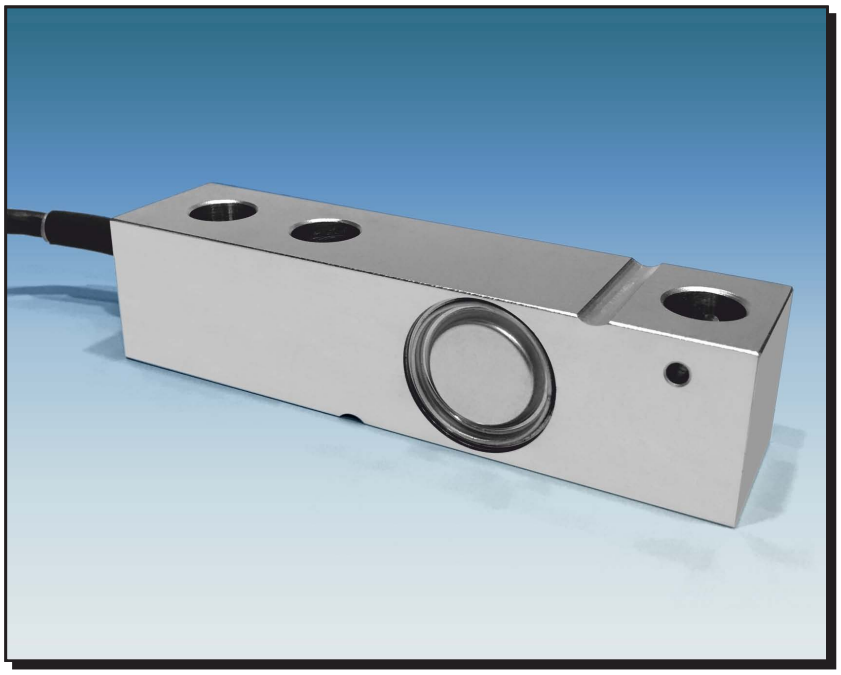
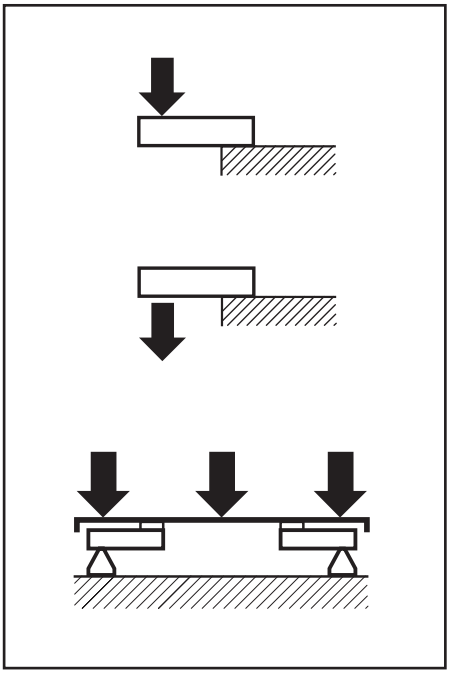
UTILCELL
CELULAS DE CARGA - LOAD CELLS

MODELO 350

300kg ... 5000kg





- Célula de carga de cizallamiento
- Versiones:
  - **350i** (300...5000kg): Totalmente en acero inox. Sellado hermético, completamente soldada, IP 68 (EN 60529) e IP 69K (ISO 20653)
  - **350a** (300...5000kg): Construcción en acero inox. Sellado silicona, IP 66 (EN 60529)
  - **350n** (300...2000kg): Construcción en acero niquelado. Sellado silicona, IP 66 (EN 60529)
- 3000 divisiones OIML R60 clase C
- Preajuste de esquinas optimizado para sistemas multicélulas
- Disponible en versión ***ATEX*** (opcional) Zona 0-1-2 (gas) y 20-21-22 (polvo)
- Aplicaciones industriales de alta precisión:
  - plataformas con 4 células
  - reactores, tanques y tolvas

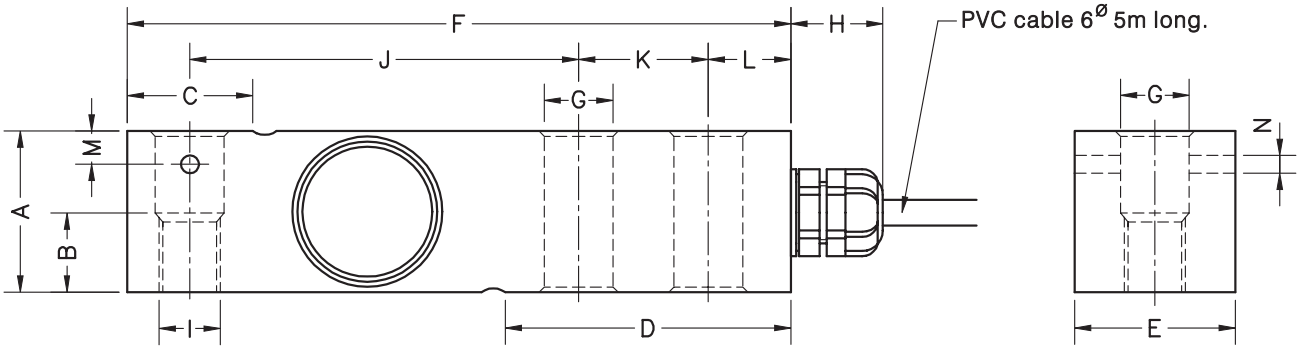
- Shear beam load cell
- Versions:
  - **350i** (300...5000kg): Fully Stainless Steel construction. Hermetically sealed, fully welded, IP 68 (EN 60529) and IP 69K (ISO 20653)
  - **350a** (300...5000kg): Stainless Steel construction. Silicone sealing, IP 66 (EN 60529)
  - **350n** (300...2000kg): Nickel-plated Alloy Steel. Silicone sealing, IP 66 (EN 60529)
- 3000 divisions OIML R60 class C
- Pre-corner adjustment optimized for multicell systems
- Available in ***ATEX*** version (optional) Zone 0-1-2 (gas) and 20-21-22 (dust)
- High accuracy on industrial applications:
  - four load cells platforms
  - tanks and hoppers weighing

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
350 300 kg	300 kg	3000	30 g	450 kg	600 kg
350 500 kg	500 kg	3000	50 g	750 kg	1000 kg
350 750 kg	750 kg	3000	75 g	1125 kg	1500 kg
350 1000 kg	1000 kg	3000	100 g	1500 kg	2000 kg
350 1500 kg	1500 kg	3000	150 g	2250 kg	3000 kg
350 2000 kg	2000 kg	3000	200 g	3000 kg	4000 kg
350 3000 kg	3000 kg	3000	300 g	4500 kg	6000 kg
350 5000 kg	5000 kg	3000	500 g	7500 kg	10000 kg

MODELO **350**

Mod. **350i/a** (300...5000kg)

