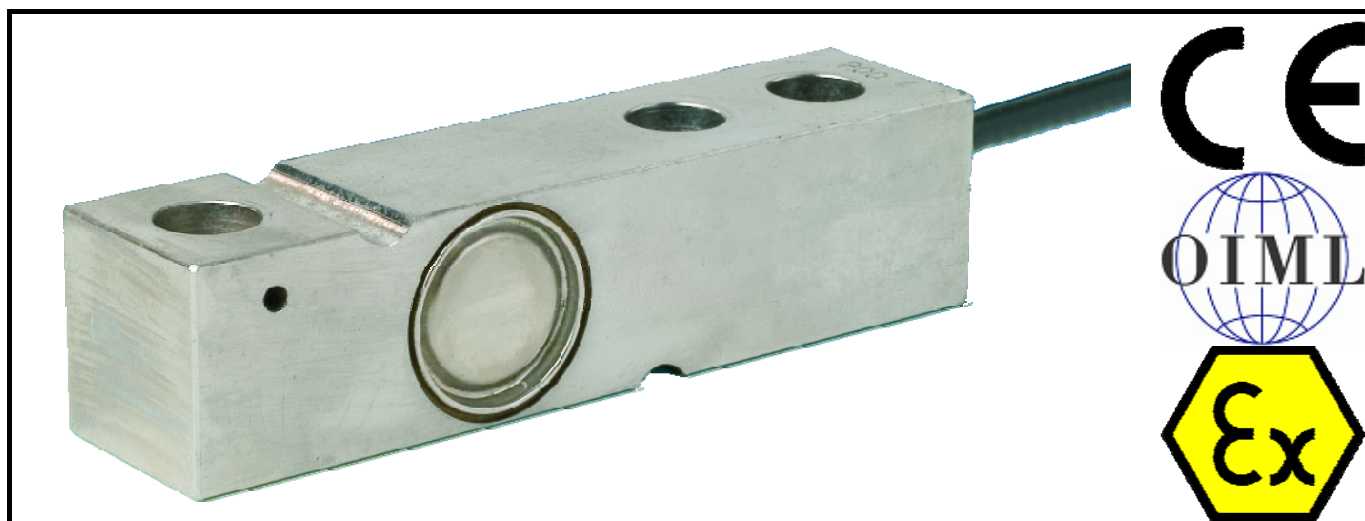
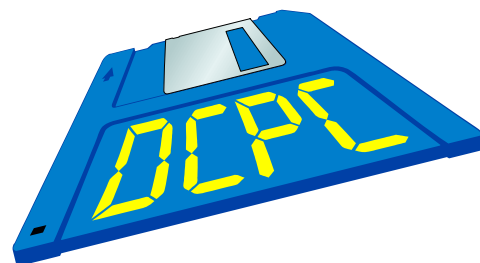
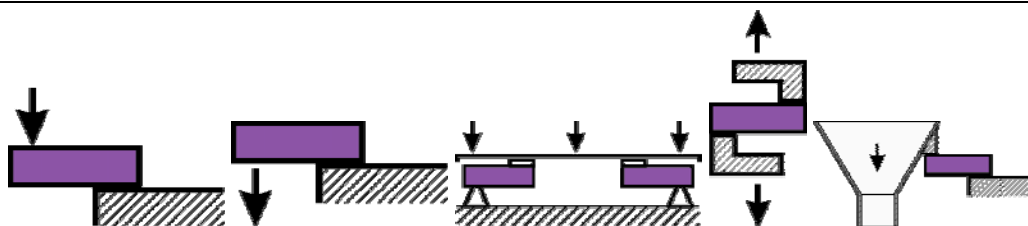


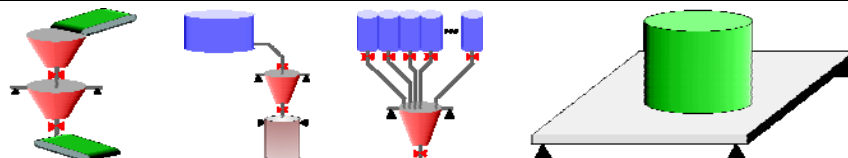
Modelo <i>Model</i>	461
Rango <i>Range</i>	300kg ... 5000kg



Tipo de montaje
Mounting type



Aplicaciones típicas
Typical applications



- Célula de carga de cizallamiento
- Versiones:
 - 461i (300...5000kg): Totalmente en acero inox. Sellado hermético, completamente soldada, IP68 (EN 60529) e IP69K (ISO20653)
 - 461a (300...5000kg): Construcción en acero inox. Sellado silicona, IP 66 (EN 60529)
 - 461n (300...2000kg): Construcción en acero niquelado. Sellado silicona, IP 66 (EN 60529)
- 3000 divisiones O.I.M.L. R60 clase C
- Preajuste de esquinas optimizado para sistemas multicélulas
- Disponible en versión (opcional) Zona 0-1-2 (gas) y 20-21-22 (polvo)
- Aplicaciones industriales de alta precisión: Plataformas con 4 células, reactores, tanques y tolvas

