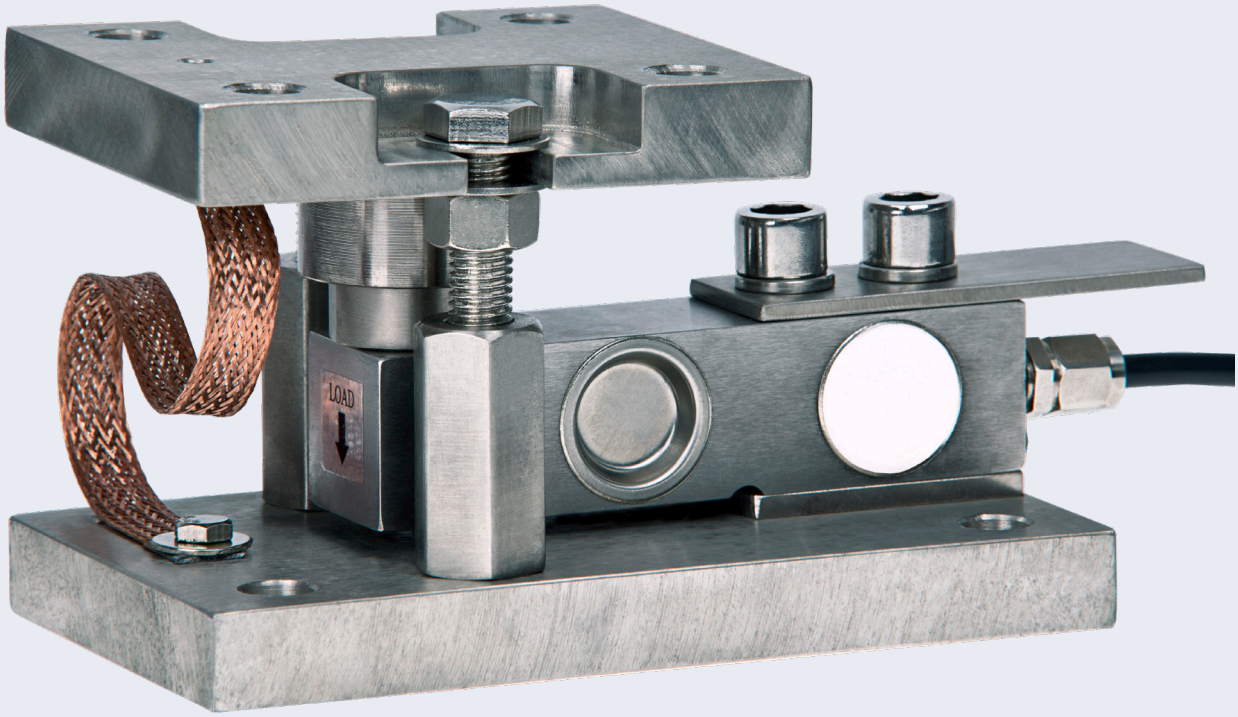
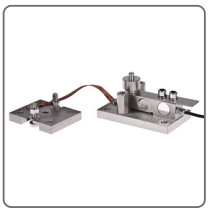
BOSCHE
WEIGHING SYSTEMS

Weighing Module *K30-MA*



Features



- Material: Stainless steel
- Capacity: 500-10.000 kg
- Load transmission: Ball socket
- Integrated anti-lift device
- Very robust for tough continuous use in the industrial area
- Low profile design
- Mechanical framing with anti-lift device

Anwendungsbereich:

- Platform and floor scales
- Hopper scales, smaller hopper scales
- Silo scales
- Big Bag scales

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WEIGHING SYSTEMS

Weighing Module *K30-MA*

Verifiable weighing module made of stainless steel with base plate ball socket

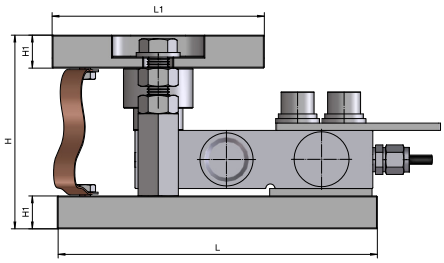
The compact unit K30-MA is specially designed for hanging applications of shear beam load cells K30N and K30S. he system consists of two hardened ball cups between which a ball ensures self-centring load application.
The system consists of two hardened ball cups between which a ball ensures self-centring load application.

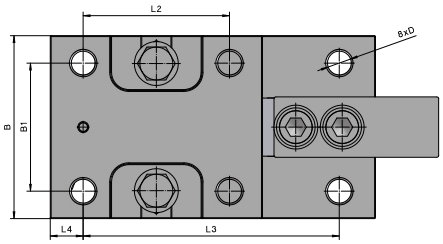
The load cells are calibrated for output current as standard, which enables simple and precise wiring of several load cells in parallel. The load cells are laser-welded and fulfil the requirements of protection class IP65.

TECHNICAL DETAILS

Accuracy class		G3, C3
Maximum capacity (E_{max})	kg	500, 1.000, 2.000, 2.500, 5.000, 10.000
Maximum number of intervals (n_{LC})		3000
Output sensitivity (C_n) / Tolerance	mV/V	3,0 ± 0,003
Minimum dead load (E_{min})		0
Ratio of min LC verification interval(Y = Emax / vmin):		10.000 Parts of Emax
Limit load (EL)		120 % of Emax
Breaking load (Ed)		200 % of Emax
Recommended supply voltage (Uref)	V	5 - 12
Excitation, maximum (BU)	V	15
Zero balance		± 3 % v. Cn
Input resistance (RLC) at reference temperature	Ω	400 ± 20
Output resistance (RO) at reference temperature	Ω	352 ± 3
Insulation resistance	MΩ	>5.000
Cable length		On request
Nominal temperature range (BT)	°C	- 10 ... + 40
Operating temperature range (Btu)	°C	- 30 ... + 70
Protection class (DIN 40.050 / EN 60529)		IP 65
Material		Alloyed steel

TECHNICAL DRAWINGS





Capacity	H	H1	B	B1	L	L1	L2	L3	L4	D
2.500 kg	106 mm	18 mm	100 mm	70 mm	210 mm	116 mm	80 mm	140 mm	18 mm	13 mm
5.000 kg	135 mm	23 mm	160 mm	90 mm	270 mm	150 mm	100 mm	200 mm	25 mm	18 mm
10.000 kg	186,3 mm	28 mm	180 mm	110 mm	345,2 mm	210,4 mm	150,4 mm	250 mm	30 mm	26 mm

Alle Angaben in mm | Technische Änderungen vorbehalten

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