Mod. **350n** (300...2000kg)



Carga nominal *Nominal load*	A	B	C	D	E	F	GØ	H	I	J	K	L	M	NØ	Peso transporte *Transport weight*
300-500-750-1000-1500-2000 kg	31.5	15	24.6	56	31.5	130	13.5	18	M12	76.2	25.4	15.8	6.5	3.5	0.9 kg
3000-5000 kg	48	-	37	76	41.5	171.5	20.5	18	-	95.2	38.1	19	-	-	2.2 kg

Dimensiones en mm. *Dimensions in mm.*

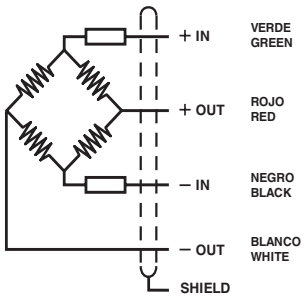
ESPECIFICACIONES			**SPECIFICATIONS**
Cargas nominales (Ln)	300-500-750-1000-1500-2000-3000-5000	kg	Nominal capacities (Ln)
Clase de precisión	3000	n. OIML	Accuracy class
Carga mínima Carga de servicio Cargas límite	0 150 200	%Ln %Ln %Ln	Minimum dead load Service load Safe load limit
Error combinado Error repetibilidad	< ±0.017 < ±0.015	%Sn (1) %Sn	Total error Repeatability error
Efecto de la temperatura: en el cero en la sensibilidad	 < ±0.01 < ±0.006	 %Sn/5 °C %Sn/5 °C	Temperature effect: on zero on sensitivity
Error de fluencia (30 minutos)	< ±0.016	%Sn	Creep error (30 minutes)
Compensación de temperatura Límites de temperatura	-10...+40 -30...+70	°C °C	Temperature compensation Temperature limits
Sensibilidad nominal (Sn) Tensión de alimentación nominal Tensión de alimentación máxima Resistencia de entrada Resistencia de salida Desequilibrio inicial Resistencia de aislamiento	2 10 15 400 ±20 350 ±3 < ±2 > 5000	mV/V (2) V V Ω Ω %Sn MΩ	Nominal sensitivity (Sn) Nominal input voltage Maximum input voltage Input impedance Output impedance No load output Insulation resistance
Deformación máxima (a Ln)	0.2-0.4	mm	Maximum deflection (at Ln)

(1) Error combinado: No Linealidad e Histéresis / Total error: Non Linearity and Hysteresis

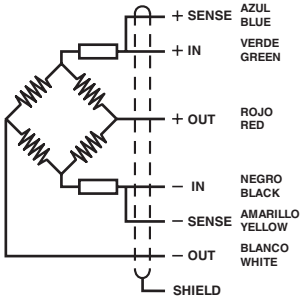
(2) Preajuste de esquinas optimizado al ±0.05% mediante la calibración de la corriente de salida / Pre-corner adjustment optimized at ±0.05% by output current calibration

CONEXIÓN ELÉCTRICA
ELECTRICAL CONNECTION:

MOD. 350a/350n



MOD. 350i

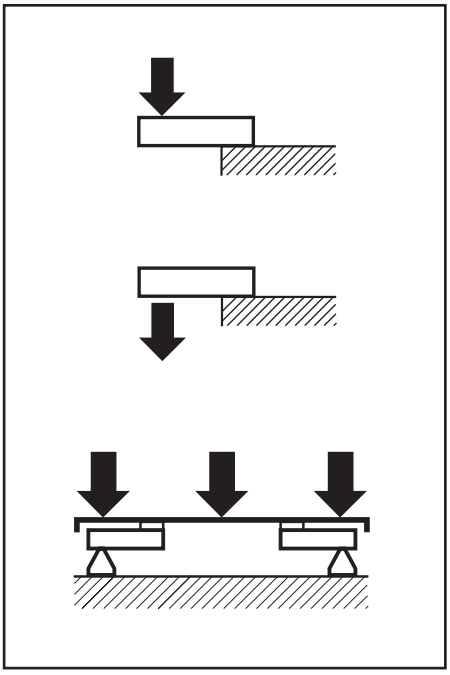


1726

UTILCELL
CELULAS DE CARGA - LOAD CELLS

MODELO 350

7500kg ... 10000kg

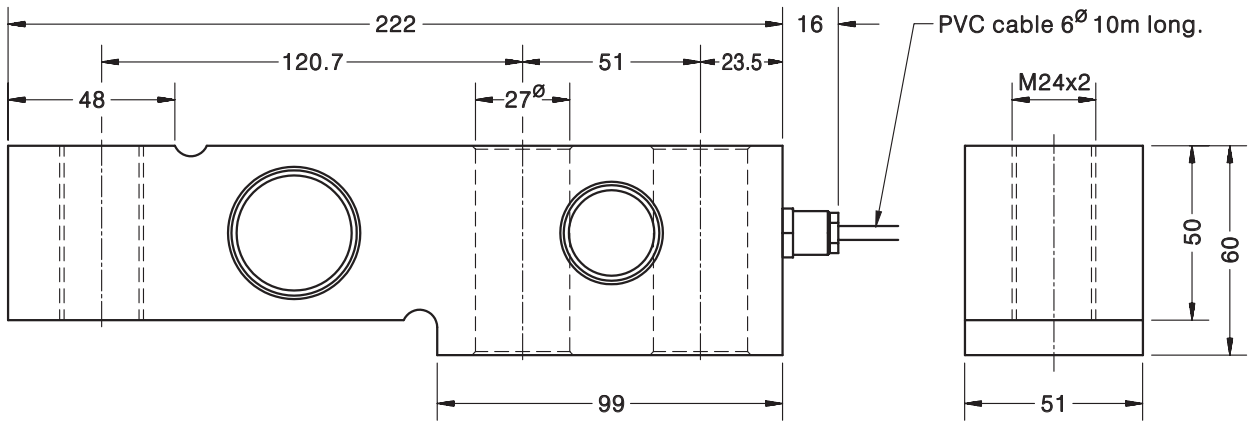


- Célula de carga de cizallamiento
- Totalmente en acero inoxidable
- Sellado hermético, completamente soldada
- Protección IP 68 (EN 60529) e IP 69K (ISO 20653)
- 3000 divisiones OIML R60 clase C
- Preajuste de esquinas optimizado para sistemas multicélulas
- Aplicaciones industriales de alta precisión:
  - plataformas con 4 células
  - reactores, tanques y tolvas
  - básculas puente para vehículos ligeros
  - pesaejes
  - pesaje "on-board"
- Disponible en versión ATEX (Ex) (opcional) Zona 0-1-2 (gas) y 20-21-22 (polvo)

