

## General information

PWS27820241017

The compression load cell PS24 is made of stainless steel and hermetically sealed. The compression load cell PS24 is easy to install and may be used in several weighing systems, such as tank and silage weighing systems with low profile requirements. As all compression load cells, PS24 is suitable for fixed and perpendicular loads. Moreover, the load cell PS24 is also available in ATEX version.



## Suggested related products

A highly performing weighing system must be accurate, perfectly calibrated and well maintained. In order to improve the load cell performance and to optimize its functioning, you may need the following products:

**Mounting kits** [MKX](#) ®

**Mounting kits** [MH MOUNTING KIT](#)

**Tester 1008** [TESTER 1008](#)

**Shear beam load cells** [65023](#)

**Compression load cell** [CC3](#)

**Shear beam load cells** [SBR](#)

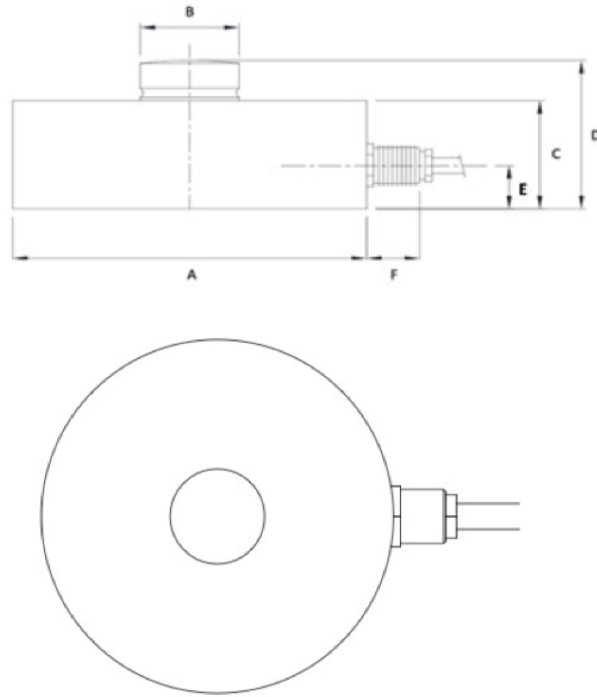
All indicated data may be changed without notice.  
All the measures indicated are expressed in millimeters (mm).

## Technical specifications

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<b>Rated Load (RL):</b>	100 kg - 10 t, 15 t, 35 t, 50 t, 100 t
<b>Combined error:</b>	< $\pm 0.05$ % RO
<b>Repeatability:</b>	< $\pm 0,015$ % RO
<b>Creep (30 minutes):</b>	$\pm 0.048$ % RO
<b>Service load:</b>	150 % RL
<b>Ultimate overload:</b>	250 % RL
<b>Minimum Load:</b>	0 % RL
<b>Material:</b>	Stainless steel
<b>Degree of protection:</b>	IP68
<b>Accuracy class:</b>	1000 OIML
<b>Deflection:</b>	< 0.6 mm
<b>Compensated Temperature:</b>	-10 ÷ +40 °C
<b>Temperature range:</b>	-50 ÷ +70°C
<b>Temperature effect on zero balance:</b>	< $\pm 0.01$ % RO / 5°C
<b>Temperature effect on output:</b>	< $\pm 0.018$ % RO/5°C
<b>Rated output RO:</b>	2 mV/V $\pm 0,1$ %
<b>Zero balance:</b>	$\pm 2$ % RO
<b>Insulation resistance:</b>	> 5000 MOhm
<b>Input impedance:</b>	800 $\pm 30$ Ohm
<b>Maximum input voltage:</b>	15 V
<b>Nominal input voltage:</b>	10 V
<b>No load output:</b>	$\pm 2$ % RO
<b>Output impedance:</b>	705 $\pm 5$ Ohm

