

LOAD CELLS

2025 CATALOGUE



V1.1







GIROPES
WEIGHING SOLUTIONS

**”QUALITY &
MAXIMUM RELIABILITY**

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LOAD CELLS

SINGLE POINT

BENDING & SHEAR BEAM



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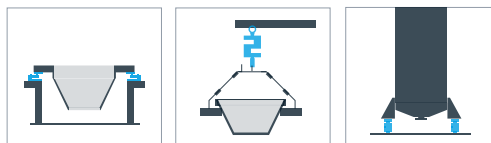
75 **TERMS OF SALE**

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Integrated Load Cells, Solutions for Industry

The Giropes product catalogue has been designed to provide solutions for diverse industrial processes, where weighing is essential for optimizing resources and production. We supply innovative solutions to leading companies worldwide in the food, Construction, and recycling sectors.

Reliable and Accurate Weighing **WEIGHING FOR TANKS, HOPPERS, REACTORS AND SILOS**



We provide solutions for hopper and silo weighing systems, offering all necessary components and devices to complete their installation.

Load Cells with various capacity levels, accuracies, and protection ratings, tailored to the requirements of the working environment.

Indicators that simplify automation processes and weighing system control.

REACTOR WEIGHING

Our LOAD CELL kits offer comprehensive weighing solutions specifically designed for reactor-type instruments.

SUSPENDED HOPPER WEIGHING

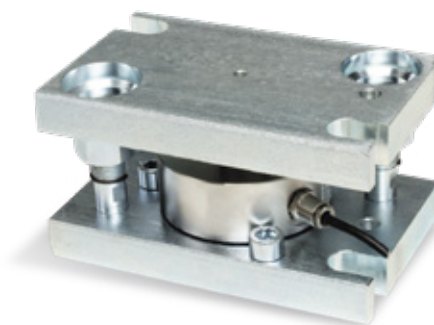
We offer various types of load cells to directly implement these solutions or use our accessories designed for tension applications.

SILO WEIGHING

Our mounting kits provide effective weighing solutions for silo or hopper-type instruments, including specialized silent blocks designed to absorb vibrations.

MOUNTING KITS

We offer a wide range of mounting solutions, designed to be integrated into existing installations or incorporated during the engineering and design phase. Our load cell mounting kits provide different levels of protection, capacities, and accuracy classes.



Weighing and Dosing **WEIGHING FOR PROCESS AUTOMATION**

We provide weighing solutions designed to optimise productivity and improve equipment availability. Our extensive and specialised catalogue offers a complete range of weighing and dosing solutions, specifically developed for integration into monitoring and control systems in manufacturing processes.

SINGLE POINT Load Cells

They are ideal for commercial, industrial, and process applications. Commonly used in counting scales, price computing scales, hoppers for bagging systems, automated production lines, conveyor belt weighing systems, and weighing applications across sectors such as food, pharmaceuticals, and logistics.

Their ability to withstand off-center loads makes them especially versatile in environments where weight distribution is uneven.



Model		Capacity	Page
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G6MD



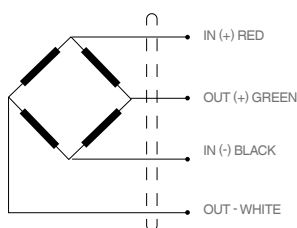
SINGLE POINT

min 2 kg
max 5 kg



APPLICATIONS

Single point platforms up to
400 × 400 m.



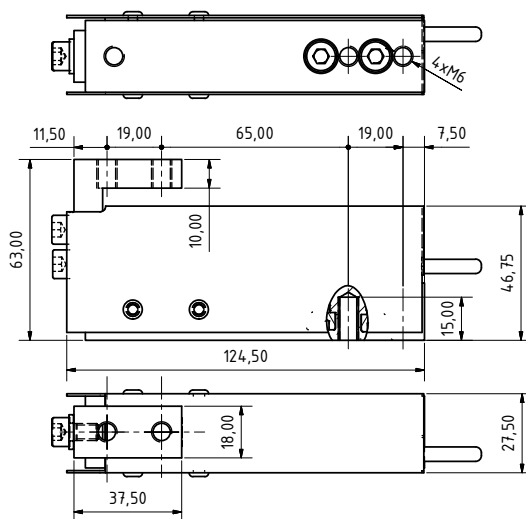
FEATURES

- Single point load cell.
- Shear beam load cell.
- Aluminum Construction.
- IP66 Protection (EN60529).
- 3000 divisions OIML R60 class C.
- Direct assembly at platform.
- High accuracy with off-center loads.
- Low profile.



SPECIFICATIONS

Maximum capacity (E_{max})	2,3,5 kg
Accuracy Class	C3
Minimum Dead Load	0 kg
Safe Overload	150 % E_{max}
Ultimate Load	200 % E_{max}
Maximum Combined Error	$< \pm 0,017 \% C_n$
Repeatability Error	$< \pm 0,015 \% C_n$
Temperature Effect on Zero	$< \pm 0,01 \% C_n / 5^{\circ}C$
Temperature Effect on Sensitivity	$< \pm 0,006 \% C_n / 5^{\circ}C$
Creep	$< \pm 0,016 \% C_n$
Compensated Temperature Range	$-10^{\circ}C \dots +40^{\circ}C$
Operating Temperature Range	$-20^{\circ}C \dots +50^{\circ}C$
Rated Output (C_n)	$2 \pm 0,1 \% mV/V$
Recommended Excitation Voltage	10 V
Maximum Excitation Voltage	15 V
Input Impedance	$400 \Omega \pm 2 \%$
Output Impedance	$350 \pm 3 \Omega$
Zero Balance	$< \pm 2 \% C_n$
Insulation Resistance	$> 5000 M\Omega$
Maximum Deflection	0,2-0,4 mm
Cable Length	5 m



Dimensions (mm)

CODE G6MD

Reference	Max. Capacity - E_{max} (kg)	Accuracy Class n. OIML	$Y = E_{max} / v_{min}$	Code #
G6MD-2	2	C3	7690	230601
G6MD-3	3	C3	7690	230602
G6MD-5	5	C3	7690	230605

G6M



SINGLE POINT

min 5 kg
max 40 kg

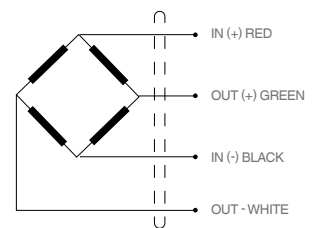


APPLICATIONS

Single point platforms up to
400 × 400 mm.



ALLOWED FOR OFF-CENTER LOADS

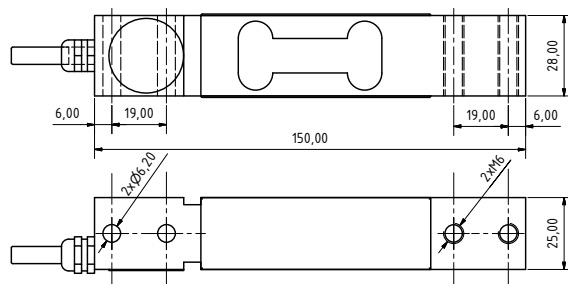


FEATURES

- Single point load cell.
- Bending beam load cell.
- Stainless Steel Construction.
- IP66 Protection (EN60529).
- 3000 divisions OIML R60 class C.
- Direct assembly at platform. (It is necessary to add the thickness. Not included)
- High accuracy with off-center loads.
- Low profile.

SPECIFICATIONS

Maximum capacity (E_{max})	5, 10, 15, 18, 20, 25, 30, 35, 40 kg
Accuracy Class	C3, C6
Minimum Dead Load	0 kg
Safe Overload	150 % E_{max}
Ultimate Load	200 % E_{max}
Maximum Combined Error	$< \pm 0,017 \% C_n$
Repeatability Error	$< \pm 0,015 \% C_n$
Temperature Effect on Zero	$< \pm 0,01 \% C_n / 5 ^\circ C$
Temperature Effect on Sensitivity	$< \pm 0,006 \% C_n / 5 ^\circ C$
Creep	$< \pm 0,016 \% C_n$
Compensated Temperature Range	-10 °C...+40 °C
Operating Temperature Range	-20 °C...+50 °C
Rated Output (C_n)	$2 \pm 0,1 \% mV/V$
Recommended Excitation Voltage	10 V
Maximum Excitation Voltage	15 V
Input Impedance	$386 \Omega \pm 2 \%$
Output Impedance	$350 \pm 3 \Omega$
Zero Balance	$< \pm 2 \% C_n$
Insulation Resistance	$> 5000 M\Omega$
Maximum Deflection	0,2-0,4 mm
Cable Length	5 m



Dimensions (mm)

CODE G6M

Reference	Max. Capacity - E_{max} (kg)	Accuracy Class n. OIML	$Y = E_{max} / v_{min}$	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



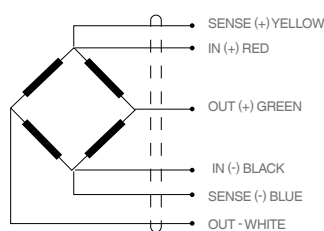
SINGLE POINT

50 kg



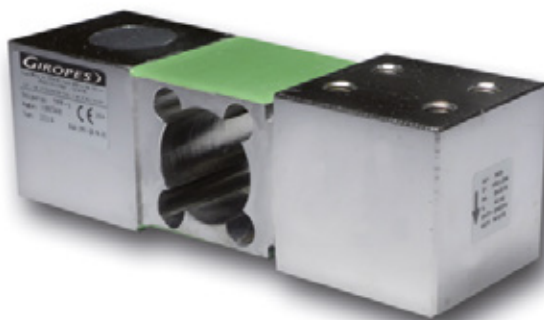
APPLICATIONS

Single point platforms up to
600 × 600 mm.
Bagging Hoppers.



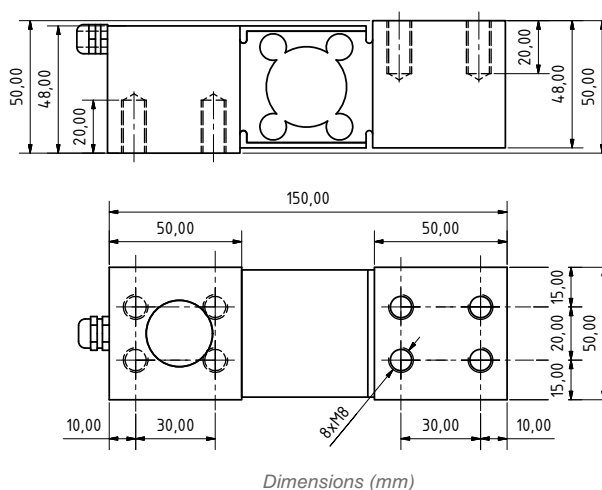
FEATURES

- Single point load cell.
- Shear beam load cell.
- Stainless Steel Construction.
- IP67 Protection (EN60529).
- 3000 divisions OIML R60 class C.
- Direct assembly at platform.
- High accuracy with off-center loads.
- Low profile.



SPECIFICATIONS

Maximum capacity (E_{max})	50 kg
Accuracy Class	C3
Minimum Dead Load	0 kg
Safe Overload	150 % E_{max}
Ultimate Load	200 % E_{max}
Maximum Combined Error	0,017 % C_n
Repeatability Error	0,015 % C_n
Temperature Effect on Zero	0,01 % $C_n/5^{\circ}\text{C}$
Temperature Effect on Sensitivity	0,006 % $C_n/5^{\circ}\text{C}$
Creep	0,016 % C_n
Compensated Temperature Range	-10 °C...+40 °C
Operating Temperature Range	-20 °C...+50 °C
Rated Output (C_n)	2 ± 0,1 % mV/V
Recommended Excitation Voltage	10 V
Maximum Excitation Voltage	15 V
Input Impedance	386 Ω ± 2 %
Output Impedance	350 ± 3 Ω
Zero Balance	2 % C_n
Insulation Resistance	> 5000 MΩ
Maximum Deflection	0,2-0,6
Cable Length	5 m



CODE G1M

Reference	Max. Capacity - E_{max} (kg)	Accuracy Class n. OIML	$Y = E_{max} / v_{min}$	Code #
G1M-50	50	C3	12500	230610

L6D



SINGLE POINT

min 3 kg
max 50 kg



FEATURES

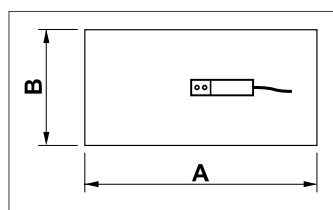
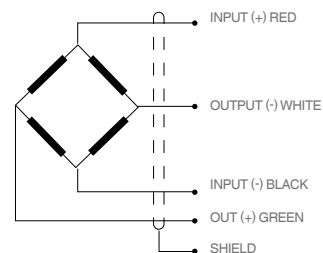
- Shear beam load cell.
- Anodized Aluminium Construction sealed with silicone.
- IP65 Protection.
- 3000 divisions OIML R60 class C.
- High accuracy with off-center loads.

SPECIFICATIONS

Maximum capacity (E_{max})	3,6,15,20,30,50 kg
Accuracy Class	C3
Rated Output (C_n)	$2,0 \pm 0,2$ mV/V
Maximum Number of Intervals	3000
Minimum Dead Load	0 kg
Safe Overload	150 % E_{max}
Recommended Excitation Voltage	10 V
Maximum Excitation Voltage	18 V
Zero Balance	± 2 % RO
Input Impedance	$409 \pm 6 \Omega$
Output Impedance	$350 \pm 3,5 \Omega$
Insulation Resistance	≥ 5000 M Ω
Compensated Temperature Range	-10 °C...+40 °C
Operating Temperature Range	-35 °C...+85 °C
Atmospheric Protection	IP65
Maximum Platform Size (recommended)	250 x 350 mm
Cable Length	0,4 m

APPLICATIONS

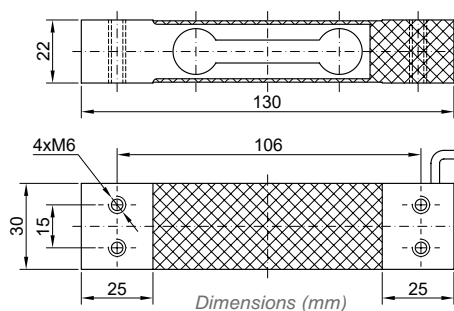
Single point platforms up to
250 x 350 mm.
Price Computing Scales.
Counting Scales.



Platform dimensions (mm)

Platform A x B

250 x 350



Dimensions (mm)

CODE L6D

Reference	Max. Capacity - E_{max} (kg)	Accuracy Class n. OIML	$Y = E_{max} / v_{min}$	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 POINT

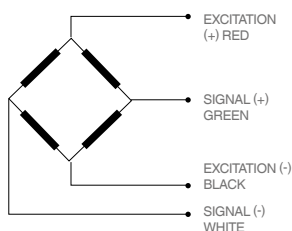
min 3-10 kg
max 50-100 kg



APPLICATIONS

Single point platforms up to
· 50 kg: up to 250 × 350 mm.
· 100 kg: consult.

ALLOWED FOR
OFF-CENTER LOADS



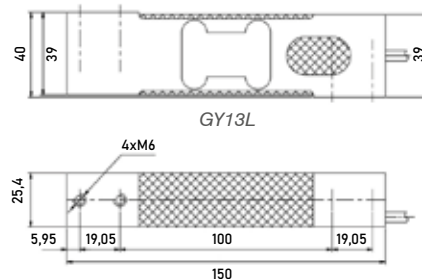
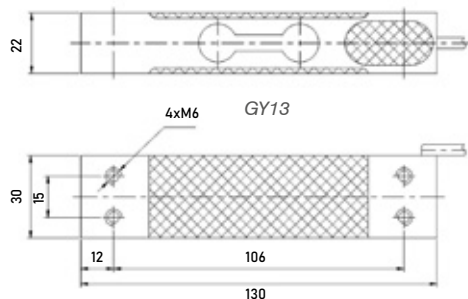
FEATURES

Single point load cell.
Shear beam load cell.
Anodized Aluminum Construction, sealed
with silicone.
IP65 Protection.
3000 divisions OIML R60 class C.

SPECIFICATIONS

	GY13		GY13L	
Maximum 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 Dead Load	0 kg			
Safe Overload	150 % E_{max}			
Rated Output (C_n)	2 mV/V $\pm$ 0,3 mV/V			
Minimum Dead Load Output Return Ratio $Z = E_{max} / (2 \times DR)$	6000			
Input Impedance	402 $\Omega \pm 15 \Omega$			
Operating Temperature Range	-10 °C...+40 °C			
Fraction p_{LC}	0,7			
Humidity Class	CH			
Output Impedance	365 $\Omega \pm 35 \Omega$			
Recommended Excitation Voltage	10 V AC / DC			
Maximum Excitation Voltage	15 V AC / DC			
Material	Aluminium			
Atmospheric Protection	Silicone Rubber			

* Value Included



Dimensions (mm)

CODE GY13

Max. Capacity - E_{max} (kg)	Reference	Accuracy Class n. OIML	$Y = E_{max} / v_{min}$	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	6000	231185	
35	GY13 - 35	C3	20000	231186	
40	GY13 - 40	C3	20000	231187	
50	GY13 - 50	C3	20000	231188	
100	-	-	-	-	-

CODE GY13L

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

G3M



SINGLE POINT

min 50 kg
max 200 kg



FEATURES

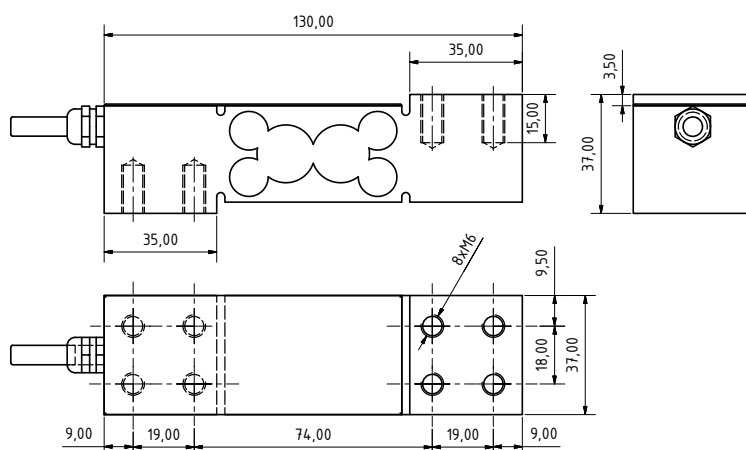
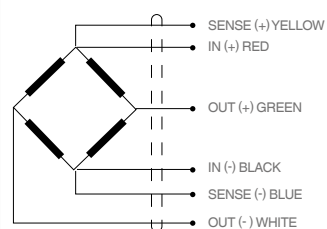
- Single point load cell.
- Bending beam load cell.
- Stainless Steel Construction.
- IP67 Protection (EN60529).
- 3000 divisions OIML R60 class C.
- Direct assembly at platform.
- High accuracy with off-center loads.
- Low profile.

SPECIFICATIONS

Maximum capacity (E_{max})	50,75,100,150,200 kg
Accuracy Class	C3
Minimum Dead Load	0 kg
Safe Overload	150 % E_{max}
Ultimate Load	200 % E_{max}
Maximum Combined Error	0,017 % C_n
Repeatability Error	0,015 % C_n
Temperature Effect on Zero	0,01 % $C_n/5$ °C
Temperature Effect on Sensitivity	0,006 % $C_n/5$ °C
Creep	0,016 % C_n
Compensated Temperature Range	-10 °C...+40 °C
Operating Temperature Range	-20 °C...+50 °C
Rated Output (C_n)	2 ± 0,1 % mV/V
Recommended Excitation Voltage	10 V
Maximum Excitation Voltage	15 V
Input Impedance	386 Ω ± 2 %
Output Impedance	350 ± 3 Ω
Zero Balance	2 % C_n
Insulation Resistance	> 5000 MΩ
Maximum Deflection	0,2-0,6
Cable Length	5 m

APPLICATIONS

Single point platforms up to
500 × 500 mm.
Bagging Hoppers.



Dimensions (mm)

CODE G3M

Reference	Max. Capacity - E_{max} (kg)	Accuracy Class n. OIML	$Y = E_{max} / v_{min}$	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



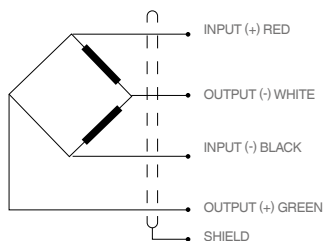
SINGLE POINT

min 60 kg
max 200 kg



APPLICATIONS

Single point platforms up to
400 × 400 mm.



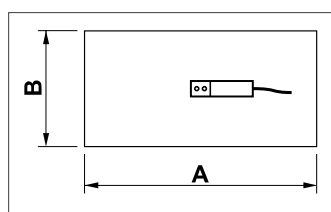
FEATURES

- Single point load cell.
- Shear beam load cell.
- Anodized Aluminum Construction, sealed with silicone.
- IP65 Protection.
- 3000 divisions OIML R60 class C.
- High accuracy with off-center loads.

SPECIFICATIONS

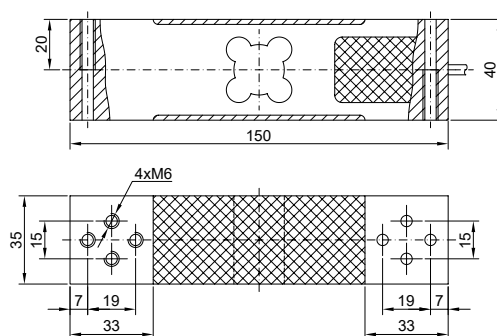
Maximum capacity (E_{max})	60,100,200 kg
Accuracy Class	C3
Rated Output (C_n)	$2,0 \pm 0,1 \text{ mV/V}$
Maximum Number of Intervals	3000
Minimum Dead Load	0 kg
Safe Overload	150 % E_{max}
Recommended Excitation Voltage	10 V
Maximum Excitation Voltage	12 V
Zero Balance	$\leq \pm 2 \%$ RO
Input Impedance	$406 \pm 6 \Omega$
Output Impedance	$350 \pm 3 \Omega$
Insulation Resistance	$\geq 5000 \text{ M}\Omega$
Compensated Temperature Range	-10 °C...+40 °C
Operating Temperature Range	-30 °C...+80 °C
Atmospheric Protection	IP65
Maximum Platform Size (recommended)	400 × 400 mm
Cable Length	2 m

Dimensions (mm)



Platform dimensions (mm)

Platform A × B
400 × 400



Shipping Weight 0,8 kg

CODE L6E

Reference	Max. Capacity - E_{max} (kg)	Accuracy Class n. OIML	$Y = E_{max} / v_{min}$	Code #
L6E-60	60	C3	10000	230365
L6E-100	100	C3	10000	230366
L6E-200	200	C3	10000	230367

GY15



SINGLE POINT

min 50 kg
max 300 kg

M 65
IP

FEATURES

- Single point load cell.
- Shear beam load cell.
- Anodized Aluminum Construction, sealed with silicone.
- IP65 Protection.
- 3000 divisions OIML R60 class C.
- High accuracy with off-center loads.

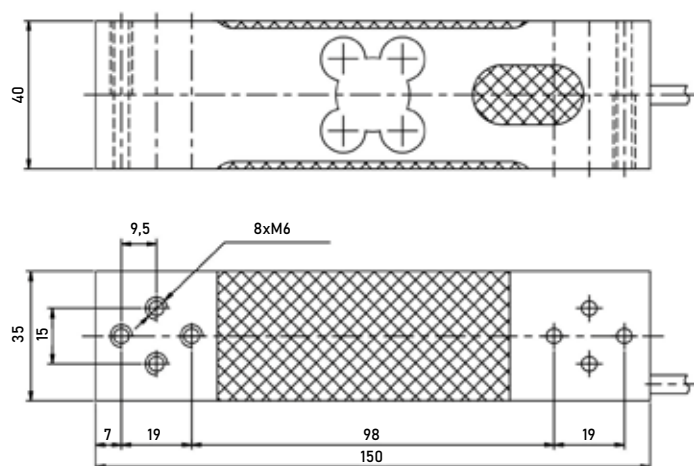
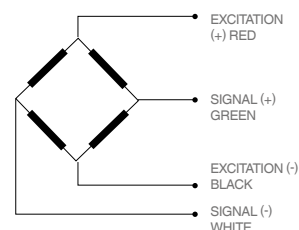
SPECIFICATIONS

Maximum capacity (E_{max})	50,60,100,200,300 kg
Minimum Dead Load	0 kg
Accuracy Class	C3
Rated Output (C_n)	2 mV/V
Maximum Number of Intervals (n)	6000
Minimum Verification Interval Ratio $Y = E_{max} / v_{min}$	20000
Minimum Dead Load Output Return Ratio $Z = E_{max} / (2 \times DR)$	6000
Input Impedance	$404\Omega \pm 10\Omega$
Compensated Temperature Range	-10 °C...+40 °C
Fraction p_{LC}	0,7
Humidity Class	NH
Safe Overload	150 % E_{max}
Output Impedance	$350\Omega \pm 3\Omega$
Recommended Excitation Voltage	10 V AC / DC
Maximum Excitation Voltage	15 V AC / DC
Material	Aluminium
Atmospheric Protection	Silicone Rubber

APPLICATIONS

Single point platforms
400 × 400 mm.

