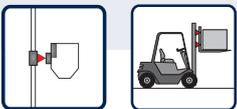
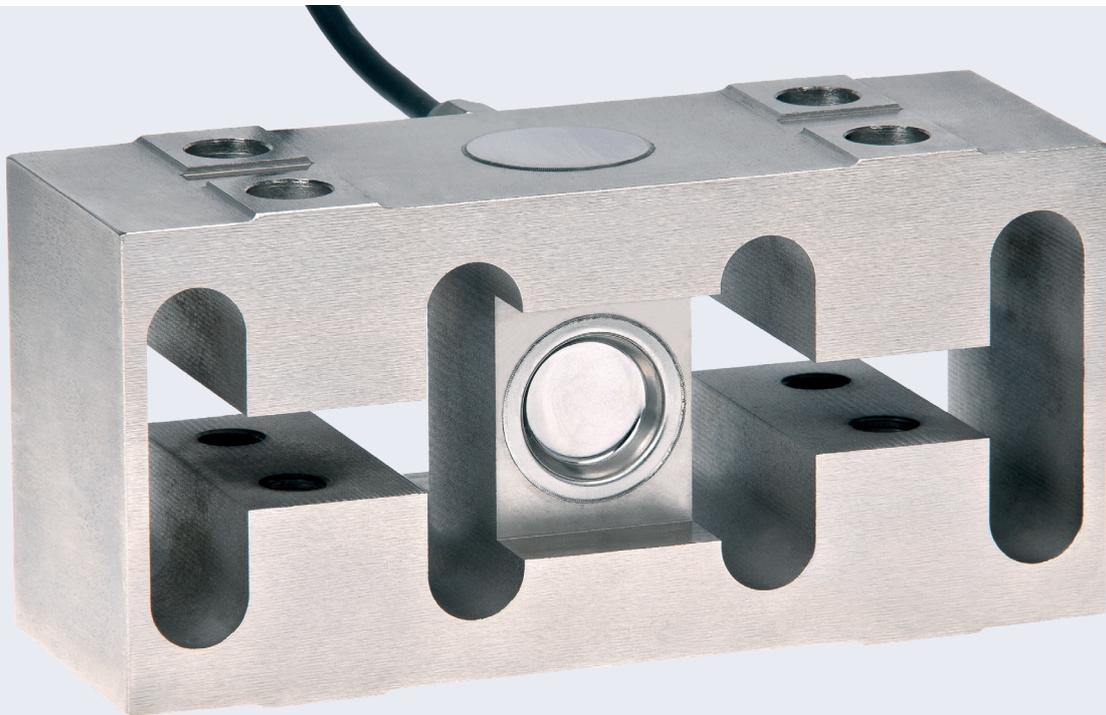


Rectangular load cell *K90S*



Features

- ▶ Material: alloy steel, nickle-plated
- ▶ Capacity: 550, 880 and 2.000 kg
- ▶ Protection class: IP 65
- ▶ Design: The measuring element is hermetically sealed and has a calibrated output current
- ▶ Robust design, high accuracy also for dynamic load
- ▶ Load introduction by partially threaded through hole
- ▶ Compatible with other sources
- ▶ Also available in stainless steel



Scope of application

- ▶ Verwägungssysteme für Abfallbehälter
- ▶ Wiegen auf Müllfahrzeugen
- ▶ Containerwaagen
- ▶ Mobile Wägesysteme
- ▶ Gabelstaplerwaagen
- ▶ Zur Überlastsicherung bei Hebebühnen und Lastenaufzügen

Rectangular load cell *K90S*

Shear beam load cell for mobile scales

The K90S is a special shear beam load cell made of alloy steel or stainless steel. It is suitable for mobile scales with eccentric loads. This cell is specially designed for use in vehicles that need to weigh off-centre loads (e.g. refuse collection vehicles). In addition, this load cell is suitable for weighing containers with wall mounting.

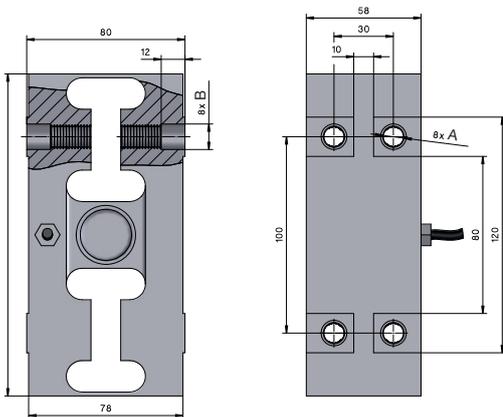
The load cell's design as a mechanical double link system (called parallelogram) compensates for torsional forces under eccentric loads. This eliminates measurement

errors in the case of one-sided loading (e.g. in a corner, on the platform).

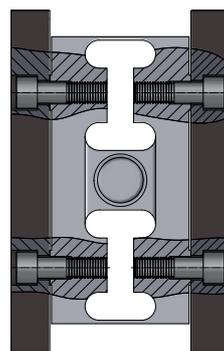
The K90S load cell delivers extremely precise and reproducible measurement results even in long-term use. The load cell is laser-welded and meets the requirements of protection class IP65.

► TECHNICAL DETAILS

Accuracy class		G3
Nominal load (E_{max})	kg	550, 880, 2.000
Number of division values (n_{LC})		3000
Nominal value (C_n) / Characteristic tolerance	mV/V	$2,0 \pm 0,002$
Minimum preload (E_{min})		0
Limit load (EL)		150 % von Emax
Breaking load (Ed)		250 % von Emax
Recommended supply voltage (Uref)	V	5 - 12
Maximum permissible supply voltage (BU)	V	15
Zero adjustment		± 1 % v. Cn
Input resistance (RLC) at reference temperature	Ω	400 ± 2
Output resistance (RO) at reference temperature	Ω	352 ± 3
Insulation resistance	M Ω	>5.000
Cable length		3 m
Nominal temperature range (BT)	$^{\circ}\text{C}$	- 10 ... + 40
Protection class according to (DIN 40.050 / EN 60529)		IP 65
Material		Alloy steel

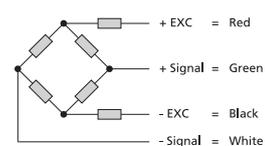


All dimensions in mm | Subject to technical changes



Example of mounting

Electrical connection 4-wire cable



Load	A	B
550, 880	M12	$\phi 13$
2.000 kg	M16	$\phi 18$