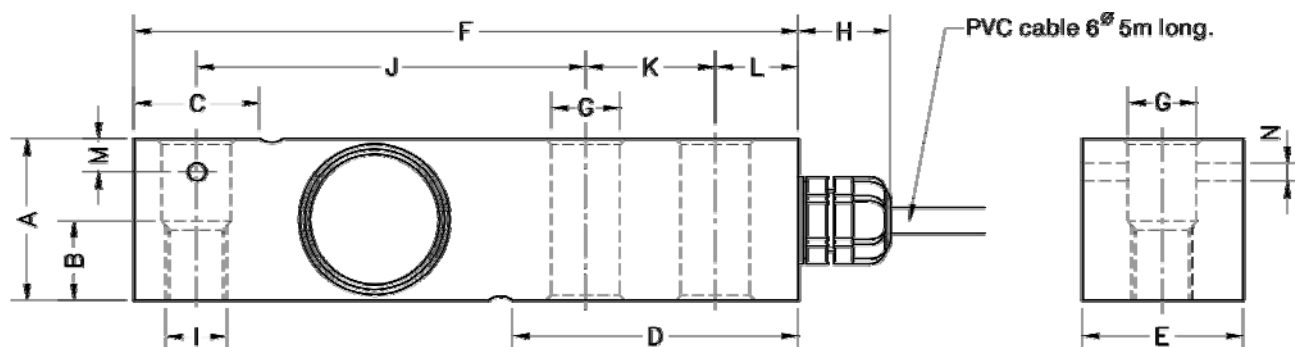
- *Shear beam load cell*
- *Versions:*
 - 461i (300...5000kg): *Fully stainless steel construction. Hermetically sealed, fully welded, IP68 (EN 60529) and IP69K (ISO20653)*
 - 461a (300...5000kg): *Stainless steel construction. Silicone sealing, IP 66 (EN 60529)*
 - 461n (300...2000kg): *Nickel-plated steel alloy. Silicone sealing, IP 66 (EN 60529)*
- *3000 divisions O.I.M.L. R60 class C*
- *Pre-corner adjustment optimized for multicell systems*
- *Available in version (optional) Zone 0-1-2 (gas) and 20-21-22 (dust)*
- *High accuracy on industrial applications: four load cells platforms, tanks and hopper weighing*

Modelo / Model: **461**

Modelo Model	Carga nominal Nominal capacity Ln	Clase de precisión Accuracy class n. OIML	División mínima Minimum division vmin	Carga de servicio Service load 150 % Ln	Carga límite Safe load 200 % Ln
461 300 kg	300 kg	3000	30 g	450 kg	600 kg
461 500 kg	500 kg	3000	50 g	750 kg	1000 kg
461 750 kg	750 kg	3000	75 g	1125 kg	1500 kg
461 1000 kg	1000 kg	3000	100 g	1500 kg	2000 kg
461 1500 kg	1500 kg	3000	150 g	2250 kg	3000 kg
451 2000 kg	2000 kg	3000	200 g	3000 kg	4000 kg
461 3000 kg	3000 kg	3000	300 g	4500 kg	6000 kg
461 5000 kg	5000 kg	2000	500 g	7500 kg	10000 kg

Mod. **461i/a** (300...5000kg)

Mod. **461n** (300...2000kg)

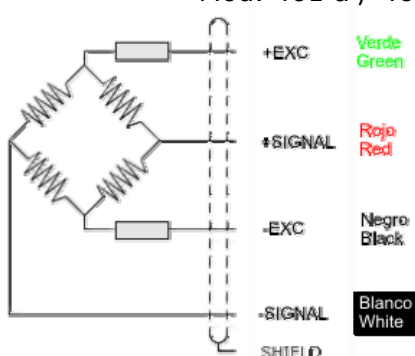


Ref.	A	B	C	D	E	F	GØ	H	I	J	K	L	M	NØ
461 300 kg														
461 500 kg														
461 750 kg	31.5	15	24.6	56	31.5	130	13.5	18	M12	76.2	25.4	15.8	6.5	3.5
461 1000 kg														
461 1500 kg														
461 2000 kg														
461 3000 kg	48	-	37	76	41.5	171.5	20.5	18	-	95.2	38.1	19	-	-
461 5000 kg														

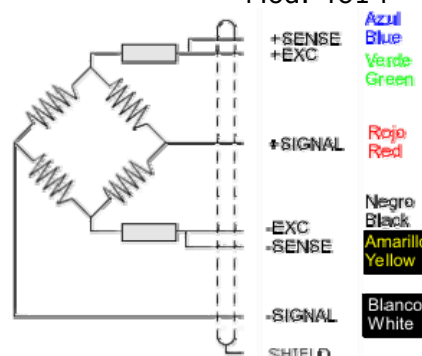
Dimensiones en mm. *Dimensions in mm.*

Conexion Eléctrica:
Electrical Connection:

Mod. 461 a / 461 n



Mod. 461 i



Malla:
no conectada al cuerpo del transductor

Shield:
Not connected to transducer body

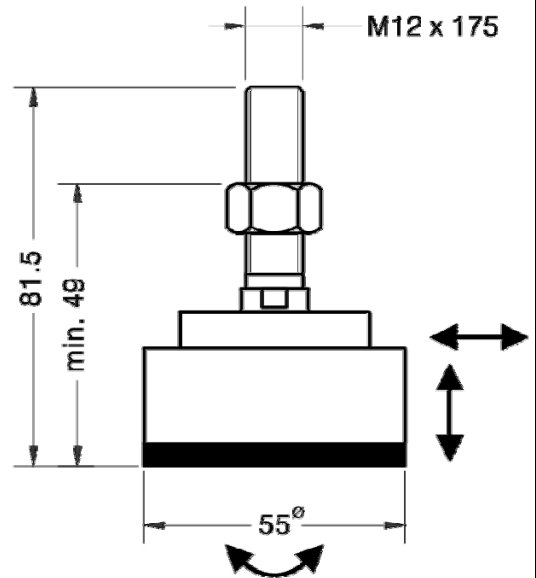
ESPECIFICACIONES			SPECIFICATIONS
Cargas nominales (Ln)	300-500-750- 1000-1500-2000- 3000-5000	kg	Nominal capacities (Ln)
Clase de precisión	3000	n. OIML	Accuracy class
Carga mínima	0	%Ln	Minimum dead load
Carga de servicio 120	150	%Ln	Service load
Cargas límite	200	%Ln	Safe load limit
Error combinado	< ± 0.017	%Sn ⁽¹⁾	Total error
Error repetibilidad	< ± 0.015	%Sn	Repeatability error
Efecto de la temperatura: en el cero	< ± 0.01	%Sn/5°K	Temperature effect: on zero
en la sensibilidad	< ± 0.006	%Sn/5°K	on sensitivity
Error de fluencia (30 minutos)	< ± 0.016	%Sn	Creep error (30 minutes)
Compensación de temperatura	-10...+40	°C	Temperature compensation
Límites de temperatura	-20...+50	°C	Temperature limits
Sensibilidad nominal (Sn)	2	mV/V ⁽²⁾	Nominal sensitivity (Sn)
Tensión de alimentación nominal	10	V	Nominal input voltage
Tensión de alimentación máxima	15	V	Maximum input voltage
Resistencia de entrada	400 ± 20	Ω	Input impedance
Resistencia de salida	350 ± 3	Ω	Output impedance
Desequilibrio inicial	< ± 2	%Sn	No load output
Resistencia de aislamiento	> 5000	M Ω	Insulation resistance
Deformación máxima (a Ln)	0.2-0.4	mm	Maximum deflection (at Ln)
Peso transporte 461 300 ... 2000kg	0.9	kg	Transport weight 461 300 ... 2000kg
Peso transporte 461 3000...5000kg	2.2	kg	Transport weight 461 3000...5000kg
Peso transporte Acc. 46012	0.33	kg	Transport weight Acc. 46012
Peso transporte Acc. GU12i	0.42	kg	Transport weight Acc. GU12i
Peso transporte Acc. 46013	5	kg	Transport weight Acc. 46013
Peso transporte Acc. 46014	10	kg	Transport weight Acc. 46014
Peso transporte Acc. 46018	2.5	kg	Transport weight Acc. 46018
Peso transporte Acc. 46018	3.8	kg	Transport weight Acc. 46019
Peso transporte Acc. 46010	2	kg	Transport weight Acc. 46010
Peso transporte Acc. 46021	3.2	kg	Transport weight Acc. 46021
Peso transporte Acc. 46022	3.2	kg	Transport weight Acc. 46022
Peso transporte Acc. 46023	6.5	kg	Transport weight Acc. 46023
Peso transporte Acc. 46024	0.29	kg	Transport weight Acc. 46024
Peso transporte Acc. 46028i	1.3	kg	Transport weight Acc. 46028i
⁽¹⁾ Error combinado: No Linealidad e Histéresis / Total error: Non Linearity and Hysteresis			
⁽²⁾ Preajuste de esquinas optimizado al $\pm 0.05\%$ mediante la calibración de la corriente de salida / Pre-corner adjustment optimized at $\pm 0.05\%$ by output current calibration			

Modelo / Model: **461**

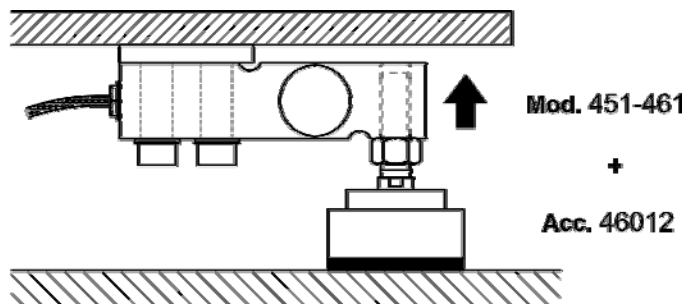
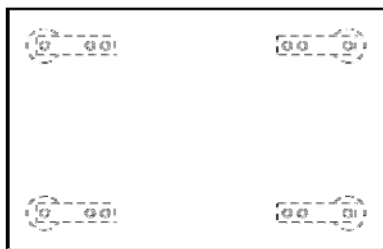
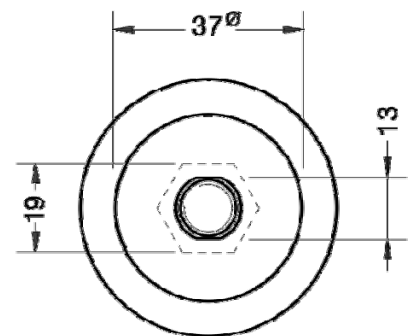
Acc. **46012** (300...2000 kg)