ALLOWED FOR
OFF-CENTER LOADS



Dimensions (mm)

CODE GY15

Reference	Max. Capacity - E_{max} (kg)	Accuracy Class n. OIML	$Y = E_{max} / v_{min}$	Code #
GY15 - 50	50	C3	6000	231198
GY13 - 60	60	C3	6000	231199
GY13 - 100	100	C3	6000	231201
GY13 - 200	200	C3	6000	231203
GY13 - 300	300	C3	6000	231204

GY17



SINGLE POINT

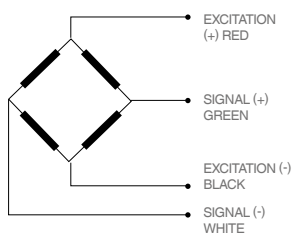
min 100 kg
max 500 kg



APPLICATIONS

Single point platforms up to
600 × 600 mm.

ALLOWED FOR
OFF-CENTER LOADS

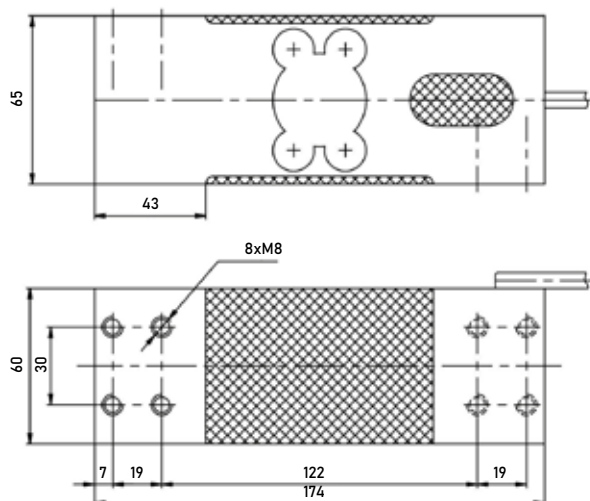


FEATURES

- Single point load cell.
- Aluminum Construction, sealed with silicone.
- IP65 Protection.
- 6000 divisions OIML R60 class C.
- High accuracy with off-center loads.

SPECIFICATIONS

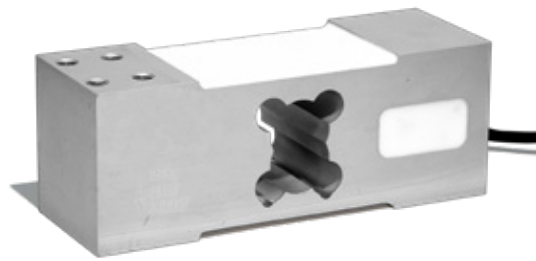
Maximum capacity (E_{max})	100,200,300,400,500 kg
Minimum Dead Load	0 kg
Accuracy Class	C3
Rated Output (C_n)	2 mV/V $\pm$ 0,3 mV/V
Maximum Number of Intervals (n)	6000
Minimum Dead Load	0 kg
Safe Overload	150 % E_{max}
Minimum Verification Interval Ratio $Y = E_{max} / v_{min}$	20000
Minimum Dead Load Output Return Ratio $Z = E_{max} / (2 \times DR)$	6000
Input Impedance	404 $\Omega \pm 10 \Omega$
Operating Temperature Range	-10 °C...+40 °C
Fraction p_{LC}	0,7
Humidity Class	NH
Safe Overload	150 % E_{max}
Output Impedance	350 $\Omega \pm 3 \Omega$
Recommended Excitation Voltage	10 V AC / DC
Maximum Excitation Voltage	15 V AC / DC
Material	Aluminium
Atmospheric Protection	Silicone Rubber



Dimensions (mm)

CODE GY17

Reference	Max. Capacity - E_{max} (kg)	Accuracy Class n. OIML	$Y = E_{max} / v_{min}$	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

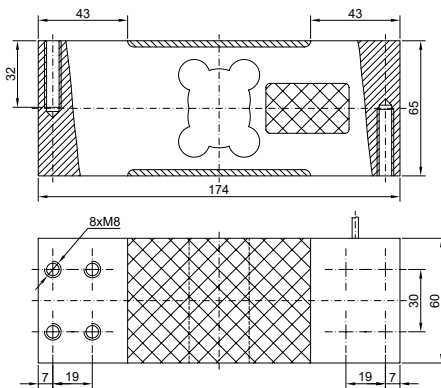


FEATURES

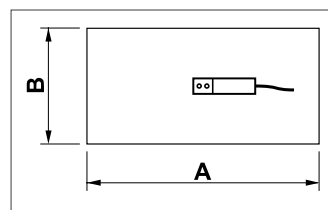
- Single point load cell.
- Anodized Aluminum Construction, sealed with silicone.
- IP65 Protection.
- 3000 divisions OIML R60 class C.
- High accuracy with off-center loads.

SPECIFICATIONS

Maximum capacity (E_{max})	100,200,500 kg
Accuracy Class	C3
Rated Output (C_n)	$2,0 \pm 0,2$ mV/V
Maximum Number of Intervals (n)	3000
Minimum Dead Load	0 kg
Safe Overload	150 % E_{max}
Recommended Excitation Voltage	5 - 12 V
Maximum Excitation Voltage	18 V
Zero Balance	$\leq \pm 2$ % RO
Input Impedance	409 ± 6 Ω
Output Impedance	350 ± 3 Ω
Insulation Resistance	≥ 5000 M Ω
Compensated Temperature Range	-10 °C...+40 °C
Operating Temperature Range	-35 °C...+65 °C
Atmospheric Protection	IP65
Maximum Platform Size (recommended)	600 × 600 mm ²
Cable Length	3 m



Shipping Weight 1,8 kg | Dimensions (mm)



Platform dimensions (mm)

Platform A × B
600 × 600

CATALOGUE

GIROPES)

L6G



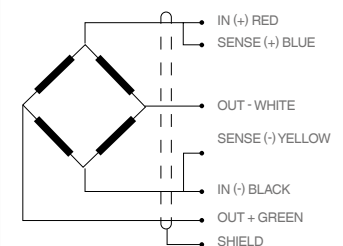
SINGLE POINT

min 100 kg
max 500 kg



APPLICATIONS

Single point platforms up to
600 × 600 mm.



CODE L6G

Reference	Max. Capacity - E_{max} (kg)	Accuracy Class n. OIML	$Y = E_{max} / v_{min}$	Code #
L6G-100	100	C3	12000	230373
L6G-200	200	C3	12000	230375
L6G-500	500	C3	12000	230378

G4M



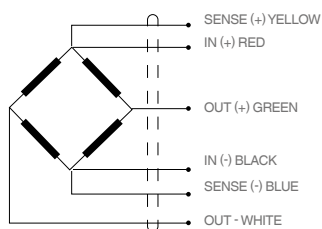
SINGLE POINT

min 100 kg
max 500 kg



APPLICATIONS

Single point platforms up to
600 × 600 mm.
Bagging Hoppers.



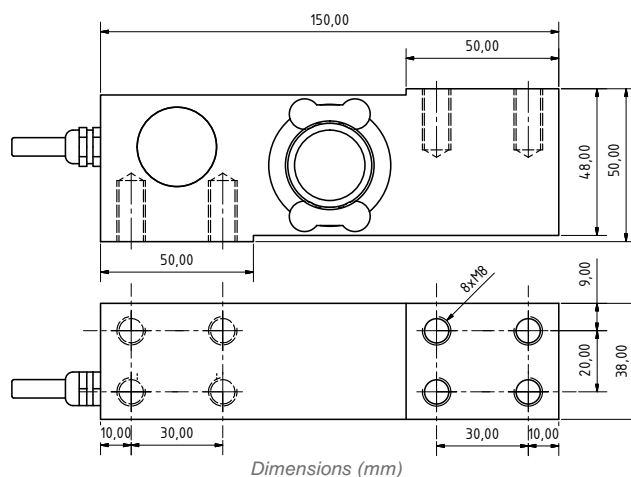
FEATURES

Single point load cell.
Stainless Steel Construction.
IP69K Protection (EN60529).
3000 divisions OIML R60 class C.
Direct assembly at platform.
High accuracy with off-center loads.
Low profile.



SPECIFICATIONS

Maximum capacity (E_{max})	100,150,200,300,360,500 kg
Accuracy Class	C3
Minimum Dead Load	0 kg
Safe Overload	150 % E_{max}
Ultimate Load	200 % E_{max}
Maximum Combined Error	$< \pm 0,017 \% C_n$
Repeatability Error	$< \pm 0,015 \% C_n$
Temperature Effect on Zero	0,01 % $C_n/5^{\circ}\text{C}$
Temperature Effect on Sensitivity	0,006 % $C_n/5^{\circ}\text{C}$
Creep	0,016 % C_n
Compensated Temperature Range	$-10^{\circ}\text{C} \dots +40^{\circ}\text{C}$
Operating Temperature Range	$-20^{\circ}\text{C} \dots +50^{\circ}\text{C}$
Rated Output (C_n)	$2 \pm 0,1 \% \text{ mV/V}$
Recommended Excitation Voltage	10 V
Maximum Excitation Voltage	18 V
Input Impedance	$386 \Omega \pm 2 \%$
Output Impedance	$350 \pm 3 \Omega$
Zero Balance	$< \pm 2 \% C_n$
Insulation Resistance	$> 5000 \text{ M}\Omega$
Maximum Deflection	0,2-0,5 mm
Cable Length	5 m



CODE G4M

Reference	Max. Capacity - E_{max} (kg)	Accuracy Class n. OIML	$Y = E_{max} / v_{min}$	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 POINT

min 200 kg
max 500 kg



FEATURES

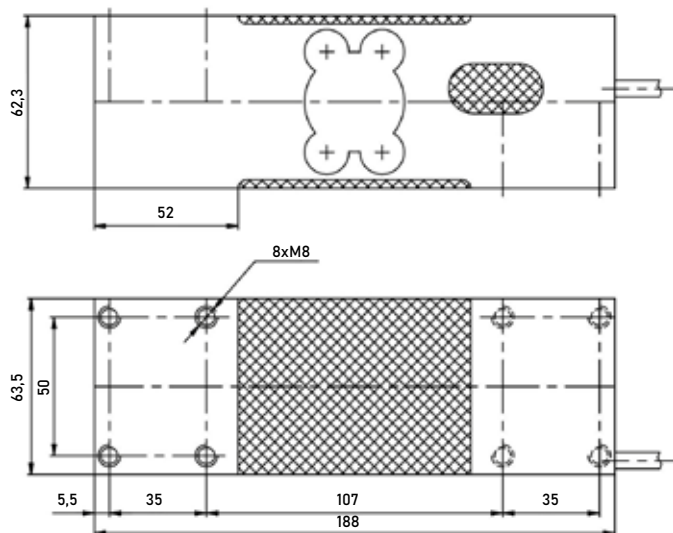
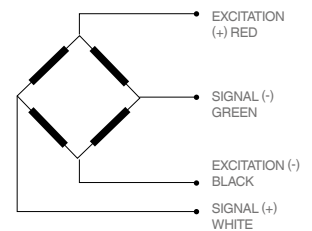
- Single point load cell.
- Anodized Aluminum Construction, sealed with silicone.
- IP65 Protection.
- 3000 divisions OIML R60 class C.
- High accuracy with off-center loads.

SPECIFICATIONS

Maximum capacity (E_{max})	200 kg	500 kg
Minimum Verification Interval Ratio $Y = E_{max} / v_{min}$	20000	17000
Minimum Dead Load Output Return Ratio $Z = E_{max} / (2 \times DR)$	6000	
Accuracy Class	C3	
Minimum Dead Load	0 kg	
Rated Output (C_n)	2 mV/V $\pm$ 0,3 mV/V	
Maximum Number of Intervals (n)	6000	
Input Impedance	404 $\Omega \pm$ 10 Ω	
Operating Temperature Range	-10 °C...+40 °C	
Fraction pLC	0,7	
Humidity Class	NH	
Safe Overload	150 % E_{max}	
Output Impedance	350 $\Omega \pm$ 3 Ω	
Recommended Excitation Voltage	10 V AC / DC	
Maximum Excitation Voltage	15 V AC / DC	
Material	Aluminium	
Atmospheric Protection	Silicone Rubber	

APPLICATIONS

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

ALLOWED FOR
OFF-CENTER LOADS

Dimensions (mm)

CODE GY18

Reference	Max. Capacity - E_{max} (kg)	Accuracy Class n. OIML	$Y = E_{max} / v_{min}$	Code #
GY18 - 200	200	C3	20000	231231
GY18 - 500	500	C3	17000	231234

L6F



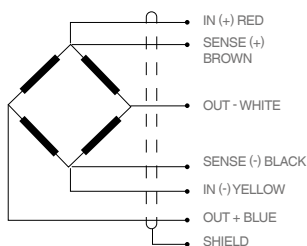
SINGLE POINT

min 250 kg
max 750 kg



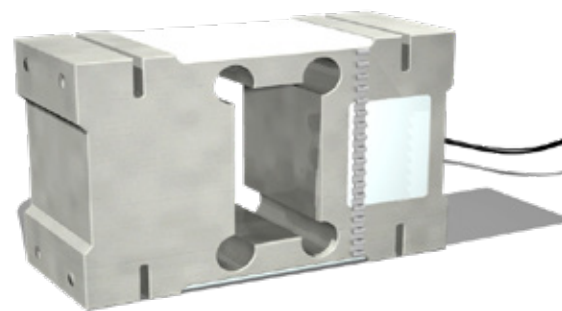
APPLICATIONS

Single point platforms up to
· model a: 800 × 800 mm.
· model b: 1200 × 1200 mm.
Counting Scales.



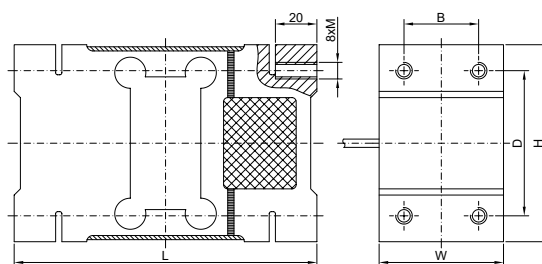
FEATURES

Single point load cell.
Shear beam load cell.
Anodized Aluminum Construction, sealed with silicone.
IP65 Protection.
3000 divisions OIML R60 class C.
High accuracy with off-center loads.

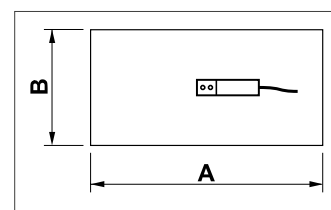


SPECIFICATIONS

Maximum capacity (E_{max})	250,500,750(a) kg	750(b) kg
Maximum Platform Size (recommended)	600 × 800 mm	1200 × 1200 mm
Accuracy Class	C3	
Rated Output (C_n)	2,0 ± 0,2 mV/V	
Maximum Number of Intervals	3000	
Minimum Verification Interval Ratio $Y = E_{max} / v_{min}$	7000	
Minimum Dead Load	0 kg	
Safe Overload	150 % E_{max}	
Recommended Excitation Voltage	5 - 12 V	
Maximum Excitation Voltage	18 V	
Zero Balance	≤ ± 2 % RO	
Output Impedance	409 ± 6 Ω	
Input Impedance	350 ± 3 Ω	
Insulation Resistance	≥ 5000 MΩ	
Compensated Temperature Range	-10 °C...+40 °C	
Operating Temperature Range	-35 °C...+65 °C	
Atmospheric Protection	IP65	
Cable Length	3 m	



Dimensions (mm)



Platform dimensions (mm)

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

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

CODE L6F

Reference	Max. Capacity - E_{max} (kg)	Accuracy Class n. OIML	$Y = E_{max} / v_{min}$	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 & SHEAR BEAM Load Cells

Bending or Shear Beam Load Cells are ideal for 4-load cell platforms, electronic or hybrid scales, and weighing systems in silos, hoppers, tanks, and reactors.

They offer high accuracy and reliability in demanding industrial environments.

Model		Capacity (kg)	PAGE
G2I	M	10-300	22
G34	M	15-1 500	24
G1i	M	50-1 500	26
G5Ti	M	300-2 500	27
G3S	M	150-5 000	28
G5N	M	300-5 000	29
G35	M	300-5 000	30
H8C	M	500-5 000	32
G5i	M	300-7 500	33

G2i



BENDING BEAM

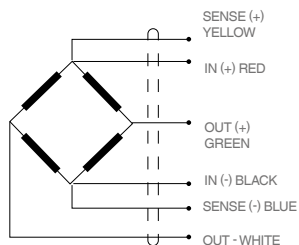
SHEAR BEAM

min 10 kg
max 300 kg



APPLICATIONS

Hybrid Scales.
Fully Electronic Scales.
Silos – Hoppers – Tanks.
4-Load Cell Platforms.
Industrial Environments.

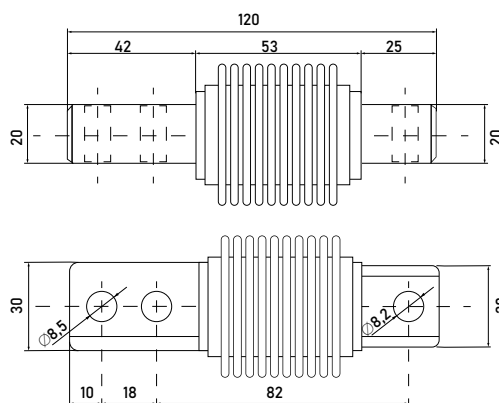


FEATURES

Bending beam load cell.
Stainless Steel Construction.
Hermetically Sealed with Laser Welding.
IP68 Protection (EN60529).
4000 divisions OIML R60 class C.

SPECIFICATIONS

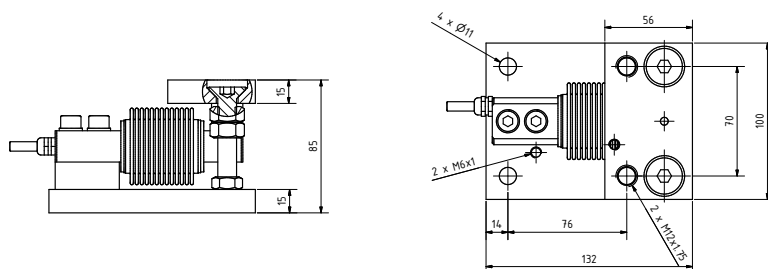
Maximum capacity (E_{max})	10,15,30,50,75,100,150,200,300 kg
Accuracy Class	C4
Minimum Dead Load	0 kg
Safe Overload	150 % E_{max}
Ultimate Load	200 % E_{max}
Maximum Combined Error	$< \pm 0,013 \% C_n$
Repeatability Error	$< \pm 0,01 \% C_n$
Temperature Effect on Zero	$< \pm 0,01 \% C_n / 5^{\circ}C$
Temperature Effect on Sensitivity	$< \pm 0,006 \% C_n / 5^{\circ}C$
Creep	$< \pm 0,012 \% C_n$
Compensated Temperature Range	$-10^{\circ}C \dots +40^{\circ}C$
Operating Temperature Range	$-20^{\circ}C \dots +50^{\circ}C$
Rated Output (C_n)	$2 \pm 0,1 \% mV/V$
Recommended Excitation Voltage	10 V
Maximum Excitation Voltage	15 V
Input Impedance	$386 \Omega \pm 2 \%$
Output Impedance	$350 \pm 3 \Omega$
Zero Balance	$< \pm 2 \% C_n$
Insulation Resistance	$> 5000 M\Omega$
Maximum Deflection	0,2-0,4 mm
Cable Length	5 m



Dimensions (mm)

CODE G2i

Reference	Max. Capacity - E_{max} (kg)	Accuracy Class n. OIML	$Y = E_{max} / v_{min}$	Code #
☒ G2i 10	10	C4	10000	230596
☒ G2i 15	15	C4	10000	230595
☒ 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
☒ G2i 250	250	C4	10000	230593
☒ G2i 300	300	C4	10000	230594

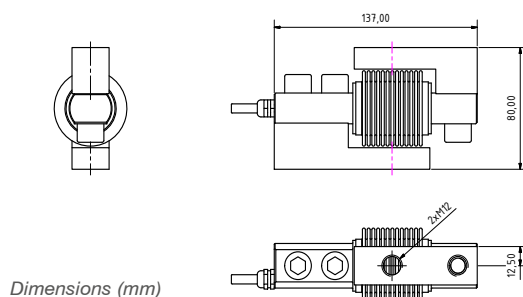


Dimensions (mm)

Reference	Description	Code #
-	Zinc-Plated Anti-Tip Tank Mount	240479
-	Stainless Steel Anti-Tip Tank Mount	240480

ANTI-TIP
TANK MOUNT

G2i

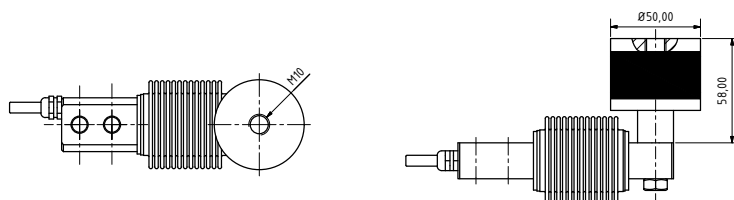


Dimensions (mm)

Reference	Description	Maximum capacity E_{max} (kg)	Code #
AC-G2i	Tension Accessories for ACG2i Load Cell	15-300	240154
ROTGM12	M12 Rod Ends		240444

ACCESSORIES FOR
TENSION APPLICATIONS

G2i

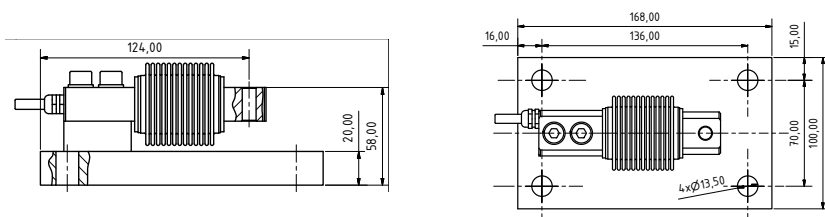


Dimensions (mm)

Reference	Description	Code #
AC30904	Silent Block	240470

SILENT BLOCK

G2i



Dimensions (mm)

Reference	Description	Code #
AC34903	Zinc-Plated Base Plate	240477
AC34903i	Stainless Steel Base Plate	240478

BASE PLATE

G2i

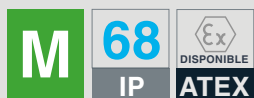
G34



BENDING BEAM

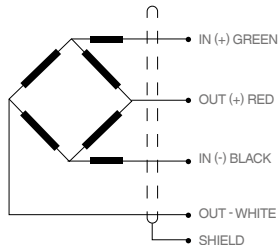
SHEAR BEAM

min 15 kg
max 1 500 kg



APPLICATIONS

4-Load Cell Platforms
Tanks
Tolvas



FEATURES

Bending beam load cell.
Full Stainless Steel Construction.
Hermetically Sealed, Fully Welded.
IP68 Protection (EN 60529).
Available in ATEX version Ex (optional).
Zone 0-1-2 (gas) and 20-21-22 (dust).
3000 divisions OIML R60 class C.

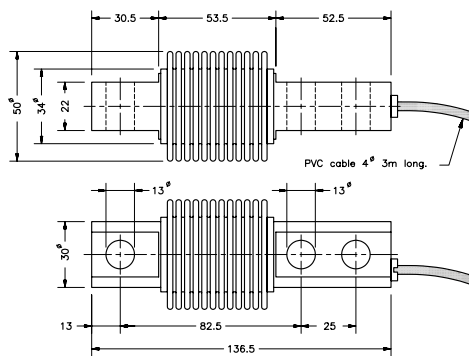


SPECIFICATIONS

Maximum capacity ($E_{\max}$)	15,30,50,75,100,150,200,250,300,500,750,1000,1500 kg
Accuracy Class	C3
Minimum Dead Load	0 kg
Safe Overload	150 % $E_{\max}$
Ultimate Load	200 % $E_{\max}$
Combined Error	$< \pm 0,017 \% C_n^{(1)}$
Repeatability Error	$< \pm 0,015 \% C_n$
Temperature Effect on Zero	$< \pm 0,01 \% C_n / 5 ^\circ\text{K}$
Temperature Effect on Sensitivity	$< \pm 0,006 \% C_n / 5 ^\circ\text{K}$
Creep (30 minutes)	$< \pm 0,016 \% C_n$
Compensated Temperature Range	$-10 ^\circ\text{C} \dots +40 ^\circ\text{C}$
Operating Temperature Range	$-30 - +70 ^\circ\text{C}$
Rated Output (C_n)	$2 \pm 0,1 \% \text{ mV/V}^{(2)}$
Recommended Excitation Voltage	10 V
Maximum Excitation Voltage	15 V
Input Impedance	400 ± 20
Output Impedance	350 ± 3
Zero Balance	$< \pm 2$
Insulation Resistance	$> 5000 \text{ M}\Omega$
Maximum Deflection	0,2-0,4
Cable Length	3 m

(1) Combined Error. Includes Non-Linearity and Hysteresis.

