temperature on zero	$< \pm 0.01 \% C_n / 5^{\circ}C$
Effect of temperature on sensitivity	$< \pm 0.006 \% C_n / 5^{\circ}C$
Creep error	$< \pm 0.016 \% C_n$
Compensated temperature range	From $-10^{\circ}C$ to $+40^{\circ}C$
Operating temperature range	From $-20^{\circ}C$ to $+50^{\circ}C$
Nominal sensitivity (C_n)	$2 \pm 0.1 \% mV/V$
Nominal supply voltage	10 V
Maximum supply voltage	15 V
Input resistance	$800 \pm 30 \Omega$
Output resistance	$700 \pm 3 \Omega$
Initial imbalance	$< \pm 2 \% C_n$
Insulation resistance	$> 5000 M\Omega$
Maximum deformation	0,6-1 mm
Cable length	12 m



PVC cable 6ø 12m. long.

Dimensions (mm)

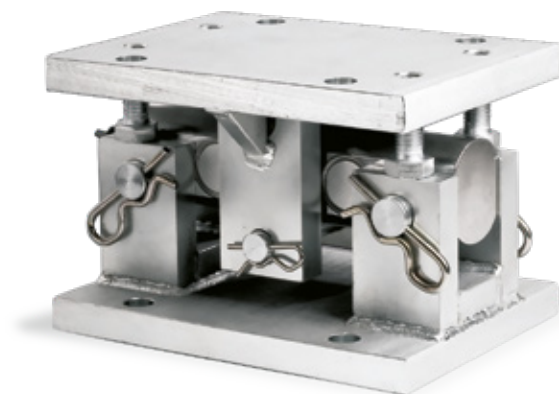
E_{max} (t)	Transport weight	A	B	C	D	E	F	ØG	H	ØI	J	ØK
5 - 20	3,2 kg	145	185	16	41	r.50	25,7	59,5	45	54	14	23
30 - 50	8 kg	220	285	16	48	r.50	29,7	74,5	60	65	22	30
75 - 100	14,3 kg	260	340	16	66	r.50	37,2	99,5	80	90	32	50

References 460

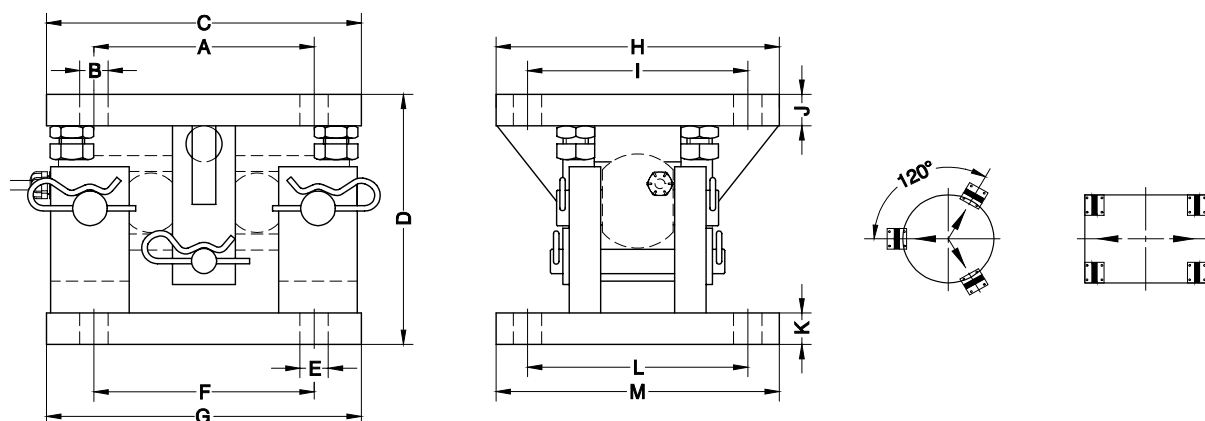
Nominal cap. - E_{max} (kg)	OIML accuracy class n.	$Y = E_{max} / v_{min}$	Code
5000	C3	10000	230269
10000	C3	10000	230270
20000	C3	10000	230271
M 30000	C3	10000	230272
M 50000	C3	10000	230273
M 75000	C3	10000	230663
M 100000	C3	10000	230664

ACCESSORIES

Reference	Description	Code
460ATEX	ATEX option (only for the "i" version)	-



SUPPORT FOR TANKS WITH ANTI-TIP



Dimensions (mm)

Accessories	Nominal load	Transport weight	A	Ø B	C	D	Ø E	F	G	H	I	J	K	L	M
46901/46901i	5 - 20 t	17 kg	140	18	200	160	18	140	200	180	140	20	20	140	180
46902/46902i	30 - 50 t	39 kg	175	22	300	200	22	175	300	220	175	25	25	175	220
46903/46903i	75 - 100 t	82 kg	220	26	370	270	26	220	370	300	220	30	30	220	300

SPECIFICATIONS

References	46901/46901i	46902/46902i	46903/46903i
Maximum transverse displacement of the cell	± 5 mm	± 5 mm	± 10 mm
Maximum permissible lifting force.	90 KN	210 KN	340 KN
Maximum permissible lateral force	4550 kg	8600 kg	12000 kg

Description	GALVANIZED STEEL		STAINLESS STEEL	
	Reference	Code	Reference	Code
Complete silo support with anti-tip, load cells 5 - 20 t	AC46901	240030	AC46901i	240149
Complete silo support with anti-tip, load cells 30 - 50 t	AC46902	240031	AC46902i	240150
Complete silo support with anti-tip, load cells 75 - 100 t	AC46903	240032	AC46903i	240151



COMPRESSION

Compression load cells are used in high-capacity weighing systems, such as truck weighbridges, industrial platforms, and tank, silo or vehicle weighing. They are also suitable for test benches and verification presses, standing out for their robustness, precision, and low-profile design.

Model		Capacity (kg)
GTC	M	500-30.000
GTD	M	2.500-30.000
C16	M	15.000-40.000
G1R	M	0-40.000
G8R	M	18.000-50.000
G8R-CP	M	18.000-50.000
G8RD	M	18.000-50.000
G8RD-CP	M	18.000-50.000
G8RD DUAL	M	20.000-50.000
G8RD DUAL-CP	M	20.000-50.000
GTI	M	5.000-100.000
GIPD	M	15.000-60.000
GIP	M	15.000-60.000
GIP	M	100.000-400.000
G6R	M	75.000-150.000

PRODUCT DESCRIPTION

- » Compression type load cell.
- » Tension load cell.
- » 2000 divisions OIML R60 class C.
- » Construction in stainless steel.
- » Hermetic sealing.
- » Stainless steel elastic support.
- » IP68 protection (EN60529).



SPECIFICATIONS

FEATURES

Nominal capacity (E_{max})	500, 1000, 2000, 2500, 5000, 7500, 10000, 12000, 20000, 25000, 30000 kg	
Accuracy class	C1	C2
Maximum number of divisions	1000	2000
Input resistance	766 $\Omega \pm 2 \%$	
Output resistance	700 $\pm 3 \Omega$	
Supply range	5 V...12 V	
Nominal sensitivity (C_n)	2 mV/V	
Operating temperature range	-10 °C...+50 °C	
Maximum service load	150 % E_{max}	
Breaking limit load	200% E_{max}	
Sensitivity tolerance	$\pm 0.1 \%$ E_{max}	
Effect of temperature on zero	$\leq \pm 0.002 \%$ /°C	
Effect of temperature on sensitivity	$\leq \pm 0.001 \%$ /°C	
Maximum combined error	$\leq \pm 0.02 E_{max}$	
Creep (30 minutes at 20 °C)	$\pm 0.02 \%$	
Cable length	5 m	
Electrical connection	4 wires	

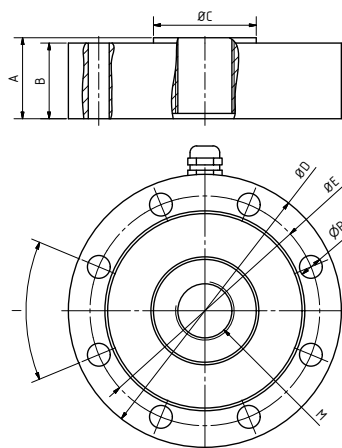
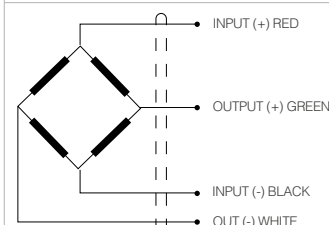
GTC



COMPRESSION

MIN. **500 kg**
MAX. **30000 kg**

Test benches
and verification presses



Dimensions (mm)

E_{max} (t)	A	B	D	E	I	M	P
0.5-7.5 t	30	28	101	85	45 °C	M20 x 1.5	8 holes 8.5
10-30 t	40	39	150	125	30 °C	M30 x 1.5	12 holes 10.5

GTC references

Reference	Nominal cap. - E_{max} (kg)	OIML accuracy class n.	$Y = E_{max}/v_{min}$	Code
GTC0.5	500	C1/C2	7500	230906
GTC1	1000	C1/C2	7500	230907
GTC2	2000	C1/C2	7500	230908
GTC2.5	2500	C1/C2	7500	230909
GTC5	5000	C1/C2	7500	230910
GTC7.5	7500	C1/C2	7500	230911
GTC10	10000	C1/C2	7500	230912
GTC20	20000	C1/C2	7500	230913
GTC30	30000	C1/C2	7500	230914

GTD

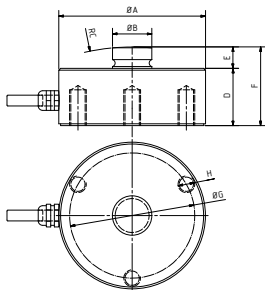
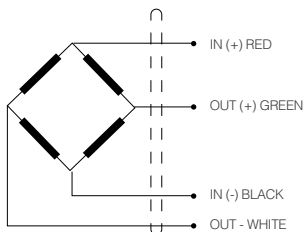


COMPRESSION

MIN. **2500 kg**
MAX. **30000 kg**

APPLICATIONS:

Tank and silo weighing systems with high linearity and low profile requirements.



PRODUCT DESCRIPTION

- » Compression type load cell.
- » 1000 divisions OIML R60 class C.
- » Construction in stainless steel.
- » Hermetic sealing.
- » Stainless steel elastic support.
- » IP68 protection (EN 60529).