- Shear beam load cell
- Fully Stainless Steel construction
- Hermetically sealed, fully welded
- Protected IP 68 (EN 60529) and IP 69K (ISO 20653)
- 3000 divisions OIML R60 class C
- Pre-corner adjustment optimized for multicell systems
- High accuracy on industrial applications:
  - four load cells platforms
  - tanks and hoppers weighing
  - light vehicle weighbridges
  - axle weighing
  - "on-board" weighing
- Available in ATEX (Ex) version (optional) Zone 0-1-2 (gas) and 20-21-22 (dust)

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
350 7500 kg	7500 kg	3000	0.75 kg	11250 kg	15000 kg
350 10000 kg	10000 kg	3000	1 kg	15000 kg	20000 kg

MODELO **350** (7500...10000kg)



Dimensiones en mm. *Dimensions in mm.*

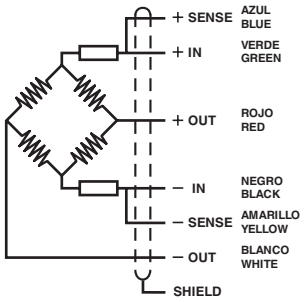
Peso transporte - *Transport weight:* 4.3 kg

ESPECIFICACIONES			SPECIFICATIONS
Cargas nominales (Ln)	7500-10000	kg	Nominal capacities (Ln)
Clase de precisión	3000	n. OIML	Accuracy class
Carga mínima Carga de servicio Cargas límite	0 150 200	%Ln %Ln %Ln	Minimum dead load Service load Safe load limit
Error combinado Error repetibilidad	< ±0.017 < ±0.015	%Sn (1) %Sn	Total error Repeatability error
Efecto de la temperatura: en el cero en la sensibilidad	 < ±0.01 < ±0.006	 %Sn/5 °C %Sn/5 °C	Temperature effect: on zero on sensitivity
Error de fluencia (30 minutos)	< ±0.016	%Sn	Creep error (30 minutes)
Compensación de temperatura Límites de temperatura	-10...+40 -30...+70	°C °C	Temperature compensation Temperature limits
Sensibilidad nominal (Sn) Tensión de alimentación nominal Tensión de alimentación máxima Resistencia de entrada Resistencia de salida Desequilibrio inicial Resistencia de aislamiento	2 10 15 400 ±20 350 ±3 < ±2 > 5000	mV/V (2) V V Ω Ω %Sn MΩ	Nominal sensitivity (Sn) Nominal input voltage Maximum input voltage Input impedance Output impedance No load output Insulation resistance
Deformación máxima (a Ln)	0.2-0.4	mm	Maximum deflection (at Ln)

(1) Error combinado: No Linealidad e Histéresis / Total error: Non Linearity and Hysteresis

(2) Preajuste de esquinas optimizado al ±0.05% mediante la calibración de la corriente de salida / Pre-corner adjustment optimized at ±0.05% by output current calibration

CONEXIÓN ELÉCTRICA
ELECTRICAL CONNECTION:

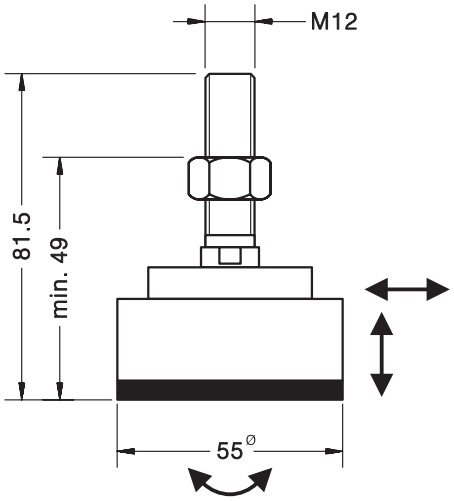


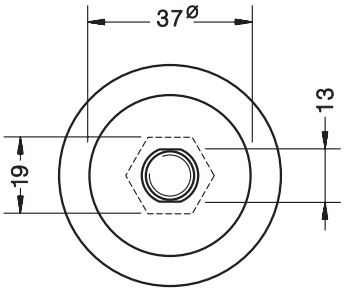
«SENSES»: 2 hilos adicionales, para mantener constante la alimentación en la célula, con una instrumentación adecuada. Utilizar especialmente para cables largos y amplio margen de temperatura.
PANTALLA: No conectada al cuerpo del transductor.

«SENSES»: 2 additional wires to maintain a constant voltage supply at the load cell when used with proper instrumentation. Use specially when long wires and wide temperature range.
SHIELD: Not connected to transducer body.

ACC. 35901

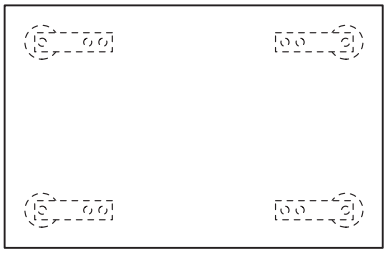
ACCESORIO PIE AUTOCENTRANTE PARA MOD. 340-350
LOAD FOOT ACCESSORY FOR MODELS 340-350

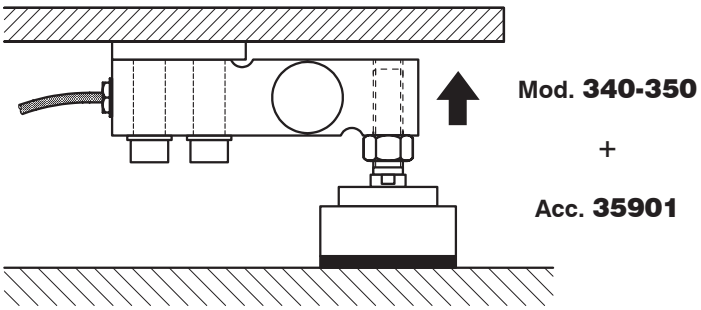




- **Materiales: acero inoxidable y goma natural**
- **Materials: Stainless Steel and Rubber**

Acc. 35901 para Mod. 350 (300...2000 kg) / For Mod. 350 (300...2000 kg)





Dimensiones en mm. *Dimensions in mm.*

Peso transporte - *Transport weight:* 0.33 kg

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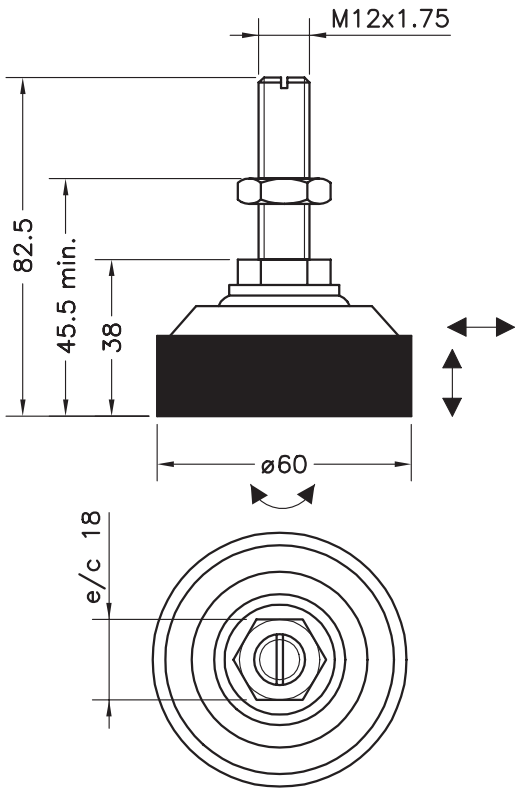
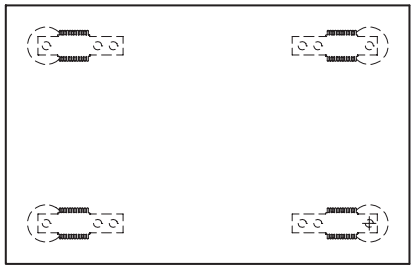
UTILCELL
CELULAS DE CARGA - LOAD CELLS

