Double Shear Beam Load Cell **DSBZ**

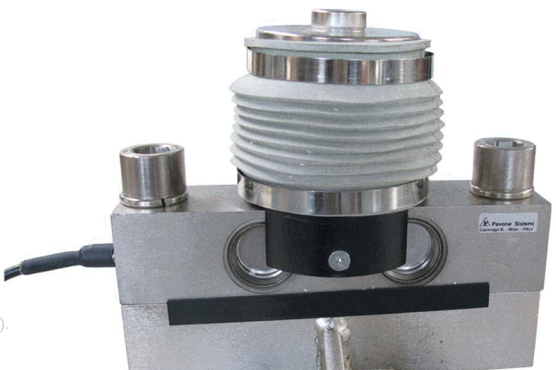
available with certification • EAC

Technical specifications

PWS12620240314

The double shear beam load cell DSBZ guarantees high precision and is insensitive to lateral loads. For this reason, it is suitable for heavy industrial weighing, such as trucks and large heavy vehicles. The load cell DSBZ has a high degree of protection and guarantees excellent performance. It also comes with a 4-meter shielded cable 20 meters long.

Rated Load (RL):	10, 20, 25, 30, 40, 50 t
Combined error:	< ±0,023 % RO
Repeatability:	±0.01 % RO
Creep (30 minutes):	±0.02 % RO
Safe overload:	150 % RL
Ultimate overload:	300 % RL
Safe sideload:	100 % RL
Material:	Allloy steel
Degree of protection:	IP68
Deflection:	0.6 ÷ 1.4 mm
Compensated Temperature:	-10 ÷ +40 °C
Temperature range:	-35 ÷ +65 °C
Temperature effect on zero balance:	±0.018 % RO/10°C
Temperature effect on output:	±0.012 % on output/10°C
Zero balance:	< ±1,5 % RO
Insulation resistance:	> 5000 M Ohm
Input resistance:	700 ±7 Ohm
Output resistance:	700 ±7 Ohm
Recommended input:	5 ÷ 12 Vdc/Vac
ATEX certified version:	II1G Ex ia II1C T4; II1D Ex iaD 20 T73°C; II3G nL IIC T4



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

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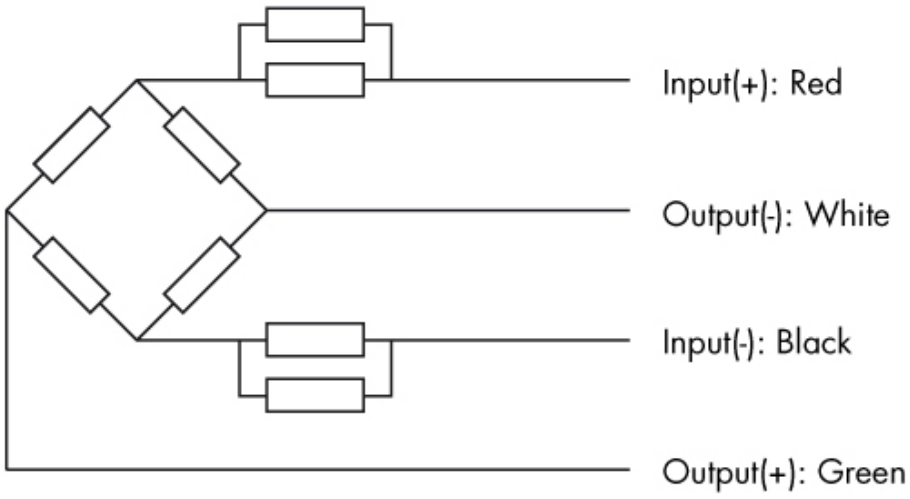
Wiring:

- Shielded, 4 conductor cable: Ø 5,5mm.
- Standard cable lenght: 12m or 20m.
- Cable type and cable lenght or customer's own application are available on request.
- Shield not connected to element.



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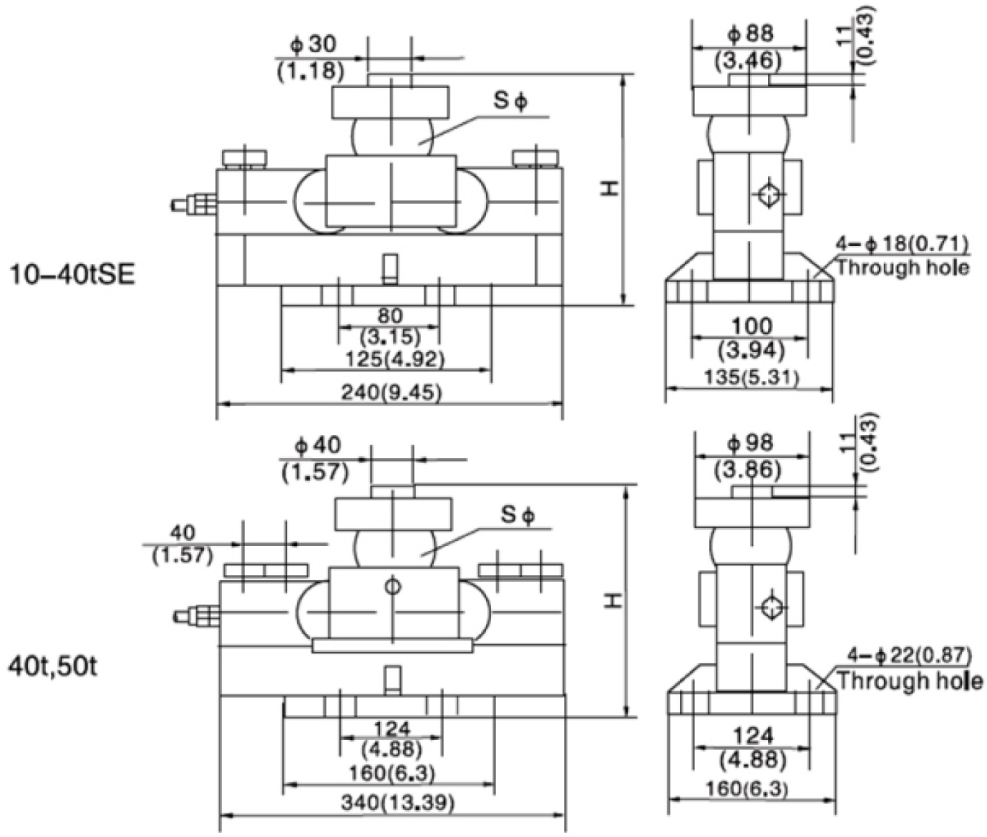

DIM/CAP	10T	20T-40T SE	40T, 50T
H	195 (7.68)	225 (8.86)	267 (10.51)
SØ	50 (1.97)	76 (2.99)	82 (3.22)

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