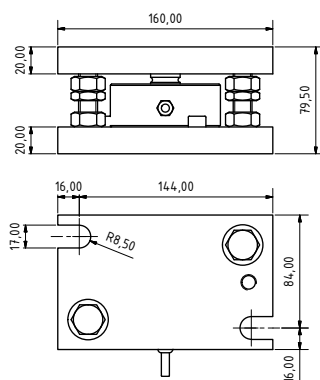
SPECIFICATIONS

FEATURES

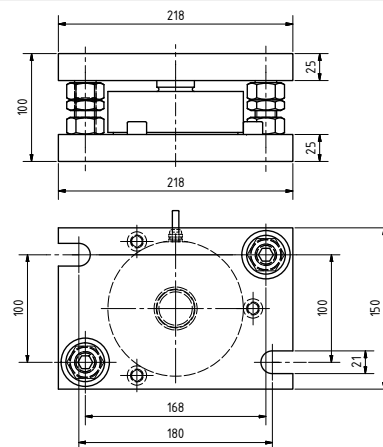
Nominal capacity (E_{max})	2.5, 3, 5, 7.5, 10, 12.5, 20, 25, 30 t
Accuracy class	C1
Minimum operating load	0 kg
Maximum service load	150 % E_{max}
Breaking limit load	200 % E_{max}
Combined error	$< \pm 0.017 \% C_n$
Repeatability error	$< \pm 0.015 \% C_n$
Effect of temperature on zero	$< \pm 0.01 \% C_n / 5 ^\circ K$
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 °C to +40 °C
Operating temperature range	From -20 °C to +50 °C
Nominal sensitivity (C_n)	2 $\pm$ 0.02 mV/V
Voltage range	5V to 18V DC
Maximum supply voltage	18V DC
Input resistance	765 $\pm$ 15 Ω
Output resistance	700 $\pm$ 14 Ω
Initial imbalance	$< \pm 2 \% C_n$
Insulation resistance	$> 4000 M\Omega$
Maximum deformation	0,2-0,4 mm
Cable length	8 m

GTD references

Nominal cap. - E_{max} (kg)	OIML accuracy class n.	$Y = E_{max} / v_{min}$	Code
2500	C1	10000	230706
3000	C1	10000	230707
5000	C1	10000	230708
7500	C1	10000	230709
10000	C1	10000	230710
12500	C1	10000	230711
M 20000	C1	10000	230712
M 25000	C1	10000	230713
M 30000	C1	10000	230714

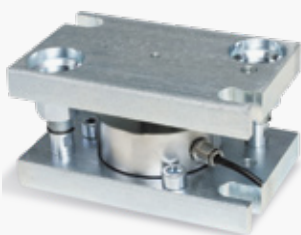


ANTI-TIP ACCESSORY
from 2,500 kg to 12,500 kg
Dimensions (mm)



ANTI-TIP ACCESSORY
from 15,000 kg to 30,000 kg

ACCESSORIES



Tank support
with anti-tip.

Reference	Material	Nominal cap. - E_{max} (kg)	Code
ACGTDZ1	Zinc plated	2500-12500	240160
ACGTDZ2	Zinc plated	20000 - 30000	240162
ACGTDi1	Stainless steel	2500-12500	240161
ACGTDi2	Stainless steel	20000 - 30000	240163

PRODUCT DESCRIPTION

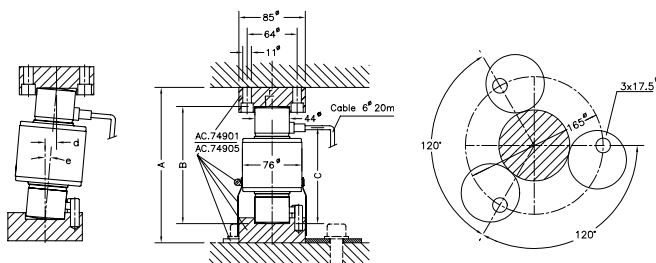
- » Compression type load cell.
- » 3000 divisions OIML R60 class C.
- » Manufactured in stainless steel.
- » Laser welded, IP68 protection (EN60529).
- » Optimized for parallel connection by means of corner adjustment.
- » Complies with EMC/ESD requirements according to EN 45 501.
- » Available in ATEX 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})	5 kg	5 10 kg	10 kg	10 20 kg
[maximum number of Load cells]	[10]	[6] [10]	[10]	[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	$\pm 0.0080\%$ $C_n/10^\circ\text{C}$			
Effect of temperature on zero	$\pm 0.0080\%$ $C_n/10^\circ\text{C}$			
Effect of temperature on sensitivity ⁽²⁾	$\pm 0.0080\%$ $C_n/10^\circ\text{C}$			
Hysteresis error ⁽²⁾	$\pm 0.0170\%$ C_n			
Non-linearity ⁽²⁾	$\pm 0.0180\%$ C_n			
Creep error (30 minutes)	$\pm 0.0167\%$ C_n			
Input resistance (black-blue)	700 $\pm$ 20 Ω			
Output resistance (red-white)	706 $\pm$ 3.5 Ω ⁽²⁾			
Reference excitation voltage	5 V			
Nominal range of excitation voltage	5 - 12 V			
Insulation resistance	>5000 M Ω			
Compensated temperature range	From -10 $^\circ\text{C}$ to +40 $^\circ\text{C}$			
Operating temperature range	From -30 $^\circ\text{C}$ to +70 $^\circ\text{C}$			
Storage temperature range	From -50 $^\circ\text{C}$ to +85 $^\circ\text{C}$			
Maximum service load	150 % E_{max}			
Breaking limit load	> 350% E_{max}			
Permitted dynamic load (DIN50100)	70% E_{max}			
Protection class	IP68 / IP69K			
Cable length	12 m			



Dimensions (mm) | Transport weight 3 kg.

giropes

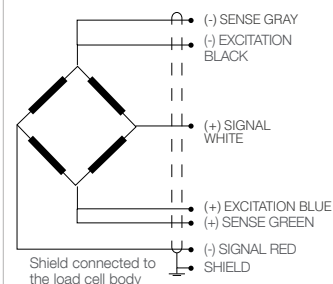
C16



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.

Reference	A	B	C	R esf	amax (2)	S max (3)	FR (4)	
							S max(3)	S = 1
C16A 15 t	180	130	112	110	5°	11	6,0 %	0,55 %
C16A 20 t	200	150	123	130	5°	13	6,4 %	0,49 %
C16A 30 t	200	150	123	160	5°	13	9,9 %	0,76 %
C16A 40 t	200	150	123	180	5°	13	12,2 %	0,94 %

Reference	Nominal cap. - E_{max} (kg)	OIML accuracy class n.	$Y = E_{max}/v_{min}$	Code
C16A 15 t	15000	C3	10000	230021
C16A 20 t	20000	C3	10000	230022
C16A 30 t	30000	C3	10000	230024
C16A 40 t	40000	C3	10000	230026

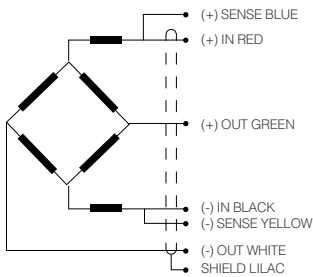
G1R



COMPRESSION

MIN. **0 kg**
MAX. **30000 kg**

APPLICATIONS:
Weighbridges. Platforms.
Weighing systems such as silos,
tanks, etc.



PRODUCT DESCRIPTION

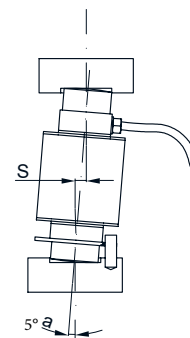
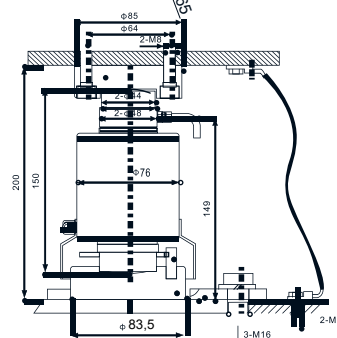
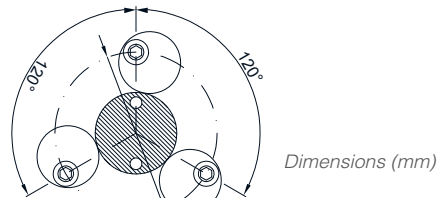
- » Compression type load cell.
- » Sensors with stainless steel protection.
- » Hermetically sealed according to IP68.

- » 3000 divisions OIML R60 class C.
- » Corner adjustment optimized for multisensor systems.

SPECIFICATIONS

FEATURES

Nominal capacity (E_{max})	30, 40 t
Accuracy class	C3
Minimum operating load	0 kg
Maximum service load	150 % E_{max}
Load limit	200% E_{max}
Combined error	$< \pm 0.03\% C_n$
Repeatability error	$< \pm 0.02\% C_n$
Creep error (30 minutes)	$< \pm 0.02\% C_n$
Operating temperature range	From -30 °C to +70 °C
Nominal sensitivity (C_n)	2 mV/V
Nominal input voltage	10 V
Maximum input voltage	12 V
Input impedance	$700 \pm 20 \Omega$
Output resistance	$703 \pm 5 \Omega$
Insulation impedance	$> 5000 M\Omega$
Maximum deflection (at E_{max})	0,6 - 1 mm
Cable length	16 m



G1R references

Nominal cap. - E_{max} (kg)	OIML accuracy class n.	$Y = E_{max} / v_{min}$	Code
30000	C3	10000	230040
30000 (armored cable)	C3	10000	230730

ACCESSORIES

Description	Code
Lower plate for G1R load cell	240037
Upper plate for G1R load cell	240038

G8RD DUAL

DIGITAL WITH DOUBLE CONNECTOR



G8R SERIES



G8R/G8R CP

G8RD/G8RD CP

G8RD DUAL/G8RD DUAL CP

G8R G8R-CP



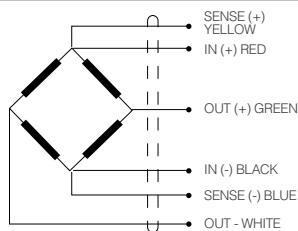
COMPRESSION

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.



G8R

G8R-CP

PRODUCT DESCRIPTION

- » 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 protection (EN60529).

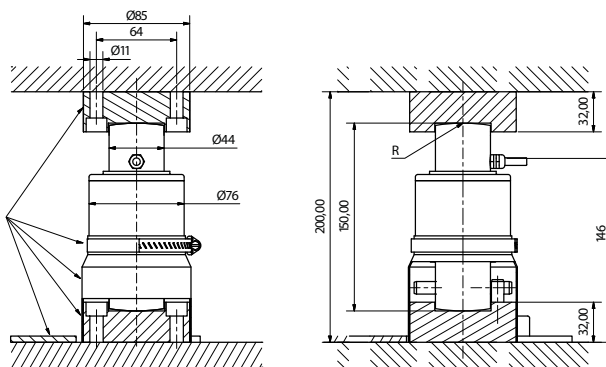
SPECIFICATIONS

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

G8R

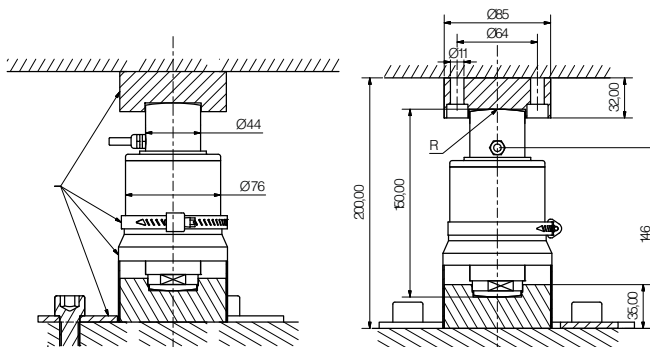
Set of rings



Dimensions (mm)

G8R-CP

Set of rings



Dimensions (mm)

G8R G8R-CP

G8R references

					ARMORED CABLE		
Reference	Nominal cap. - E_{max} (kg)	OIML accuracy class n.	$Y = E_{max}/v_{min}$	Code	Reference	Code	
G8R 18	18000	C4	15000	230566	G8R-18CA	230652	
G8R 20	20000	C4	15000	230567	G8R-20CA	230653	
G8R 25	25000	C4	15000	230568	G8R-25CA	230654	
G8R 30	30000	C4	15000	230569	G8R-30CA	230655	
G8R 35	35000	C4	15000	230570	G8R-35CA	230656	
M G8R 40	40000	C4	15000	230571	G8R-40CA	230657	
G8R 50	50000	C4	15000	230662	G8R-50CA	230767	

G8R ACCESSORIES | SET OF RINGS

Reference	Description	Code	
AC-G8R	Pendular ring set for zinc-plated G8R	240036	
AC71901i	Pendular ring set in stainless steel	240184	

Note: includes ring set, rubbers, and metal clamps.