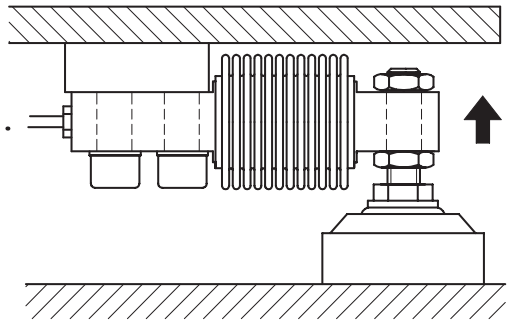
ACC. FT12i

ACCESORIO PIE AUTOCENTRANTE PARA MOD. 340-350
LOAD FOOT ACCESSORY FOR MODELS 340-350



- **Materiales: acero inoxidable y goma natural**
- **Materials: Stainless Steel and Rubber**

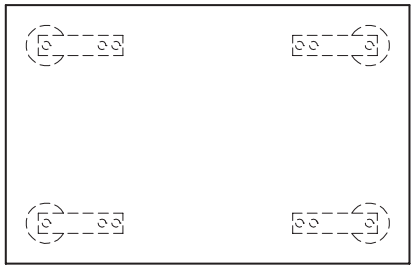


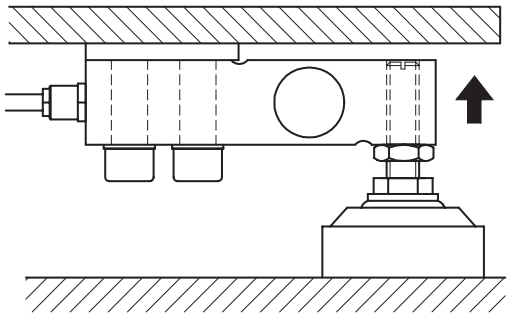


Mod. 340

+

Acc. FT12i





Mod. 350

(300...2000 kg)

+

Acc. FT12i

Dimensiones en mm. *Dimensions in mm.*

Peso transporte - *Transport weight:* 0.42 kg

1004

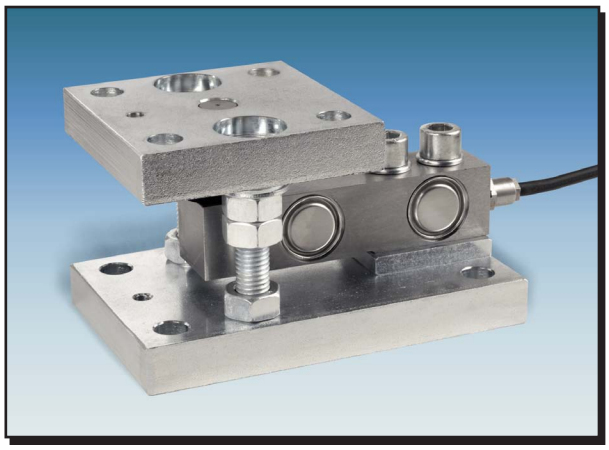
UTILCELL
CELULAS DE CARGA - LOAD CELLS

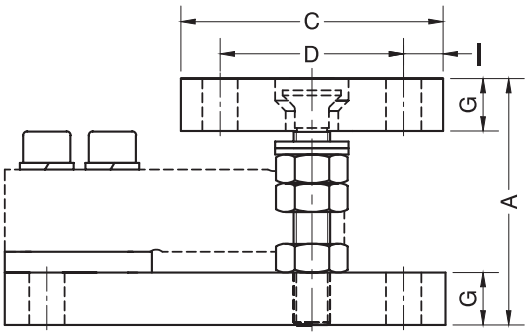
ACC. 35902
ACC. 35903

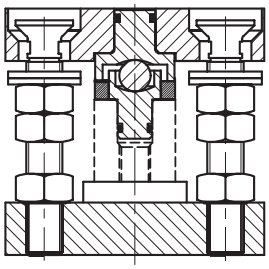
SOPORTE TANQUES CON ANTIVUELCO PARA MOD. 350
MOUNTING-KIT LIFT-OFF PREVENTION FOR MOD. 350

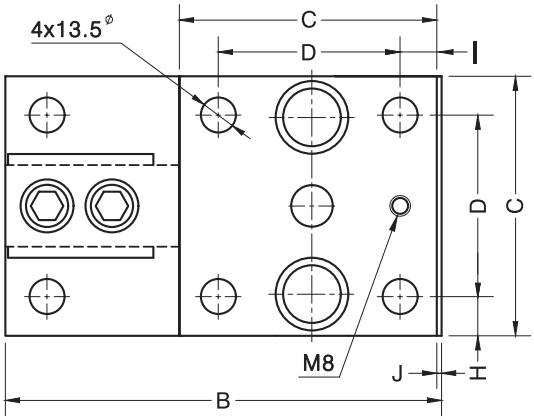
- **Material:**
  Acero cincado **Acc. 35902-35903**
  Acero inoxidable **Acc. 35902i-35903i**

- **Material:**
  Alloy Steel zinc-plated **Acc. 35902-35903**
  Stainless Steel **Acc. 35902i-35903i**

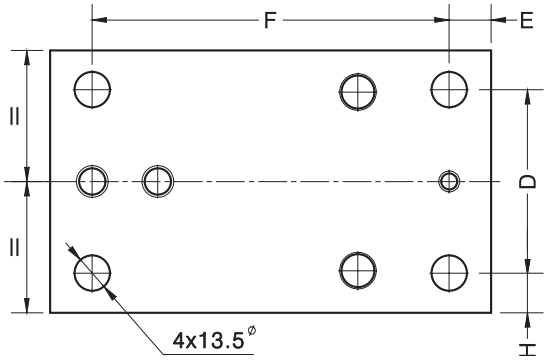








Vista por abajo / View from below



Accesorio Accessory	Carga nominal Nominal load	A	B	C	D	E	F	G	H	I	J	Peso transporte Transport weight
35902	0.3...2 t	94	168	100	70	16	136	20	15	15	1	5 kg
35903	3...5 t	113	212	120	84	18	175	25	18	18	-	8.5 kg