(2) $E_{\max} \leq 20 \text{ kg}$, $2 \pm 0.2 \%$

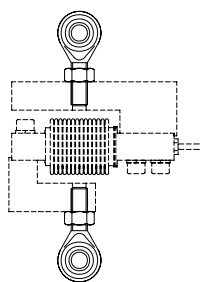


Dimensions (mm) | Shipping Weight 500g

Reference	Max. Capacity - $E_{\max}$ (kg)	Accuracy Class n. OIML	$Y = E_{\max} / v_{\min}$	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
Ex G34 -500	500	C3	10000	230313
Ex G34 -750	750	C3	10000	230314
Ex G34 -1000	1000	C3	10000	230315
Ex G34 -1500	1500	C3	10000	230316

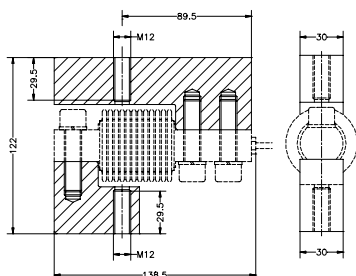
ACCESSORIES

Reference	Description	Code #
340ATEX	ATEX Option	-

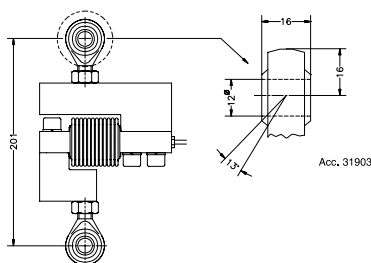


Shipping Weight
AC30901 1,9 kg
AC31903 0,4 kg
Dimensions (mm)

To achieve maximum accuracy, we recommend mounting with rod ends.



Acc. 34905



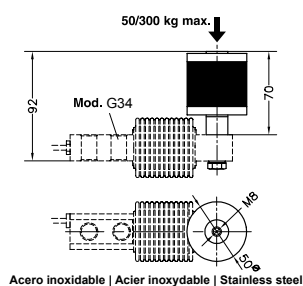
Acc. 31903



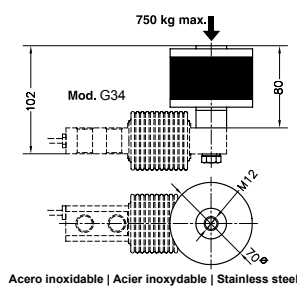
Reference	Description	Code #
AC34905	Accessories for G34 Tension Load Cell	240009
AC31903	Rod Ends for G34 Tension Accessories	240001

ACCESSORIES FOR
TENSION APPLICATIONS

G34



Acero inoxidable | Acier inoxydable | Stainless steel



Acero inoxidable | Acier inoxydable | Stainless steel

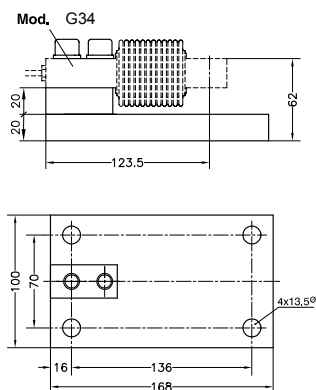
Dimensions (mm) | Shipping Weight 0,5 kg



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

SILENT BLOCK

G34



Dimensions (mm) | Shipping Weight 3 (kg)

Reference	Description	Code #
AC34903	Zinc-Plated Base Plate	240007
AC34903i	Stainless Steel Base Plate	240008



BASE PLATE

G34

G1i



BENDING BEAM

SHEAR BEAM

min 50 kg
max 1 500 kg



68

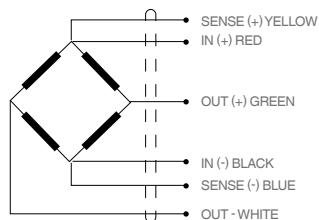
IP

69k

IP

APPLICATIONS

Hybrid Scales.
Fully Electronic Scales.
Silos – Hoppers – Tanks.
4-Load Cell Platforms.
Industrial Environments.



ACCESSORIES



G1i

ACCESSORIES FOR TENSION APPLICATIONS



AC34903

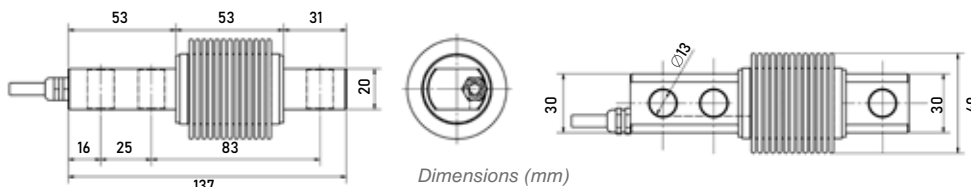
SILENT BLOCK BASE PLATE

FEATURES

Shear beam load cell.
Stainless Steel Construction.
Hermetically Sealed with Laser Welding.
IP69K Protection (EN60529).
4000 divisions OIML R60 class C.

SPECIFICATIONS

Maximum capacity (E_{max})	50,75,100,150,200,300,500,750,1000,1500 kg
Accuracy Class	C4
Minimum Dead Load	0 kg
Safe Overload	150 % E_{max}
Ultimate Load	200 % E_{max}
Maximum Combined Error	$< \pm 0,017 \% C_n$
Repeatability Error	$< \pm 0,015 \% C_n$
Temperature Effect on Zero	$< \pm 0,01 \% C_n / 5^{\circ}C$
Temperature Effect on Sensitivity	$< \pm 0,006 \% C_n / 5^{\circ}C$
Creep	$< \pm 0,016 \% C_n$
Compensated Temperature Range	-10 $^{\circ}C$...+40 $^{\circ}C$
Operating Temperature Range	-20 $^{\circ}C$...+50 $^{\circ}C$
Rated Output (C_n)	2 $\pm$ 0,1 % mV/V
Recommended Excitation Voltage	10 V
Maximum Excitation Voltage	15 V
Input Impedance	386 $\Omega \pm 2 \%$
Output Impedance	350 $\pm 3 \Omega$
Zero Balance	$< \pm 2 \% C_n$
Insulation Resistance	> 5000 M Ω
Maximum Deflection	0,2-0,4 mm
Cable Length	5 m



Dimensions (mm)

CODE G1i

Reference	Max. Capacity - E_{max} (kg)	Accuracy Class n. OIML	$Y = E_{max} / v_{min}$	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

ACCESSORIES G1i

Reference	Description	Code #
-	Tension Accessories (15 - 300 kg)	240471
-	Tension Accessories (500 - 1000 kg)	240472
-	Silent-Block Support (15 - 300 kg)	240467
-	Silent-Block Support (500 kg)	240468
-	Silent-Block Support (750 - 1000 kg)	240469
-	Zinc-Plated Base Plate	240473
-	Stainless Steel Base Plate	240474
-	Zinc-Plated Anti-Tip Tank Mount	240475
-	Stainless Steel Anti-Tip Tank Mount	240476

G5Ti



BENDING BEAM

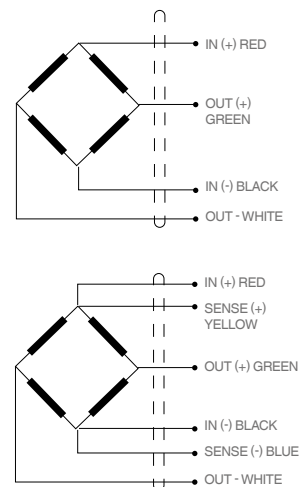
SHEAR BEAM

min 300 kg
max 2500 kg



APPLICATIONS

4-Load Cell Platforms.
Reactors,
Tanks and Hoppers.



ACCESSORIES

See page 34

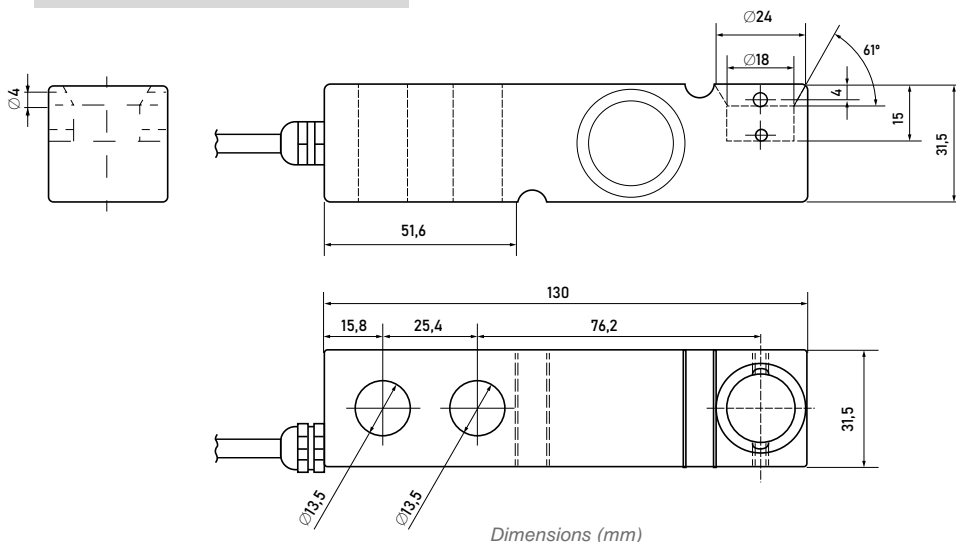
FEATURES

- 'T' Option for G5i (page 33).
- Shear beam load cell.
- Stainless Steel Construction.
- Hermetically Sealed with Laser Welding.
- IP69K Protection (EN60529).
- 3000 divisions OIML R60 class C.
- Stainless Steel Elastic Support.

SPECIFICATIONS

Maximum capacity (E_{max})	300,500,750,1000,1500,2000,2500 kg
Accuracy Class	C3
Minimum Dead Load	0 kg
Safe Overload	125 % E_{max}
Ultimate Load	150 % E_{max}
Maximum Combined Error	0,7 % N.L.
Repeatability Error	$< \pm 0,015 \% C_n$
Temperature Effect on Zero	$< \pm 0,01 \% C_n / 5^{\circ}C$
Temperature Effect on Sensitivity	$< \pm 0,006 \% C_n / 5^{\circ}C$
Creep (30 minutes)	$< \pm 0,016 \% C_n$
Compensated Temperature Range	-10 $^{\circ}C$...+40 $^{\circ}C$
Operating Temperature Range	-20 $^{\circ}C$...+70 $^{\circ}C$
Maximum Excitation Voltage	18 V
Input Impedance	$383 \Omega \pm 2 \% \text{ ó } 1100 \Omega \pm 2 \%$
Output Impedance	$350 \pm 3 \Omega \text{ ó } 1000 \pm 3 \Omega$
Rated Output (C_n)	2 mV/V $\pm 1 \%$
Insulation Resistance	$> 5000 M\Omega$
Cable Length	5 m

LOAD CELL G5Ti



CODE G5Ti

Reference	Max. Capacity - E_{max} (kg)	Accuracy Class n. OIML	$Y = E_{max} / v_{min}$	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 BEAM

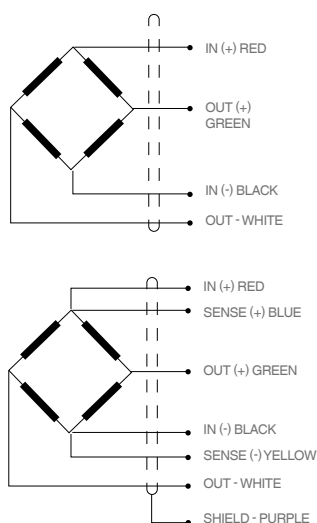
SHEAR BEAM

min 150 kg
max 5 000 kg



APPLICATIONS

4-Load Cell Platforms.
Reactors, Tanks and Hoppers.



FEATURES

Shear beam load cell.

Versions:

- G3S (150 kg): Fully Nickel-Plated Steel. Sealed with silicone IP68.
- G3S (30 kg - 5000 kg): Fully Nickel-Plated Steel. Fully Welded Hermetically Sealed, IP68.

3000 divisions OIML R60 class C.

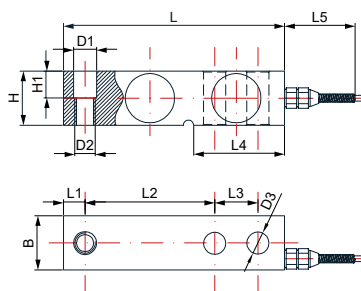
Optimized Corner Adjustment for Multi-Load Cell Systems.



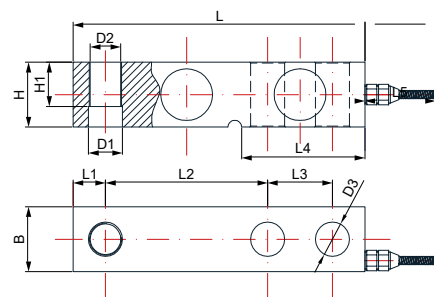
SPECIFICATIONS

Maximum capacity (E_{max})	150,300,750,1500,2000,2500,3000,5000 kg
Accuracy Class	C3
Minimum Dead Load	0 kg
Safe Overload	150 % E_{max}
Ultimate Load	200 % E_{max}
Compensated Temperature Range	-10 °C...+40 °C
Operating Temperature Range	-20 °C...+70 °C
Rated Output (C_n)	2mV/V (150-750 kg) 3 mV/V (1500-)
Recommended Excitation Voltage	10 - 12 V
Input Impedance	400 $\pm$ 20 Ω
Output Impedance	352 $\pm$ 3 Ω
Insulation Resistance	> 5000 M Ω

LOAD CELLS
G3S 150-2500 kg



LOAD CELLS
G3SiS 3000 -5000 kg



Dimensions (mm)

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	Ø13	M12	Ø13
3000-5000	171,5	19	95,3	38,1	72,5	42	38,1	26	Ø20	M18x1,5	Ø20

CODE G3S

Reference	Max. Capacity - E_{max} (kg)	Accuracy Class n. OIML	$Y = E_{max} / v_{min}$	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 BEAM

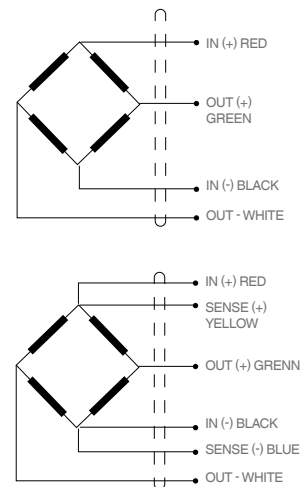
SHEAR BEAM

min 300 kg
max 5 000 kg



APPLICATIONS

4-Load Cell Platforms.
Reactors,
Tanks and Hoppers.



ACCESSORIES

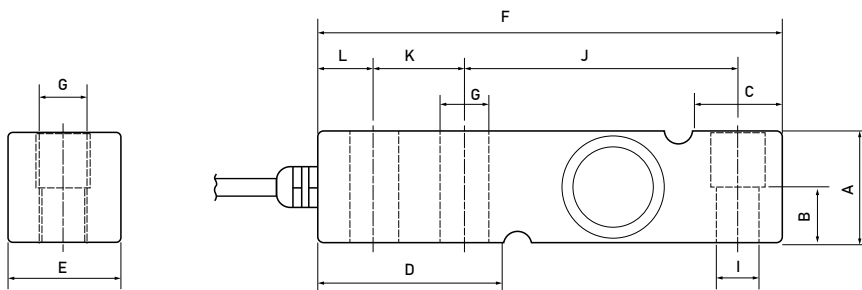
See page 34

FEATURES

Shear beam load cell.
Nickel-Plated Steel Construction.
Hermetically Sealed by Laser Welding.
IP68 Protection (EN60529).

SPECIFICATIONS

Maximum capacity (E_{max})	300,500,750,1000,1500,2000,2500,3000,5000 kg
Accuracy Class	C3
Minimum Dead Load	0 kg
Safe Overload	125 % E_{max}
Ultimate Load	150 % E_{max}
Maximum Combined Error	0,7 % N.L
Repeatability Error	$< \pm 0,015 \% C_n$
Temperature Effect on Zero	$< \pm 0,01 \% C_n / 5^{\circ}C$
Temperature Effect on Sensitivity	$< \pm 0,006 \% C_n / 5^{\circ}C$
Creep (30 minutes)	$< \pm 0,016 \% C_n$
Compensated Temperature Range	-10 °C...+40 °C
Operating Temperature Range	-20 °C...+70 °C
Maximum Excitation Voltage	5 a 12 V
Input Impedance	383 Ω $\pm$ 1k Ω $\pm$ 2 Ω
Output Impedance	350 Ω $\pm$ 1k Ω $\pm$ 2 Ω
Rated Output (C_n)	2 mV/V
Insulation Resistance	> 5000 M Ω
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	Ø13,5	M12	76,2	25,4	15,8
3000*-5000	38,1	12	--	72	38,1	171,5	20	M18	95,4	38,1	19

CODE G5N

Reference	Max. Capacity - E_{max} (kg)	Accuracy Class n. OIML	$Y = E_{max} / v_{min}$	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

*Note: 3t 1k Ω version has reduced dimensions

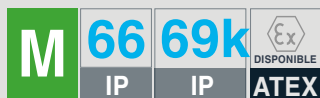
G35



BENDING BEAM

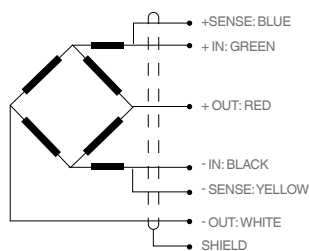
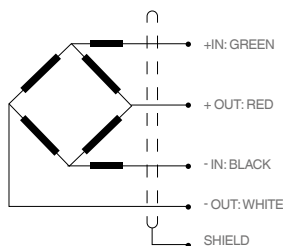
SHEAR BEAM

min 300 kg
max 5 000 kg



APPLICATIONS

4-Load Cell Platforms.
Reactors,
Tanks and Hoppers.



FEATURES

Shear beam load cell.

Versions:

- **G35i** (300 - 5000 kg): Full Stainless Steel Construction. 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).

Available in ATEX version Ex (optional). Zone 0-1-2 (gas) and 20-21-22 (dust).

3000 divisions OIML R60 class C.

Optimized Corner Adjustment for Multi-Load Cell Systems.



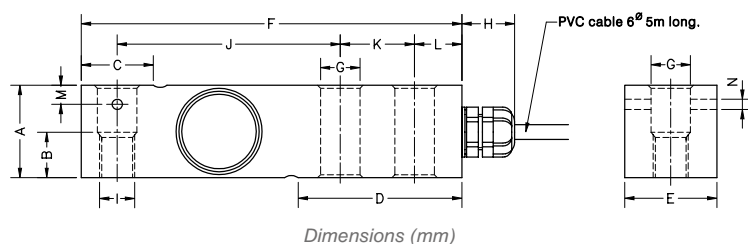
SPECIFICATIONS

Maximum capacity ($E_{\max}$)	300-500-750-1000-1500-2000-3000-5000 kg
Accuracy Class	C3
Minimum Dead Load	0 kg
Safe Overload	150 % $E_{\max}$
Ultimate Load	200 % $E_{\max}$
Combined Error	$< \pm 0,017 \% C_n^{(1)}$
Repeatability Error	$< \pm 0,015 \% C_n$
Temperature Effect on Zero	$< \pm 0,01 \% C_n / 5 ^\circ\text{K}$
Temperature Effect on Sensitivity	$< \pm 0,006 \% C_n / 5 ^\circ\text{K}$
Creep (30 minutes)	$< \pm 0,016 \% C_n$
Compensated Temperature Range	-10 $^\circ\text{C}$...+40 $^\circ\text{C}$
Operating Temperature Range	-20 $^\circ\text{C}$...+70 $^\circ\text{C}$
Rated Output (C_n)	2 mV/V $^{(2)}$
Recommended Excitation Voltage	10 V
Maximum Excitation Voltage	15 V
Input Impedance	400 $\pm 20 \Omega$
Output Impedance	350 $\pm 3 \Omega$
Zero Balance	$< \pm 2 \% C_n$
Insulation Resistance	$> 5000 \text{ M}\Omega$
Maximum Deflection	0,2-0,4
Cable Length	5 m

(1) Combined Error. Non-Linearity and Hysteresis.

(2) Optimized corner adjustment to $\pm 0.05\%$ by calibrating the output current.

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



Dimensions (mm)

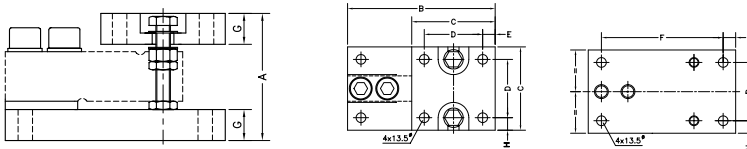
$E_{\max}$ (kg)	Shipping Weight	A	B	C	D	E	F	GØ	H	I	J	K	L	M	NØ
300-2000	0,9 kg	31,5	15	24,6	56	31,5	130	13,5	18	M12	76,2	25,4	15,8	6,5	3,5
3000-5000	2,2 kg	48	---	37	76	41,5	171,5	20,5	18	---	95,2	38,1	19	---	---

CODE G35

Max. Capacity - $E_{\max}$ (kg)	Accuracy Class n. OIML	$Y = E_{\max} / v_{\min}$	G35i		G35a		G35n	
			Code #		Code #		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

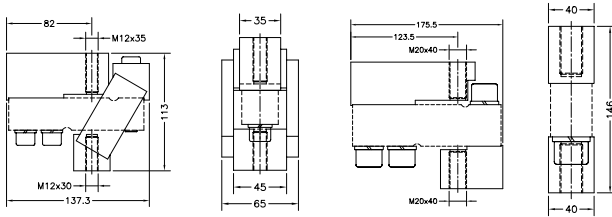
Ref	Description	Code #
350 ATEX	ATEX Option (only for the "i" version)	-



Reference	Code #	E _{max} (kg)	Shipping Weight	A	B	C	D	E	F	G	H
AC35902 / AC35902i	240012 / 240013	300 - 2000	5 kg	94	168	100	70	16	136	20	15
AC35903 / AC35903i	240014 / 240015	3000 - 5000	10 kg	123	212	120	84	18	175	30	18

Finished

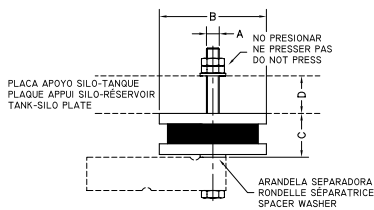
Load Cells	Zinc-Plated Steel	Code #	Stainless Steel	Code #
G35 0,3 - 2 t	AC35902	240012	AC35902i	240013
G35 3 - 5 t	AC35903	240014	AC35903i	240015



Accessories	E _{max} (kg)	Ultimate Load	Shipping Weight
AC35907	300 - 2000	150 % E _{max}	5 kg
AC35908	3000 - 5000	150 % E _{max}	10 kg

Zinc-Plated Tension Accessories for G35 Load Cells

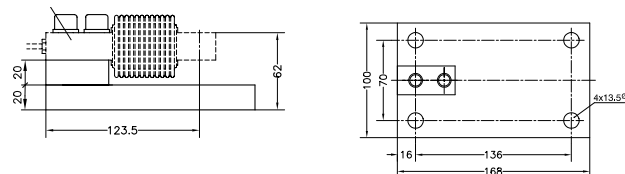
Load Cells	Zinc-Plated Steel	Code #
G35 0,3 - 2 t	AC35907	240115
G35 3 - 5 t	AC35908	240155



Reference	Code #	E _{max} (kg)	Shipping Weight	A	BØ	C	D
AC35909 / AC35909i	240016 / 240017	300 - 2000	2 kg	M12	100	41	0 - 35
AC35910 / AC35910i	240018 / 240019	3000 - 5000	3,2 kg	M20	150	44	10 - 35

Finished

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



Reference	Code #	E _{max} (kg)	Shipping Weight	A	B	C	D	E	F	G	H	I	J	H
AC35911 / AC35911i	240020 / 240021	300 - 2000	3,2 kg	20	20	71,5	168	136	16	70	100	101,6	117,6	15
AC35912 / AC35912i	240022 / 240023	3000 - 5000	6,5 kg	20	30	98	212	175	19	84	120	133,3	152,3	18

Finished

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



ANTI-TIP TANK MOUNT

G35



FOR TENSION APPLICATIONS

G35



SILENT BLOCK

G35



BASE PLATE

G35

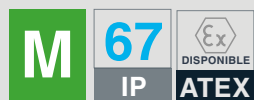
H8C



BENDING BEAM

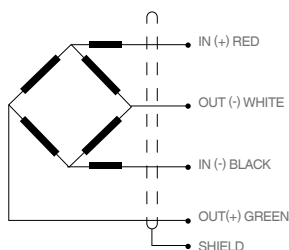
SHEAR BEAM

min 500 kg
max 5 000 kg



APPLICATIONS

4-Load Cell Platforms.
Reactors, Tanks and Hoppers.