G8R-CP References

					ARMORED CABLE		
Reference	Nominal cap. - E_{max} (kg)	OIML accuracy class n.	$Y = E_{max}/v_{min}$	Code	Reference	Code	
G8R-18 ACP	18000	C4	15000	230928	G8R-18CA-ACP	231002	
G8R 20 ACP	20000	C4	15000	230929	G8R-20CA-ACP	231003	
G8R 25 ACP	25000	C4	15000	230930	G8R-25CA-ACP	231004	
G8R 30 ACP	30000	C4	15000	230931	G8R-30CA-ACP	231005	
G8R 35 ACP	35000	C4	15000	230932	G8R-35CA-ACP	231006	
M G8R 40 ACP	40000	C4	15000	230933	G8R-40CA-ACP	231007	
G8R 50 ACP	50000	C4	15000	230934	G8R-50CA-ACP	231008	

G8R-CP ACCESSORIES | RING SET

Reference	Description	Code	
ACG8R-I-ACP	Pendular ring set in stainless steel	240261	
ACG8R-N-ACP	Pendular ring set in nickel	240461	

G8R & G8R-CP ACCESSORIES | TOP/BOTTOM PLATE, SUPPORT FOR SILOS

Reference	Description	Code	
AC74902	Top plate to fix the ring set to a structure (for one load cell)	240037	
AC74903	Bottom plate to fix the ring set to the floor (for one load cell)	240038	
AC74907	Lift prevention kit for silo, for G8R load cells (unit), up to 50 t	240040	

G8RD G8RD-CP



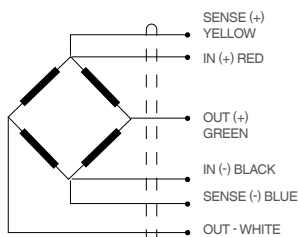
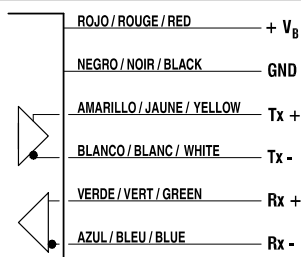
COMPRESSION

DIGITAL

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.



G8RD DIMENSIONS

E _{max} (t)	R
18 - 20	130
30	160
40 - 50	180



G8RD

G8RD-CP

PRODUCT DESCRIPTION

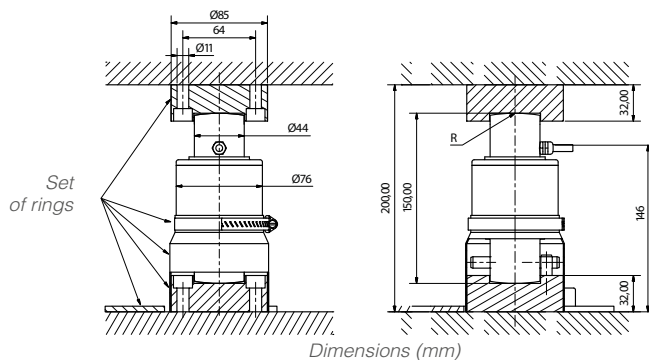
- » Digital compression load cell.
- » 4000 divisions OIML R60 class C.
- » Construction in stainless steel.
- » Hermetically sealed, IP69K protection.
- » Lightning protection.
- » RS485 digital interface, full duplex.
- » Configuration and software update via serial interface.
- » Advantages in commissioning,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

SPECIFICATIONS

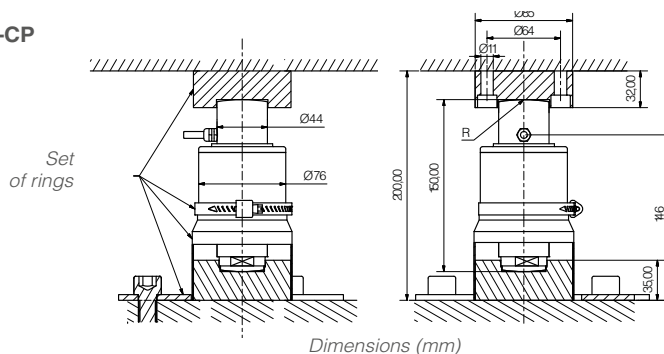
FEATURES

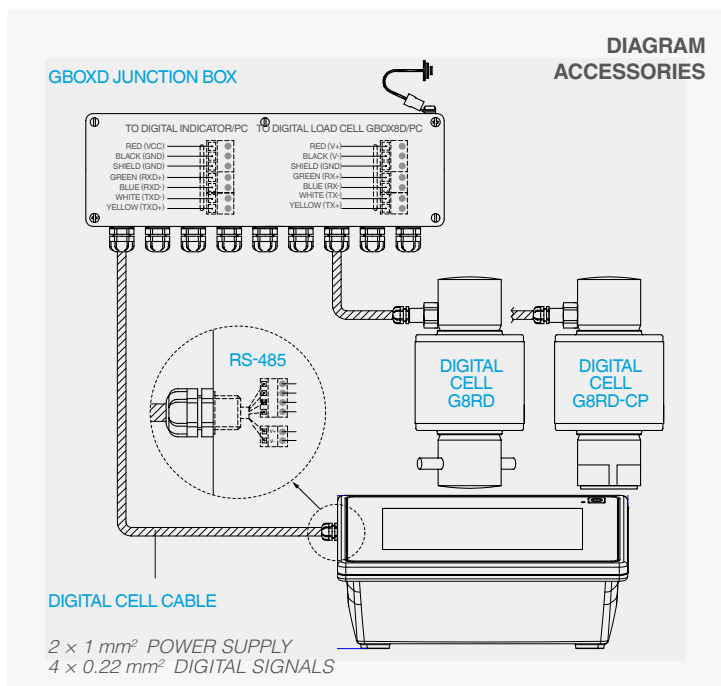
Nominal capacity (E _{max})	18, 20, 30, 40, 50 t
Accuracy class	C4
Minimum operating load	0 kg
Maximum service load	120% E _{max}
Breaking limit load	150 % E _{max}
Combined error	< ± 0.013% C _n
Repeatability error	< ± 0.015 % C _n
Creep error (30 minutes)	< ± 0.016 % C _n
Operating temperature range	From -30 °C to +70 °C
Nominal sensitivity (C _n)	200000 ± 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 Ω ± 2 %
Output resistance	700 ± 3 Ω
Initial imbalance	± 2 % C _n
Maximum deformation (at E _{max})	0,6 - 1 mm
Cable length	18 m

G8RD



G8RD-CP





DIGITAL JUNCTION BOX

Reference	Description	Code
GBOX8D	Giropes digital junction box hermetic ABS (8 load cells)	240487
AC8CLGBOXD	Digital connection circuit for up to 8 load cells	240066

G8RD References

					ARMORED CABLE	
Reference	Nominal cap. - E_{max} (kg)	OIML accuracy class n.	$Y = E_{max}/v_{min}$	Code	Reference	Code
G8RD 18	18000	C4	15000	231024	G8RD-18CA	231029
G8RD 20	20000	C4	15000	231025	G8RD-20CA	231030
G8RD 30	30000	C4	15000	231026	G8RD-30CA	231031
G8RD 40	40000	C4	15000	231027	G8RD-40CA	231032
G8RD 50	50000	C4	15000	231028	G8RD-50CA	231033

G8RD ACCESSORIES | SET OF RINGS

Reference	Description	Code
AC-G8R	Pendular ring set for G8RD zinc-plated	240036
AC71901i	Pendular ring set in stainless steel	240184

Note: includes ring set, rubbers, and metal clamps.

G8RD-CP References

					ARMORED CABLE	
Reference	Nominal cap. - E_{max} (kg)	OIML accuracy class n.	$Y = E_{max}/v_{min}$	Code	Reference	Code
G8R-18 ACPD	18000	C4	15000	231319	G8RD-18CA-ACP	231326
G8R-20 ACPD	20000	C4	15000	231320	G8RD-20CA-ACP	231327
G8R-30 ACPD	30000	C4	15000	231322	G8RD-30CA-ACP	231329
G8R-40 ACPD	40000	C4	15000	231324	G8RD-40CA-ACP	231331
G8R-50 ACPD	50000	C4	15000	231325	G8RD-50CA-ACP	231332

G8RD-CP ACCESSORIES | SET OF RINGS

Reference	Description	Code
ACG8R-I-ACP	Pendular ring set in stainless steel	240261
ACG8R-N-ACP	Pendular ring set in nickel	240461

Note: includes ring set, rubbers, and metal clamps.

ACCESSORIES G8RD & G8RD-CP | PLATES, SUPPORT FOR SILOS

Reference	Description	Code
AC74902	Top plate for fixing to a structure (for one load cell)	240037
AC74903	Bottom plate for fixing to the floor (for one load cell)	240038
AC74907	Lift prevention kit for silo, for G8R load cells (unit), up to 50 t	240040

G8RD DUAL

G8RD DUAL-CP



COMPRESSION

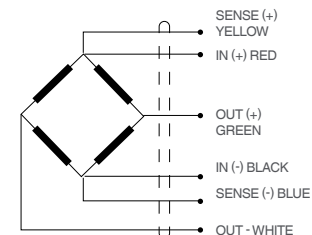
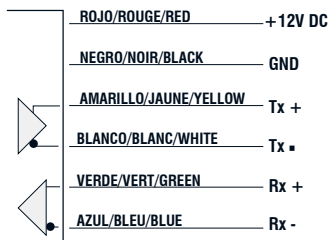
DIGITAL

MIN. **20000 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.



DIMENSIONS G8RD Dual-CP

E_{max} (t)	R
18 - 20	130
30	160
40 - 50	180



G8RD Dual

G8RD Dual CP

PRODUCT DESCRIPTION

- » Digital compression load cell with double connector.
- » 4000 divisions OIML R60 class C.
- » Easy to install.
- » Construction in stainless steel.
- » Hermetically sealed, IP69K protection.
- » Lightning protection.

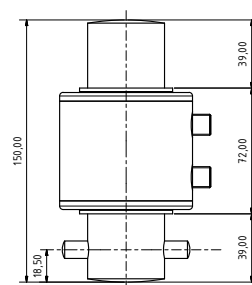
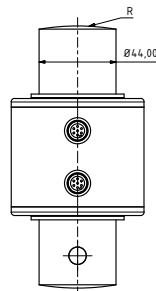
- » RS485 digital interface, full duplex.
- » Configuration and software update via serial interface.
- » Advantages in commissioning, corner adjustment, and individualized diagnostics.
- » Connectors in stainless steel laser welded to the body of the cell.

SPECIFICATIONS

FEATURES

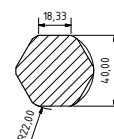
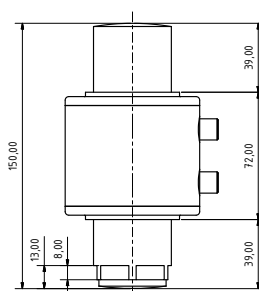
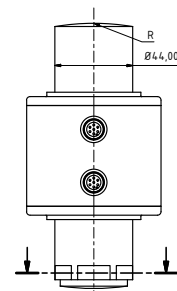
Nominal capacity (E_{max})	20, 30, 40, 50 t
Accuracy class	C4
Minimum operating load	0 kg
Maximum service load	120% E_{max}
Breaking limit load	150 % E_{max}
Combined error	$< \pm 0.013\% C_n$
Repeatability error	$< \pm 0.015\% C_n$
Creep error (30 minutes)	$< \pm 0.016\% C_n$
Operating temperature range	From -10 °C to +40 °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
Initial imbalance	$\pm 2\% C_n$
Maximum deformation (at E_{max})	0,6 - 1 mm
Cable length	18 m
Maximum transmission cable length	1200 m

G8RD Dual



Dimensions (mm)

G8RD Dual-CP



Dimensions (mm)

G8RD DUAL

G8RD DUAL-CP

G8RD DUAL References

Reference	Nominal cap. - E_{max} (kg)	OIML accuracy class n.	$Y = E_{max}/V_{min}$	Code	
G8RDC-20	20000	C4	15000	231286	
G8RDC-30	30000	C4	15000	231287	
G8RDC-40	40000	C4	15000	231288	
G8RDC-50	50000	C4	15000	231289	

ACCESSORIES G8RD DUAL | SET OF RINGS

Reference	Description	Code	
AC-G8R	Pendular ring set for G8RD zinc-plated	240036	
AC71901i	Pendular ring set in stainless steel	240184	

Note: includes ring set, rubbers, and metal clamps.