	Acero cincado / *Alloy Steel zinc-plated*		Acero inoxidable / *Stainless Steel*	
	35902	**35903**	**35902i**	**35903i**
Máximo desplazamiento horizontal *Maximum horizontal offset*	±2.5 mm	±2 mm	±2.5 mm	±2 mm
Máxima fuerza de levantamiento *Maximum lift-off force*	69 kN	113.04 kN	69 kN	113.04 kN
Máxima fuerza horizontal *Maximum horizontal force*	7.93 kN	11.8 kN	5 kN	11.8 kN

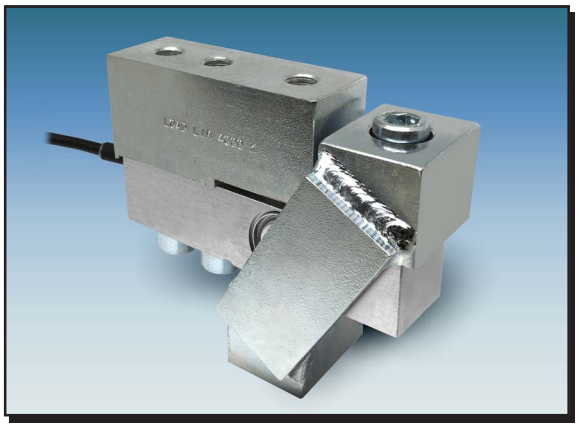
Dimensiones en mm. *Dimensions in mm.*

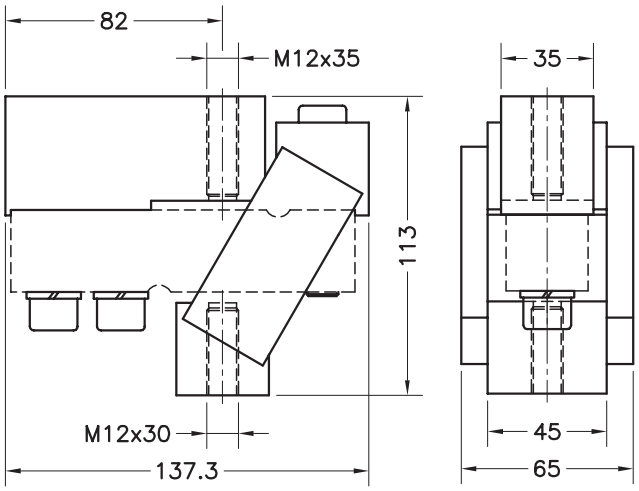
UTILCELL
CELULAS DE CARGA - LOAD CELLS

ACC. 35907
ACC. 35908

ACCESORIO TRACCION PARA MODELO 350
TENSION ACCESSORY FOR MODEL 350

Acc. **35907** (0.3...2t)



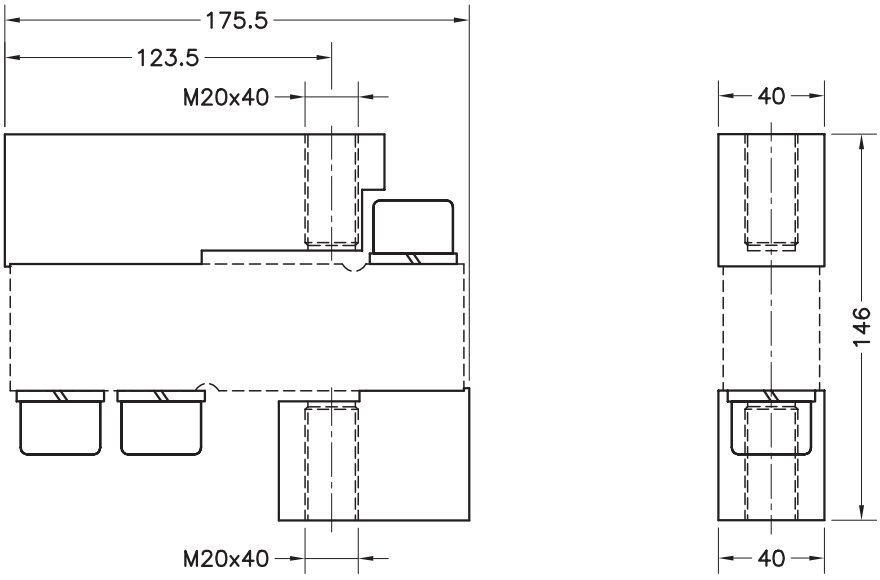


- **Material: Acero cincado / Material: Alloy Steel zinc-plated**
- **Carga límite: 4000 kg / Ultimate load: 4000 kg**

Dimensiones en mm. *Dimensions in mm.*

Peso transporte - *Transport weight:* 2.5 kg

Acc. **35908** (3...5t)



- **Material: Acero cincado / Material: Alloy Steel zinc-plated**
- **Carga límite: 10000 kg / Ultimate load: 10000 kg**

Dimensiones en mm. *Dimensions in mm.*

Peso transporte - *Transport weight:* 3.8 kg

1847

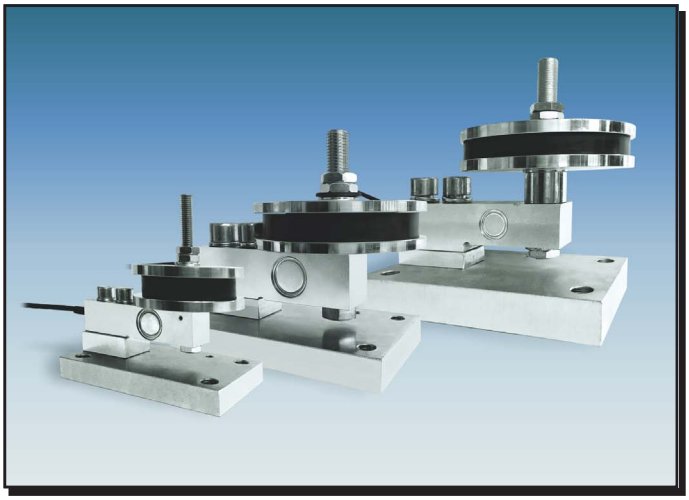
UTILCELL
CELULAS DE CARGA - LOAD CELLS

ACC. 35909/35911 35910/35912 35918/35919

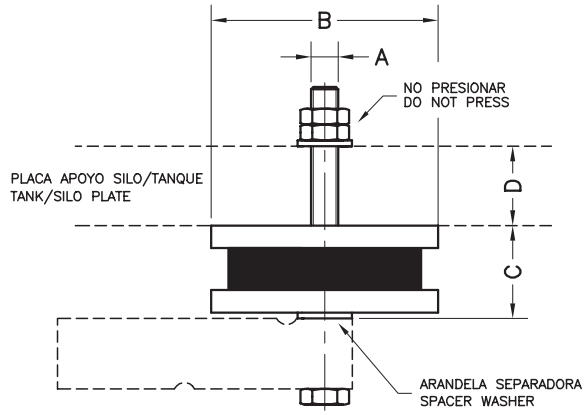
KIT TANQUES SILENT-BLOCK ANTIVUELCO PARA MOD. 350
TANK KIT SILENT-BLOCK LIFT-OFF PREVENTION FOR MOD. 350

