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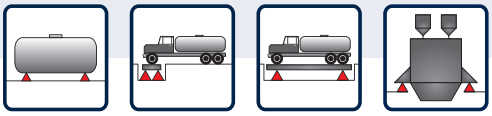
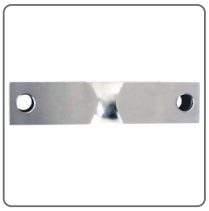
Double Ended Shear Beam Load cell *D10S*

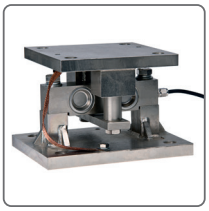


Features

- Material: alloy steel
- Nominal load: 4536 kg - 34,091 kg
- Accuracy class 0.03
- Construction: The measuring element is laser-welded
- Protection class: IP66
- Central free-swinging force application
- Particularly robust for tough continuous use in industrial applications
- Compatible with other manufacturers



Scope of application:



- Hopper scales and silo scales
- Truck scales
- Container scales
- Weighing frames
- Track scales
- Force measurements in the process industry

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Double Ended Shear Beam Load cell *D10S*

Centrally loaded double shear beam load cells

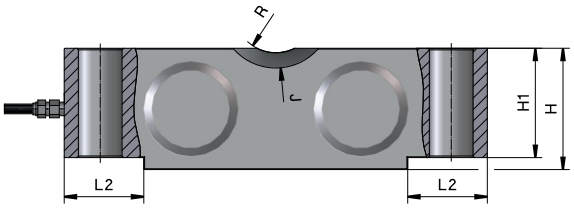
The D10S is a centrally loaded double shear force transducer made of high-quality tool steel. Due to the central, freely oscillating force application, this load cell is largely insensitive to eccentric or lateral loads.

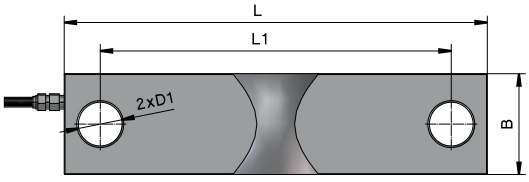
The load cell delivers extremely precise and reproducible measurement results even in long-term use in harsh industrial environments. The load cell is laser-welded and meets the requirements of protection class IP66.

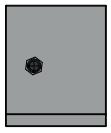
TECHNICAL DETAILS

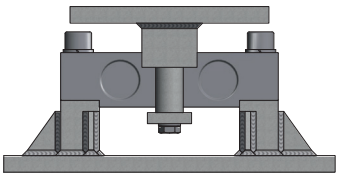
Accuracy class according to OIML R 60		G3
Nominal load (E_{max})		10, 20, 25, 40, 50, 75, 100, 200 klb (ca. 4.536, 9.091, 11.363, 18.182, 22.727, 34.091, 45.3592, 90.7185 kg)
Number of division values (n_{LC})		3000
Nominal value (C_n) / Characteristic tolerance	mV/V	3,0 ± 0,003
Characteristic value of the relative minimum division value d. WZ (Y = Emax / vmin)	% from Emax	10.000
Minimum preload (E_{min})		0
Limit load (EL) **Breaking load (Ed)**	% from Emax	150 250
Recommended supply voltage (Uref) **Maximum permissible supply voltage (BU)**	V	5 - 12 15
Zero adjustment	% v. Cn	1 %
Input resistance (RLC) at reference temperature	Ω	750 ± 10
Output resistance (RO) at reference temperature	MΩ	702 ± 3
Insulation resistance	°C	> 5 000
Nominal temperature range (BT)		- 10 ... + 40
Protection class according to (DIN 40.050 / EN 60529)		IP 66
Cable length		16 m (50-200 klb), 12 m (10-40 klb)
Material		Alloy steel

TECHNICAL DRAWINGS



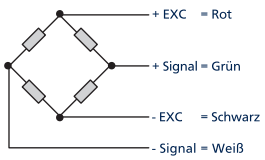






Einbaubeispiel

Elektrischer Anschluss
4 -Leiter - Kabel



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