G8RD DUAL-CP References

Reference	Nominal cap. - E_{max} (kg)	OIML accuracy class n.	$Y = E_{max}/V_{min}$	Code	
G8RDC-20CA	20000	C4	15000	231291	
G8RDC-30CA	30000	C4	15000	231292	
G8RDC-40CA	40000	C4	15000	231293	
G8RDC-50CA	50000	C4	15000	231294	

ACCESSORIES G8RD DUAL-CP | SET OF RINGS

Reference	Description	Code	
ACG8R-I-ACP	Pendular ring set in stainless steel	240261	
ACG8R-N-ACP	Pendular ring set in nickel	240461	

Note: includes ring set, rubbers, and metal clamps.

ACCESSORIES G8RD DUAL & G8RD DUAL-CP | SUPPORT FOR SILOS

Reference	Description	Code	
AC74907	Lift prevention kit for silo, for G8R load cells (unit), up to 50 t	240040	

ACCESSORIES G8RD DUAL & G8RD DUAL-CP | PLATES

Reference	Description	Code	
AC74902	Top plate to fix the ring set to a structure (for one load cell)	240037	
AC74903	Bottom plate to fix the ring set to the floor (for one load cell)	240038	

OPTIONAL CABLES | METERS OF CABLE BETWEEN LOAD CELLS

		ASSEMBLED	
Description		Code	
5 m cable		245083	
7 m cable		245084	
9 m cable		245085	
11 m cable		245086	

Note: all digital load cells require the use of cable 245098 (assembled cable for digital load cell).

OPTIONAL CABLES | METERS OF CABLE BETWEEN LOAD CELLS AND INDICATOR

		ASSEMBLED	
Description		Code	
15 m cable		245091	
30 m cable		245092	
50 m cable		245093	
100 m cable		245094	

Note: all digital load cells require the use of cable 245098 (assembled cable for digital load cell).

GTI



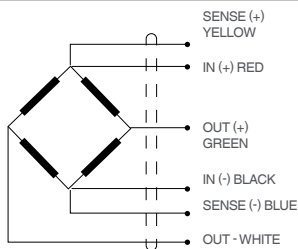
COMPRESSION

MIN. **5000 kg**

MAX. **100000 kg**

APPLICATIONS:

Tank, silo and vehicle weighing system. Low profile.



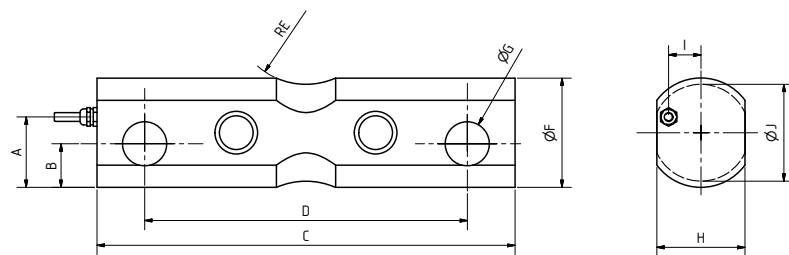
PRODUCT DESCRIPTION

- » Compression type load cell.
- » Double shear load cell.
- » 3000 divisions OIML R60 class C.
- » Construction in stainless steel.
- » Hermetic sealing by laser welding.
- » Stainless steel elastic support.
- » IP68 protection (EN 60529).

SPECIFICATIONS

FEATURES

Nominal capacity (E_{max})	5, 10, 20, 30, 50, 75, 100 t
Accuracy class	C3
Minimum operating load	0 kg
Maximum service load	150 % E_{max}
Breaking limit load	200% E_{max}
Input resistance	766 $\Omega \pm 5\%$
Output resistance	700 $\Omega \pm 5\%$
Nominal supply voltage	5-12 V DC
Nominal sensitivity (C_n)	2 mV/V
Sensitivity tolerance (-10 °C...+40 °C)	$\pm 0.1\%$
Sensitivity thermal drift (-10 °C...+40 °C)	$< \pm 0.001\%/^{\circ}\text{C}$
Zero thermal drift (-10 °C...+40 °C)	$< \pm 0.002\%/^{\circ}\text{C}$
Maximum combined error	$< \pm 0.02\%$
Creep in 30' at 20 °C	$< \pm 0.02\%$
Cable length	18 m
Electrical connection	6 wires (with sense lines)

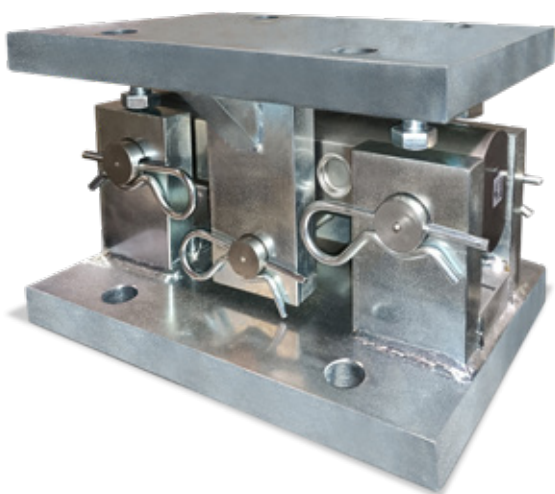


Dimensions (mm)

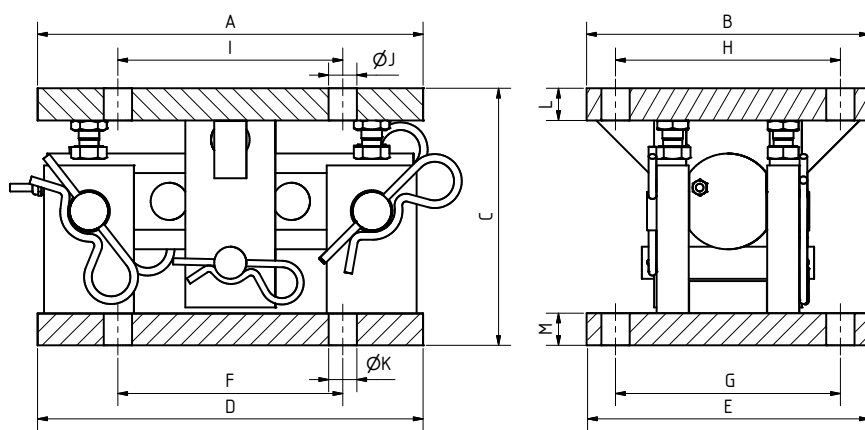
E_{max} (t)	A	B	C	D	E	F	G	H	I	J
5-20	41	25,7	185	145	R50	59,5	23	45	14	55
30-50	48	29,7	285	220	R50	74,5	30	60	22	66
75-100	66	37,2	340	260	R50	99,5	50	80	32	91

GTI references

Nominal cap. - E_{max} (kg)	OIML accuracy class n.	$Y = E_{max}/V_{min}$	Code
5000	C3	10000	231169
10000	C3	10000	231170
20000	C3	10000	231171
30000	C3	10000	231172
50000	C3	10000	231173
75000	C3	10000	231174
100000	C3	10000	231175



SUPPORT FOR TANKS WITH ANTI-TIP



Dimensions (mm)

Nominal capacity (t)	A-D	B-E	C	F-G-H-I	J-K	L-M
5-20	200	180	160	140	18	20
30-50	300	220	200	175	22	25
75-100	370	300	270	220	26	30

ZINC-PLATED STEEL			
Description	Reference	Code	
For capacities from 5 to 20 t	ACGTI-1	240557	
For capacities from 30 to 50 t	ACGTI-2	240558	
For capacities from 75 to 100 t	ACGTI-3	240559	

STAINLESS STEEL			
Description	Reference	Code	
For capacities from 5 to 20 t	-	-	
For capacities from 30 to 50 t	-	-	
For capacities from 75 to 100 t	-	-	

GIPD

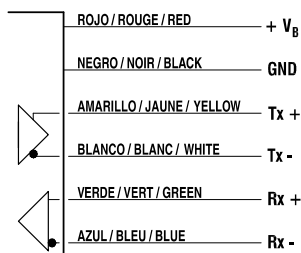


COMPRESSION

DIGITAL

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

APPLICATIONS:
High-capacity weighing systems,
especially for truck weighbridges.



PRODUCT DESCRIPTION

- » Self-centering pivot column compression load cell.
- » 4000 divisions OIML R60 class C.
- » 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.



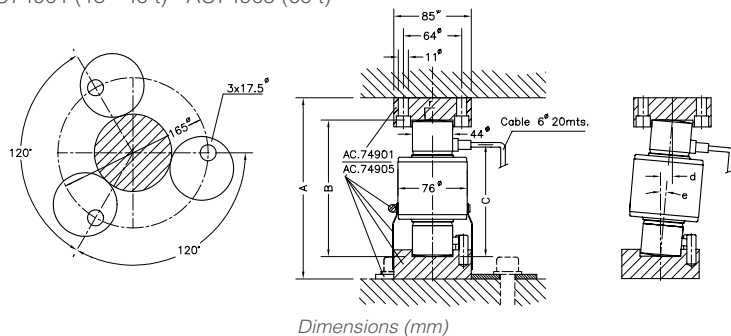
SPECIFICATIONS

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	$< \pm 0.01\% C_n/5^\circ K$ $< \pm 0.006\% C_n/5^\circ K$
Creep error (30 minutes)	$< \pm 0.012\% C_n$
Compensated temperature range	From $-10^\circ C$ to $+40^\circ C$
Operating temperature range	From $-30^\circ C$ to $+70^\circ C$
Nominal 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.

GIP with AC74901 (15 - 40 t) - AC74905 (60 t)



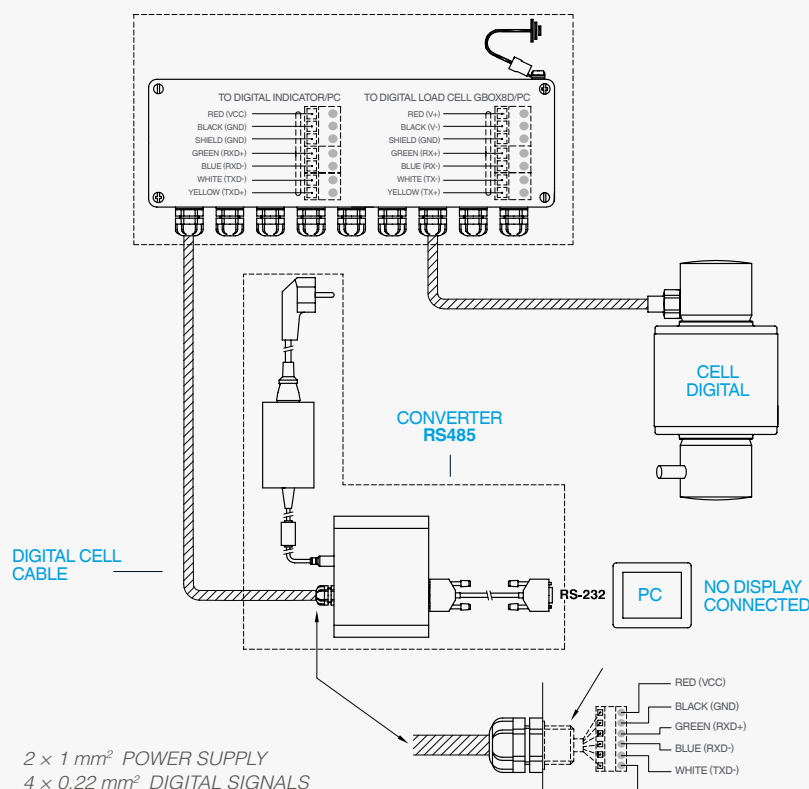
Dimensions (mm)