- **Material:** Acero cincado - goma Acc. **359xx**
  Acero inox. - goma Acc. **359xxi**

- **Material:** Alloy Steel zinc-plated - Rubber
  Acc. **359xx**
  Stainless Steel - Rubber
  Acc. **359xxi**

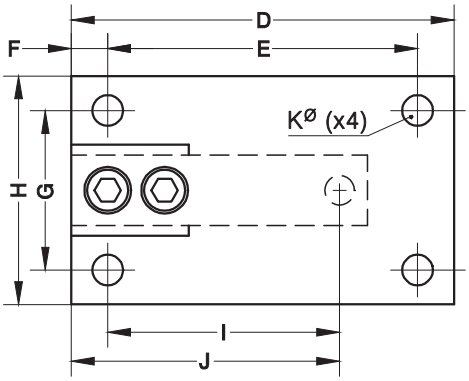


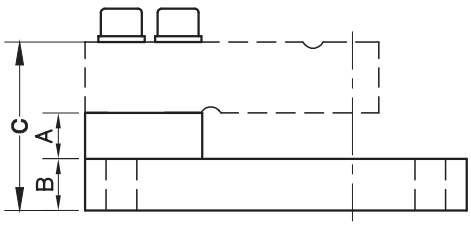
Acc. **35909-35910-35918**: Con silent-block antivuelco / Silent-block with lift-off prevention



Accesorio Accessory	Carga Nominal Load	A	Bø	C	D	Peso Transport Weight
35909	0.3...2 t	M12	100	41	0...35	2 kg
35910	3...5 t	M20	150	44	10...35	3.2 kg
35918	7.5...10 t	M24	200	84	0...50	7.8 kg

Acc. **35911-35912-35919**: Placa base / Base plate





Accesorio Accessory	Carga Nominal Load	A	B	C	D	E	F	G	H	I	J	Kø	Peso Transport Weight
35911	0.3...2 t	20	20	71.5	168	136	16	70	100	101.6	117.6	13.5	3.2 kg
35912	3...5 t	20	25	93	212	175	19	84	120	133.3	152.3	13.5	5.8 kg
35919	7.5...10 t	20	40	120	285	235	25.5	127	180	171.7	197.2	21	17.5 kg

Dimensiones en mm. *Dimensions in mm.*

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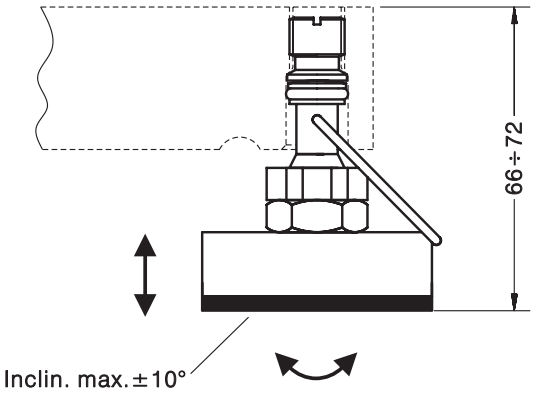
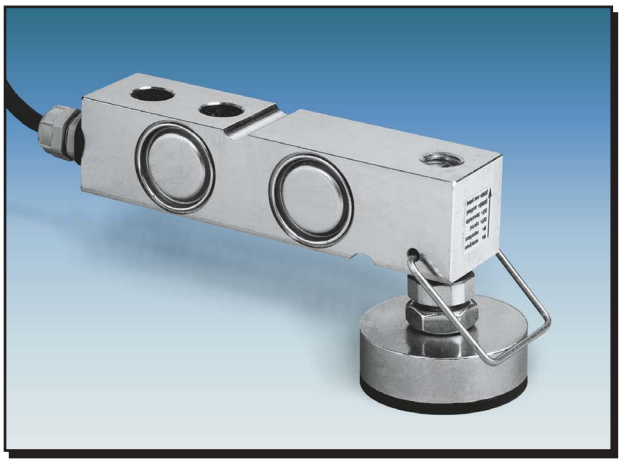
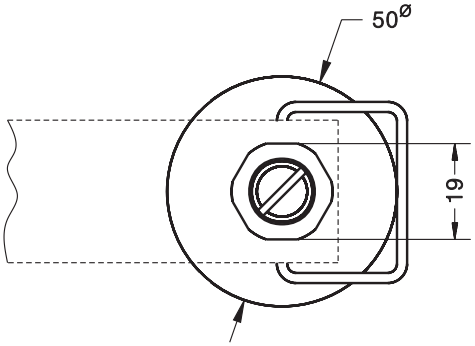
UTILCELL
CELULAS DE CARGA - LOAD CELLS

ACC. 35913

ACCESORIO PIE AUTOCENTRANTE PARA MOD. 350
LOAD FOOT ACCESSORY FOR MODELS 350



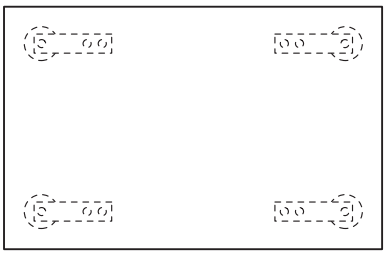


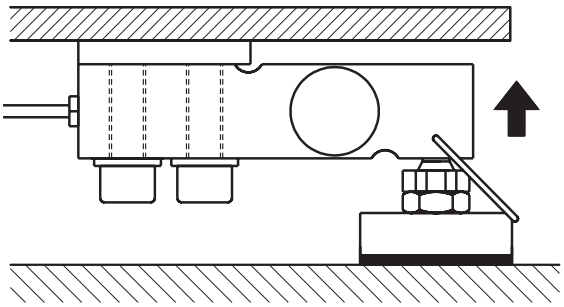


- **Materiales:** Acero cincado y goma natural
  Acc. 35913
  Acero inox. y goma natural
  Acc. 35913i

- **Materials:** Alloy Steel zinc-plated and Rubber
  Acc. 35913
  Stainless Steel and Rubber
  Acc. 35913i

Acc. 35913 para Mod. 350 (300...2000 kg) / For Mod. 350 (300...2000 kg)