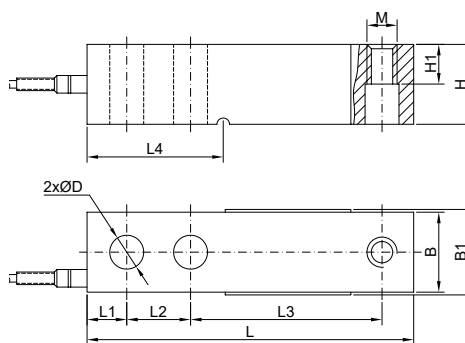


FEATURES

Shear beam load cell.
Nickel-Plated Steel Construction with silicone sealing.
IP67 Protection.
3000 divisions OIML R60 class C.

SPECIFICATIONS

Maximum capacity (E_{max})	500,1000,1500,2000,3000,5000 kg
Accuracy Class	C3
Rated Output (C_n)	$3,0 \pm 0,003 \text{ mV/V}$
Maximum Number of Intervals	3000
Minimum Verification Interval Ratio $Y = E_{max} / v_{min}$	10000
Minimum Dead Load	0 kg
Safe Overload	120 % E_{max}
Recommended Excitation Voltage	10 V
Maximum Excitation Voltage	15 V
Zero Balance	$\leq \pm 1 \% \text{ RO}$
Input Impedance	$350 \pm 3,5 \Omega$
Output Impedance	$350 \pm 3,5 \Omega$
Insulation Resistance	$\geq 5000 \Omega$
Compensated Temperature Range	-10 °C...+40 °C
Operating Temperature Range	-30 °C...+80 °C
Cable Length	5 m



Dimensions (mm)

E_{max} (kg)	Shipping 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

CODE H8C

Reference	Max. Capacity - E_{max} (kg)	Accuracy Class n. OIML	$Y = E_{max} / v_{min}$	Code #
H8C-500	500	C3	10000	230339
H8C-1000	1000	C3	10000	230340
H8C-1500	1500	C3	10000	230341
H8C-2000	2000	C3	10000	230342
H8C-3000	3000	C3	10000	230343
H8C-5000	5000	C3	10000	230344



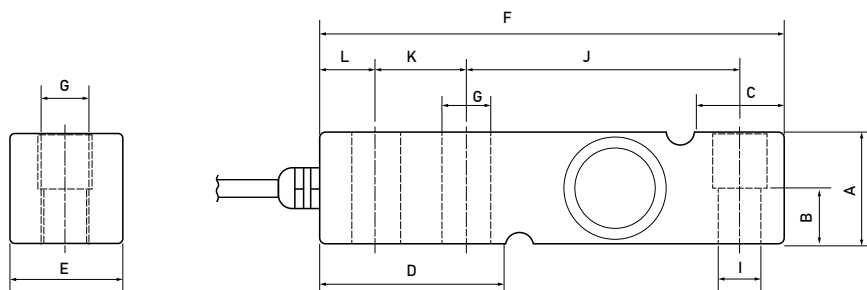
FEATURES

Shear beam load cell.
Stainless Steel Construction.
Hermetically Sealed with Laser Welding.
IP69K Protection (EN60529).
3000 divisions OIML R60 class C.

SPECIFICATIONS

Maximum capacity (E_{max})	300,500,750,1000,1500,2000,2500,3000,5000,7500 kg
Accuracy Class	C3
Minimum Dead Load	0 kg
Safe Overload	125 % E_{max}
Ultimate Load	150 % E_{max}
Maximum Combined Error	0,7 % N.L
Repeatability Error	$< \pm 0,015 \% C_n$
Temperature Effect on Zero	$< \pm 0,01 \% C_n / 5^{\circ}C$
Temperature Effect on Sensitivity	$< \pm 0,006 \% C_n / 5^{\circ}C$
Creep (30 minutes)	$< \pm 0,016 \% C_n$
Compensated Temperature Range	-10 °C...+40 °C
Operating Temperature Range	-20 °C...+70 °C
Maximum Excitation Voltage	18 V
Input Impedance	$383 \Omega \pm 2 \% \text{ ó } 1100 \Omega \pm 2 \%$
Output Impedance	$350 \pm 3 \Omega \text{ ó } 1000 \pm 3 \Omega$
Rated Output (C_n)	2 mV/V $\pm 1 \%$
Insulation Resistance	$> 5000 M\Omega$
Cable Length	5 m

LOAD CELL G5i



Dimensions (mm)

E_{max} (kg)	A	B	C	D	E	F	G	I	J	K	L
300-500-750-1000-1500-2000-2500	31,5	15,5	24,6	51,6	31,5	130	13,5	M12	76,2	25,4	15,8
3000-5000-7500	38,1	12	--	72	38,1	171,5	20	M18	95,4	38,1	19

CODE G5I

Reference	Max. Capacity - E_{max} (kg)	Accuracy Class n. OIML	$Y = E_{max} / v_{min}$	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

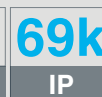
G5i



BENDING BEAM

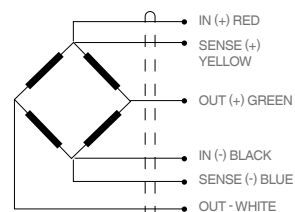
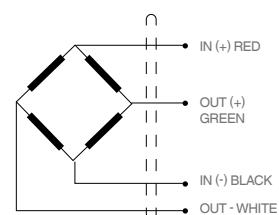
SHEAR BEAM

min 300 kg
max 7500 kg



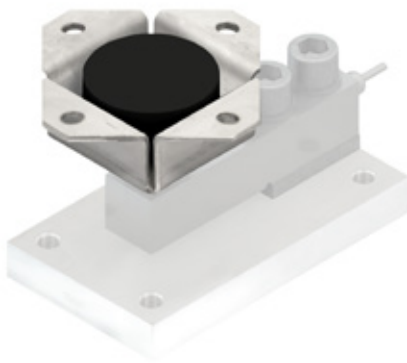
APPLICATIONS

4-Load Cell Platforms.
Reactors and Hoppers.



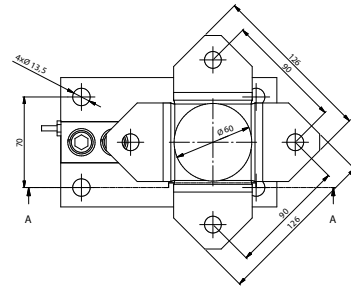
ACCESSORIES

See page 34

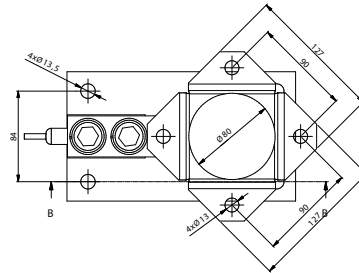
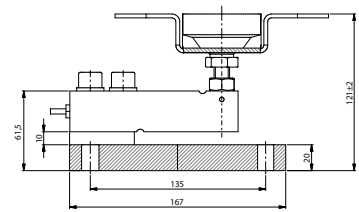


G5i
G5Ti
G5N

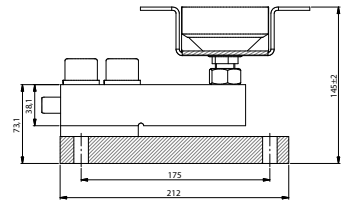
ADJUSTABLE
ANTI-TIP TOP
PLATE



G5i 0,3 - 2,5 t



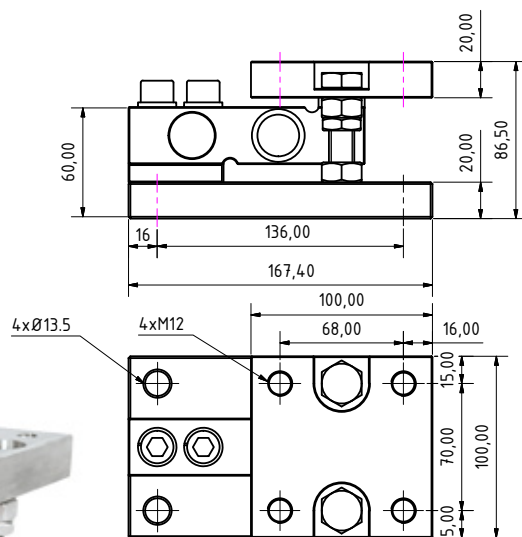
G5i 3 - 7,5 t



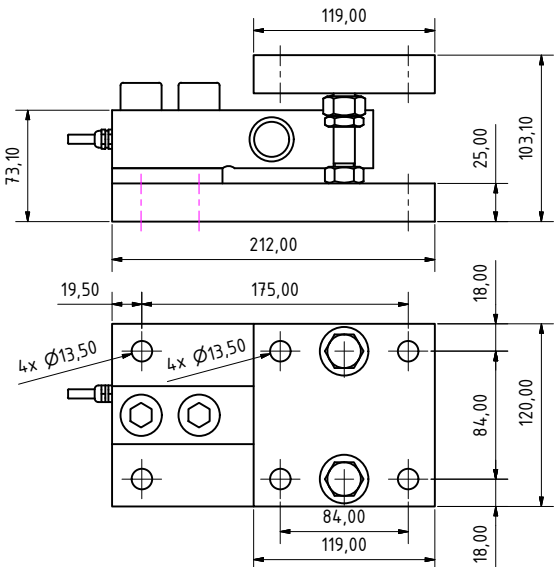
Dimensions (mm)

Accessories					
Load Cells	Description	Code #		Description	Code #
0,3 - 2,5 t	Stainless Steel Anti-Tip Top Plate	240514	consult.	Foot M12	240064
3 - 7,5 t	Stainless Steel Anti-Tip Top Plate	240515	consult.	Foot M18	240113

*The use of this accessory requires the corresponding foot indicated in the table



Dimensions (mm)
AC35902 / AC35902i



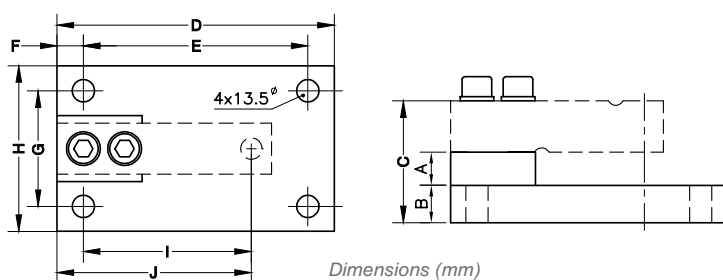
Dimensions (mm)
AC35903 / AC35903i

Ref	#Code	E _{max} (kg)	Shipping Weight	Load Cell Fixing
AC35902 / AC35902i	240012 / 240013	300 - 2500	5 kg	2 × 20,4
AC35903 / AC35903i	240014 / 240015	3000 - 7500	10 kg	2 × 21,5

Finished				
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

G5i
G5Ti
G5N

ANTI-TIP TANK
MOUNT



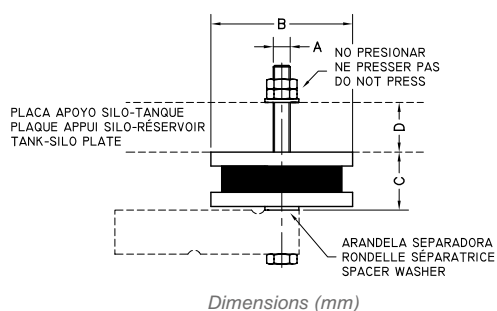
Reference	Code #	E _{max} (kg)	Shipping Weight	Load Cell Fixing	A	B	C	D	E	F	G	H	I	J
AC35911/ AC35911i	240020 / 240021	300 - 2500	3,2 kg	2 × 20,4	20	20	71,5	168	136	16	70	100	101,6	117,6
AC35912/ AC35912i	240022 / 240023	3000 - 7500	6,5 kg	2 × 21,5	20	30	98	212	175	19	84	120	133,3	152,3



BASE PLATE

**G5I
G5TI
G5N**

Finished					
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

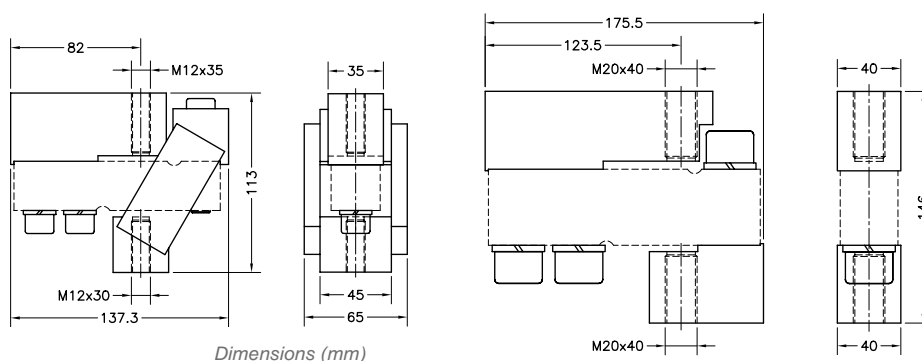


SILENT BLOCK

**G5I
G5TI
G5N**

Reference	Code #	E _{max} (kg)	Shipping Weight	A	BØ	C	D
ACG51001 / ACG51002	240539 / 240541	300 - 2500	2 kg	M12	100	41	0 - 35
ACG51003 / ACG51004	240540 / 240542	3000 - 7500	3,2 kg	M18	150	44	10 - 35

Finished					
Load Cells	Zinc-Plated Steel	Code #		Stainless Steel	Code #
0,3 - 2,5 t	(0,3 - 2,5 t)	240539		(0,3 - 2,5t)	240540
3 - 7,5 t	(3 - 7,5 t)	240541		(3 - 7,5t)	240542



Reference	E _{max} (kg)	Ultimate Load	Shipping Weight
ACG51005	300 - 2500	150 % E _{max}	5 kg
ACG51006	3000 - 7500	150 % E _{max}	10 kg

Zinc-Plated Tension Accessories for G5i Load Cells			
Load Cells	Zinc-Plated Steel	Code #	
0,3 - 2,5 t	ACG51005	-	consult.
3 - 7,5 t	ACG51006	240544	



FOR TENSION APPLICATIONS

**G5I
G5TI
G5N**

DOUBLE SHEAR BEAMS

Load Cells

Double Shear Beam Load Cells are designed for weighing high-capacity tanks and silos, especially when high linearity and a low profile are required.

They are also used in truck scales, railway systems, and heavy-duty agricultural applications.

Their robust design ensures accuracy in demanding industrial environments.

Model		Capacity (t)	Page
GTH		5-50	37
460		5-100	38

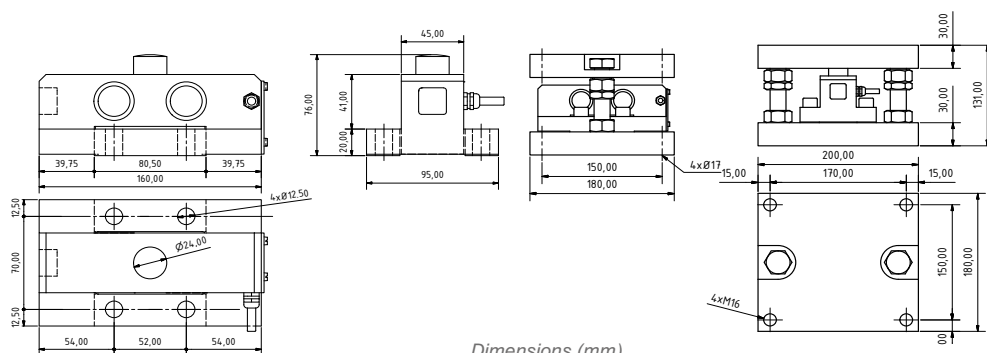


FEATURES

- Double Shear Beam Load Cell.
- Compression Load Cell.
- Stainless Steel Construction.
- Hermetically Sealed with Laser Welding.
- IP68 Protection (EN60529).
- 3000 divisions OIML R60 class C.
- Protected against electrical surges by gas discharge tubes.

SPECIFICATIONS

Maximum capacity (E_{max})	5,10,15,20,25,30,35,50 t
Accuracy Class	C3
Minimum Dead Load	0 kg
Safe Overload	150 % E_{max}
Ultimate Load	200 % E_{max}
Maximum Combined Error	$< \pm 0,017 \% C_n$
Repeatability Error	$< \pm 0,015 \% C_n$
Temperature Effect on Zero	$< \pm 0,01 \% C_n / 5^{\circ}C$
Temperature Effect on Sensitivity	$< \pm 0,006 \% C_n / 5^{\circ}C$
Creep	$< \pm 0,016 \% C_n$
Compensated Temperature Range	-10 °C...+40 °C
Operating Temperature Range	-20 °C...+50 °C
Rated Output (C_n)	2 $\pm$ 0,1 % mV/V
Recommended Excitation Voltage	10 V
Maximum Excitation Voltage	15 V
Input Impedance	766 $\Omega \pm 2 \%$
Output Impedance	700 $\pm 3 \Omega$
Zero Balance	$< \pm 2 \% C_n$
Insulation Resistance	> 5000 M Ω
Maximum Deflection	0,2-0,4 mm
Cable Length	5 m



CODE GTH

Reference	Max. Capacity - E_{max} (kg)	Accuracy Class n. OIML	$Y = E_{max} / v_{min}$	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

ACCESSORIES GTH

Reference	Material	Code #
AC-GTH Z	Zinc-Plated Steel	240156
AC-GTH I	Stainless Steel	240159

CATALOGUE

GIROPES)

GTH



DOUBLE

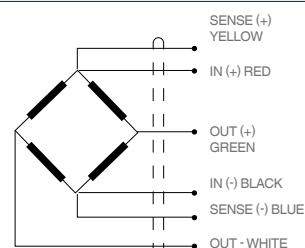
SHEAR BEAM

min 5 000 kg
max 50 000 kg



APPLICATIONS

Tanks,
Silos and Low profile.



ACCESSORIES

GTH



ANTI-TIP TANK MOUNT

460



DOUBLE

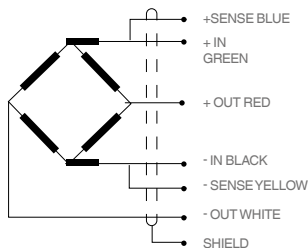
SHEAR BEAM

min 5 000 kg
max 100 000 kg



APPLICATIONS

Weighing systems for tanks and silos requiring high linearity and low profile.



SENSES: 2 additional wires to keep the excitation voltage constant at the load cell, using appropriate instrumentation. Especially recommended for long cables and wide temperature ranges.
SHIELD: Not connected to the transducer body.

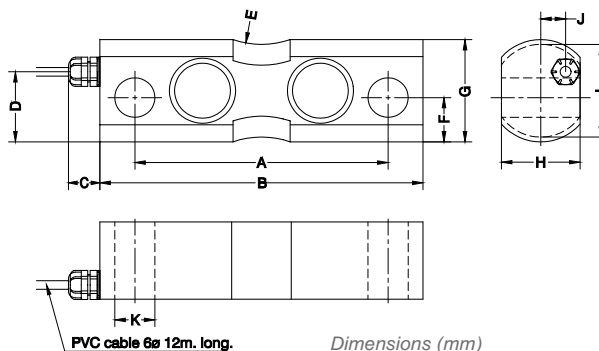
FEATURES

Double Shear Beam 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

Maximum capacity ($E_{\max}$)	5,10,20,30,50,75,100 t
Accuracy Class	C3
Minimum Dead Load	0 kg
Safe Overload	150 % $E_{\max}$
Ultimate Load	200 % $E_{\max}$
Combined Error	$< \pm 0,017 \% C_n$
Repeatability Error	$< \pm 0,015 \% C_n$
Temperature Effect on Zero	$< \pm 0,01 \% C_n / 5^{\circ}\text{C}$
Temperature Effect on Sensitivity	$< \pm 0,006 \% C_n / 5^{\circ}\text{C}$
Creep	$< \pm 0,016 \% C_n$
Compensated Temperature Range	$-10^{\circ}\text{C} \dots +40^{\circ}\text{C}$
Operating Temperature Range	$-20^{\circ}\text{C} \dots +50^{\circ}\text{C}$
Rated Output (C_n)	$2 \pm 0,1 \% \text{ mV/V}$
Recommended Excitation Voltage	10 V
Maximum Excitation Voltage	15 V
Input Impedance	$800 \pm 30 \Omega$
Output Impedance	$700 \pm 3 \Omega$
Zero Balance	$< \pm 2 \% C_n$
Insulation Resistance	$> 5000 \text{ M}\Omega$
Maximum Deflection	0,6-1 mm
Cable Length	12 m



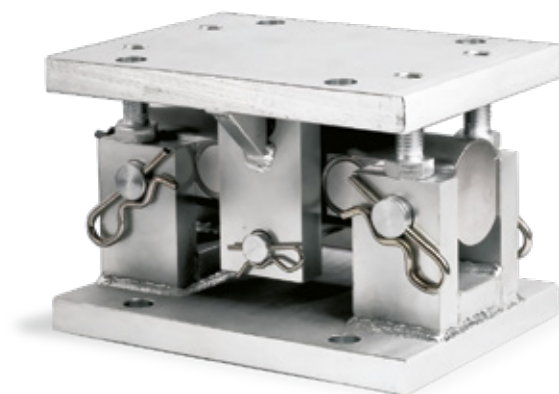
$E_{\max}$ (t)	Shipping Weight	A	B	C	D	E	F	GØ	H	IØ	J	KØ
5 - 20	3,2 kg	145	185	16	41	r.50	25,7	59,5	45	54	14	23
30 - 50	8 kg	220	285	16	48	r.50	29,7	74,5	60	65	22	30
75 - 100	14,3 kg	260	340	16	66	r.50	37,2	99,5	80	90	32	50

CODE 460

Max. Capacity - $E_{\max}$ (kg)	Accuracy Class n. OIML	$Y = E_{\max} / v_{\min}$	Code #
5000	C3	10000	230269
10000	C3	10000	230270
20000	C3	10000	230271
30000	C3	10000	230272
50000	C3	10000	230273
75000	C3	10000	230663
100000	C3	10000	230664

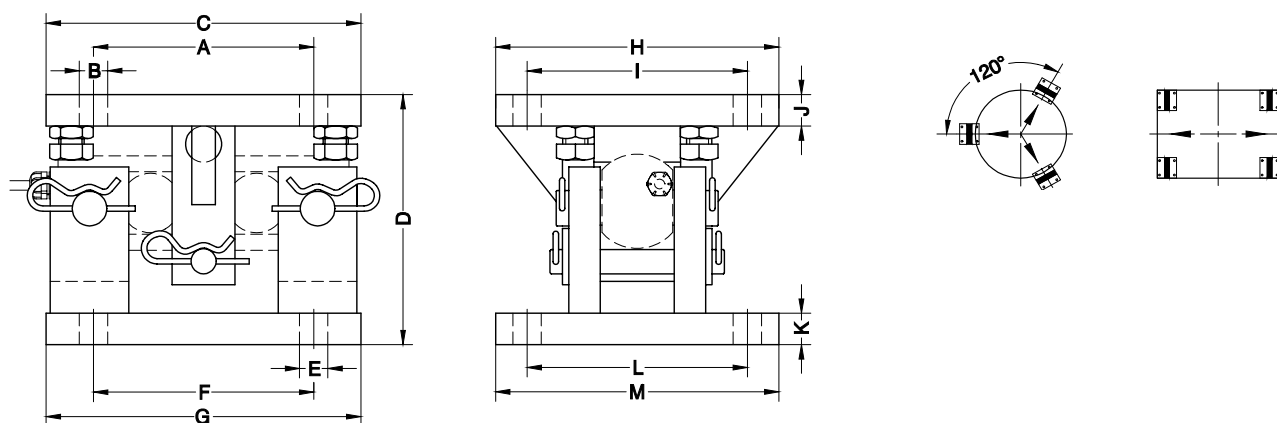
ACCESSORIES

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



ANTI-TIP TANK MOUNT

460



Dimensions (mm)

Accessories	E _{max} (t)	Shipping Weight	A	BØ	C	D	EØ	F	G	H	I	J	K	L	M
46901 / 46901i	5 - 20	17 kg	140	18	200	160	18	140	200	180	140	20	20	140	180
46902 / 46902i	30 - 50	39 kg	175	22	300	200	22	175	300	220	175	25	25	175	220
46903 / 46903i	75 - 100	82 kg	220	26	370	270	26	220	370	300	220	30	30	220	300

SPECIFICATIONS

	REF. Accessories		
	46901 / 46901i	46902 / 46902i	46903 / 46903i
Desplazamiento transversal max. de la célula	± 5 mm	± 5 mm	± 10 mm
Fuerza admisible de alzamiento max.	90 KN	210 KN	340 KN
Fuerza lateral admisible maxima.	4550 kg	8600 kg	12000 kg

Description	ZINC-PLATED STEEL		STAINLESS STEEL	
	Reference	Code #	Reference	Code #
Complete Anti-Tip Silo Mount for 5 - 20 t Load Cells	AC46901	240030	AC46901i	240149
Complete Anti-Tip Silo Mount for 30 - 50 t Load Cells	AC46902	240031	AC46902i	240150
Complete Anti-Tip Silo Mount for 75 - 100 t Load Cells	AC46903	240032	AC46903i	240151

COMPRESSION Load Cells

Compression Load Cells are used in high-capacity weighing systems, such as truck scales, industrial platforms, and weighing of tanks, silos, or vehicles.