Reference	A	B	C	Max. D	Max. E (allowed)	R. est	Transport weight
GIP15 t	200	150	123	13	5°	130	2 kg
GIP20 t	200	150	123	13	5°	130	2,1 kg
GIP25 t	200	150	123	13	5°	150	2,2 kg
GIP30 t	200	150	123	13	5°	160	2,3 kg
GIP40 t	200	150	123	13	5°	180	2,9 kg
GIP60 t	260	210	153	11	3°	220	3,7 kg

GIPD references | Capacity 15-60 t

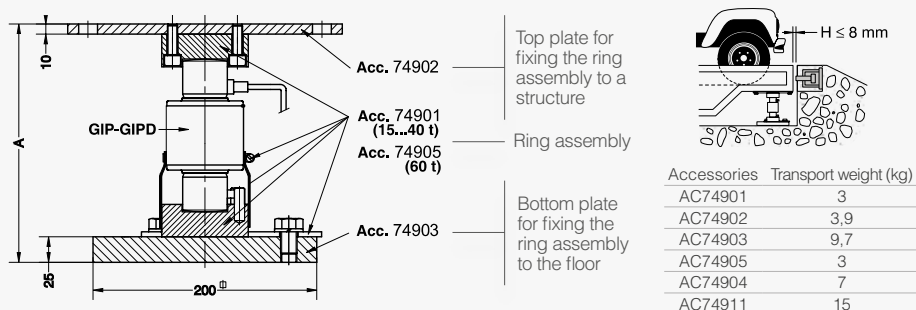
Reference	Nominal cap. - E_{max} (kg)	OIML accuracy class n.	$Y = E_{max}/v_{min}$	Code
GIPD15 t	15000	C4	12000	230207
GIPD20 t	20000	C4	12000	230208
GIPD30 t	30000	C4	12000	230209
GIPD40 t	40000	C4	12000	230210
GIPD60 t	60000	C4	12000	230658

Note: accessories for GIP load cells: silo support, junction box, set of rings and fixing plates.



ACCESSORIES INSTALLATION DIAGRAM

Reference	Description	Code
AC89090	8-cell digital junction box	240050
AC89091	RS-485/RS-232 converter	240165
AC89100	200 m digital load cell cable	240166



CELL MODEL	ACCESSORIES	A
GIP-GIPD (15-20-25-30-40 t)	AC74901 + AC74902 + AC74903	235
GIP-GIPD (60 t)	AC74905 + AC74902 + AC74903	295
GIP-GIPD (100-200 t)	AC74905 + AC74902 + AC74903	-
GIP-GIPD (400 t)	AC74911 + AC74902 + AC74903	-

RING ASSEMBLY

Reference	Description	Code
AC74901	Pendular ring assembly to support GIP-GIPD load cells (15, 20, 25, 30, 40 t) for one load cell	240036
AC74905	Pendular ring assembly to support GIP-GIPD load cells (60 t) for one load cell	240039
AC74904	Pendular ring assembly to support GIP-GIPD load cells (100, 200 t) for one load cell	240510
AC74911	Pendular ring assembly to support GIP-GIPD load cells (400 t) for one load cell	240511

PLATES TO FIX THE SET OF RINGS

Reference	Description	Code
AC74902	Top plate for fixing the ring assembly to a structure (for one load cell) GIP-GIPD	240037
AC74903	Bottom plate for fixing the ring assembly to the floor (for one load cell) GIP-GIPD	240038

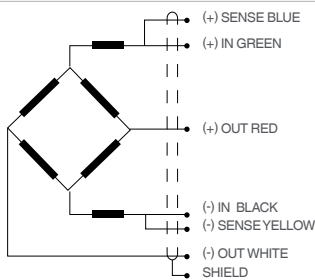
GIP



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.

ACCESSORIES

Reference	Description
GIPATEX	ATEX option

Accessories for GIP load cells: silo support, junction box, ring assembly and fixing plates.

PRODUCT DESCRIPTION

- » Compression load cell with self-centering pivoting column.
- » 3000 divisions OIML R60 class C.
- » Available in ATEX version (Ex) (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.



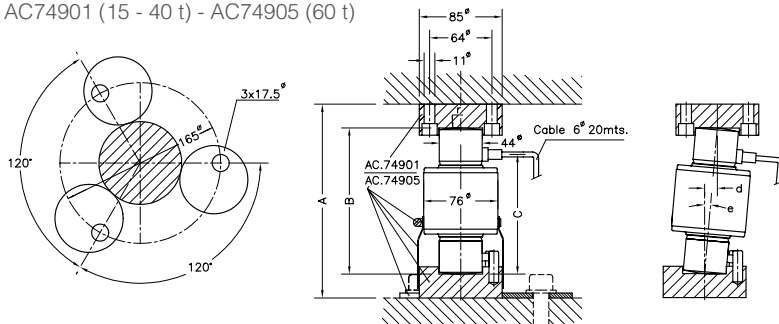
SPECIFICATIONS

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).

GIP with AC74901 (15 - 40 t) - AC74905 (60 t)



Dimensions (mm)

Reference	A	B	C	Max. D	Max. E (allowed)	R. est	Transport weight
GIP15 t	200	150	123	13	5°	130	2 kg
GIP20 t	200	150	123	13	5°	130	2,1 kg
GIP25 t	200	150	123	13	5°	150	2,2 kg
GIP30 t	200	150	123	13	5°	160	2,3 kg
GIP40 t	200	150	123	13	5°	180	2,9 kg
GIP60 t	260	210	153	11	3°	220	3,7 kg

GIP references | Capacity 15-60 t

Nominal cap. - E_{max} (kg)	OIML accuracy class n.	$Y = E_{max} / v_{min}$	Code	ARMORED CABLE
15000	C3	10000	230195	230787
20000	C3	10000	230197	230198
25000	C3	10000	230200	230473
30000	C3	10000	230201	230202
40000	C3	10000	230203	230204
60000	C3	10000	230206	230788

PRODUCT DESCRIPTION

- » Compression load cell with self-centering pivoting column.
- » 1000 divisions.
- » 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.

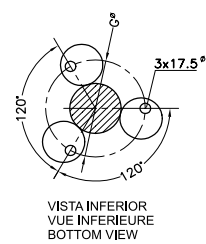
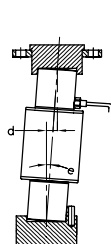


SPECIFICATIONS

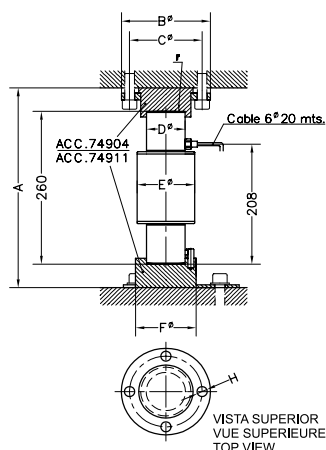
FEATURES

Nominal capacity (E_{max})	15, 20, 25, 30, 40, 60 t
Accuracy class	C3
Minimum operating load	0 kg
Maximum service load	150 % E_{max}
Breaking limit load	200 % 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 °C to +40 °C
Operating temperature range	From -20 °C to +50 °C
Nominal sensitivity (C_n)	$2 \pm 0.1 \% mV/V^{(2)}$
Nominal supply voltage	10 V
Maximum supply voltage	15 V
Input resistance	$400 \pm 5 \Omega$
Output resistance	$350 \pm 5 \Omega$
Initial imbalance	$< \pm 2 \% C_n$
Insulation resistance	$> 5000 M\Omega$
Maximum deformation	0,2-0,4 mm
Cable length	18 m

Note 1: combined error (non-linearity and hysteresis). Note 2: $E_{max} \leq 20$ kg, $2 \pm 0.2 \%$.
Note 3: 1500 kg: 2000 N.OIML.



Dimensions (mm)



GIP

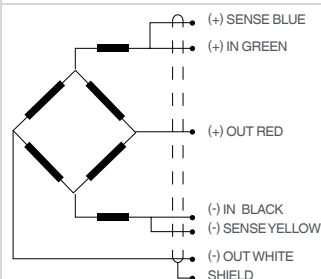


COMPRESSION

MIN. 100000 kg
MAX. 400000 kg

APPLICATIONS:

Weighing systems of high capacity, especially for truck weighbridges.



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

ACCESSORIES

Reference	Description
GIPATEX	ATEX option

Accessories for GIP load cells: silo support, junction box, ring assembly and fixing plates.

Reference	A	B	C	D	E	F	G	H	Max. D	Max. E (allowed)	R. est	Transport weight
GIP100t	340	147	120	64	100	100	165	17	18	4°	290	8 kg
GIP200t	340	147	120	64	100	100	165	17	9	2°	400	8 kg
GIP400t	360	200	170	109	140	140	200	21	8	1,4°	450	19 kg
AC74911	-	-	-	-	-	-	-	-	-	-	-	15 kg

References GIP | Capacity 100-400 t

Reference	Nominal cap. - E_{max} (kg)	OIML accuracy class n.	$Y = E_{max} / v_{min}$	Code
GIP100	100000	C1	7500	230659
GIP200	200000	C1	7500	230660
GIP400	400000	C1	7500	230661

G6R

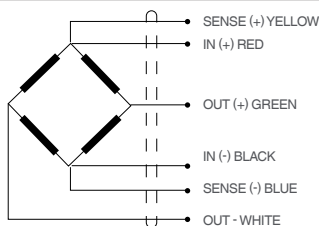


COMPRESSION

MIN. **75000 kg**

MAX. **150000 kg**

APPLICATIONS:
Silos, tanks and vehicles.
Low profile.



PRODUCT DESCRIPTION

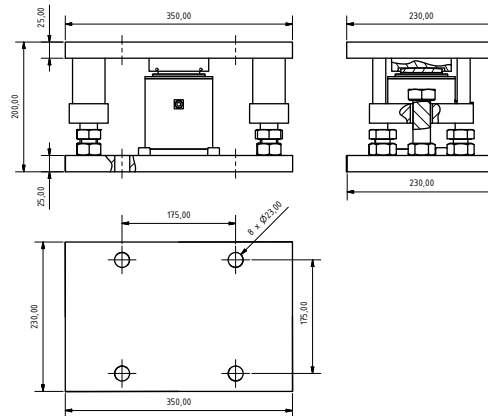
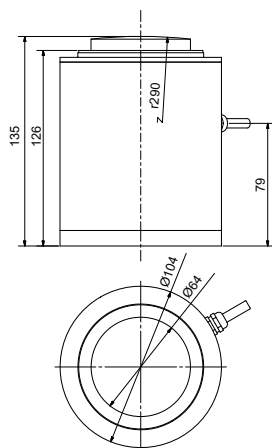
- » Compression type load cell.
- » 3000 divisions OIML R60 class C.
- » Construction in stainless steel.

- » Hermetic sealing by laser welding.
- » IP68 protection (EN 60529).