Accesorio pie autocentrante para mod. 451-461

Load foot accessory for models 451-461



- Materiales: acero inoxidable y goma natural
- Materials: stainless steel and rubber



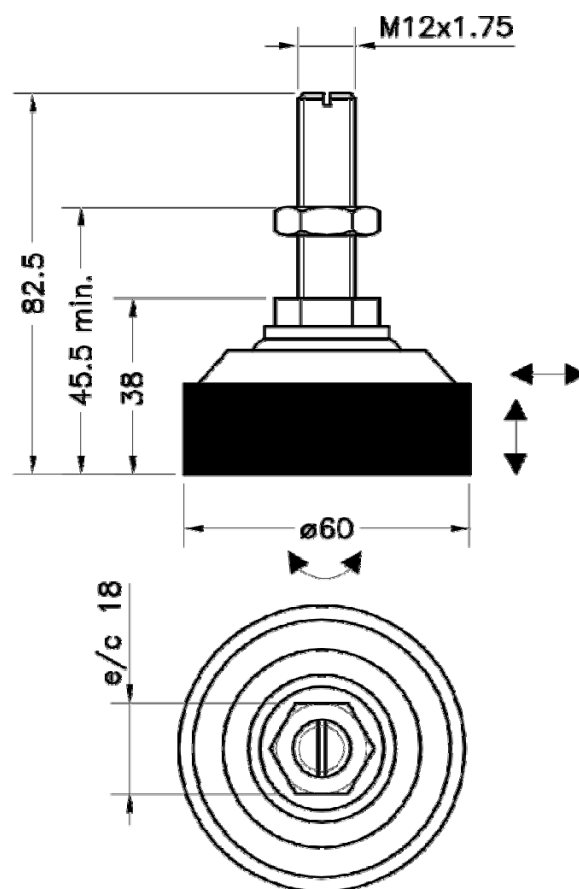
Dimensiones en mm. *Dimensions in mm.*

Modelo / Model: **461**

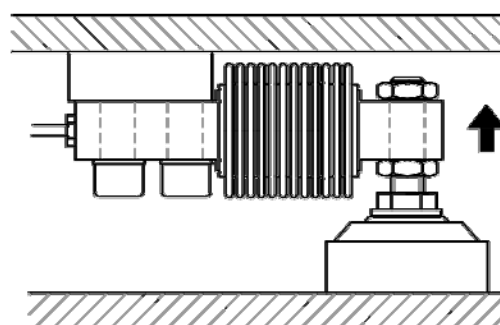
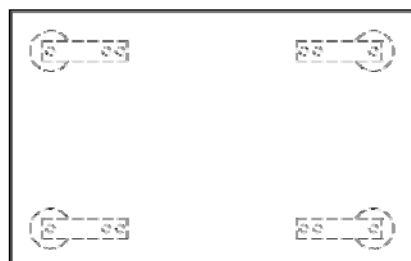
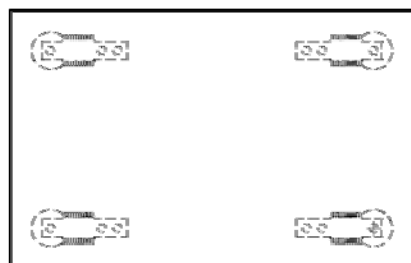
Acc. **GU12i**

Accesorio pie autocentrante para mod. 451-461

Load foot accessory for models 451-461



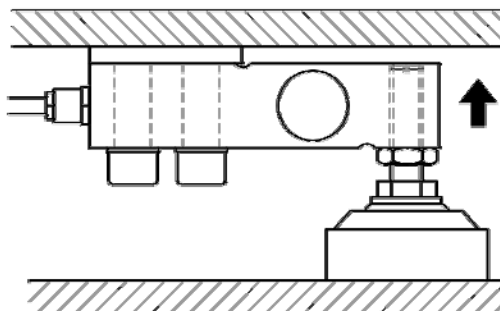
- Materiales: acero inoxidable y goma natural
- *Materials: stainless steel and rubber*



Mod. 451

+

Acc. Gu12i



Mod. 461
(300...2000 kg)

