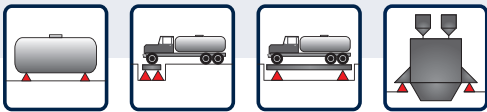


## Truck Scale load cell *D30S*

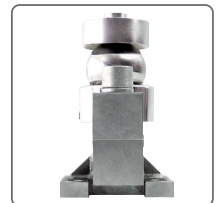
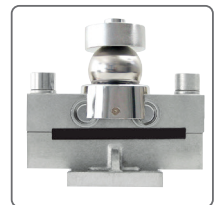


### Features

- ▶ Material: Alloy steel
- ▶ Nominal load: 10,000 kg and 50,000 kg
- ▶ Protection class: IP68 - laser welded
- ▶ Construction: The measuring element is hermetically encapsulated and output current calibrated
- ▶ Particularly robust for tough continuous use in industrial applications
- ▶ Approval: OIML R60 C3; test certificate number: DK0199-R60-12.14

### Scope of application:

- ▶ Truck scales,
- ▶ hopper scales,
- ▶ silo scales,
- ▶ truck scales,
- ▶ container scales,
- ▶ weighing frames,
- ▶ Special scales
- ▶ Force measurements in the testing machine and process industry.



## Truck Scale load cell D30S

### End loaded double shear beam load cells

The centrally loading double shear beam load cell D30S is one of the newer products in weighing technology. It is characterised by high accuracy and linearity. Due to the central force application, this load cell is largely insensitive to eccentric or lateral loading, whereby the spherical force application allows for small lateral movements of the weighing surface. The D30S load cell is legal for

trade up to 3000D according to OIML, R60 and delivers extremely precise and reproducible measurement results even in long-term use in harsh industrial environments. The load cell is made of high-quality alloy tool steel, it is laser-welded and meets the requirements of protection class IP68.

### TECHNICAL DETAILS

Accuracy class according to OIML R 60		G3
Nominal load ( $E_{max}$ )	t	10, 15, 20, 25, 30, 40, 50
Number of division values ( $n_c$ )		3000
Nominal value ( $C_n$ ) / Characteristic tolerance	mV/V	$2,0 \pm 0,002$
Characteristic value of the relative minimum division value d. $WZ (Y = E_{max} / v_{min})$	from $E_{max}$	10.000%
Minimum preload ( $E_{min}$ )		0
Limit load (EL)		120
Breaking load (Ed)	% from $E_{max}$	200
Recommended supply voltage (Uref)	V	5 - 12
Maximum permissible supply voltage (BU)		15
Zero adjustment	% v. $C_n$	$\leq \pm 5\%$ v. $C_n$
Input resistance (RLC) at reference temperature	$\Omega$	$750 \pm 10$
Output resistance (RO) at reference temperature	M $\Omega$	$703 \pm 5$
Insulation resistance	M $\Omega$	$> 5\,000$
Nominal temperature range (BT)		- 10 ... + 40
Protection class according to (DIN 40.050 / EN 60529)		IP 68
Cable length		On request
Material		Alloy steel

### TECHNICAL DRAWINGS