SPECIFICATIONS

FEATURES

Nominal capacity (E_{max})	75, 80, 85, 90, 100, 125, 150 t
Maximum number of divisions	3000
Input resistance	$800 \Omega \pm 2 \%$
Output resistance	$700 \pm 3 \%$
Supply range	5 V...12 V
Nominal sensitivity (C_n)	2 mV/V
Operating temperature range	From -10 °C to +50 °C
Maximum load	150 % E_{max}
Breaking load	> 200 % E_{max}
Sensitivity tolerance	$\pm 0.1 \% E_{max}$
Thermal drift sensitivity (-10 °C...+40 °C)	$< \pm 0.001 \% / ^\circ C$
Zero thermal drift (-10 °C...+50 °C)	$< \pm 0.002 \% / ^\circ C$
Maximum combined error	$< \pm 0.02 E_{max}$
Creep in 30' at 20 °C	$\pm 0.02 \%$
Cable length	18 m
Electrical connection	to 6 wires (with sense lines)



Dimensions (mm)

ACCESSORIES



Tank support
with anti-tip

References G6R

Nominal cap. - E_{max} (kg)	OIML accuracy class n.	$Y = E_{max} / v_{min}$	Code
75000	C3	10000	230936
80000	C3	10000	230937
85000	C3	10000	230938
90000	C3	10000	230939
100000	C3	10000	230940
125000	C3	10000	230941
150000	C1	10000	230942

ACCESSORIES

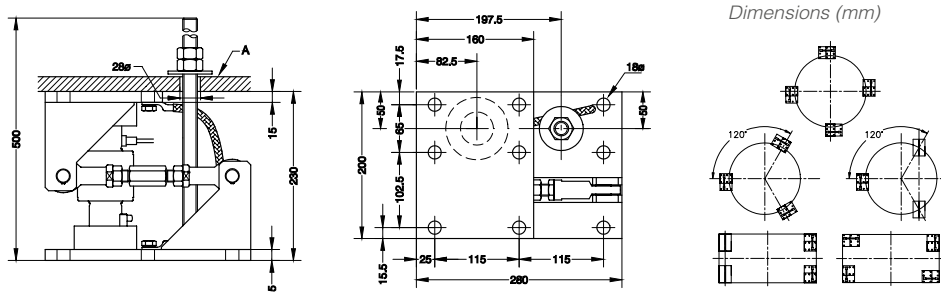
Reference	Description	Code
ACG6R	Anti-tip accessory	240462

SPECIFICATIONS

FEATURES

Nominal capacity (E_{max})	15 - 40 t
Maximum transverse displacement to the retaining arm	± 4 mm
Maximum admissible force in the direction of the retaining arm	47 kN
Maximum admissible lifting force	76 kN
Maximum admissible vertical displacement (A)	3 mm
Material	Zinc-plated steel
Transport weight	19 kg

ACCESSORIES



Dimensions (mm)



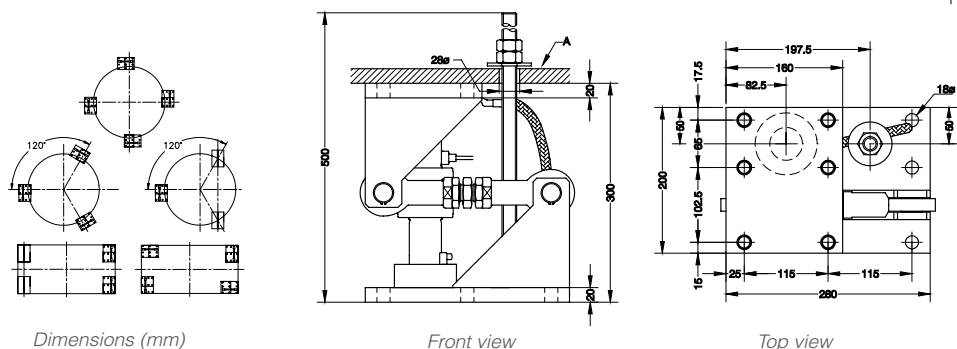
ACCESSORIES G8R-GIP-GIPD | SUPPORT FOR SILOS

Reference	Description	Code
AC74907	Complete support for silo with anti-tip system, compatible with load cells GIP, G8R and their variants, up to 40 t (for one cell)	240040

SPECIFICATIONS

FEATURES

Nominal capacity (E_{max})	60 t
Maximum transverse displacement to the retaining arm	± 4 mm
Maximum admissible force in the direction of the retaining arm	95 kN
Maximum admissible lifting force	114 kN
Maximum admissible vertical displacement (A)	3 mm
Material	Zinc-plated steel
Transport weight	27 kg



Dimensions (mm)

Front view

Top view



ACCESSORIES GIP-GIPD | SUPPORT FOR SILOS

Reference	Description	Code
AC74908	Complete support for silos, with anti-tip for 50 t - 60 t load cells GIP, G8R and their variants (for one load cell)	240108

ACCESSORIES

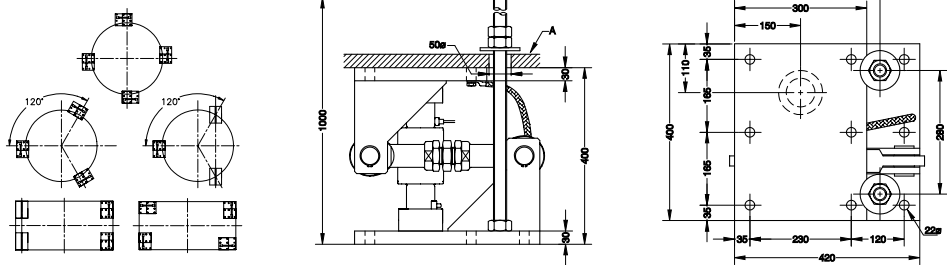
SPECIFICATIONS

FEATURES

Nominal capacity (E_{max})	100 - 200 t
Maximum transverse displacement to the retaining arm	± 5 mm
Maximum admissible force in the direction of the retaining arm	180 kN
Maximum admissible lifting force	228 kN
Maximum admissible vertical displacement (A)	3 mm
Material	Zinc-plated steel
Transport weight	98 kg



Dimensions (mm)



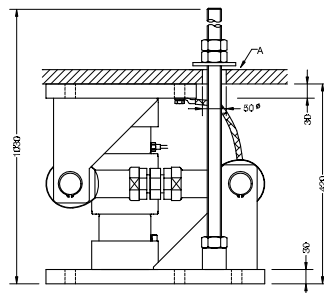
GIP ACCESSORIES | SUPPORT FOR SILOS 100 t - 200 t

Reference	Description	Code
AC74909	Complete support for silos, with anti-tip for 100 and 200 t load cells GIP and their variants (for one load cell)	240109

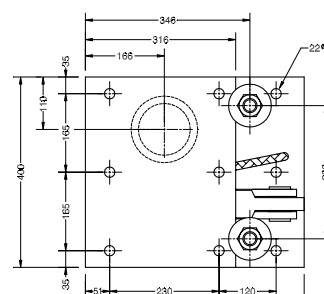
SPECIFICATIONS

FEATURES

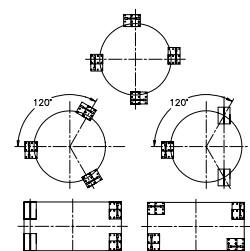
Nominal capacity (E_{max})	400 t
Maximum transverse displacement to the retaining arm	± 5 mm
Maximum admissible force in the direction of the retaining arm	240 kN
Maximum admissible lifting force	330 kN
Maximum admissible vertical displacement (A)	3 mm
Material	Zinc-plated steel
Transport weight	130 kg



Front view



Top view



Dimensions (mm)

GIP ACCESSORIES | SUPPORT FOR SILOS 400 t

Reference	Description	Code
AC74910	Complete support for silos, with anti-tip for 400 t load cells GIP and their variants (for one load cell)	240164



TENSION

Tension load cells are used for weighing in silos and suspended hoppers, as well as in lifting systems such as elevators, freight lifts and cranes.

They are also key in overload protection and in material testing applications where it is necessary to measure tension forces precisely.

Model		Capacity (kg)
G1T	M	30-2.500
G2T	M	750-5.000
G1G	M	500-12.500

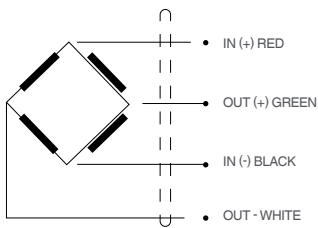
G1T



TENSION

MIN. **30 kg**
MAX. **2500 kg**

APPLICATIONS:
silos and hoppers.



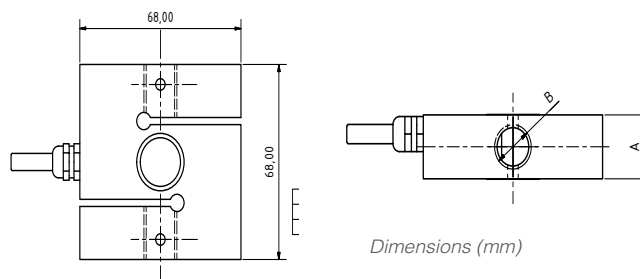
PRODUCT DESCRIPTION

- » Tension load cell.
- » 3000 divisions OIML R60 class C.
- » Hermetic sealing laser welded.
- » Construction in stainless steel.
- » IP68 protection (EN60529).

SPECIFICATIONS

FEATURES

Nominal capacity (E_{max})	30, 50, 100, 150, 300, 500, 750, 1000, 1500, 2000, 2500 kg
Accuracy class	C3
Minimum operating load	0 kg
Maximum service load	150 % E_{max}
Breaking limit load	200 % E_{max}
Combined error	$< \pm 0.017 \% C_n$
Repeatability error	$< \pm 0.015 \% C_n$
Effect of temperature on zero	$< \pm 0.01 \% C_n / 5^{\circ}C$
Effect of temperature on sensitivity	$< \pm 0.006 \% C_n / 5^{\circ}C$
Creep error (30 minutes)	$< \pm 0.016 \% C_n$
Compensated temperature range	From $-10^{\circ}C$ to $+40^{\circ}C$
Operating temperature range	From $-20^{\circ}C$ to $+50^{\circ}C$
Nominal sensitivity (C_n)	$2 \pm 0.1 \% mV/V$
Nominal supply voltage	10 V
Maximum supply voltage	15 V
Input resistance	$386 \Omega \pm 2 \%$
Output resistance	$350 \pm 3 \Omega$
Initial imbalance	$< \pm 2 \% C_n$
Insulation resistance	$> 5000 M\Omega$
Maximum deformation	0,2-0,4 mm
Cable length	5 m



E_{max} (kg)	30	50	100	150	300	500	750	1000	1500	2000	2500
A	12,5	12,5	12,5	12,5	20	20	25	25	25	25	25
B	M6	M8	M8	M8	M12	M12	M16	M16	M16	M16	M16

G1T References

Reference	Nominal cap. - E_{max} (kg)	OIML accuracy class n.	$Y = E_{max} / v_{min}$	Code
G1T 30	30	C3	8000	230694
G1T 50	50	C3	8000	230695
G1T 100	100	C3	8000	230696
G1T 150	150	C3	8000	230697
G1T 300	300	C3	8000	230698
G1T 500	500	C3	8000	230699
G1T 750	750	C3	8000	230700
G1T 1000	1000	C3	8000	230701
G1T 1500	1500	C3	8000	230702
G1T 2000	2000	C3	8000	230703
G1T 2500	2500	C3	8000	230704



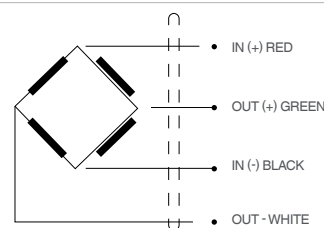
G2T



TENSION

MIN. **750 kg**
MAX. **5000 kg**

APPLICATIONS:
silos and hoppers.



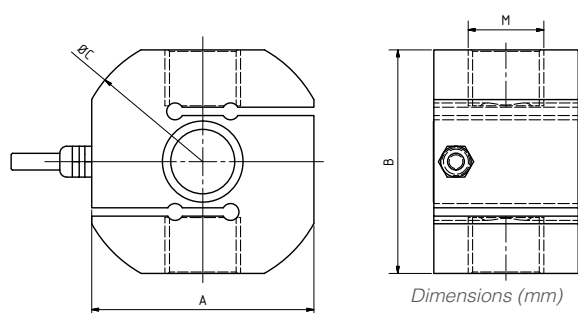
PRODUCT DESCRIPTION

- » Tension load cell.
- » 3000 divisions OIML R60 class C.
- » Hermetic sealing laser welded.
- » Construction in stainless steel.
- » IP68 protection (EN60529).