They are also suitable for test benches and verification presses, standing out for their robustness, accuracy, and low-profile design.

Model		Capacity (t)	Page
GTC	✗	0,5-30	41
GTD	M	2, 5-30	42
C16	M	15-40	43
G1R	M	30-40	44
G8R	M	18-50	46
G8R-CP	M	18-50	46
G8RD	M	18-50	48
G8RD-CP	M	18-50	48
G8RD DUAL	M	18-50	50
G8RD DUAL-CP	M	18-50	50
GTI	✗	50-100	52
GIPD	M	15-60	54
GIP	M	15-60	56
GIP	✗	100-400	57
G6R	✗	75-150	60



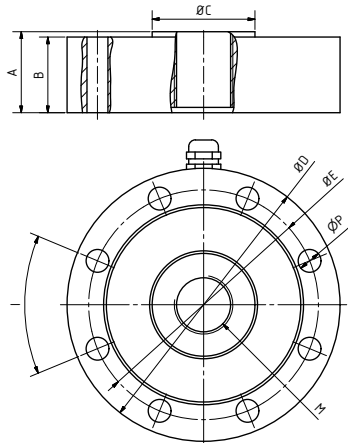


FEATURES

Compression Load Cell.
 Tension Load Cell.
 Stainless Steel Construction.
 Hermetically Sealed.
 IP68 Protection (EN60529).
 Stainless Steel Elastic Support.
 1000/2000 divisions OIML R60 class C.

SPECIFICATIONS

Maximum capacity (E_{max})	500, 1 200, 2 500, 5 000, 7 500, 10 000, 12 000, 20 000, 25 000, 30 000 kg	
Accuracy class	C1	C2
Maximum Number of Divisions	1000	2000
Input Impedance	$766 \Omega \pm 2 \%$	
Output Impedance	$700 \pm 3 \Omega$	
Excitation Voltage	5 V...12 V	
Rated Output (C_n)	2 mV/V	
Operating Temperature Range	$-10^\circ\text{C} \dots +50^\circ\text{C}$	
Safe Overload	$150 \% E_{max}$	
Ultimate Load	$200 \% E_{max}$	
Maximum Combined Error	$\pm 0,1 \% E_{max}$	
Temperature Effect on Zero	$< \pm 0,002 \% / ^\circ\text{C}$	
Temperature Effect on Sensitivity	$< \pm 0,001 \% / ^\circ\text{C}$	
Maximum Combined Error	$< \pm 0,02 E_{max}$	
Creep (30 minutes at 20°C)	$\pm 0,02 \%$	
Cable Length	5 m	
Electrical Connection	4-wire	



Dimensions (mm)

E_{max} (t)	A	B	D	E	I	M	P
0,5-7,5 t	30	28	101	85	45°C	$M20 \times 1,5$	8 holes 8,5
10-30 t	40	39	150	125	30°C	$M30 \times 1,5$	12 holes 10,5

Reference	Max. Capacity - E_{max} (kg)	Accuracy Class n. OIML	$Y = E_{max} / v_{min}$	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

CATALOGUE

GIROPES)

GTC



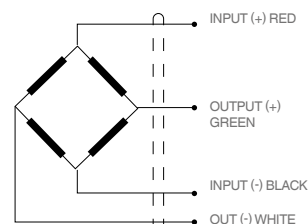
COMPRESSION

min 500 kg
 max 30 000 kg



APPLICATIONS

Test Benches and Verification Presses.



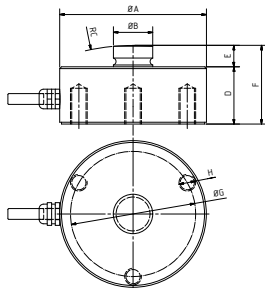
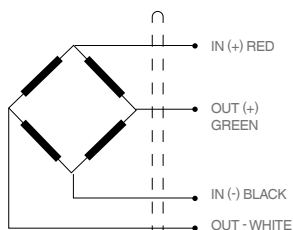
COMPRESSION

min 2 500 kg
max 30 000 kg



APPLICATIONS

Silos, Tanks, others.

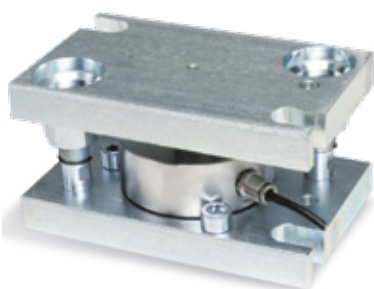


E_{max} (f)	A	B	C	D	E	F	G	H
2,5,12,5	82	22	130	32	12	44	70	M8
20.30	126	35	200	40	14	54		

Dimensions (mm)

ACCESSORIES

GTD ANTI-TIP TANK MOUNT



FEATURES

Compression Load Cell.
Stainless Steel Construction.
Hermetically Sealed.
IP68 Protection (EN 60529).
Stainless Steel Elastic Support.
1000 divisions OIML R60 class C.

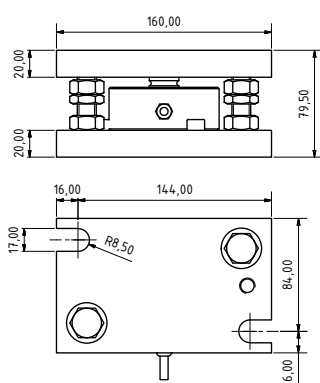


SPECIFICATIONS

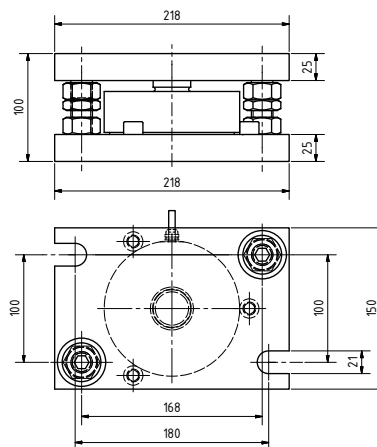
Maximum capacity (E_{max})	2'5,3,5,7'5,10,12'5,20,25,30 t
Accuracy Class	C1
Minimum Dead Load	0 kg
Safe Overload	150 % E_{max}
Ultimate Load	200 % E_{max}
Combined Error	$< \pm 0,017 \% C_n$
Repeatability Error	$< \pm 0,015 \% C_n$
Temperature Effect on Zero	$< \pm 0,01 \% C_n / 5 ^\circ K$
Temperature Effect on Sensitivity	$< \pm 0,006 \% C_n / 5 ^\circ K$
Creep (30 minutes)	$< \pm 0,016 \% C_n$
Compensated Temperature Range	-10 °C...+40 °C
Operating Temperature Range	-20 °C...+50 °C
Rated Output (C_n)	2 $\pm$ 0,02 mV/V
Excitation Voltage	5 V ... 18 V DC
Maximum Excitation Voltage	18 V DC
Input Impedance	765 $\pm$ 15 Ω
Output Impedance	700 $\pm$ 14 Ω
Zero Balance	$< \pm 2 \% C_n$
Insulation Resistance	$> 4000 M\Omega$
Maximum Deflection	0,2-0,4 mm
Cable Length	8 m

CODE GTD

Max. Capacity - E_{max} (kg)	Accuracy Class n. OIML	$Y = E_{max} / v_{min}$	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
✗ 20000	C1	10000	230712
✗ 25000	C1	10000	230713
✗ 30000	C1	10000	230714



ANTI-TIP ACCESSORIES
from 2500 kg to 12500 kg



ANTI-TIP ACCESSORIES
from 15000 kg to 30000 kg

Reference	Material	Max. Capacity - 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

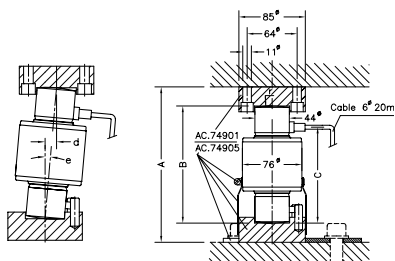
FEATURES

Compression Load Cell.
Stainless Steel Construction.
Laser Welded.
IP68 Protection (EN60529).
Available in ATEX version  (optional).
Optimized for Parallel Connection with Corner Adjustment.
EMC / ESD Compliant (EN 45 501).
Lightning Protection (Not Available with ATEX Version).
Easy Installation.
Set of Rings Included.
3000 divisions OIML R60 class C.

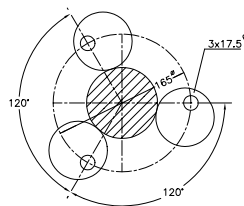


SPECIFICATIONS

Maximum capacity (E_{max})	15 t	20 t	30 t	40 t
Minimum Verification Load (E_{min}) [Maximum Number of Load Cells]	5 kg [10]	5 110 kg [6][10]	10 kg [10]	10120 kg [6][10]
Deviation at E_{max}	0,55 mm	0,65 mm	0,75 mm	0,85 mm
Accuracy Class	C3			
Minimum Verification Interval (v_{min})	0,01 % E_{max}			
Rated Output (C_n)	2 mV/V			
Rated Output Tolerance	$\pm 0,5$ % ⁽¹⁾			
Temperature Effect on Zero	$\pm 0,0140$ % C_n			
Temperature Effect on Sensitivity	$\pm 0,0080$ % $C_n/10$ °C			
Temperature Effect on Zero	$\pm 0,0080$ % $C_n/10$ °C			
Temperature Effect on Sensitivity ⁽²⁾	$\pm 0,0080$ % $C_n/10$ °C			
Hysteresis Error ⁽²⁾	$\pm 0,0170$ % C_n			
Non-Linearity ⁽²⁾	$\pm 0,0180$ % C_n			
Creep (30 minutes)	$\pm 0,0167$ % C_n			
Input Impedance (BLACK-BLUE)	700 ± 20 Ω			
Output Impedance (red-WHITE)	706 $\pm 3,5$ Ω ⁽²⁾			
Reference Excitation Voltage	5 V			
Nominal Excitation Voltage Range	5 - 12 V			
Insulation Resistance	>5000 M Ω			
Compensated Temperature Range	-10 °C...+40 °C			
Operating Temperature Range	-30 °C...+70 °C			
Storage Temperature Range	-50 °C...+85 °C			
Safe Overload	150 % E_{max}			
Ultimate Load	> 350 % E_{max}			
Permissible Dynamic Load (DIN 50100)	70 % E_{max}			
Protection Class	IP68 IP69 K			
Cable Length	12 m			



Shipping Weight 3 (kg) | Dimensions (mm)



Top View

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

Reference	Max. Capacity - E_{max} (kg)	Accuracy Class n. OIML	$Y = E_{max} / v_{min}$	Code #
C16A 15t	15000	C3	10000	230021
C16A 20t	20000	C3	10000	230022
C16A 30t	30000	C3	10000	230024
C16A 40t	40000	C3	10000	230026

CATALOGUE

GIROPES

C16



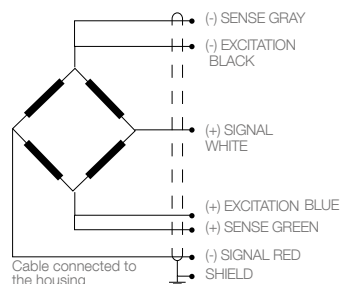
COMPRESSION

min 15 000 kg
max 40 000 kg



APPLICATIONS

High-Capacity Weighing Systems.



Supplied with:
Upper and lower cup
Anti-roll pivot, rubber tube, fixing clamps, and 3 eccentrics

(1) Corner adjustment coordinates sensitivity and output resistance so that the scale's indicated value remains within the permitted limits when an off-center load is applied.

(2) The non-linearity, hysteresis error, and temperature effect on sensitivity values are typical. The sum of these values meets the pLC=0.7 requirements according to OIML R60 and NTEP.



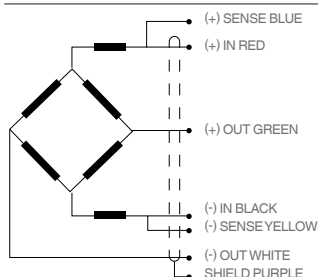
COMPRESSION

min 30 000 kg
max 40 000 kg



APPLICATIONS

Truck Scales .
Platforms.
Weighing Systems
(such as Silos, Tanks, etc.)

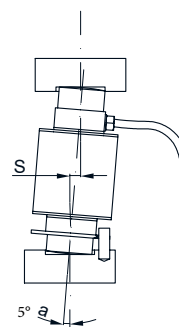
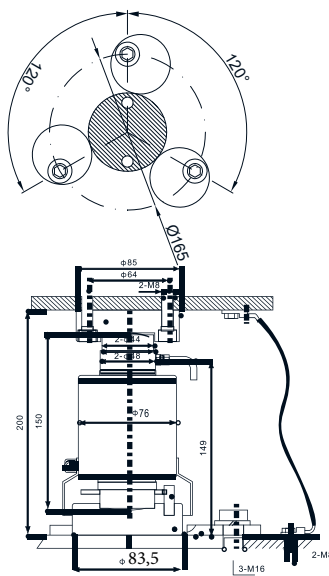


FEATURES

- Compression Load Cell.
- Stainless Steel Protected Sensors.
- Hermetically Sealed according to IP68.
- 3 000 divisions — OIML R60 Class C.
- Optimized Corner Adjustment for Multi-Sensor Systems.

SPECIFICATIONS

Maximum capacity (E_{max})	30,40 t
Accuracy Class	C3
Minimum Dead Load	0 kg
Safe Overload	150 % E_{max}
Ultimate Load	200 % E_{max}
Combined Error	$< \pm 0,03 \% C_n$
Repeatability Error	$< \pm 0,02 \% C_n$
Creep (30 minutes)	$< \pm 0,02 \% C_n$
Operating Temperature Range	-30 °C...+70 °C
Rated Output (C_n)	2 mV/V
Recommended Excitation Voltage	10 V
Maximum Excitation Voltage	12 V
Input Impedance	700 $\pm$ 20 Ω
Output Impedance	703 $\pm$ 5 Ω
Insulation Resistance	> 5000 M Ω
Maximum Deflection (at E_{max})	0,6 - 1 mm
Cable Length	16 m



CODE G1R

Max. Capacity - E_{max} (kg)	Accuracy Class n. OIML	$Y = E_{max} / v_{min}$	Code #
30000	C3	10000	230040
30000 (Armored Cable)	C3	10000	230730

ACCESSORIES

Description	Code #
Bottom Plate for G1R Load Cell	240037
Top Plate for G1R Load Cell	240038

New G8RD Dual



Digital with Dual Connector

G8R SERIES



G8R/G8R CP

G8RD / G8RD CP

G8RD Dual / G8RD Dual CP

G8R

G8R-CP



COMPRESSION

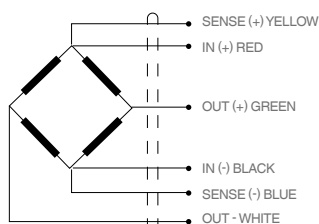
min 18 000 kg
max 50 000 kg



APPLICATIONS

High-Capacity Load Cell ideal for Truck Scales.

CP: Its flat surface design provides a high level of security to prevent load cell movement, significantly reducing the risk of breakage.



FEATURES

- Compression Load Cell.
- Stainless Steel Construction.
- Hermetically Sealed with Laser Welding.
- IP69K Protection (EN60529).
- Protected against electrical discharge by gas discharge tubes.
- 4000 divisions OIML R60 class C.

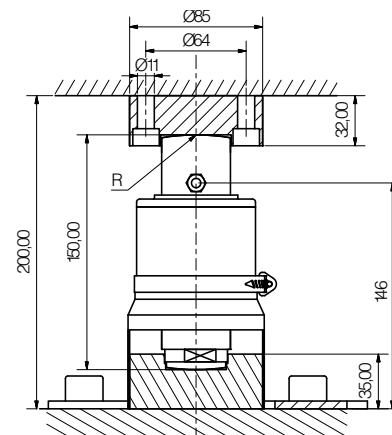
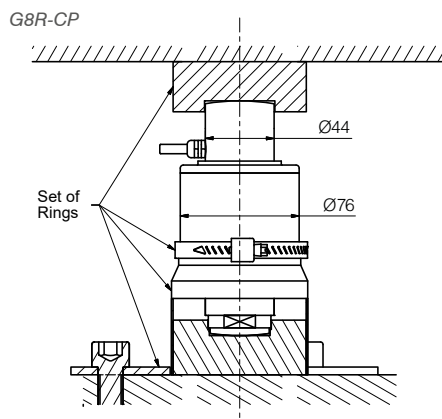
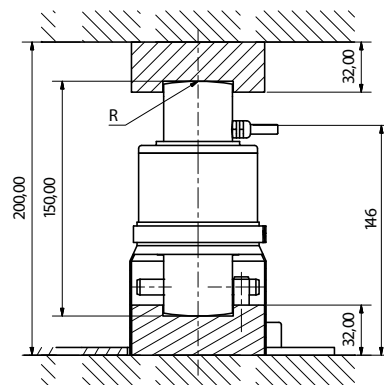
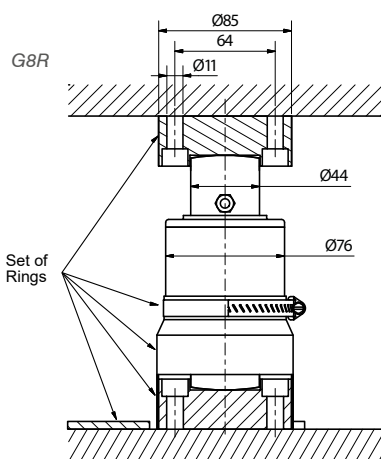
G8R



G8R-CP

SPECIFICATIONS

Maximum capacity (E_{max})	18,20,25,30,35,40,50 t
Accuracy Class	C4
Minimum Dead Load	0 kg
Safe Overload	120 % E_{max}
Ultimate Load	150 % E_{max}
Combined Error	$< \pm 0,017 \% C_n$
Repeatability Error	$< \pm 0,015 \% C_n$
Creep (30 minutes)	$< \pm 0,016 \% C_n$
Operating Temperature Range	-30 °C... +70 °C
Rated Output (C_n)	2 mV/V $\pm 1 \%$
Recommended Excitation Voltage	10 V
Maximum Excitation Voltage	15 V
Input Impedance	$800 \Omega \pm 2 \%$
Output Impedance	$700 \pm 3 \Omega$
Zero Balance	$\pm 2 \% C_n$
Insulation Resistance	$> 5000 M\Omega$
Maximum Deflection (at E_{max})	0,6 - 1 mm
Cable Length	18 m



Dimensions (mm)

CODE G8R					ARMORED CABLE		
Reference	Max. Capacity - E _{max} (kg)	Accuracy Class n. OIML	$Y = E_{\max} / v_{\min}$	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	
G8R 40	40000	C4	15000	230571	G8R-40CA	230657	
G8R 50	50000	C4	15000	230662	G8R-50CA	230767	

ACCESSORIES G8R

Reference	Description	Code #
AC-G8R	Pendular Ring Set for G8R Zinc-Plated	240036
AC71901i	Pendular Ring Set in Stainless Steel	240184

More information on page 46

*Includes: set of rings, rubber parts, and metal clamps.

SET OF RINGS

G8R

CODE G8R-CP					ARMORED CABLE		
Reference	Max. Capacity - E _{max} (kg)	Accuracy Class n. OIML	$Y = E_{\max} / v_{\min}$	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	
G8R 40 ACP	40000	C4	15000	230933	G8R-40CA-ACP	231007	
G8R 50 ACP	50000	C4	15000	230934	G8R-50CA-ACP	231008	

ACCESSORIES G8R-CP

Reference	Description	Code #
ACG8R-I-ACP	Pendular Ring Set in Stainless Steel	240261
ACG8R-N-ACP	Pendular Ring Set in Nickel	240461

More information on page 46

*Includes: ring set, rubber components, and metal clamps

SET OF RINGS

G8R-CP

ACCESSORIES G8R & G8R-CP

Reference	Description	Code #
AC74902	Top Plate for fixing the ring set to a structure (for one load cell)	240037

TOP PLATE

G8R
G8R-CP

Reference	Description	Code #
AC74903	Bottom Plate for fixing the ring set to the floor (for one load cell)	240038

BOTTOM PLATE

G8R
G8R-CP

Reference	Description	Code #
AC74907	Anti-Lifting Mounting Kit for Silo for G8R Load Cells (unit up to 50 t)	240040

More information on page 58

SILO MOUNT

G8R
G8R-CP

G8RD G8RD-CP



DIGITAL COMPRESSION

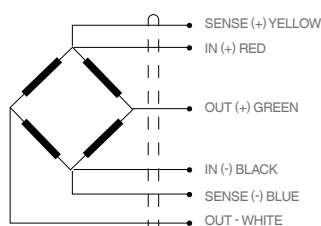
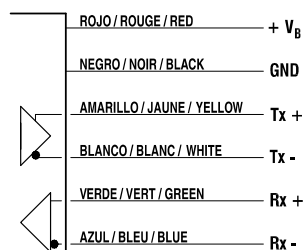
min 18 000 kg
max 50 000 kg



APPLICATIONS

High-Capacity Load Cell ideal for Truck Scales.

CP: Its flat surface design provides a high level of security to prevent load cell movement, significantly reducing the risk of breakage.



FEATURES

- Digital Compression Load Cell.
- Stainless Steel Construction.
- Hermetically Sealed, IP69k Protection
- 4000 divisions OIML R60 class C.
- Lightning Protection.
- RS485 Full-Duplex Digital Interface.
- Configuration and Software Update via Serial Interface.
- Optimized for Commissioning, Corner Adjustment, and Diagnostics.