+

Acc. Gu12i

Dimensiones en mm. *Dimensions in mm.*

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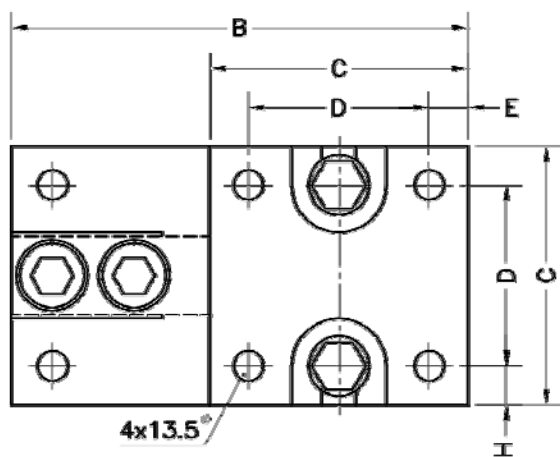
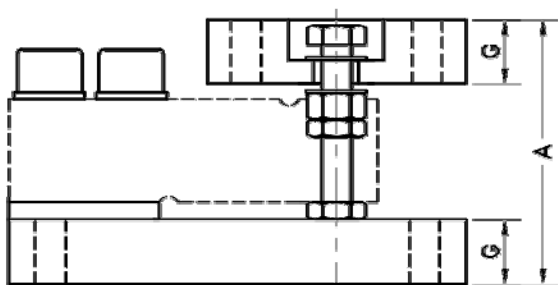
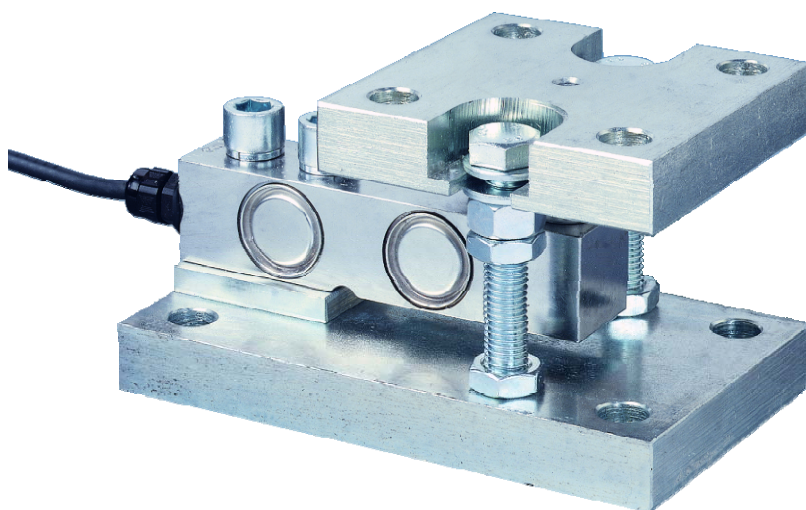
info@pesalia.com - www.pesalia.com

Modelo / Model: **461**

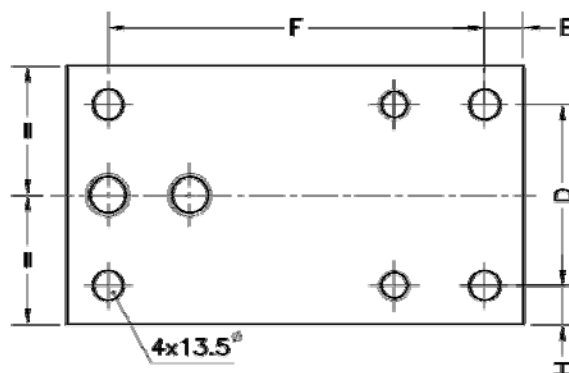
Acc. **46013 - 46014**

Soporte tanques con antivuelco para Mod. 461

Mounting-kit lift-off prevention for Mod. 461



Vista por abajo
Bottom view



Ref.	Carga nominal Nominal load	A	B	C	D	E	F	G	H
46013	0.3 ... 2 t	94	168	100	70	16	136	20	15
46014	3 ... 5 t	123	212	120	84	18	175	30	18

Material: Acero cincado / Steel alloy zinc-plated Acc. 46013-46014

Material: Acero inoxidable / Stainless steel Acc. 46013i-46014i

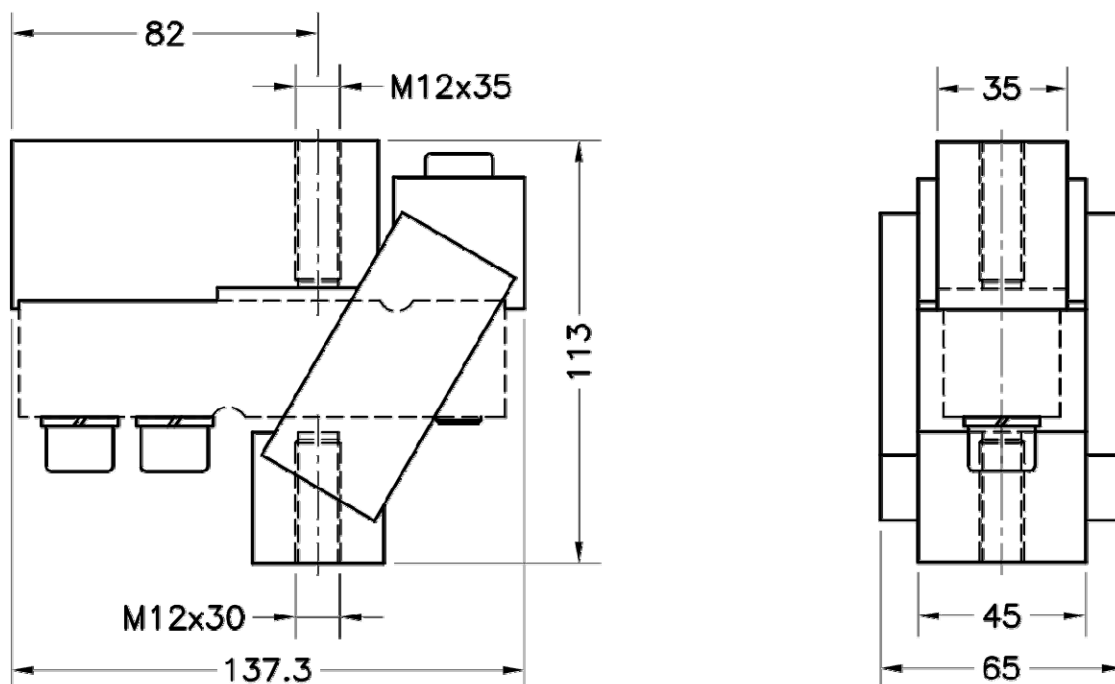
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Modelo / Model: **461**