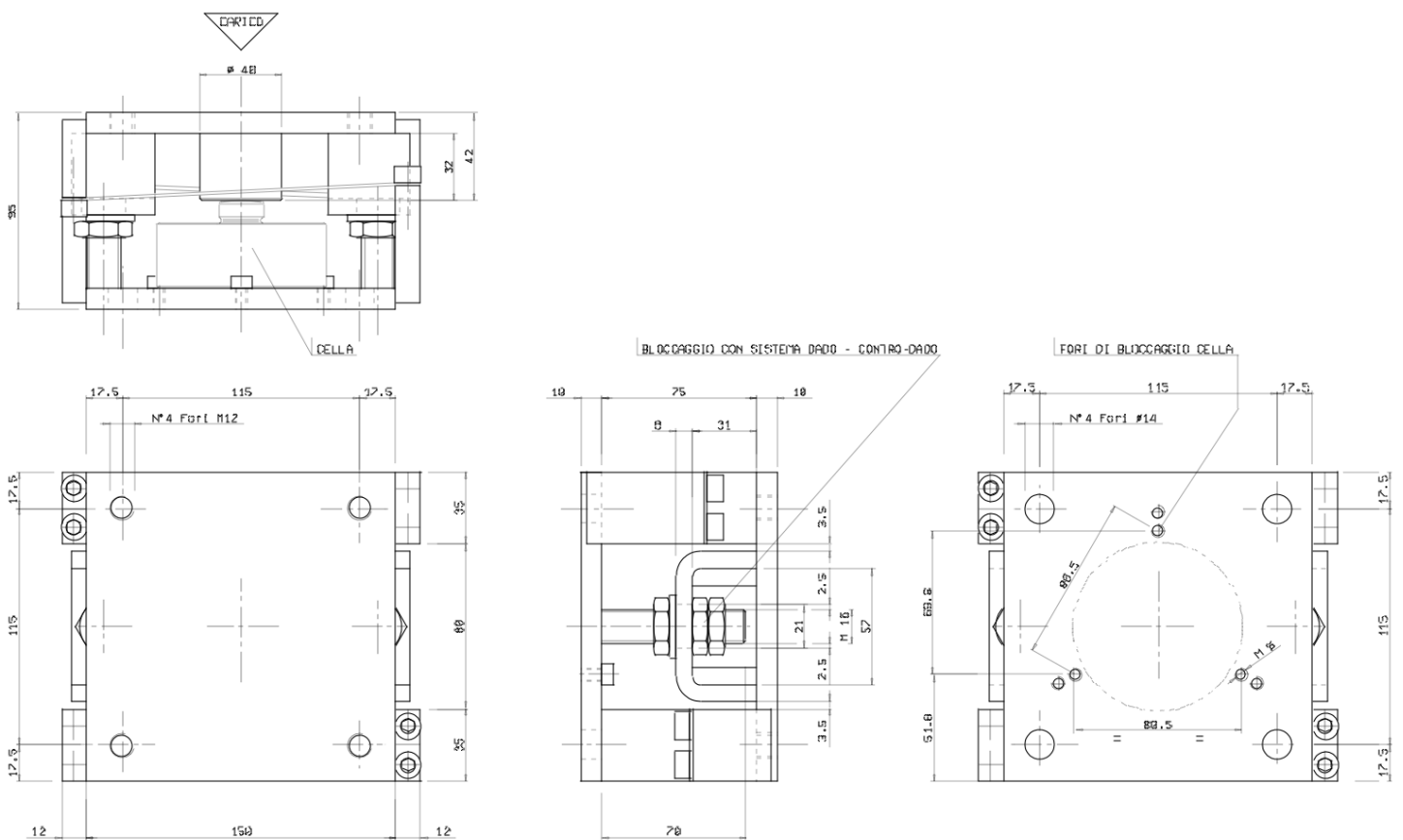
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CAPACITY	100 kg - 10 t	15 t	35 t	50 t	100 t
A	diam 82	diam 100	diam 126	diam 164	diam 164
B	diam 22	diam 28	diam 35	diam 60	diam 60
C	32	35	40	60	60
D	44	48	54	80	80
E	15	15	15	15	15
F	14	14	14	26	26