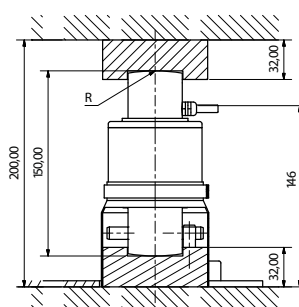
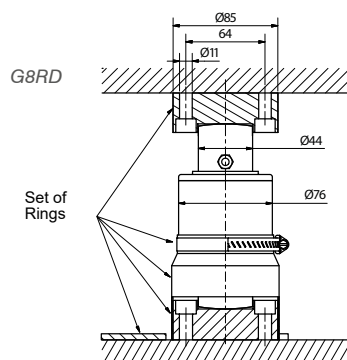


G8RD

G8RD-CP

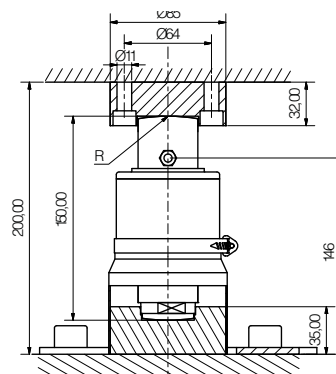
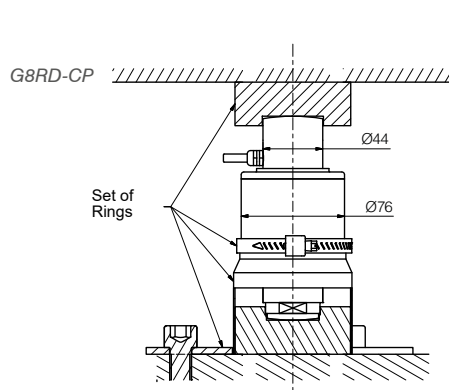
SPECIFICATIONS

Maximum capacity (E_{max})	18,20,30,40,50 t
Accuracy Class	C4
Minimum Dead Load	0 kg
Safe Overload	120 % E_{max}
Ultimate Load	150 % E_{max}
Combined Error	$< \pm 0,013 \% C_n$
Repeatability Error	$< \pm 0,015 \% C_n$
Creep (30 minutes)	$< \pm 0,016 \% C_n$
Operating Temperature Range	-30 °C... +70 °C
Rated Output (C_n)	200000 $\pm 0,05 \%$ counts (programmable)
Recommended Excitation Voltage	6 - 15 V DC
Maximum Excitation Voltage	15 V
Excitation Current	78 mA (max.)
RS485 Serial Interface	Full-Duplex
Max. Transmission Cable Length	1200 m
Input Impedance	800 $\Omega \pm 2 \%$
Output Impedance	700 $\pm 3 \Omega$
Zero Balance	$\pm 2 \% C_n$
Maximum Deflection (at E_{max})	0,6 - 1 mm
Cable Length	18 m

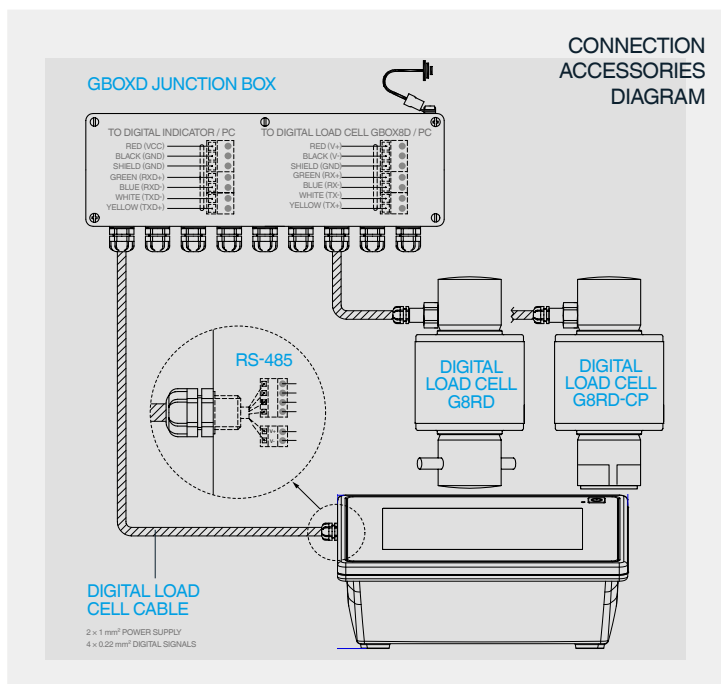


Dimensions (mm)

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



Dimensions (mm)



DIGITAL JUNCTION BOX

G8RD G8RD-CP

Reference	Description	Code #
GBOX8D	Hermetic ABS Digital Junction Box (8 Load Cells)	240487
AC8CLGBOXD	Digital connection circuit for up to 8 Load Cells	240066

CODE G8RD					ARMORED CABLE	
Reference	Max. Capacity - E _{max} (kg)	Accuracy Class n. OIML	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

ACCESSORIES G8RD

Reference	Description	Code #
AC-G8R	Pendular Ring Set for G8RD Zinc-Plated	240036
AC71901i	Pendular Ring Set in Stainless Steel	240184

More information on page 48

*Includes: ring set, rubber components, and metal clamps

SET OF RINGS

G8RD

CODE G8RD-CP					ARMORED CABLE	
Reference	Max. Capacity - E _{max} (kg)	Accuracy Class n. OIML	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

ACCESSORIES G8RD-CP

Reference	Description	Code #
ACG8R-I-ACP	Pendular Ring Set in Stainless Steel	240261
ACG8R-N-ACP	Pendular Ring Set in Nickel	240461

More information on page 48

*Includes: ring set, rubber components, and metal clamps

SET OF RINGS

G8RD-CP

ACCESSORIES G8RD & G8RD-CP

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

PLATES

G8RD G8RD-CP

Reference	Description	Code #
AC74907	Anti-Lifting Mounting Kit for Silo for G8RD Load Cells (unit) up to 50 t	240040

More information on page 58

SILO MOUNT

G8RD G8RD-CP

G8RD DUAL
G8RD DUAL-CPDIGITAL
COMPRESSION

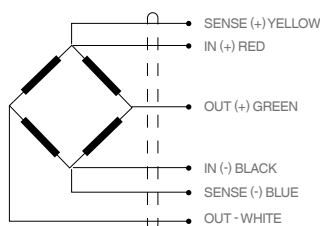
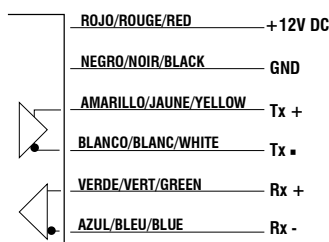
min 18 000 kg
max 50 000 kg



APPLICATIONS

High-Capacity Load Cell ideal for Truck Scales.

CP: Its flat surface design provides a high level of security to prevent load cell movement, significantly reducing the risk of breakage.



FEATURES

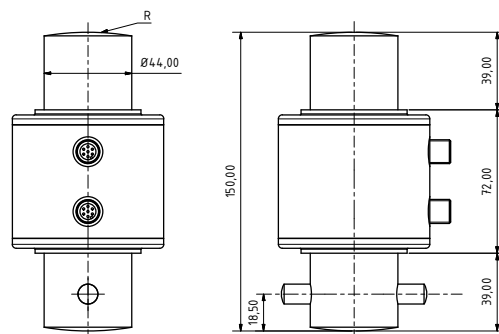
- Digital Compression Load Cell with Dual Connector.
- Stainless Steel Construction.
- Hermetically Sealed, IP69k Protection.
- Lightning Protection.
- 4,000 divisions — OIML R60 Class C.
- RS485 Full-Duplex Digital Interface.
- Easy to Install.
- Configuration and Software Update via Serial Interface.
- Optimized for Commissioning, Corner Adjustment, and Diagnostics.
- Stainless Steel Connectors Laser Welded to the Load Cell Body.



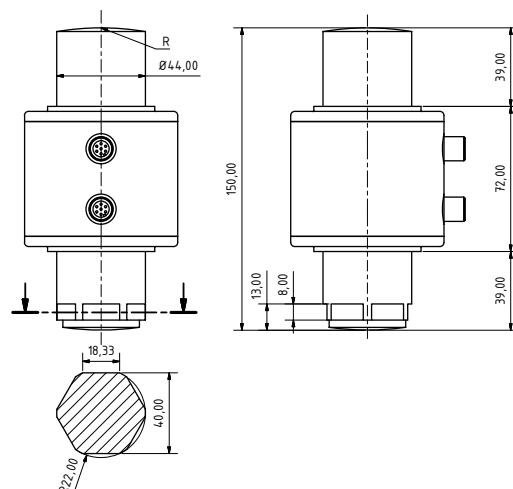
SPECIFICATIONS

Maximum capacity (E_{max})	20,30,40,50 t
Accuracy Class	C4
Minimum Dead Load	0 kg
Safe Overload	120 % E_{max}
Ultimate Load	150 % E_{max}
Combined Error	$< \pm 0,013 \% C_n$
Repeatability Error	$< \pm 0,015 \% C_n$
Creep (30 minutes)	$< \pm 0,016 \% C_n$
Operating Temperature Range	-10 °C... +40 °C
Rated Output (C_n)	200000 $\pm 0,05$ % counts (programmable)
Recommended Excitation Voltage	6 - 15 V DC
Maximum Excitation Voltage	15 V
Excitation Current	78 mA (max.)
RS485 Serial Interface	Full-Duplex
Zero Balance	$\pm 2 \% C_n$
Maximum Deflection (at E_{max})	0,6 - 1 mm
Cable Length	18 m
Maximum Transmission Cable Length	1200 m

G8RD Dual



G8RD Dual-CP



Dimensions (mm)

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

CODE G8RD DUAL

Reference	Max. Capacity - $E_{\max}$ (kg)	Accuracy Class n. OIML	$Y = E_{\max} / v_{\min}$	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

Reference	Description	Code #
AC-G8R	Pendular Ring Set for G8RD Zinc-Plated	240036
AC71901i	Pendular Ring Set in Stainless Steel	240184

More information on page 50

*Includes: ring set, rubber components, and metal clamps

SET OF RINGS

G8RD
DUAL

CODE G8RD DUAL-CP

Reference	Max. Capacity - $E_{\max}$ (kg)	Accuracy Class n. OIML	$Y = E_{\max} / v_{\min}$	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

Reference	Description	Code #
ACG8R-I-ACP	Pendular Ring Set in Stainless Steel	240261
ACG8R-N-ACP	Pendular Ring Set in Nickel	240461

More information on page 50

*Includes: ring set, rubber components, and metal clamps

SET OF RINGS

G8RD
DUAL-CP

ACCESSORIES G8RD DUAL & G8RD DUAL-CP

Reference	Description	Code #
AC74907	Anti-Lifting Mounting Kit for Silo for G8RD Load Cells (unit) up to 50 t	240040

More information on page 58

SILO MOUNT

G8RD
DUAL
DUAL-CP

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

PLATES

G8RD
DUAL
DUAL-CP

OPTIONAL CABLES

Cable Length Between Load Cells

ARMORED

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

CABLES

G8RD
DUAL
DUAL-CP

Cable Length Between Load Cells and Indicator

ARMORED

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

CABLES

G8RD
DUAL
DUAL-CP



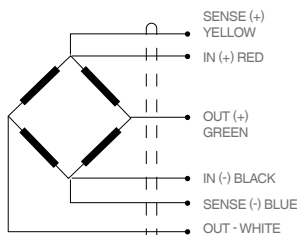
COMPRESSION

min 5 000 kg
max 100 000 kg



APPLICATIONS

Tank, Silo and
Vehicle Weighing System.
Low profile.



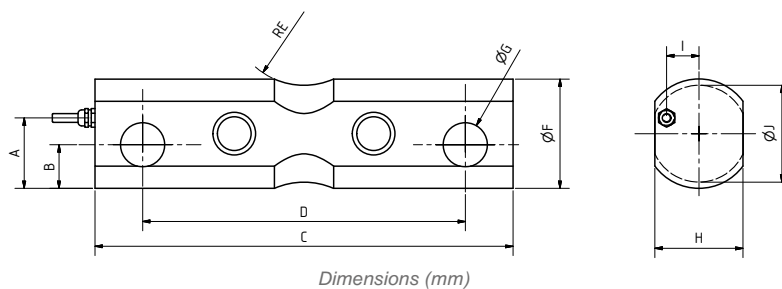
FEATURES

Compression Load Cell.
Double Shear Beam Load Cell.
Stainless Steel Construction.
Hermetically Sealed by Laser Welding.
IP68 Protection (EN 60529).
Stainless Steel Elastic Support.
3000 divisions OIML R60 class C.



SPECIFICATIONS

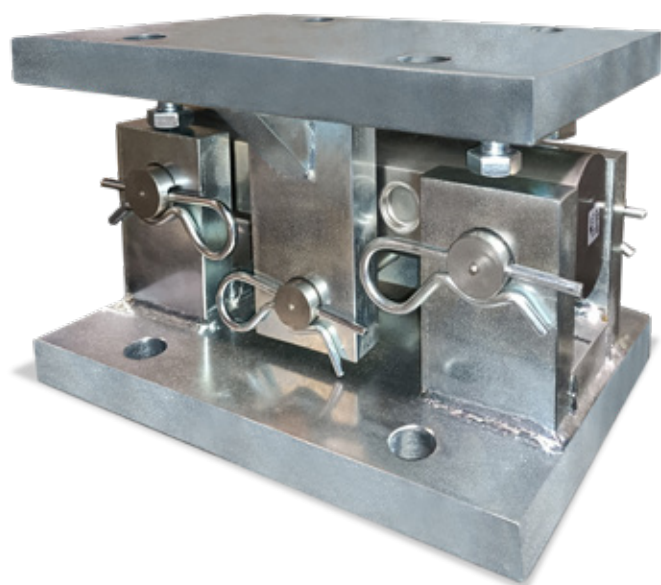
Maximum capacity (E_{max})	5,10,20,30,50,75,100 t
Accuracy Class	C3
Minimum Dead Load	0 kg
Safe Overload	150 % E_{max}
Ultimate Load	200 % E_{max}
Input Impedance	766 $\Omega \pm 5\%$
Output Impedance	700 $\Omega \pm 5\%$
Recommended Excitation Voltage	5-12 V DC
Rated Output (C_n)	2 mV/V
Sensitivity tolerance (-10 °C...+40 °C)	$\pm 0,1\%$
Thermal drift of sensitivity (-10 °C...+40 °C)	$< \pm 0,001\% / ^\circ\text{C}$
Thermal drift of steel (-10 °C...+40 °C)	$< \pm 0,002\% / ^\circ\text{C}$
Maximum Combined Error	$< \pm 0,02\%$
Creep (30 minutes at 20 °C)	$< \pm 0,02\%$
Cable Length	18 m
Electrical Connection	6 -wire (with sense lines)



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

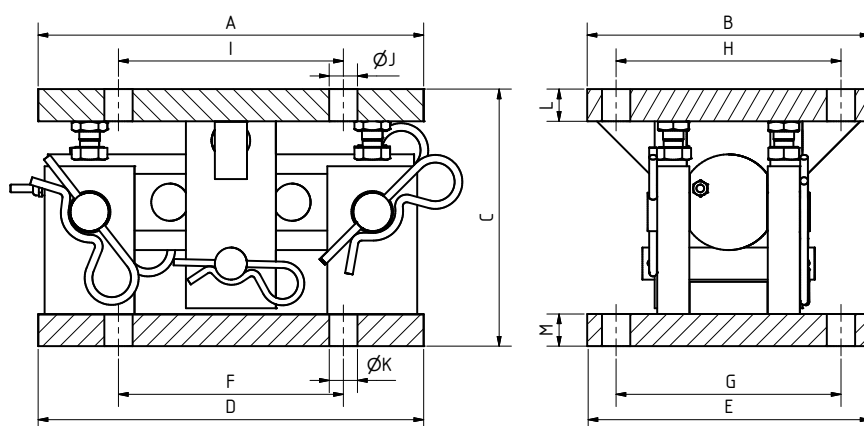
CODE GTI

Max. Capacity - E_{max} (kg)	Accuracy Class n. OIML	$Y = E_{max} / v_{min}$	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



ANTI-TIP TANK MOUNT

GTI



Dimensions (mm)

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	-	-

DIGITAL
COMPRESSION

min 15 000 kg
max 60 000 kg

M 69k
IP

APPLICATIONS

High-Capacity Weighing Systems.
Specially designed
for Truck Scales.

ROJO / ROUGE / RED + V_B

NEGRO / NOIR / BLACK GND

AMARILLO / JAUNE / YELLOW Tx +

BLANCO / BLANC / WHITE Tx -

VERDE / VERT / GREEN Rx +

AZUL / BLEU / BLUE Rx -

FEATURES

Self-Aligning Pivoting Column Compression Load Cell.
Stainless Steel Construction.
Hermetically Sealed, IP69K (ISO 20653).
Easy Installation.
Lightning Protection.
RS485 Full-Duplex Digital Interface.
Software Configuration and Updates via Serial Interface.
Optimized for Commissioning, Corner Adjustment, and Diagnostics.
4000 divisions OIML R60 class C.

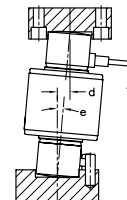
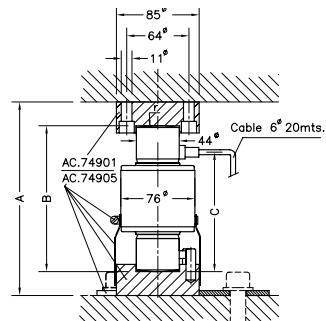
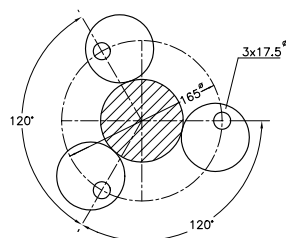


SPECIFICATIONS

Maximum capacity (E _{max})	15,30,40,60 t
Accuracy Class	C4
Minimum Dead Load	0 kg
Safe Overload	120 % E _{max}
Ultimate Load	150 % E _{max}
Combined Error	< ± 0,013 % C _n
Repeatability Error	< ± 0,01 % C _n
Temperature Effect on Zero	< ± 0,01 % C _n / 5 °K
Temperature Effect on Sensitivity	< ± 0,006 % C _n / 5 °K
Creep (30 minutes)	< ± 0,012 % C _n
Compensated Temperature Range	-10 °C...+40 °C
Operating Temperature Range	-30 °C...+70 °C
Rated Output (C _n)	200000 ± 0,05 % counts ⁽¹⁾
Zero Balance	± 0,1 % C _n
Excitation Voltage	7,5 - 18 V DC
Excitation Current	80 mA (max.)
RS485 Serial Interface	Full-Duplex
Max. Transmission Cable Length	1200 m
Maximum Deflection	0,6 - 1
Cable Length	18 m

(1) User-programmable

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



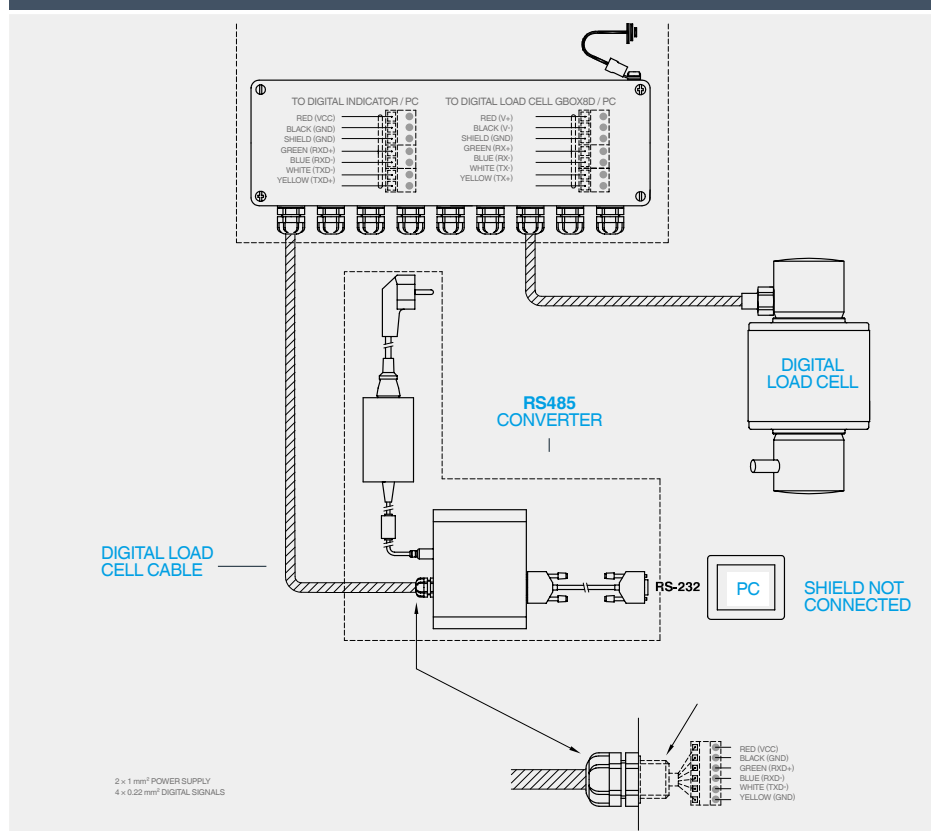
Dimensions (mm)

Reference	A	B	C	d max.	e. max (allowed)	r. est	Shipping Weight
GIP15t	200	150	123	13	5°	130	2 kg
GIP20t	200	150	123	13	5°	130	2,1 kg
GIP25t	200	150	123	13	5°	150	2,2 kg
GIP30t	200	150	123	13	5°	160	2,3 kg
GIP40t	200	150	123	13	5°	180	2,9 kg
GIP60t	260	210	153	11	3°	220	3,7 kg

CODE GIPD 15-60 T

Reference	Max. Capacity - E _{max} (kg)	Accuracy Class n. OIML	Y = E _{max} / v _{min}	Code #
GIPD15t	15	C4	12000	230207
GIPD20t	20	C4	12000	230208
GIPD30t	30	C4	12000	230209
GIPD40t	40	C4	12000	230210
GIPD60t	60	C4	12000	230658

Accessories for GIP Load Cells:
Silo Mount, Junction Box, Ring Set, and Fixing Plates. See pages 55, 58 and 59.



INSTALLATION DIAGRAM ACCESSORIES

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

DIAGRAM
ACCESSORIES

GIPD

Acc. 74902

Acc. 74901 (15...40 t)
Acc. 74905 (60 t)

Acc. 74903

GIP-GIPD

Top plate for fixing the ring set to a structure

Set of Rings

Bottom plate for fixing the ring set to the floor

H ≤ 8 mm

Accessories	Shipping Weight (kg)
AC74901	3
AC74902	3,9
AC74903	9,7
AC74905	3
AC74904	7
AC74911	15

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	-

SET OF RINGS

Reference	Description	Code #
AC74901	Pendular Ring Set for supporting GIP-GIPD Load Cells (15-40 t) – for one load cell	240036
AC74905	Pendular Ring Set for supporting GIP-GIPD Load Cells (60 t) – for one load cell	240039
AC74904	Pendular Ring Set for supporting GIP-GIPD Load Cells (100-200 t) – for one load cell	240510
AC74911	Pendular Ring Set for supporting GIP-GIPD Load Cells (400 t) – for one load cell	240511

SET OF RINGS

GIP
GIPD

PLATES

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

PLATES

GIP
GIPD

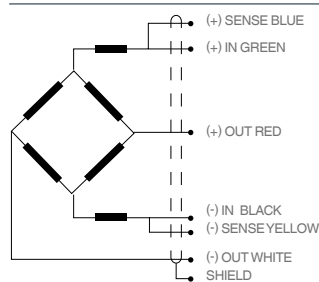
COMPRESSION

min 15 000 kg
max 60 000 kg



APPLICATIONS

High-Capacity Weighing Systems,
specially designed for Truck Scales.



SENSES: 2 additional wires to keep the excitation voltage constant at the load cell with appropriate instrumentation. Especially recommended for long cables and wide temperature ranges.

SHIELD: Not connected to the transducer body.

FEATURES

Self-Aligning Pivoting Column Compression Load Cell.

Stainless Steel Construction.

Hermetically Welded, IP69K protection (ISO 20653).

Available in ATEX version Ex (optional).

Zone 0-1-2 (gas) and 20-21-22 (dust).

Optimized Corner Adjustment for Multi-Load Cell Systems.

Easy Installation.

Lightning Protection.

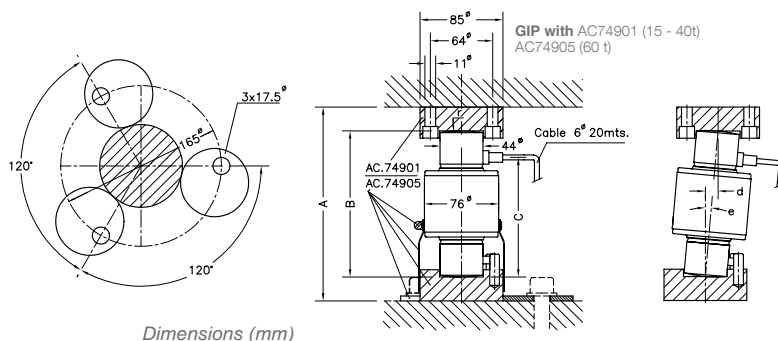
3000 divisions OIML R60 class C.



SPECIFICATIONS

Maximum capacity ($E_{\max}$)	15,20,25,30,40,60 t
Accuracy Class	C3
Minimum Dead Load	0 kg
Safe Overload	120 % $E_{\max}$
Ultimate Load	150 % $E_{\max}$
Combined Error	$< \pm 0,017 \% C_n^{(1)}$
Repeatability Error	$< \pm 0,015 \% C_n$
Temperature Effect on Zero	$< \pm 0,01 \% C_n / 5 ^\circ\text{K}$
Temperature Effect on Sensitivity	$< \pm 0,006 \% C_n / 5 ^\circ\text{K}$
Creep (30 minutes)	$< \pm 0,016 \% C_n$
Compensated Temperature Range	-10 °C...+40 °C
Operating Temperature Range	-30 °C... +70 °C
Rated Output (C_n)	2 mV/V
Recommended Excitation Voltage	10 V
Maximum Excitation Voltage	15 V
Input Impedance	$800 \pm 5 \Omega$
Output Impedance	$700 \pm 5 \Omega$
Zero Balance	$< \pm 2 \% C_n$
Insulation Resistance	$> 5000 \text{ M}\Omega$
Maximum Deflection	0,6-1 mm
Cable Length	18 m

(1) Combined Error. Includes Non-Linearity and Hysteresis



Reference	A	B	C	d max.	e. max (allowed)	r. est	Shipping Weight
GIP15t	200	150	123	13	5°	130	2 kg
GIP20t	200	150	123	13	5°	130	2,1 kg
GIP25t	200	150	123	13	5°	150	2,2 kg
GIP30t	200	150	123	13	5°	160	2,3 kg
GIP40t	200	150	123	13	5°	180	2,9 kg
GIP60t	260	210	153	11	3°	220	3,7 kg

CODE GIP 15-60 T

				ARMORED CABLE	
Max. Capacity - $E_{\max}$ (kg)	Accuracy Class n. OIML	$Y = E_{\max} / v_{\min}$	Code #	Code #	
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	

ACCESSORIES

Reference	Description	Code #
GIPATEX	ATEX Option	-
Accessories for GIP Load Cells: Silo Mount, Junction Box, Ring Set, and Fixing Plates. See pages 55, 58 and 59.		

