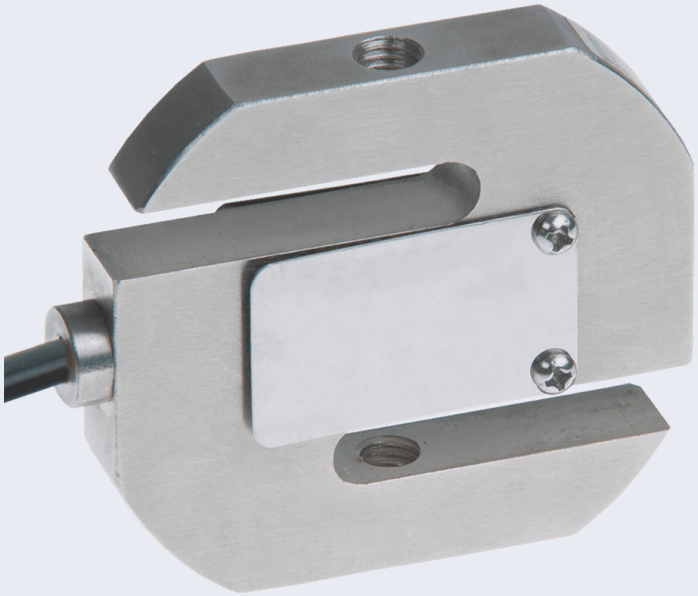
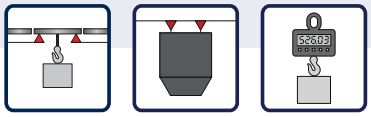
BOSCHE
WÄGETECHNIK

S-Type load cell *S40S*





Features

- Material: Alloy steel
- Nominal load: 20-75 kg
- Accuracy class 0.03
- Construction: Measuring element is encapsulated and output current calibrated
- Protection class: IP65
- Force introduction at top and bottom by means of centric thread
- Particularly robust for tough continuous use in industrial applications
- Compatible with other manufacturers

*Accessoires

Scope of application:

- Hybrid scales
- Silo scales
- Crane scales
- Tractive force testing machines
- Filling, dosing and mixing machines

* Not included in the scope of delivery. Please order separately if required.

+49 (0) 5491.999.689.0
www.bosche.eu

BOSCHE
WÄGETECHNIK

S-Type load cell *S40S*

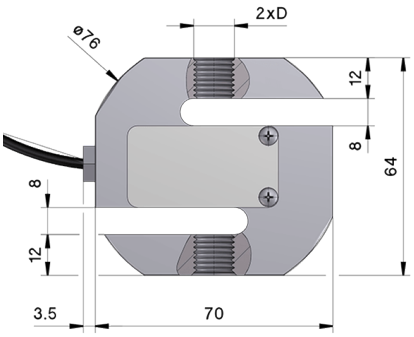
Load cell with high accuracy and linearity

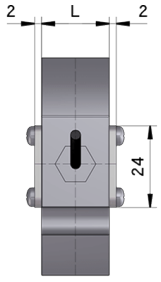
The S-shaped S40S load cell was specially designed for measuring smaller tensile and compressive forces. A centric thread in the upper and lower part of the load cell ensures optimal force application in tension and compression direction.
The load cells are made of high-quality steel and are characterised by high accuracy and linearity. The S40S load cells deliver extremely precise and reproducible measurement results even in long-term use in harsh industrial environments. The load cell is encapsulated and meets the requirements of protection class IP65. Due to simple integration possibilities and due to the good dynamic behaviour, these load cells are often offered as force transducers and calibrated in Newton

TECHNICAL DETAILS

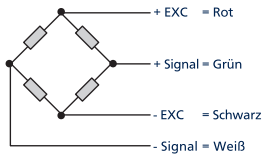
Accuracy class according to OIML R 60:		0,03
Nominal load (E_{max})	kg	20, 30, 50, 75
Number of division values (n_{LC})		3000
Nominal value (C_n) / Characteristic tolerance	mV/V	2,0 ± 0,003
Minimum preload (E_{min})		0
Limit load (EL) **Breaking load (Ed)**	% from Emax	120 200
Recommended supply voltage (Uref) **Maximum permissible supply voltage (BU)**	V	5 - 12 15
Zero adjustment	% v. Cn	≤ ± 1
Input resistance (RLC) at reference temperature	Ω	400 ± 2
Output resistance (RO) at reference temperature	Ω	352 ± 3
Insulation resistance	MΩ	> 5 000
Nominal temperature range (BT)	°C	- 10 ... + 40
Protection class according to (DIN 40.050 / EN 60529)		IP 65
Material		Alloy steel

TECHNICAL DRAWINGS





Elektrischer Anschluss
4 -Leiter - Kabel



+49 (0) 5491.999.689.0
www.bosche.eu

BOSCHE GmbH & Co. KG
Reselager Rieden 3
49401 Damme