Acc. **46018** (0.3...2t)- Accesorio traccion para Mod. 461 / *Tension accessory for Mod. 461*



Material / Material:

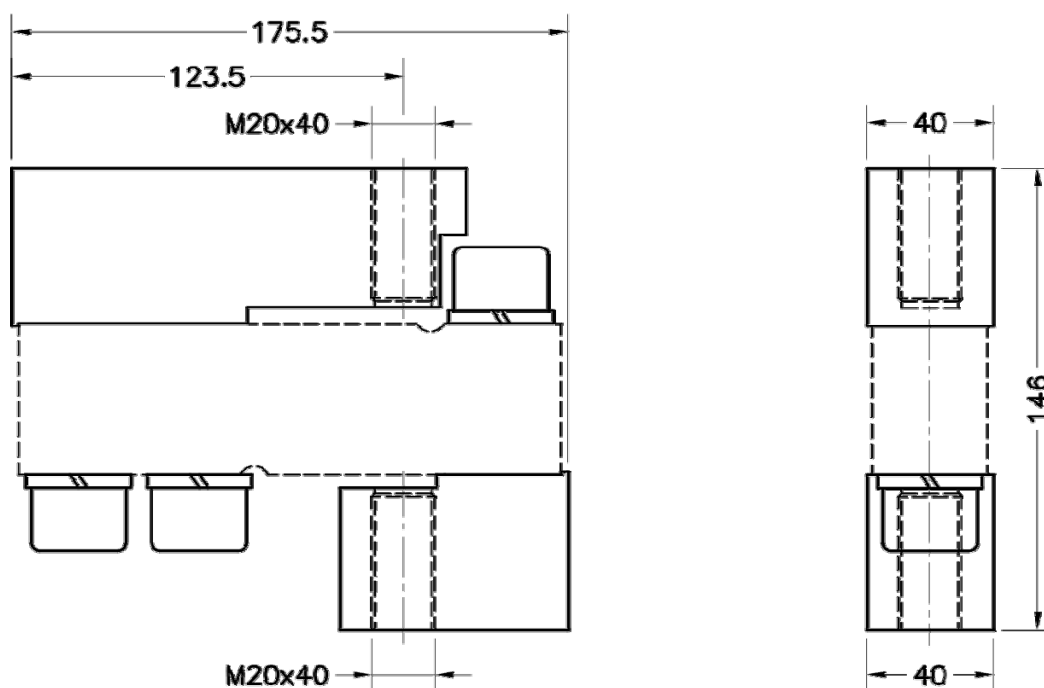
Acero cincado / Steel alloy zinc-plated

Carga limite / Ultimate load:

4 t

Dimensiones en mm. Dimensions in mm.

Acc. **46019** (3...5t) - Accesorio traccion para Mod. 461 / *Tension accessory for Mod. 461*



Material / Material:

Acero cincado / Steel alloy zinc-plated

Carga limite / Ultimate load:

10 t

Dimensiones en mm. Dimensions in mm.

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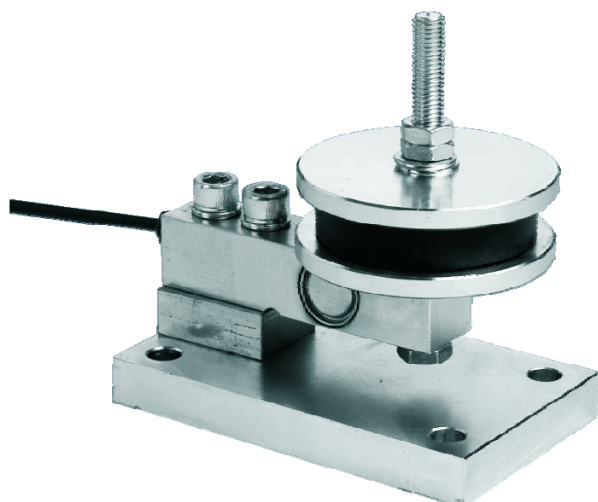
Modelo / Model: **461**

Acc. **46010/46021**

Kit tanques silent-block antivuelco para Mod. 461

Acc. **46022/46023**

Tank kit silent-block lift-off prevention for Mod. 461



Material:
Material:

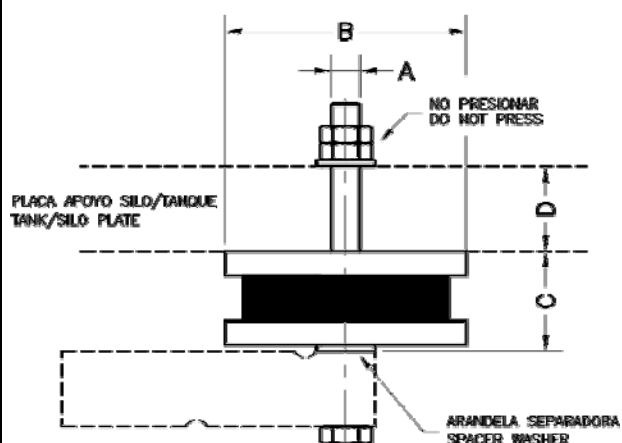
Acero cincado – goma
Steel alloy zinc-plated – rubber

Acc.
46010
46021
46022
46023

Acero inoxidable – goma
Stainless steel - rubber

Acc.
46010i
46021i
46022i
46023i

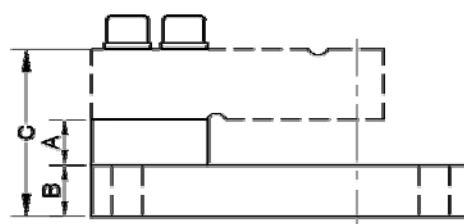
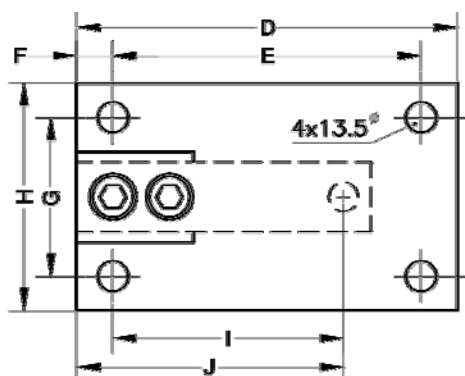
Acc. **46010-46021**: Con silent-block antivuelco / Silent-block with lift-off prevention



Ref.	Carga nominal Nominal load	A	BØ	C	D
46010	0.3 ... 2 t	M12	100	41	0...35
46021	3 ... 5 t	M20	150	44	10 ... 35

Dimensiones en mm. Dimensions in mm.

Acc. **46022-46023**: Placa base / Base plate



Ref.	Carga nominal Nominal load	A	B	C	D	E	F	G	H	I	J
46022	0.3 ... 2 t	20	20	71.5	168	136	16	70	100	101.6	117.6
46023	3 ... 5 t		30	98	212	175	19	84	120	133.3	152.3

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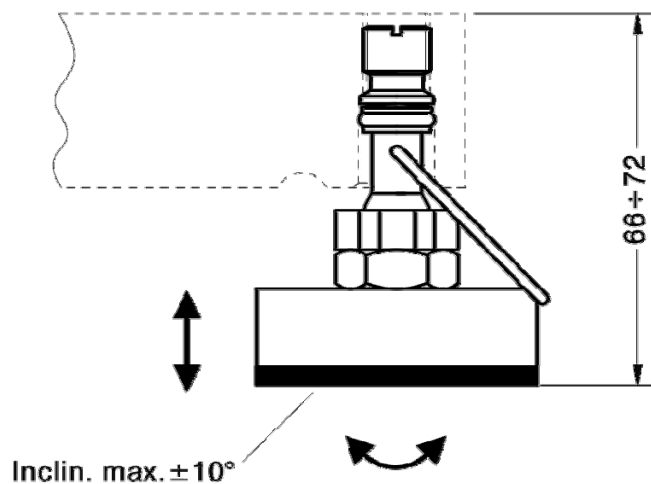
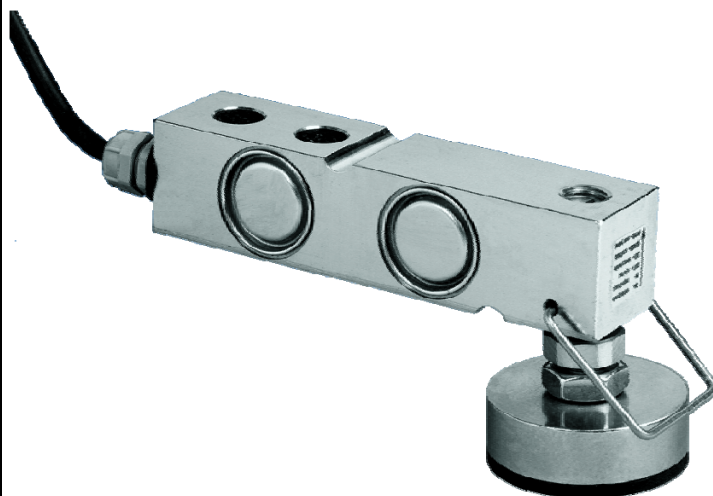
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Modelo / Model: **461**

