

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.

CAPACITIES (kg): 500, 1000.

OIML R60. C3 precision class.

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

The best solution
for advanced industrial
applications

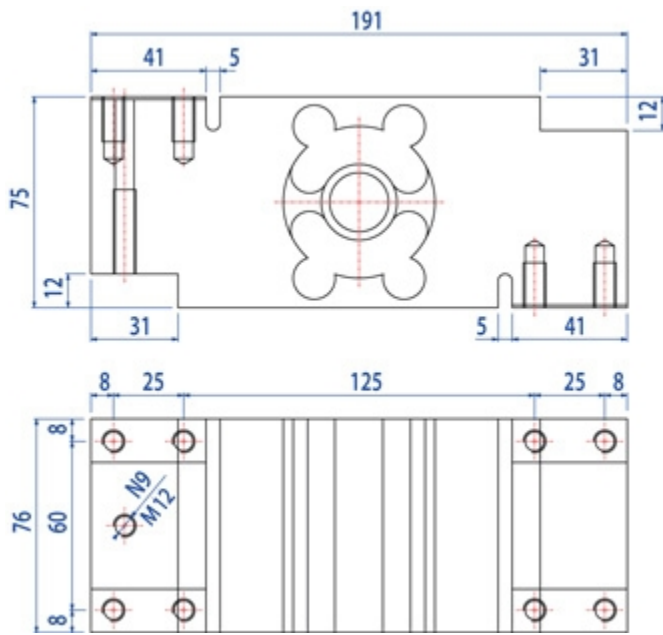
MAIN FEATURES

- 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: $2mV/V \pm 10\%$
- Temperature effect on zero:
from $\pm 0,0112\% \text{ F.S./10K}$ to $\pm 0,0186\% \text{ F.S./10K}$
- Temperature effect on full scale output:
 $\pm 0,0117\% \text{ F.S./10K} (-10^{\circ}\text{C}/+20^{\circ}\text{C})$
 $\pm 0,0170\% \text{ F.S./10K} (+20^{\circ}\text{C}/+40^{\circ}\text{C})$
- Compensated Temperature Range: $-10^{\circ}\text{C}/+40^{\circ}\text{C}$
- Operating Temperature Range: $-10^{\circ}\text{C}/+50^{\circ}\text{C}$
- Creep at nominal load in 30 minutes: $\pm 0,01\% \text{ F.S.}$
- Maximum tolerated excitation voltage: 15 VDC
- Input Resistance: $380 \pm 15 \text{ Ohm}$
- Output Resistance: 300...500 Ohm
- Insulation Resistance (100V) $>2000 \text{ MOhm}$
- Safe Overload: 150 % F.S.
- Ultimate Overload: 300% F.S.
- Nominal displacement: $< 0.5 \text{ mm}$
- 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

Codice	Piatto Max (mm)	Max (kg)
SPSZ500 	800 x 800	500
SPSZ1000 	800 x 800	1000



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SALES AND TECHNICAL ASSISTANCE SERVICE