

## SPSZ

### SPSZ SERIES SINGLE POINT STAINLESS STEEL LOAD CELLS



Stainless steel load cells for off center loads, suitable for example to build CE-M approved scales with a single load cell with maximum dimensions of 800x800 mm.

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**CAPACITIES (kg):** 500, 1000.

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**OIML R60. C3** precision class.

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**17-4 PH** stainless steel. **IP68 / IP69K** protection.

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#### Working in cooperation with:

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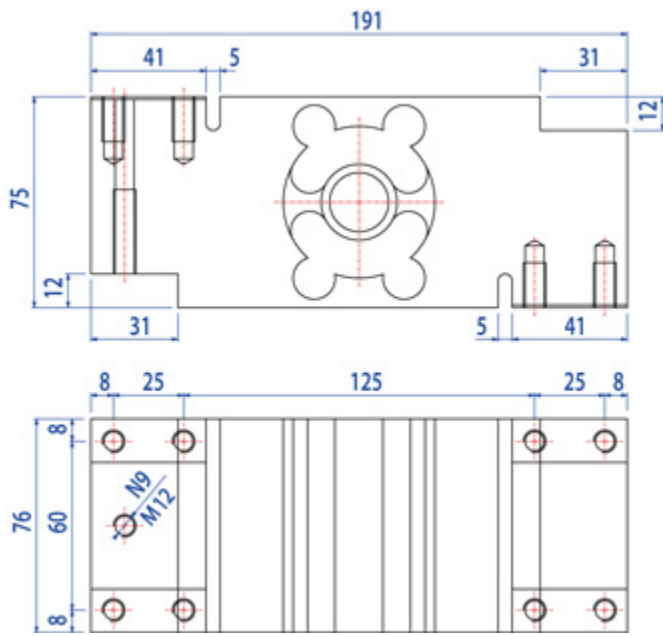
## MAIN FEATURES

- C3 PRECISION CLASS
- OFF CENTER LOAD COMPENSATED
- MADE IN 17-4 PH STAINLESS STEEL
- IP68 PROTECTION
- MAX. CAPACITIES FROM 500 TO 1000 kg
- FOR PLATFORMS WITH DIMENSIONS UP TO 800 X 800 mm
- SHIELDED CONNECTION CABLE
- TEST CERTIFICATE AVAILABLE UPON REQUEST

## TECHNICAL FEATURES

- Minimum load cell verification interval:  
 $V_{min} = E_{Max} / 7.500-12.500$
- Maximum number of verification intervals:  $n_{LC} = 3000$
- Full Scale Output: 2mV/V +/- 10%
- Temperature effect on zero:  
from  $\pm 0,0112\%$  F.S./10K to  $\pm 0,0186\%$  F.S./10K
- Temperature effect on full scale output:  
 $\pm 0,0117\%$  F.S./10K (-10°C/+20°C)  
 $\pm 0,0170\%$  F.S./10K (+20°C/+40°C)
- Compensated Temperature Range: -10°C/+40°C
- Operating Temperature Range: -10°C/+50°C
- Creep at nominal load in 30 minutes:  $\pm 0,01\%$  F.S.
- Maximum tolerated excitation voltage: 15 VDC
- Input Resistance:  $380 \pm 15$  Ohm
- Output Resistance: 300...500 Ohm
- Insulation Resistance (100V) >2000 MOhm
- Safe Overload: 150 % F.S.
- Ultimate Overload: 300% F.S.
- Nominal displacement: < 0.5 mm
- 6-wire shielded cable, 3m long, 5mm diameter

## DETAIL 1




Dimensions in mm

Wiring Code	
<i>Colour</i>	<i>Function</i>
WHITE	OUTPUT +
GREEN	SENSE +
BLUE	INPUT +
RED	OUTPUT -
BLACK	INPUT -
GREY	SENSE -

## VERSIONS

### Available versions

Code	Plate Max (mm)	Max (kg)
SPSZ500 	800 x 800	500
SPSZ1000 	800 x 800	1000



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SALES AND TECHNICAL ASSISTANCE SERVICE