SPECIFICATIONS

FEATURES

Nominal capacity (E_{max})	750, 1000, 1500, 2000, 2500, 3000, 5000 kg
Accuracy class	C3
Minimum operating load	0 kg
Maximum service load	150 % E_{max}
Breaking limit load	200 % E_{max}
Combined error	$< \pm 0.017 \% C_n$
Repeatability error	$< \pm 0.015 \% C_n$
Effect of temperature on zero	$< \pm 0.01 \% C_n / 5^{\circ}C$
Effect of temperature on sensitivity	$< \pm 0.006 \% C_n / 5^{\circ}C$
Creep error (30 minutes)	$< \pm 0.016 \% C_n$
Compensated temperature range	From $-10^{\circ}C$ to $+40^{\circ}C$
Operating temperature range	From $-20^{\circ}C$ to $+50^{\circ}C$
Nominal sensitivity (C_n)	$2 \pm 0.1 \% mV/V$
Nominal supply voltage	10 V
Maximum supply voltage	15 V
Input resistance	$386 \Omega \pm 2 \%$
Output resistance	$350 \pm 3 \Omega$
Initial imbalance	$< \pm 2 \% C_n$
Insulation resistance	$> 5000 M\Omega$
Maximum deformation	0,2-0,4 mm
Cable length	5 m



C.N (kg)	A	B	Ø C	D	M
250-500	70	70	80	25	M12
750-1500	80	80	91,5	25	M16
2000-5000	94	94	105	42	M22

G2T References

Reference	Nominal cap. - E_{max} (kg)	OIML accuracy class n.	$Y = E_{max} / V_{min}$	Code
G2T 750	750	C3	8000	230625
G2T 1000	1000	C3	8000	230626
G2T 1500	1500	C3	8000	230627
G2T 2000	2000	C3	8000	230628
G2T 2500	2500	C3	8000	230629
G2T 3000	3000	C3	8000	230630
G2T 5000	5000	C3	8000	230631

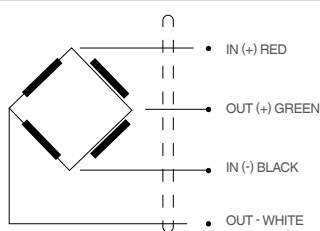
G1G



TENSION

MIN. **500 kg**
MAX. **12500 kg**

APPLICATIONS:
Elevators and freight lifts.
Overload protection.



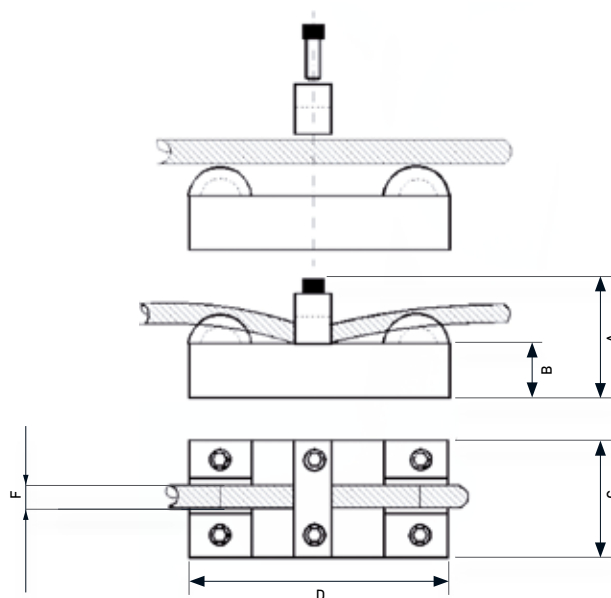
PRODUCT DESCRIPTION

- » Load cell for measuring tension in cables.
- » IP67 tightness (EN60529).
- » Hermetically sealed.
- » Construction in stainless steel.

SPECIFICATIONS

FEATURES

Nominal capacity (E_{max})	500, 3000, 5000, 7500, 12500 kg
Accuracy class	C1
Maximum service load	150 % E_{max}
Breaking limit load	400% E_{max}
Maximum combined error	0.02% E_{max}
Supply voltage	From 5V to 15V
Input resistance	386 $\Omega \pm 2\%$
Output resistance	350 $\pm 3\%$
Compensated temperature range	From -10 °C to +40 °C
Nominal sensitivity (C_n)	2 mV/V $\pm 1\%$
Insulation resistance	> 5000 M Ω
Cable length	5 m



Dimensions (mm)

Model	$\varnothing F$	A	B	C	D
G1G 500 - 5000	4-15	80	25	73	230
G1G 3000 - 7500	4-24	70	25	60	230
G1G 5000 - 12500	4-35	55	25	40	180

G1G references

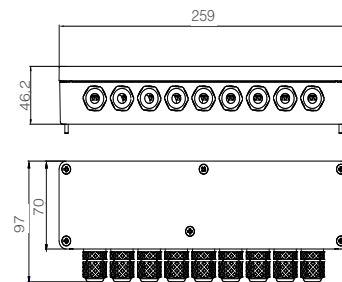
Reference	Nominal cap. - E_{max} (kg)	OIML accuracy class n.	$Y = E_{max}/V_{min}$	Code
G1G 500-5000	500-5000	C1	7500	230581
G1G 3000-7500	3000-7500	C1	7500	230580
G1G 5000-12500	5000-12500	C1	7500	230579



giropes



ACCESSORIES



Dimensions (mm)

≤ 8 CELLS

JUNCTION BOX IP66

Reference	Description	Code
GBOX8	ABS junction box up to 8 load cells. IP66	240442
GBOX8D	Giropes digital junction box hermetic ABS 8 load cells. IP66	240487



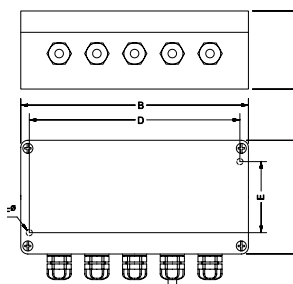
AC8CLGBOX



AC8CLGBOXD

CONNECTION CIRCUIT

Reference	Description	Code
AC8CLGBOX	Connection circuit up to 8 load cells	240447
AC8CLGBOXD	Digital connection circuit for up to 8 load cells	240066



Dimensions (mm)

Reference	A	B	C	D	E	Ø F	Transport weight	material
89002	60	240	80	228	50	4,2	0,7 kg	Plastic
89053	45	160	80	148	50	4,2	0,3 kg	Plastic
89068	54	250	80	238	52	4,8	1,0 kg	Aluminum
89092	52	250	80	238	52	4,8	1,0 kg	Aluminum
89093	57	175	80	163	52	4,8	0,8 kg	Aluminum
89128	57	175	80	163	52	4,8	0,8 kg	Aluminum

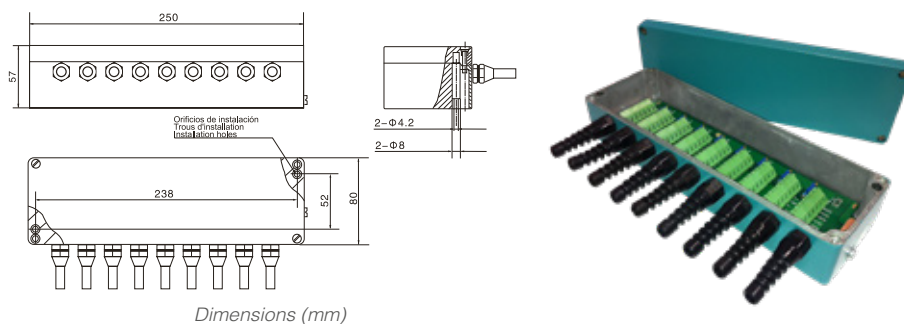
≥ 4 | ≤ 8 CELLS

JUNCTION BOX

Reference	Description	Code
AC89002	Hermetic plastic junction box up to 8 load cells	240044
AC89053	Hermetic plastic junction box up to 4 load cells	240045
AC89128	Hermetic junction box up to 4 load cells with overvoltage protection	240053
AC89068	Hermetic aluminum junction box up to 8 load cells with overvoltage protection	240046
AC89093	Hermetic aluminum junction box up to 4 load cells in ATEX version  zone 0, 1, 2, 20, 21, 22	240052
AC89092	Hermetic aluminum junction box up to 8 load cells in ATEX version  zone 0, 1, 2, 20, 21, 22	240051

CONNECTION CIRCUIT

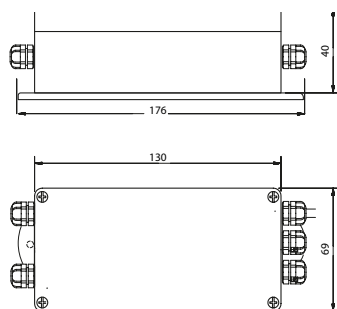
Reference	Only circuit and components without box	Code
AC89069	A connection circuit up to 4 load cells	240047
AC89070	A connection circuit up to 8 load cells	240048
AC89071	A connection circuit up to 8 load cells with discharge devices	240049



≥ 2 | ≤ 8 LOAD CELLS

JUNCTION BOX

Reference	Description	Code
AC90008	Hermetic aluminum junction box from 2 to 8 load cells	240061



Cables not included.

≤ 4 LOAD CELLS

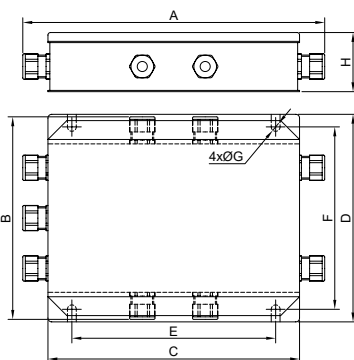
JUNCTION BOX IP68

Reference	Description	Code
WBOX4	Junction box ABS IP68 WBOX4 up to 4 load cells	240450

SEALANT GEL KIT

Reference	Description	Code
-	Sealant and insulating gel kit for the protection of electronic circuits	240185

ACCESSORIES



Dimensions (mm)

Reference	A	B	C	D	E	Ø F	H	Material
AC90001	240	165	200	170	162	155	45	Stainless steel
AC90002	175	- - -	132	110	168	35	37	Stainless steel

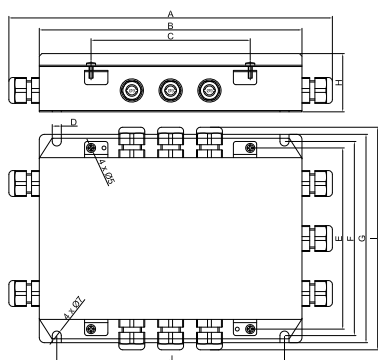
≥ 4 | ≤ 8 CELLS

JUNCTION BOX

Reference	Description	Code
AC90001	Stainless steel junction box. Up to 8 load cells	240055
AC90002	Stainless steel junction box. Up to 4 load cells	240056

CONNECTION CIRCUIT

Reference	Only circuit and components without box	Code
AC90031	A connection circuit for up to 8 load cells for the AC90001 box	240122
AC90030	A connection circuit for up to 4 load cells for the AC90002 box	240076



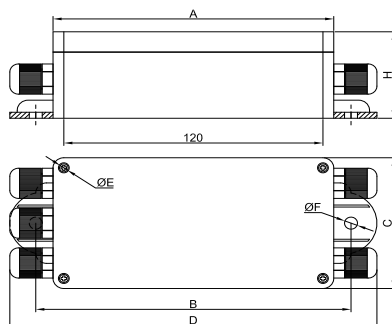
Transport weight 0.9 kg.
Dimensions (mm)

Reference	A	B	C	D	E	F	G	I	J	H	Material
AC90006	250	200	120	7	140	150	160	170	170	45	Stainless steel