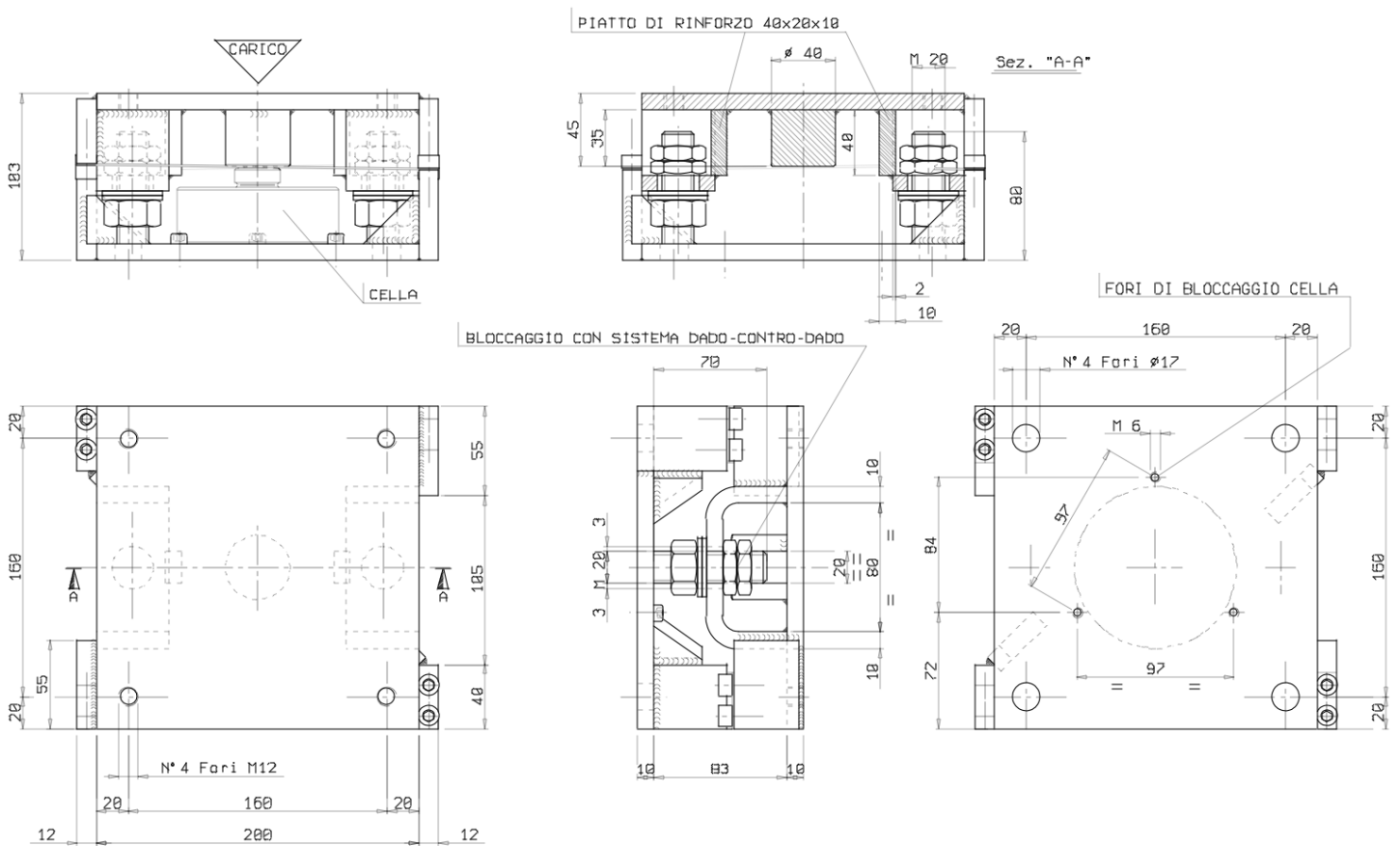
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## Mounting kit with load capacity up to 10 tons



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## Mounting kit with load capacity of 15 tons



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