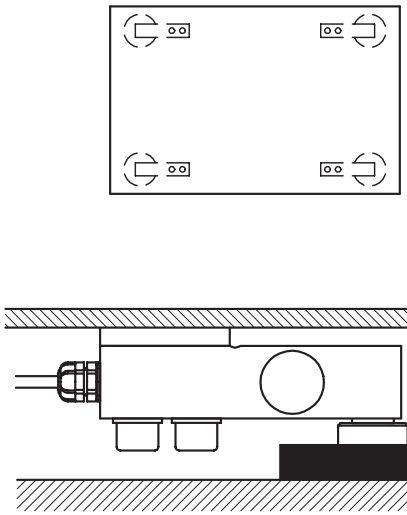


Dimensiones en mm. *Dimensions in mm.*

Peso transporte - *Transport weight:* 0.29 kg

0742

ACCESORIO PIE AUTOCENTRANTE PARA MOD. 350
LOAD FOOT ACCESSORY FOR MODEL 350



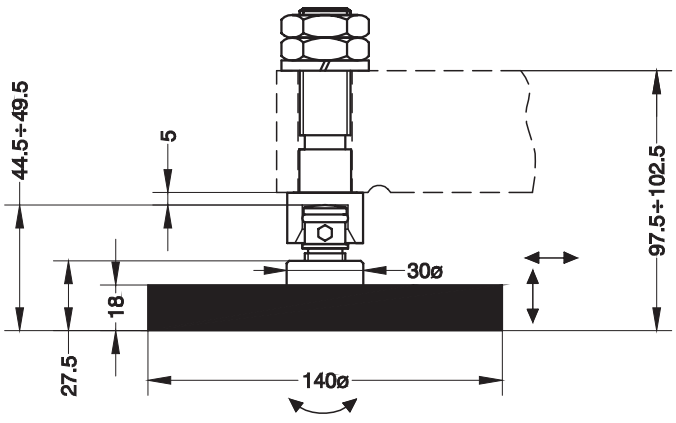
Mod. **350**

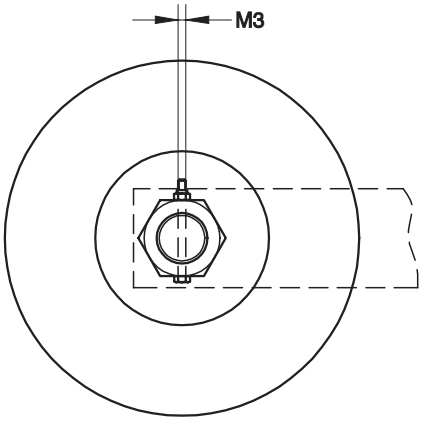
+

Acc. **35917i**

- **Materiales: acero inoxidable y goma**
- **Materials: Stainless Steel and Rubber**

Acc. 35917i para Mod. 350 (3 - 5 t) / For Model 350 (3 - 5 t)





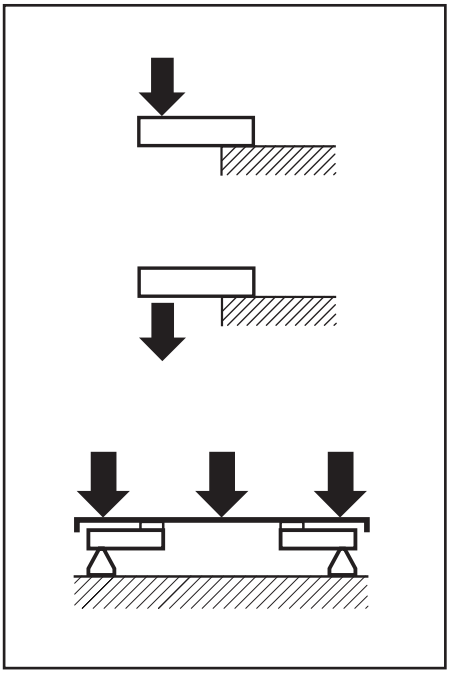
Dimensiones en mm. *Dimensions in mm.*

Peso transporte - *Transport weight:* 1.3 kg

UTILCELL
CELULAS DE CARGA - LOAD CELLS

MODELO 350 T

300kg ... 2000kg

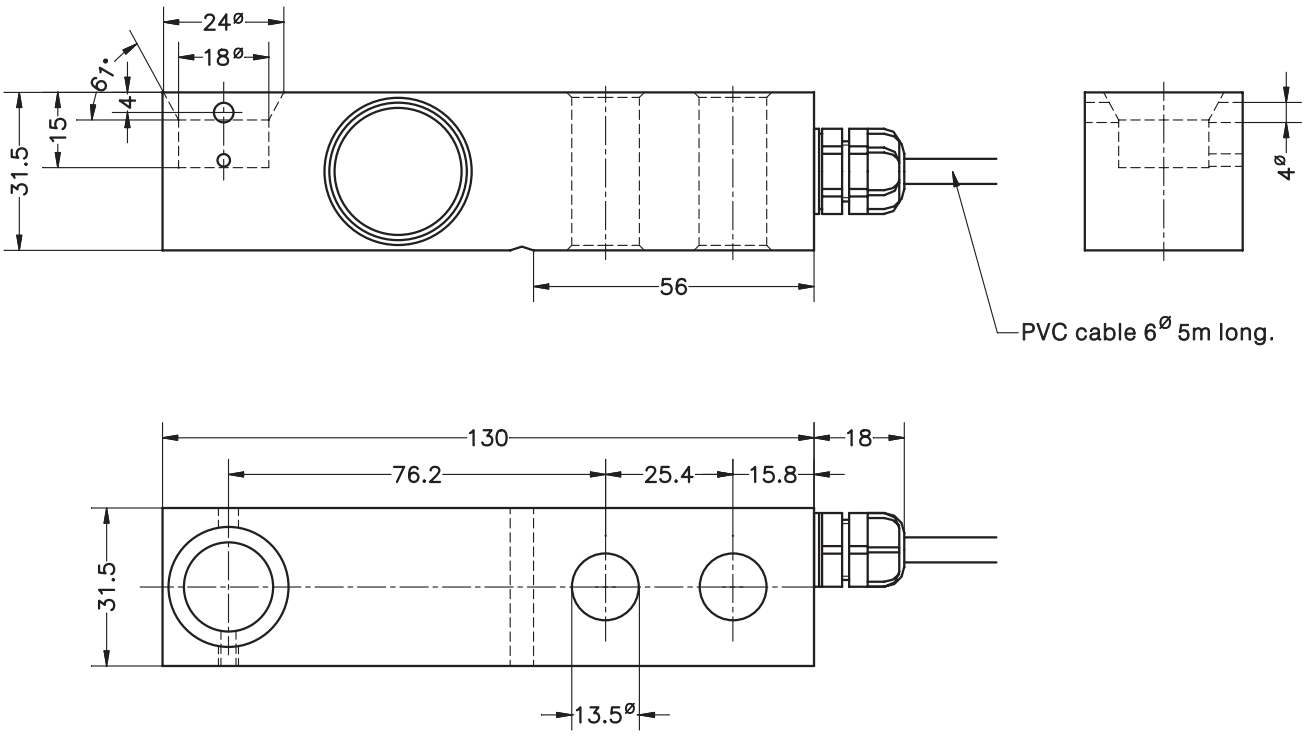


- Célula de carga de cizallamiento
- Opción T para modelo 350 con taladro de carga ciego
- Versiones:
  - **350 Ti**: Totalmente en acero inox. Sellado hermético, completamente soldada, IP 68 (EN 60529) e IP 69K (ISO 20653)
  - **350 Ta**: Construcción en acero inox. Sellado silicona, IP 66 (EN 60529)
- 3000 divisiones OIML R60 clase C
- Preajuste de esquinas optimizado para sistemas multicélulas
- Disponible en versión ***ATEX*** (opcional) Zona 0-1-2 (gas) y 20-21-22 (polvo)
- Aplicaciones industriales de alta precisión especialmente para plataformas con 4 células