≤ 10 LOAD CELLS

JUNCTION BOX

Reference	Description	Code
AC90006	Connection box of reduced dimensions in stainless steel. Up to 10 load cells	240059



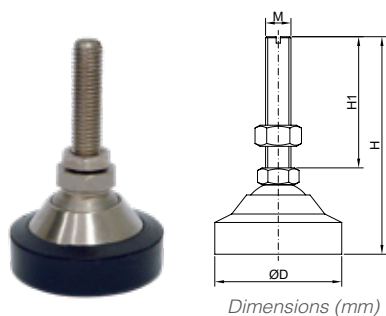
Dimensions (mm)

Reference	A	B	C	D	E	Ø F	H	Material
AC90004	130	146	65	170	3	6,5	43	Plastic

≤ 4 LOAD CELLS

JUNCTION BOX

Reference	Description	Code
AC90004	Connection box of reduced dimensions in plastic up to 4 load cells. IP66 protection	240057



Dimensions (mm)

M12 | M18

Load	H	H1	Ø D	M
0.5 - 2 t	90	50	60	M12 × 1.75
2 - 5 t	105	50	80	M18 × 1.75
2 - 5 t	130	90	100	M20 × 1.75

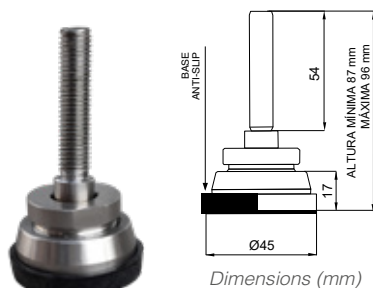
SELF-CENTERING FOOT

Self-centering foot with ball

Versions: nickel-plated steel and stainless steel

Rubber base

Reference	Options and accessories	Transport weight (kg)	Code
AC90010	Self-centering foot with ball M12 × 1.75, in nickel-plated steel	0,365	240063
AC90011	Self-centering foot with ball, M12 × 1.75, in stainless steel	0,330	240064
AC90012	Self-centering foot with ball, M18 × 1.75, in nickel-plated steel	0,910	240065
AC90022	Self-centering foot with ball, M20 × 1.75, in nickel-plated steel	1,620	240103



Dimensions (mm)

M12

SELF-CENTERING FOOT

Self-centering foot with ball

In stainless steel

Rubber base

Reference	Options and accessories	Transport weight (kg)	Code
INPIEPIV	Self-centering foot with ball M12 × 1.75, in stainless steel	0,250	240064



M12

SELF-CENTERING FOOT

Self-centering rod foot with spherical end

Versions: nickel-plated steel and stainless steel

Rubber base

Reference	Options and accessories	Transport weight (kg)	Code
AC90014	Self-centering foot with rod and spherical end M12 × 1.75, in nickel-plated steel	0,245	240067
AC90014i	Self-centering foot with rod and spherical end M12 × 1.75, in stainless steel	0,245	240068



M12

SELF-CENTERING FOOT

Self-centering foot with sliding cylinder

In nickel-plated steel

Reference	Options and accessories	Transport weight (kg)	Code
AC90024	Self-centering foot with sliding cylinder M12 × 1.75, in nickel-plated steel	0,370	240439



M12

LEVELING FOOT

Leveling foot

In nickel-plated steel

Rubber base

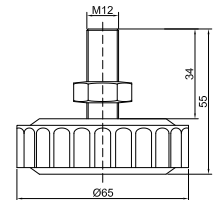
Reference	Options and accessories	Transport weight (kg)	Code
AC90025	Leveling foot with rubber base M12 × 1.75, in nickel-plated steel	0,265	240440

ACCESSORIES

M12

LEVELING FOOT

Rigid leveling foot
In galvanized steel
Rubber base



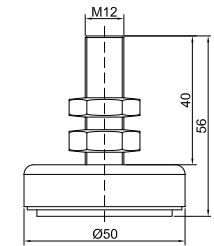
Dimensions (mm)

Reference	Options and accessories	Transport weight (kg)	Code
AC90019	Leveling foot for single-cell platforms M12, in galvanized steel	0,090	240072

M12

LEVELING FOOT

Rigid leveling foot
In stainless steel
Base in hard plastic



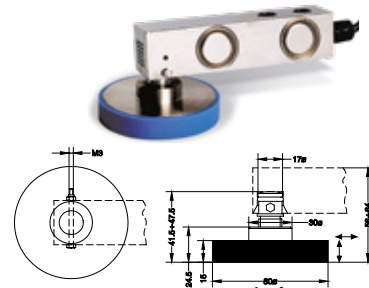
Dimensions (mm)

Reference	Options and accessories	Transport weight (kg)	Code
AC90020	Leveling foot for platforms single cell, in stainless steel	0,120	240073

Ø 17 | Ø 80

SELF-CENTERING FOOT

Self-centering foot with sliding cylinder
In stainless steel
Base in hard plastic



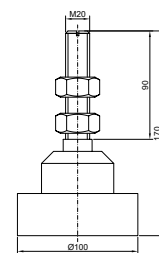
Dimensions (mm)

Reference	Options and accessories	Transport weight (kg)	Code
AC90016	Self-centering sliding cylinder foot in stainless steel and rubber, cylinder Ø 17 base Ø 80	0,290	240070

M20

SELF-CENTERING FOOT

Self-centering foot with ball
Versions: nickel-plated steel and stainless steel
Up to 10 t



Dimensions (mm)

Reference	Options and accessories	Transport weight (kg)	Code
PIV100 z	Self-centering foot with ball, M20, in nickel-plated steel	2,600	700055
PIV100	Self-centering foot with ball, M20, in stainless steel	2,600	700054

M12

SELF-CENTERING FOOT

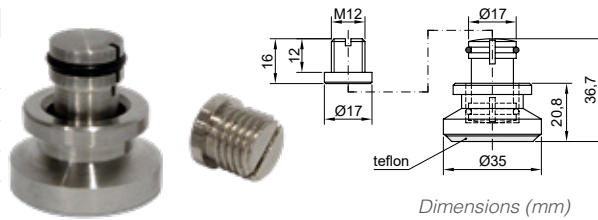
Self-centering foot with sliding cylinder

Low height

In stainless steel

Teflon base

Includes the accessory to adjust its height



Dimensions (mm)

Reference	Options and accessories	Transport weight (kg)	Code
AC90015	Self-centering foot with sliding cylinder in stainless steel, cylinder Ø 17, base Ø 35	0,120	240069

M12

M16

M20

M22

M24



Description	Code
Ball joint M12	240444
Ball joint M16	240445
Ball joint M20	240512
Ball joint M22	240446
Ball joint M24	240513

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GIROPES

30 years serving industrial weighing



Development objectives

ESG CRITERIA AT GIROPES

Giropes is establishing a new strategy committed to sustainability and corporate responsibility to address environmental, social, and governance challenges, and to attract professionals and customers committed to a more sustainable way of doing business.

The key areas in which we integrate our strategy include resource management, production, supply chain, waste management, and the relationship with stakeholders, reaffirming the pursuit of excellence in a responsible manner at both social and environmental levels.

The criteria ESG at Giropes

Achieve a fairer and more sustainable future for all people and for the planet



ENVIRONMENTAL

Our goal is to reduce greenhouse gas emissions to address climate change and the impact of our activities on the planet.

ACTIONS:

Energy efficiency. Giropes' facilities in Girona and those in Toledo have solar panels with 268 panels, providing enough capacity to produce green energy sufficient to, together with other corrective consumption actions, cover the entire electricity consumption (in the case of Girona) through self-generation. This new investment will generate an estimated reduction of 37 tons of CO² emissions per year at the Vilamalla facilities and 15 tons in Toledo.

Waste management. Replacement of plastic strapping with eco-friendly strapping, resulting in a saving of almost 27 km of tape at Baxtran and more than 10 km in Giropes brand packaging (applied since 2023). Replacement of bubble wrap with kraft paper for filling and protecting the product in the box (applied since 2023). The rigor of the selective waste collection system, especially for cardboard and iron, has been increased in collaboration with the recycling company Sersall.

Production efficiency. This year, the decision was made to invest in the modernization of robotics in the truck scales production plant. In this regard, the replacement of the robotic welding line was proposed, seeking an improvement in the system itself, but also aiming for savings and improved energy efficiency.

Supply chain. In the manufacturing of truck scales, our suppliers work with CELSA Group, which has obtained the UNE-EN ISO 14201 certificate. This certification guarantees that our scales are manufactured with a recycled material (scrap) content of over 90% and that they are subsequently 100% recyclable. This requirement is verified in the periodic inspections carried out at the factory as part of the N mark product certification by AENOR.



SOCIAL

Giropes promotes actions aimed at the development of people, occupational safety, and information protection.

ACTIONS:

Training. Training schedules focused on different teams to improve their linguistic, technical, and other skills.

Cybersecurity. Protecting digital assets is essential for the integrity and confidentiality of information. Some actions carried out include: staff awareness, access management, firewalls and other protections, data encryption, and supplier evaluation.

Customer satisfaction. In compliance with ISO 9001, we conduct an annual survey of our customers regarding satisfaction with product and service.

Gender equality and diversity. Development of the Equality Plan and implementation of awareness and corrective actions. Implementation of the workplace harassment protocol.

Health and safety. Psychosocial studies and prevention of occupational risks.

CORPORATE

It includes supervision, structures, policies, rules, and controls related to ownership, leadership, processes, and risk management of the company.

ACTIONS:

Management committee. We have a management committee made up of different members of the company's management with a diversity of perspectives and sensitivities, where various decisions and aspects are discussed at the organizational level.

Responsibility structure. Preparation of the organizational chart of responsibilities and functions of the different departments and their interrelation, ensuring alignment with industry expectations and standards.

Responsible business practices and processes. Giropes conducts internal and external audits to establish management policies and practices supervised by experienced, empowered, and responsible leaders.

Public disclosure of the company's ESG objectives. Giropes disseminates its ESG objectives through internal communications, annual reports, its website, social media, and press releases.

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THE VALUE OF WEIGHT

We believe that sustainable growth is only possible when technology, precision, and commitment move in the same direction.

Our values define how we design, manufacture, and support each industrial weighing solution, and are the foundation of the trust we build with our customers, partners, and collaborators in every project.

INNOVATION

Innovation is the driving force behind our evolution. We develop our own industrial weighing solutions, integrating hardware, software, and advanced technology to anticipate the needs of the sector and move towards Industry 4.0.

QUALITY

Quality is a non-negotiable principle. We design and manufacture under strict European standards to guarantee precision, reliability, and durability in every solution.

CUSTOMER SERVICE

Customer service is part of our value proposition. We support our customers throughout the entire lifecycle of the solutions, with specialized technical support and a relationship based on closeness and trust.

RESPONSIBILITY AND SUSTAINABILITY

We act responsibly in every decision. We are committed to efficient and long-lasting solutions that optimize resources and contribute to a safer and more sustainable industry.

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.
- » We remind you that there is a section called "Reservation Note" to specify, when signing the delivery note, that the package shows 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.

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.

<https://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
 +34 972 527 212
service@giropes.com

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 payment is made within 15 days after receipt of the goods. The invoice with early payment discount will be issued if this has been indicated when formalizing your order at the time of shipping the goods; if we do not receive your payment within the indicated period, we will issue 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, Giropes reserves ownership of the delivered equipment until full payment for them has been made and under the established conditions.

Prices are RRP (taxes and shipping not included).

This image shows a single sheet of white paper with horizontal blue ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

This image shows a full page of blank, lined paper. It features approximately 20 evenly spaced horizontal blue lines across its entire width. The lines are thin and consistent in color, set against a plain white background. There are no margins, text, or other markings present on the page.

This image shows a single sheet of white paper with horizontal blue ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

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WEIGHING SOLUTIONS