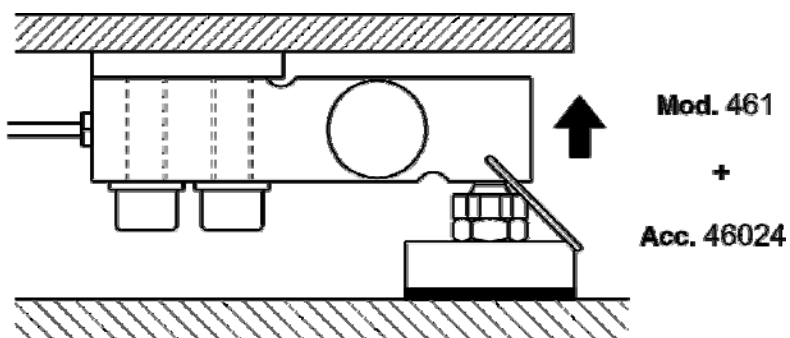
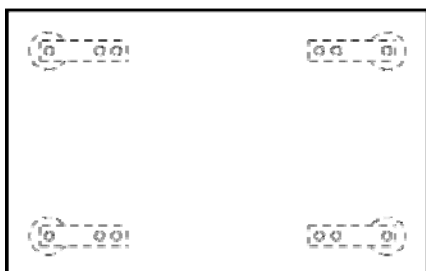
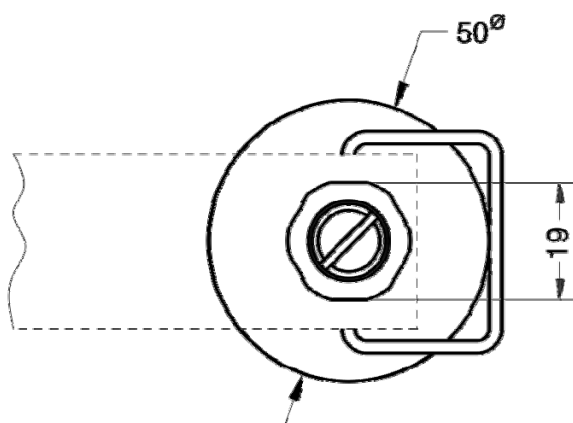
Acc. **46024** (300...2000 kg)

Accesorio pie autocentrante para Mod. 461

Load foot accessory for Mod. 461



Material:	Acero cincado - goma Steel alloy zinc-plated - rubber	Acc. 46024
Material:	Acero inoxidable - goma Stainless steel - rubber	Acc. 46024i



Dimensiones en mm. Dimensions in mm.

Modelo / Model: **461**

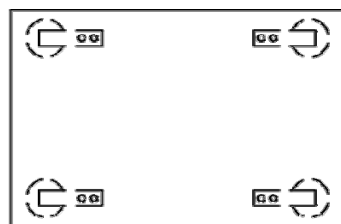
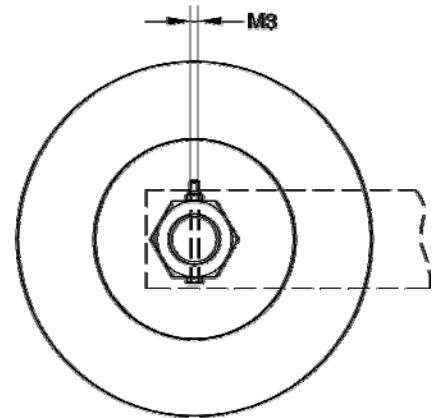
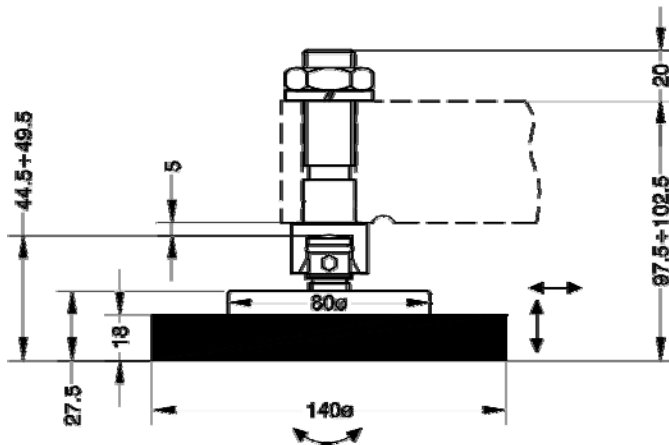
Acc. **46028i** (3 ... 5 t)

Accesorio pie autocentrante para Mod. 461

Load foot accessory for Mod. 461



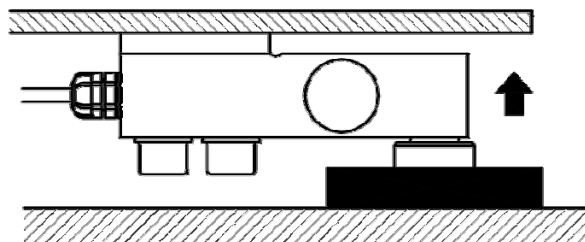
Material:	Acero inoxidable y goma
Material:	Stainless steel and rubber



Mod. 461

+

Acc. 46028i



Dimensiones en mm. Dimensions in mm.

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