- Shear beam load cell
- Option T for model 350 with blind loading hole
- Versions:
  - **350 Ti**: Fully Stainless Steel construction. Hermetically sealed, fully welded, IP 68 (EN 60529) and IP 69K (ISO 20653)
  - **350 Ta**: Stainless Steel construction. Silicone sealing, IP 66 (EN 60529)
- 3000 divisions OIML R60 class C
- Pre-corner adjustment optimized for multicell systems
- Available in ***ATEX*** version (optional) Zone 0-1-2 (gas) and 20-21-22 (dust)
- High accuracy on industrial applications specially for four load cells platforms

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
350 300 kg	300 kg	3000	30 g	450 kg	600 kg
350 500 kg	500 kg	3000	50 g	750 kg	1000 kg
350 750 kg	750 kg	3000	75 g	1125 kg	1500 kg
350 1000 kg	1000 kg	3000	100 g	1500 kg	2000 kg
350 1500 kg	1500 kg	3000	150 g	2250 kg	3000 kg
350 2000 kg	2000 kg	3000	200 g	3000 kg	4000 kg

MODELO **350 T** (300...2000 kg)



Dimensiones en mm. *Dimensions in mm.*

Peso transporte - *Transport weight:* 0.9 kg

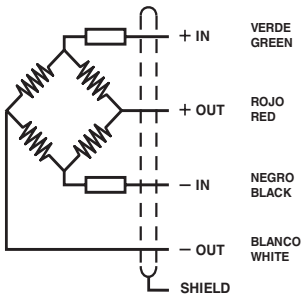
ESPECIFICACIONES			**SPECIFICATIONS**
Cargas nominales (Ln)	300-500-750-1000-1500-2000	kg	Nominal capacities (Ln)
Clase de precisión	3000	n. OIML	Accuracy class
Carga mínima Carga de servicio Cargas límite	0 150 200	%Ln %Ln %Ln	Minimum dead load Service load Safe load limit
Error combinado Error repetibilidad	< ±0.017 < ±0.015	%Sn (1) %Sn	Total error Repeatability error
Efecto de la temperatura: en el cero en la sensibilidad	 < ±0.01 < ±0.006	 %Sn/5 °C %Sn/5 °C	Temperature effect: on zero on sensitivity
Error de fluencia (30 minutos)	< ±0.016	%Sn	Creep error (30 minutes)
Compensación de temperatura Límites de temperatura	-10...+40 -30...+70	°C °C	Temperature compensation Temperature limits
Sensibilidad nominal (Sn) Tensión de alimentación nominal Tensión de alimentación máxima Resistencia de entrada Resistencia de salida Desequilibrio inicial Resistencia de aislamiento	2 10 15 400 ±20 350 ±3 < ±2 > 5000	mV/V (2) V V Ω Ω %Sn MΩ	Nominal sensitivity (Sn) Nominal input voltage Maximum input voltage Input impedance Output impedance No load output Insulation resistance
Deformación máxima (a Ln)	0.2-0.4	mm	Maximum deflection (at Ln)

(1) Error combinado: No Linealidad e Histéresis / Total error: Non Linearity and Hysteresis

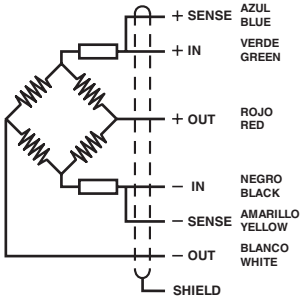
(2) Preajuste de esquinas optimizado al ±0.05% mediante la calibración de la corriente de salida / Pre-corner adjustment optimized at ±0.05% by output current calibration

CONEXIÓN ELÉCTRICA
ELECTRICAL CONNECTION:

MOD. 350 Ta



MOD. 350 Ti



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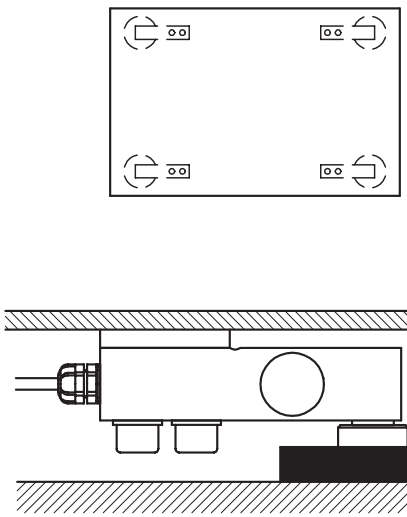
ACCESORIO PIE AUTOCENTRANTE PARA MOD. 350 T
LOAD FOOT ACCESSORY FOR MODEL 350 T



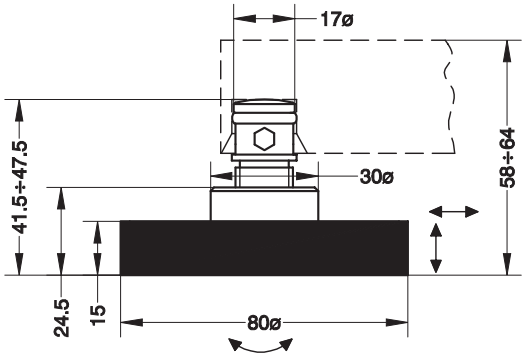
Mod. **350**

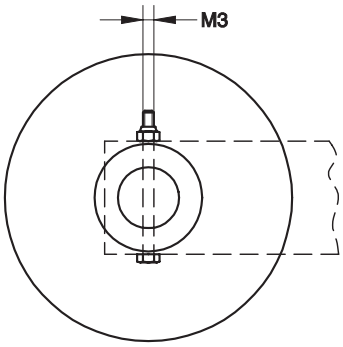
+

Acc. **35916i**

- **Materiales: acero inoxidable y goma**
- **Materials: Stainless Steel and Rubber**

Acc. 35916i para Mod. 350 opción T (300...2000 kg) / For Model 350 option T (300...2000 kg)





Dimensiones en mm. *Dimensions in mm.*

Peso transporte - *Transport weight:* 0.3 kg