FEATURES

Self-Aligning Pivoting Column Compression Load Cell.
Stainless Steel Construction.
Hermetically Welded, IP69k protection (ISO 20653).
Available in ATEX version  (optional).
Zone 0-1-2 (gas) and 20-21-22 (dust).
Optimized Corner Adjustment for Multi-Load Cell Systems.
Easy Installation.
Lightning Protection.
1000 divisions OIML R60 class C.



CATALOGUE

GIROPES

GIP



COMPRESSION

min 100 000 kg
max 400 000 kg

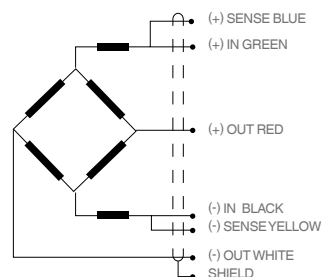


69k
IP



APPLICATIONS

High-Capacity Weighing Systems,
specially designed for Truck Scales.



SENSES: 2 additional wires to keep the excitation voltage constant at the load cell with appropriate instrumentation. Especially recommended for long cables and wide temperature ranges.

SHIELD: Not connected to the transducer body.

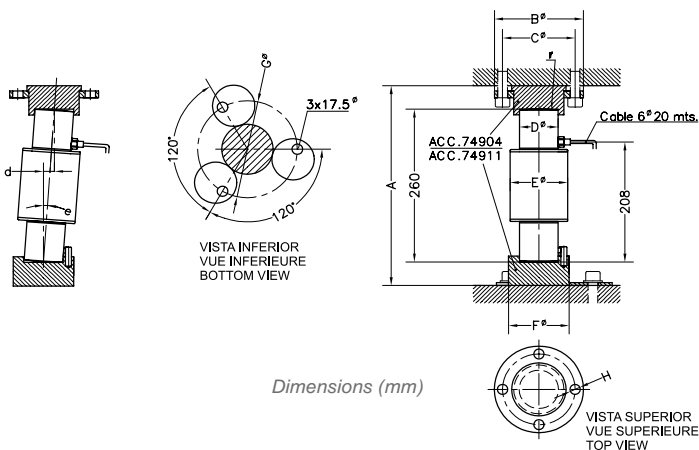
SPECIFICATIONS

Maximum capacity (E_{max})	100,200,400 t
Accuracy Class	C3
Minimum Dead Load	0 kg
Safe Overload	150 % E_{max}
Ultimate Load	200 % E_{max}
Combined Error	$< \pm 0,017 \% C_n^{(1)(3)}$
Repeatability Error	$< \pm 0,015 \% C_n$
Temperature Effect on Zero	$< \pm 0,01 \% C_n / 5 ^\circ k$
Temperature Effect on Sensitivity	$< \pm 0,006 \% C_n / 5 ^\circ k$
Creep (30 minutes)	$< \pm 0,016 \% C_n$
Compensated Temperature Range	-10 °C...+40 °C
Operating Temperature Range	-20 °C...+50 °C
Rated Output (C_n)	$2 \pm 0,1 \% mV/V^{(2)}$
Recommended Excitation Voltage	10 V
Maximum Excitation Voltage	15 V
Input Impedance	$400 \pm 20 \Omega$
Output Impedance	$350 \pm 3 \Omega$
Zero Balance	$< \pm 2 \% C_n$
Insulation Resistance	$> 5000 M\Omega$
Maximum Deflection	0,2-0,4
Cable Length	18 m

(1) Combined Error. Includes Non-Linearity and Hysteresis

(2) $E_{max} \leq 20$ kg, $2 \pm 0,2 \%$

(3) 1500 kg: 2000 n.OIML



Dimensions (mm)

Reference	a	b	c	d	e	f	g	h	d max.	e. max (allowed)	r. est	Shipping 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

CODE GIP 100-400 T

Reference	Max. Capacity - E_{max} (kg)	Accuracy Class n. OIML	$Y = E_{max} / v_{min}$	Code #
GIP100	100000	C1	7500	230659
GIP200	200000	C1	7500	230660
GIP400	400000	C1	7500	230661

ACCESSORIES

Reference	Description	Code #
GIPATEX	ATEX Option	-

Accessories for GIP Load Cells:
Silo Mount, Junction Box, Ring Set, and Fixing Plates. See pages 55, 58 and 59.



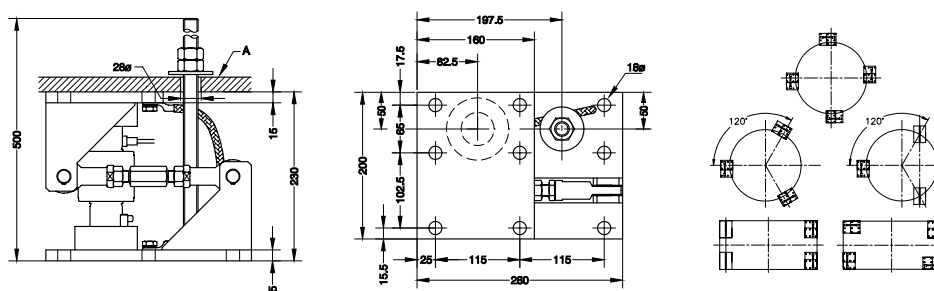
G8R
GIP
GIPD

15 t
40 t

SILO MOUNT

SPECIFICATIONS

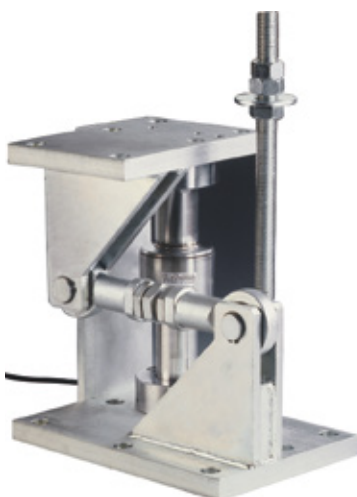
Capacity	15 - 40 t
Maximum Transverse Displacement on the Retaining Arm	± 4 mm
Maximum Permissible Force in the Direction of the Retaining Arm	47 kN
Maximum Permissible Lifting Force	76 kN
Maximum Permissible Vertical Displacement (A)	3 mm
Material	Zinc-Plated Steel
Shipping Weight	19 kg



Reference	Optionals and Accessories	Code #
AC74907	Complete Silo Mount with Anti-Tip System for GIP, G8R Load Cells and their variants up to 40 t (for one load cell)	240040

SPECIFICATIONS

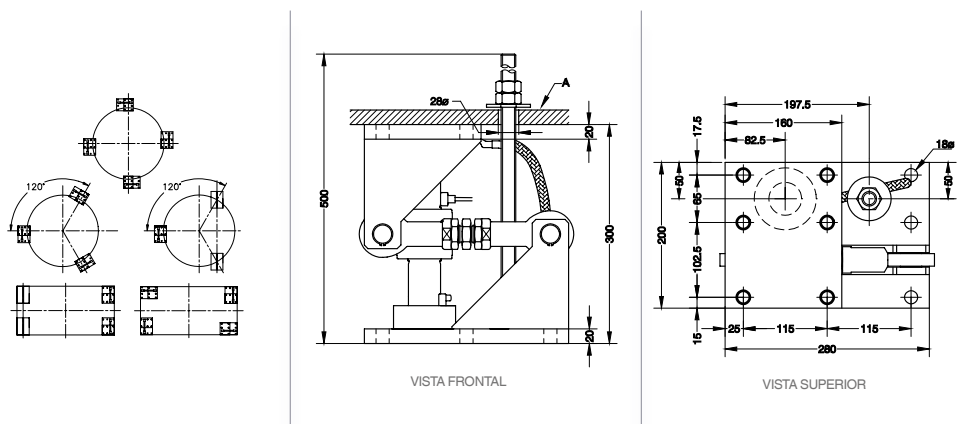
Capacity	60 t
Maximum Transverse Displacement on the Retaining Arm	± 4 mm
Maximum Permissible Force in the Direction of the Retaining Arm	95 kN
Maximum Permissible Lifting Force	114 kN
Maximum Permissible Vertical Displacement (A)	3 mm
Material	Zinc-Plated Steel
Shipping Weight	27 kg



GIP
GIPD

60 t

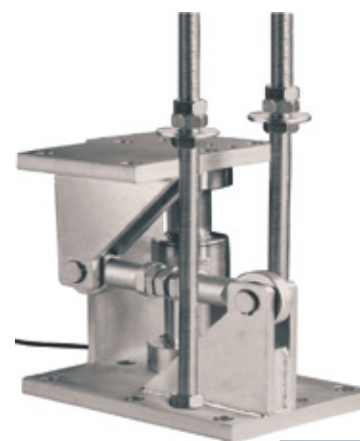
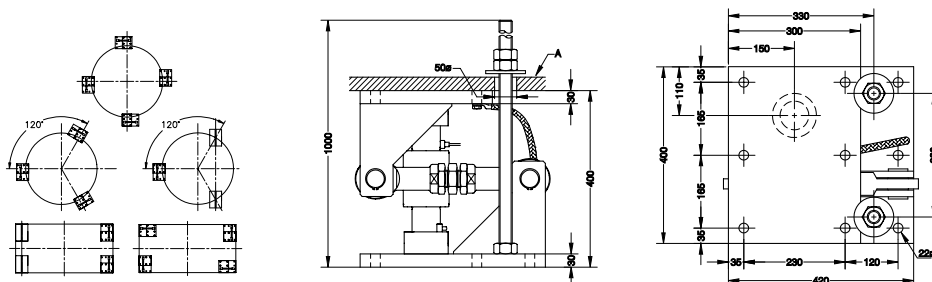
SILO MOUNT



Reference	Optionals and Accessories	Code #
AC74908	Complete Silo Mount with Anti-Tip System for 50 t - 60 t GIP, G8R Load Cells and their variants (for one load cell)	240108

SPECIFICATIONS

Capacity	100 - 200 t
Maximum Transverse Displacement on the Retaining Arm	± 5 mm
Maximum Permissible Force in the Direction of the Retaining Arm	180 kN
Maximum Permissible Lifting Force	228 kN
Maximum Permissible Vertical Displacement (A)	3 mm
Material	Zinc-Plated Steel
Shipping Weight	98 kg



GIP

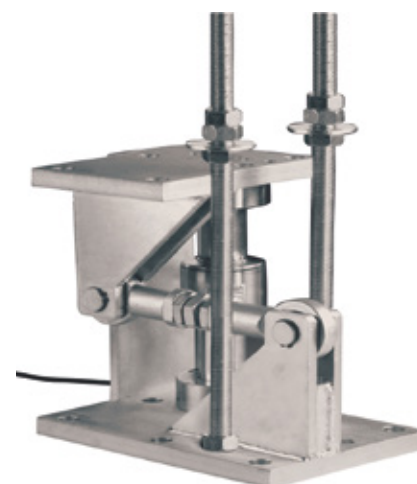
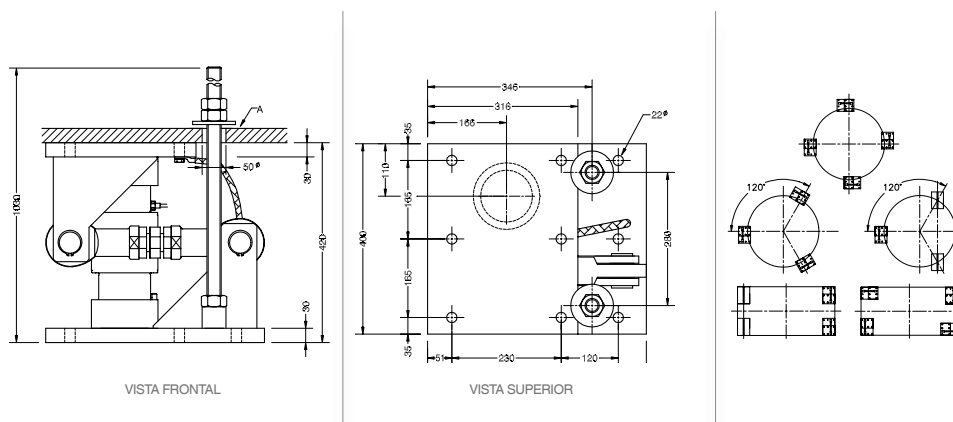
SILO MOUNT

100 t
200 t

Reference	Optionals and Accessories	Code #
AC74909	Complete Silo Mount with Anti-Tip System for 100 t and 200 t GIP Load Cells and their variants (for one load cell)	240109

SPECIFICATIONS

Capacity	400 t
Maximum Transverse Displacement on the Retaining Arm	± 5 mm
Maximum Permissible Force in the Direction of the Retaining Arm	240 kN
Maximum Permissible Lifting Force	330 kN
Maximum Permissible Vertical Displacement (A)	3 mm
Material	Zinc-Plated Steel
Shipping Weight	130 kg



GIP

SILO MOUNT

400 t

Reference	Optionals and Accessories	Code #
AC74910	Complete Silo Mount with Anti-Tip System for 400 t GIP Load Cells and their variants (for one load cell)	240164

G6R



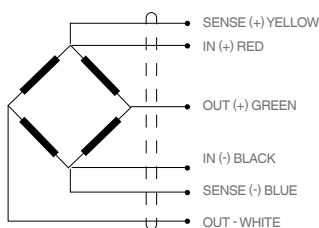
COMPRESSION

min	75 000	kg
max	150 000	kg



APPLICATIONS

Silos, Tanks and Vehicles.
Low Profile.



ACCESSORIES

ANTI-TIP TANK MOUNT

G6R

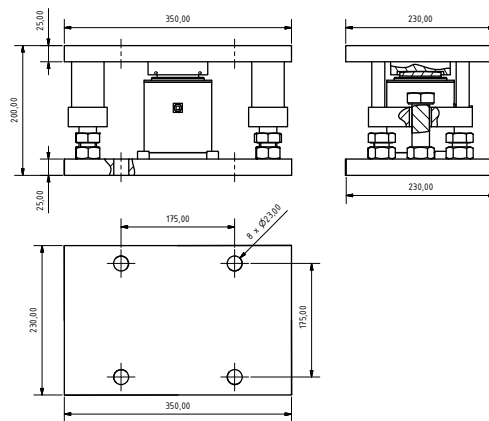
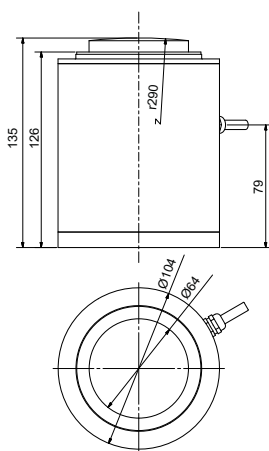


FEATURES

Compression Load Cell.
Stainless Steel Construction.
Hermetically Sealed by Laser Welding.
IP68 Protection (EN 60529).
3000 divisions OIML R60 class C.

SPECIFICATIONS

Maximum capacity ($E_{\max}$)	75,80,85,90,100,125,150 t
Maximum Number of Divisions	3000
Input Impedance	800 $\Omega \pm 2\%$
Output Impedance	700 $\pm 3\%$ Ω
Excitation Voltage	5 V - 12 V
Rated Output (C_n)	2 mV/V
Operating Temperature Range	-10 °C...+50 °C
Maximum Capacity	150 % $E_{\max}$
Ultimate Load	200 % $E_{\max}$
Rated Output Tolerance	$\pm 0,1\%$ $E_{\max}$
Temperature Effect on Zero	$< \pm 0,002\%$ / °C
Temperature Effect on Sensitivity	$< \pm 0,001\%$ / °C
Maximum Combined Error	$< \pm 0,02 E_{\max}$
Creep (30 minutes at 20 °C)	$\pm 0,02\%$
Cable Length	18 m
Electrical Connection	6 -wire (with sense lines)



Dimensions (mm)

CODE G6R

Max. Capacity - E _{max} (kg)	Accuracy Class n. OIML	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 Tank mount	240462

TENSION Load Cells

Tension Load Cells are used for weighing suspended silos and hoppers, as well as in lifting systems such as elevators, hoists, and cranes.

They are also essential for overload protection and in material testing applications where accurate tension force measurement is required.

Model		Capacity (kg)	Page
G1T		30-2500	62
G2T		50-5000	63
G1G		500-12500	64

TENSION

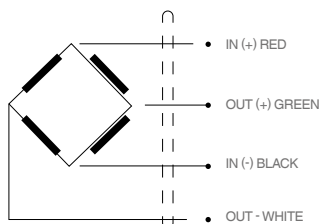
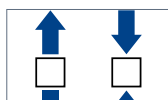
min 30 kg
max 2 500 kg



68
IP

APPLICATIONS

Silos and Hoppers.



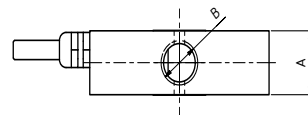
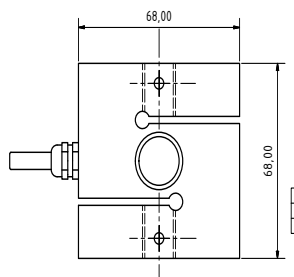
FEATURES

- Tension Load Cell.
- Stainless Steel Construction.
- Hermetically Sealed with Laser Welding.
- IP68 Protection (EN60529).
- 3000 divisions OIML R60 class C.



SPECIFICATIONS

Maximum capacity (E_{max})	30,50,100,150,300,500,750,1000,1500,2000,2500 kg
Accuracy Class	C3
Minimum Dead Load	0 kg
Safe Overload	150 % E_{max}
Ultimate Load	200 % E_{max}
Combined Error	$< \pm 0,017 \% C_n$
Repeatability Error	$< \pm 0,015 \% C_n$
Temperature Effect on Zero	$< \pm 0,01 \% C_n / 5^{\circ}C$
Temperature Effect on Sensitivity	$< \pm 0,006 \% C_n / 5^{\circ}C$
Creep (30 minutes)	$< \pm 0,016 \% C_n$
Compensated Temperature Range	$-10^{\circ}C \dots +40^{\circ}C$
Operating Temperature Range	$-20^{\circ}C \dots +50^{\circ}C$
Rated Output (C_n)	$2 \pm 0,1 \% mV/V$
Recommended Excitation Voltage	10 V
Maximum Excitation Voltage	15 V
Input Impedance	$386 \Omega \pm 2 \%$
Output Impedance	$350 \pm 3 \Omega$
Zero Balance	$< \pm 2 \% C_n$
Insulation Resistance	$> 5000 M\Omega$
Maximum Deflection	0,2-0,4 mm
Cable Length	5 m



Dimensions (mm)

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

Reference	Max. Capacity - E_{max} (kg)	Accuracy Class n. OIML	$Y = E_{max} / v_{min}$	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

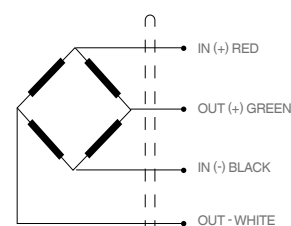
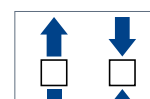
min 750 kg
max 5 000 kg



68
IP

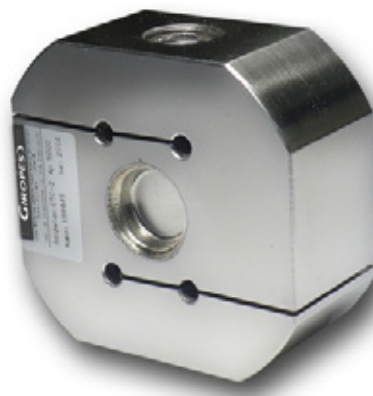
APPLICATIONS

Silos and Hoppers.



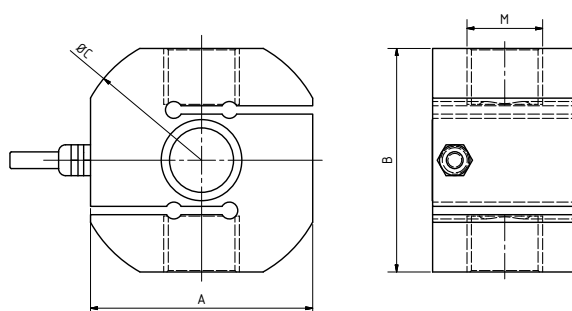
FEATURES

- Tension Load Cell.
- Stainless Steel Construction.
- Hermetically Sealed with Laser Welding.
- IP68 Protection (EN60529).
- 3000 divisions OIML R60 class C.



SPECIFICATIONS

Maximum capacity (E_{max})	750,1000,1500,2000,2500,3000,5000 kg
Accuracy Class	C3
Minimum Dead Load	0 kg
Safe Overload	150 % E_{max}
Ultimate Load	200 % E_{max}
Combined Error	$< \pm 0,017 \% C_n$
Repeatability Error	$< \pm 0,015 \% C_n$
Temperature Effect on Zero	$< \pm 0,01 \% C_n / 5 ^\circ C$
Temperature Effect on Sensitivity	$< \pm 0,006 \% C_n / 5 ^\circ C$
Creep (30 minutes)	$< \pm 0,016 \% C_n$
Compensated Temperature Range	-10 °C...+40 °C
Operating Temperature Range	-20 °C...+50 °C
Rated Output (C_n)	$2 \pm 0,1 \% mV/V$
Recommended Excitation Voltage	10 V
Maximum Excitation Voltage	15 V
Input Impedance	$386 \Omega \pm 2 \%$
Output Impedance	$350 \pm 3 \Omega$
Zero Balance	$< \pm 2 \% C_n$
Insulation Resistance	$> 5000 M\Omega$
Maximum Deflection	0,2-0,4 mm
Cable Length	5 m



E_{max} (kg)	A	B	$\varnothing C$	D	M
250-500	70	70	80	25	M12
750-1500	80	80	91,5	25	M16
2000-5000	94	94	105	42	M22

Dimensions (mm)

Reference	Max. Capacity - E_{max} (kg)	Accuracy Class n. OIML	$Y = E_{max} / v_{min}$	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



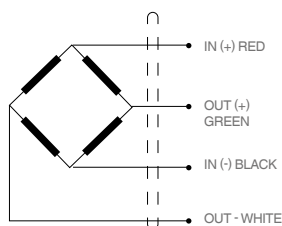
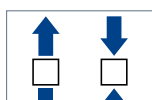
TENSION

min 500 kg
max 12 500 kg



APPLICATIONS

Elevators and Hoists.
Overload Protection.

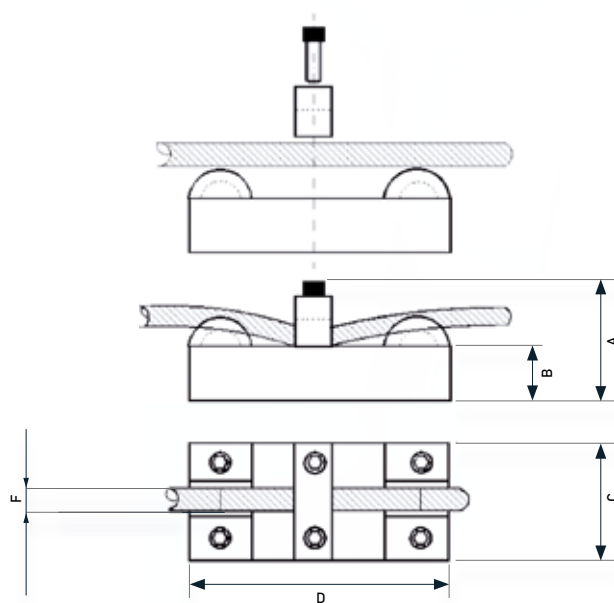


FEATURES

Cable Tension Load Cell.
Stainless Steel Construction.
Hermetically Sealed.
IP67 Protection (EN60529).

SPECIFICATIONS

Maximum capacity (E_{max})	500, 12500 kg
Accuracy Class	C2
Safe Overload	150 % E_{max}
Ultimate Load	400 % E_{max}
Maximum Combined Error	0,02 % E_{max}
Recommended Excitation Voltage	5V...15 V
Input Impedance	$386 \Omega \pm 2 \%$
Output Impedance	$350 \pm 3 \Omega$
Compensated Temperature Range	-10 °C...+40 °C
Rated Output (C_n)	2 mV/V $\pm 1 \%$
Insulation Resistance	> 5000 M Ω
Longitud cable	5 m



Dimensions (mm)

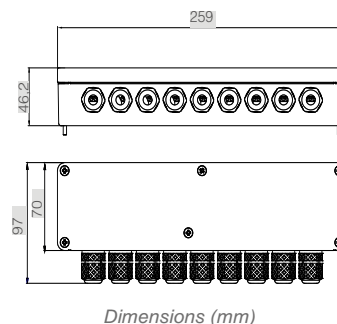
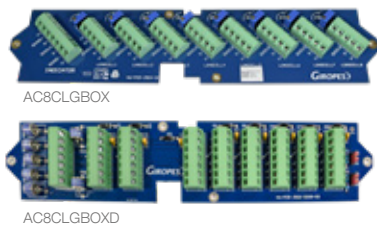
Model	F (Diameter)	A	B	C	D
G1G 500 - 5000	4-15	80	25	73	230
G1G 3000 - 7500	4-24	70	25	60	230
G1G 5000 - 12500	4-35	55	25	40	180

Reference	Max. Capacity - E_{max} (kg)	Accuracy Class n. OIML	$\gamma = E_{max} / v_{min}$	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

Accessories

Essential accessories for the installation, protection, and optimal performance of weighing systems.



CELLS
NUMBERJUNCTION BOX
IP66

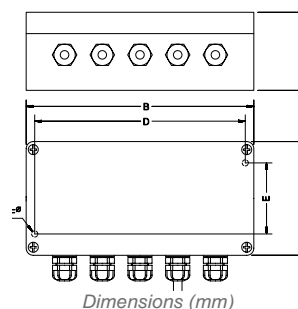
≤ 8

BONDING CIRCUIT

Reference	Description	Code #
GBOX8	ABS Junction Box for up to 8 Load Cells. IP66	240442
GBOX8D	Hermetic ABS Digital Junction Box by Giropes (8 Load Cells). IP66	240487

Reference	Description	Code #
AC8CLGBOX	Bonding Circuit for up to 8 Load Cells	240447
AC8CLGBOXD	Digital Connection Circuit for up to 8 Load Cells	240066

Reference	A	B	C	D	E	ØF	Shipping 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	Aluminium
89092	52	250	80	238	52	4,8	1,0 kg	Aluminium
89093	57	175	80	163	52	4,8	0,8 kg	Aluminium
89128	57	175	80	163	52	4,8	0,8 kg	Aluminium



Reference	Description	Code #
AC89002	Hermetic Plastic Junction Box for up to 8 Load Cells	240044
AC89053	Hermetic Plastic Junction Box for up to 4 Load Cells	240045
AC89128	Hermetic Junction Box for up to 4 Load Cells with Surge Protection	240053
AC89068	Hermetic Aluminium Junction Box for up to 8 Load Cells with Surge Protection	240046
AC89093	Hermetic Aluminium Junction Box for up to 4 Load Cells, ATEX Version Zone 0, 1, 2, 20, 21, 22	240052
AC89092	Hermetic Aluminium Junction Box for up to 8 Load Cells, ATEX Version Zone 0, 1, 2, 20, 21, 22	240051

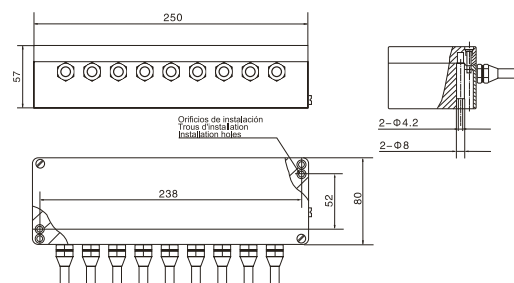
CELLS
NUMBER

JUNCTION BOX

≥ 4
≤ 8

BONDING CIRCUIT

Reference	Sólo de circuito y componentes sin caja	Code #
AC89069	One Bonding Circuit for up to 4 Load Cells	240047
AC89070	One Bonding Circuit for up to 8 Load Cells	240048
AC89071	One Bonding Circuit for up to 8 Load Cells with Surge Arresters	240049

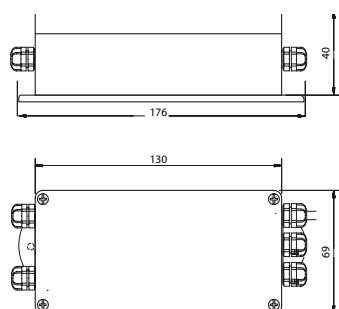


Dimensions (mm)

CELLS
NUMBER
 ≥ 2
 ≤ 8

JUNCTION BOX

Reference	Description	Code #
AC90008	Hermetic Aluminium Junction Box for 2 to 8 Load Cells	240061



Dimensions (mm)



*cables no incluidos

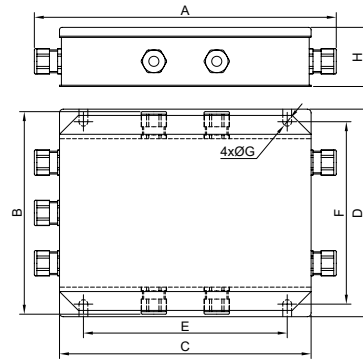
IP 68

CELLS
NUMBER
 ≤ 4
JUNCTION BOX
IP68

Reference	Description	Code #
WBOX4	ABS Junction Box IP68 WBOX4 for up to 4 Load Cells	240450

Reference	Description	Code #
-	Sealing and Insulating Gel Kit for the Protection of Electronic Circuits	240185

SEALING GEL



Dimensions (mm)

Reference	A	B	C	D	E	ØF	H	material
AC90001	240	165	200	170	162	155	7	Stainless steel
AC90002	175	- - -	132	110	168	35	7	Stainless steel

CELLS
NUMBER

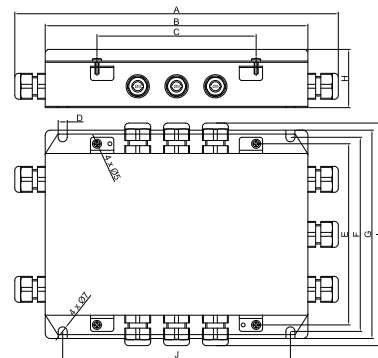
JUNCTION BOX

≤ 4
≤ 8

BONDING CIRCUIT

Reference	Description	Code #
AC90001	Stainless Steel Junction Box for up to 8 Load Cells	240055
AC90002	Stainless Steel Junction Box for up to 4 Load Cells	240056

Reference	Sólo de circuito y componentes sin caja	Code #
AC90031	One Connection Circuit for up to 8 Load Cells for AC90001 Box	240122
AC90030	One Connection Circuit for up to 4 Load Cells for AC90002 Box	240076



Mounting Dimensions (mm) | Shipping Weight 0,9 kg

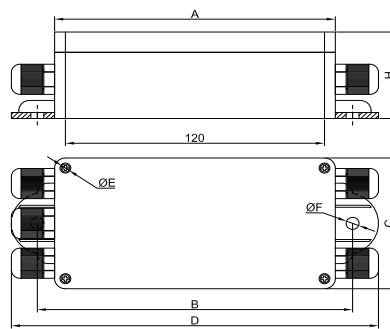
Reference	A	B	C	D	E	F	G	I	J	H	material
AC90006	250	200	120	7	140	150	160	170	170	45	Stainless steel

CELLS
NUMBER

≤ 10

JUNCTION BOX

Reference	Description	Code #
AC90006	Compact Stainless Steel Junction Box for up to 10 Load Cells	240059



Dimensions (mm)

Reference	A	B	C	D	E	ØF	H	material
AC90004	130	146	65	170	3	6,5	43	Plastic

CELLS
NUMBER

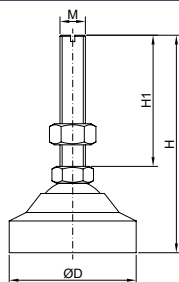
≤ 4

JUNCTION BOX

Reference	Description	Code #
AC90004	Compact Plastic Junction Box for up to 4 Load Cells. IP66 Protection	240057

FEATURES

- > Self-Aligning Foot with Ball
- > Versions: Nickel-Plated Steel and Stainless Steel
- > Rubber Base



Load	H	H1	ØD	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

Reference	Optionals and Accessories	Shipping Weight (kg)	Code #
AC90010	Self-Aligning Foot with Ball, M12 × 1.75, Nickel-Plated Steel	0,365	240063
AC90011	Self-Aligning Foot with Ball, M12 × 1.75, Stainless Steel	0,330	240064
AC90012	Self-Aligning Foot with Ball, M18 × 1.75, Nickel-Plated Steel	0,910	240065
AC90022	Self-Aligning Foot with Ball, M20 × 1.75, Nickel-Plated Steel	1,620	240103

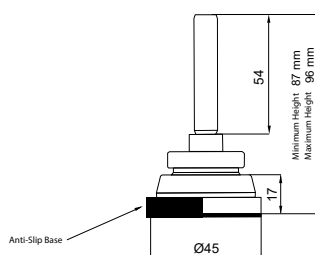


SELF-ALIGNING FOOT

M12
M18

FEATURES

- > Self-Aligning Foot with Ball
- > Stainless Steel
- > Rubber Base



Reference	Optionals and Accessories	Shipping Weight (kg)	Code #
INPIEPIV	Self-Aligning Foot with Ball M12 × 1.75 in Stainless Steel	0,250	700045



SELF-ALIGNING FOOT

M12

FEATURES

- > Self-Aligning Rod Foot with Spherical End
- > Versions: Nickel-Plated Steel and Stainless Steel
- > Rubber Base

Reference	Optionals and Accessories	Shipping Weight (kg)	Code #
AC90014	Self-Aligning Rod Foot with Spherical End M12 × 1.75 in Nickel-Plated Steel	0,245	240067
AC90014i	Self-Aligning Rod Foot with Spherical End M12 × 1.75 in Stainless Steel	0,245	240068



SELF-ALIGNING FOOT

M12

FEATURES

- > Self-Aligning Sliding Cylinder Foot
- > Nickel-Plated Steel

Reference	Optionals and Accessories	Shipping Weight (kg)	Code #
AC90024	Self-Aligning Sliding Cylinder Foot M12 × 1.75 in Nickel-Plated Steel	0,370	240439



SELF-ALIGNING FOOT

M12

FEATURES

- > Levelling Foot
- > Nickel-Plated Steel
- > Rubber Base

Reference	Optionals and Accessories	Shipping Weight (kg)	Code #
AC90025	Levelling Foot with Rubber Base. M12 × 1.75 in Nickel-Plated Steel.	0,265	240440



LEVELLING FOOT

M12

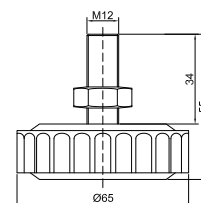
M12



LEVELLING FOOT

FEATURES

- > Rigid Levelling Foot
- > Zinc-Plated Steel
- > Rubber Base



Reference	Optionals and Accessories	Shipping Weight (kg)	Code #
AC90019	Levelling Foot for Single-Point Platforms M12 in Zinc-Plated Steel	0,090	240072

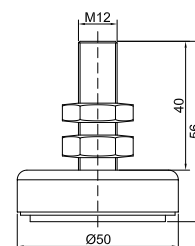
M12



LEVELLING FOOT

FEATURES

- > Rigid Levelling Foot
- > Stainless Steel
- > Hard Plastic Base



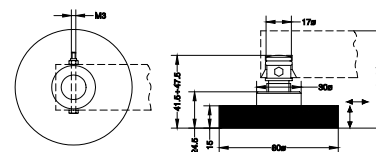
Reference	Optionals and Accessories	Shipping Weight (kg)	Code #
AC90020	Levelling Foot for Single-Point Platforms in Stainless Steel	0,120	240073

Ø17
Ø80

SELF-ALIGNING FOOT

FEATURES

- > Self-Aligning Sliding Cylinder Foot
- > Stainless Steel
- > Hard Plastic Base



Reference	Optionals and Accessories	Shipping Weight (kg)	Code #
AC90016	Self-Aligning Sliding Cylinder Foot in Stainless Steel and Rubber, Cylinder Ø17 Base Ø80	0,290	240070

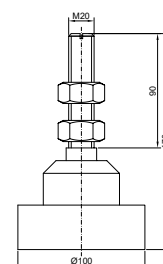
M20



SELF-ALIGNING FOOT

FEATURES

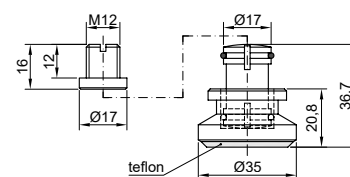
- > Self-Aligning Foot with Ball
- > Versions: Nickel-Plated Steel and Stainless Steel
- > Up to 10 t



Reference	Optionals and Accessories	Shipping Weight (kg)	Code #
PIV100 z	Self-Aligning Foot with Ball M20 in Nickel-Plated Steel	2,600	700055
PIV100	Self-Aligning Foot with Ball M20 in Stainless Steel	2,600	700054

FEATURES

- > Self-Aligning Sliding Cylinder Foot
- > Low Height
- > Stainless Steel
- > Teflon Base
- > Includes Accessory for Height Adjustment



Reference	Optionals and Accessories	Shipping Weight (kg)	Code #
AC90015	Self-Aligning Sliding Cylinder Foot in Stainless Steel, Cylinder Ø17, Base Ø35	0,120	240069



SELF-ALIGNING FOOT

M12

Description	Code #	
Rod End M12	240444	
Rod End M16	240445	
Rod End M20	240512	
Rod End M22	240446	
Rod End M24	240513	



ROD END

M12
M16
M20
M22
M24

GIROPES

THE VALUE OF WEIGHT AS INSPIRATION AND PASSION

Since our beginnings, we have conceived weighing as a key pillar in production processes and quality control. This is why we are constantly committed to innovation and investment in R&D, developing advanced solutions that go beyond conventional weighing systems.

Driven by a philosophy of continuous improvement and a firm commitment to innovation, we have transformed Giropes from a metalworking company specialized in metal treatment for weighing systems into a benchmark in cutting-edge technology, offering comprehensive solutions tailored to the needs of each sector.

In recent years, this focus on R&D has allowed us to expand our catalogue with self-developed weight indicators, complete automation systems for all types of installations, and intelligent weighing software, providing total process control and optimizing operational efficiency. We continue to innovate to offer the most advanced and efficient solutions on the market.

WARRANTY CONDITIONS:

Giropes guarantees its products, bought through an authorized channel, with reference to manufacturing or material defects during a period of two years from the delivery date, according to the current legislation, except when there is a specific agreement or in the acceptance of the order.

- » The guarantee does not include damages produced by the wear of the material due to its use, inappropriate conservation or maintenance, Wrong storage or use, modifications introduced without the consent, on paper, from Giropes and in general due to causes beyond the control of our company, Giropes.
- » The guarantee does not include accessories such as battery, adaptor, electrical header, etc.
- » The reparations will be done by Giropes. The customer must pay for the dismantling, the packaging, the transport, the taxes, custom duty... produced by the delivery of the material to Giropes and its delivery to the customer.
- » The customer must do the delivery of the material via the RMA system which Giropes has.
- » Giropes can agree with the customer the reparation or the replacement of the faulty pieces. In such case, the expenses of the journey of the members of the technical service will be paid by the customer.
- » In the event of a malfunction of the product, within the first 45 days since its delivery, it is going to be replaced. The customer must claim for any damages by completing a RMA form and the item must be returned in its original, undamaged packaging. Giropes reserves the right to ask for images and/or videos to evaluate each case and for its approval. Giropes is going to take charge of the picking-up and the transport of the product. Giropes reserves the right to charge the product and transport if the product has been handled and damaged or the packaging is not completed.
- » A new warranty period does not commence in the case of replacement, but the calculation of the outstanding warranty period of the original product is reactivated.
- » Giropes is not going to pay for the reparations done by third parties.
- » The repairing or replacement of a faulty piece does not vary the guarantee period of the supplied product. However, the piece that has been repaired or replaced has a guarantee period of two years from the date when the reparation or replacement has been done (for the duration of the repair, the calculation of the two-year period is suspended).
- » Giropes is not responsible, in any case, of indirect damages and/or as a consequence of the supplying.
- » The Customer will be responsible of getting rid of the elements supplied by Giropes sl, following the necessary regulation rules, by its own account and responsibility.

WARRANTY FOR DAMAGES DONE DURING THE TRANSPORT:

- » Customers out of Spain but in European Union have 7 days from the date of delivery of the merchandise to communicate to BAXTRAN any type of damage produced by the transport in case the transport has been hired by Baxtran. If the complaining is not done during this period, BAXTRAN will not be responsible and in charge to pay for any type of repairing or substitution if the product has been damaged. This period could change by other country's law.
- » We remind you that there is at your disposal a section called "Reservations entry" to specify, when signing the delivery note that the package contains damages such as hits, breaks or others that can affect the product and cannot be seen without opening the package. We strongly recommend you to complete with your observations the delivery note from the deliverer before signing it. All the members of our staff have an EC Certify and the user's guide for our customers.
- » Remember that as manufacturers Giropes SL does not include transportation damage in the guarantee, so if they do not specify it in the "Reservation Annotation" it can not be claimed from the carrier.

REMOVAL OF USED ELECTRONIC PRODUCTS WITH THE SAME FEATURES AS THE PRODUCT PURCHASED:

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

WARRANTY



RMA

Giropes announced the introduction of a RMA service (Return Merchandise Authorization) with the objective to improve steps for products returns and/or repair and give a better after-sales services.

From now RMA number is going to be compulsory to start any Technical Service.

If you are not familiar with our RMA, system, please click the link and follow the instructions.

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

STEP 1

Go to Giropes website and click on

RMA section:

www.giropes.com



STEP 2

Complete the form to request RMA number:

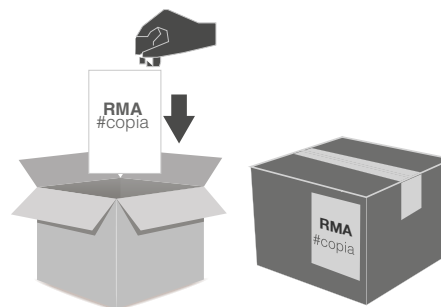
- <https://www.giropes.com/en/rma/>
- Giropes will answer within a period of more less 24 hours (on weekdays), with an RMA number and a label.



STEP 3

Return to Giropes:

- The box has to contain a copy of the RMA.
- The material has to be sent prepaid to the address that figures in the label, and a RMA copy appearing in a visible part of the package.



STEP 4

• **Return resolution:**

- Once the material is received, Giropes will proceed verifying and/or repairing it. As soon as the incident is resolved, Giropes will send out the item repaired freight collect.

For more information contact with our Technic Service
+34 972 527 212
service@giropes.com

Compensation quotes are valid for 45 days from the date on which they are sent. If after this period no written reply of acceptance or rejection of the quote has been received, the merchandise will be returned with the delivery fees to be paid by the recipient. In the case that the delivery is rejected, and, consequently, returned to our facilities, the material will then be considered property of GIROPES.

ADVERTISING AND INFORMATIVE MAILING

Following the general conditions of sale of Giropes SL, our Customers are incorporated to our database, so our customer is going to receive mailings with offers of our products and updates and news referring to these ones. If you want to use your rights of cancellation concerning to this matter, please contact us. In every email you receive, you can unsubscribe yourself if you do not wish to receive more offers or information about the products of Giropes SL and its brands.

NOTES REFERRING TO OUR CATALOGUE:

- The information of the products as well as their references and prices have been revised to make sure that they are right and they are completely updated. However, we can not guarantee that there is no mistake both in the Description and/or the prices which are shown or that our products are available at any time.
- The prices except if there is a typographical error or until the current document is modified. Please, consult Giropes SL to know always the last revision of the catalogue, the current prices and their availability at the time of placing your order.
- Similarly, we also inform you that the images that appear in our catalogue and in our website do not imply any contractual commitment. Giropes offers in this publishing and in the web of the products which are available and possibility to be delivered at the time of publishing the document. However, the circumstances can lead us to offer alternative equipment or changes in their design, which must also go through our exhaustive criteria of product quality.

INTELLECTUAL PROPERTY:

- The sale and delivery of equipment, software or services by Giropes SL and their brands to the Customer does not represent any transfer of property rights, patents, "copyrights", trademark right, technologies, designs, specifications, plans or any other intellectual property directly or indirectly incorporated to the equipment and software.

PAYMENT TERMS

- All the prices that appear in our catalogue are without VAT. Any type of indirect tax in connection with the sale are in charge of the customer. Cost of transport is not included.
- In general, the form of payment is a transfer within 30 calendar days since the issue date of the invoice. The modalities and payment methods must be formalised in writing with the acceptance of Giropes SL.
- Cash discount: a discount of the 3% can be applied for cash discount, provided that the replenishing is done within 15 days subsequent to receipt of goods. The invoice is going to be done with cash discount if it has been indicated at the moment of confirming your order when sending the goods. If the payment has not been done within the specified time, we are going to send an invoice without the 3% discount. If the customer has a complaint or objection, it does not entitle him to delay payment.

ORDERS

- The Customer must ask for the equipment using any type of writing communication. The order which have not been approved first by Giropes SL will not be valid.

RETENTION OF TITLE

- As the Contractual relationship the Customer gives to Giropes SL the retention of title of the equipment delivered until the actual payment of the ones and in the established conditions.

Prices are RRP (Taxes and transport not included).

Development Goals and ESG Criteria at Giropes

At Giropes, we believe that business growth is only truly sustainable when it goes hand in hand with social and environmental responsibility. That's why we follow a strategy that strengthens our commitment to sustainability and corporate responsibility — not only to face global challenges but also to build a better future alongside our customers, employees, and partners.

We apply this vision across key areas such as resource management, production, supply chain, waste management, and stakeholder relations, ensuring that every step we take brings us closer to excellence in an ethical and sustainable way.

Our goal is clear: to create a positive impact and provide innovative solutions that respect both the planet and people.



Environmental

At Giropes, we are fully committed to minimizing our environmental impact and actively contributing to the fight against climate change. We focus on reducing greenhouse gas emissions through concrete actions that optimize resource use and promote sustainability across all our operations.

ACTIONS:

ENERGY EFFICIENCY: Our facilities in Girona and Toledo are equipped with solar panels — a total of 268 — generating renewable energy sufficient to fully supply the Girona plant through self-generation. This is complemented by other measures to optimize consumption. In Vilamalla, this investment will reduce CO2 emissions by 37 tonnes annually, while in Toledo the reduction will reach 15 tonnes — a total saving of 52 tonnes of CO2 every year.

WASTE MANAGEMENT: In 2023, we replaced plastic strapping with eco-friendly strapping, saving nearly 27 km of packaging material annually at Baxtran and over 10 km at Giropes. We also replaced bubble wrap with kraft paper for product filling and protection. In addition, we have continued to improve our waste sorting system, managing cardboard and iron more efficiently in collaboration with the recycling company Sersall.

PRODUCTION EFFICIENCY: We are committed to modernizing robotics at our truck scale production plant. The recent upgrade of the robotic welding line not only improves the manufacturing process but also reduces energy consumption and optimizes resource efficiency.

SUPPLY CHAIN: In the production of our truck scales, we work with suppliers such as CELSA Group, certified under UNE-EN ISO 14021, guaranteeing that the scales contain over 90% recycled material (scrap metal) and are 100% recyclable. Compliance is verified through periodic inspections under the AENOR N Product Certification.



Social

We are committed to fostering a safe, equitable, and supportive working environment, ensuring fair conditions and respect for human rights, while promoting the well-being of all our employees.

ACTIONS:

TRAINING: We implement a training schedule designed to enhance language, technical, and strategic skills across our teams.

CYBERSECURITY: Protecting our digital assets is essential to ensure the integrity and confidentiality of information. To achieve this, we implement measures such as access management, firewall use, data encryption, and employee training.

CUSTOMER SATISFACTION: In compliance with ISO 9001, we conduct annual surveys to continuously improve the quality of our products and services.

GENDER EQUALITY AND DIVERSITY: We have developed an Equality Plan that includes awareness campaigns and a workplace harassment prevention protocol.

HEALTH AND SAFETY: We prioritize well-being through psychosocial studies and occupational risk prevention programs.

Corporate Governance

At Giropes, we ensure transparent and efficient business management, based on structures, regulations, and controls that guarantee responsible decision-making aligned with industry standards. Our governance commitment allows us to improve operational efficiency, strengthen stakeholder trust, and promote a corporate culture based on ethics and sustainability.

ACTIONS:

MANAGEMENT COMMITTEE: We have a management committee made up of leaders from different areas, ensuring diverse perspectives in strategic decision-making and promoting a global vision of the company.

RESPONSIBILITY STRUCTURE: We maintain a clear organizational chart that defines roles and interactions between departments, aligned with industry standards.

RESPONSIBLE BUSINESS PRACTICES AND PROCESSES: We carry out internal and external audits to monitor our policies and ensure ethical and efficient management.

PUBLIC DISCLOSURE OF ESG GOALS: We share our ESG initiatives through reports, social media, press, and other channels, ensuring transparency and commitment.





GIROPES

THE VALUE OF WEIGHT
AS INSPIRATION
AND PASSION

We provide solutions for the weighing system needs of hoppers and silos, offering the various components and devices required to complete the installation.

Load cells with different capacity ranges, accuracy levels, and protection ratings, depending on the demands of the working environment.



GIROPES
WEIGHING SOLUTIONS

