



Short Description



- Stainless steel IP68 single ended bending beam
- Hermetically sealed
- Suitable for platform scales, bench scales, belt scales, smaller hopper and tank scales, bagging machines and other applications
- High accuracy
- Current calibrated (SC-option)



Test certificate no. TC7968 Revision 0
C of C no R60/2000-NL1-11.20



Certificate no. 07.020A1

Available Models

Capacity	Accuracy	Full Article Description
5kg	C3 Excluded from OIML	BM11-C3-5kg-3B-SC
10kg	C3/C4	BM11-C3/C4-10kg-3B-SC
20kg	C3/C4	BM11-C3/C4-20kg-3B-SC
30kg	C3/C4	BM11-C3/C4-30kg-3B-SC
50kg	C3/C4	BM11-C3/C4-50kg-3B-SC
100kg	C3/C4	BM11-C3/C4-100kg-3B-SC
200kg	C3/C4	BM11-C3/C4-200kg-3B-SC
250kg	C3/C4	BM11-C3/C4-250kg-3B-SC
350kg	C3/C4	BM11-C3/C4-350kg-3B-SC
500kg	C3/C4	BM11-C3/C4-500kg-3B-SC

Technical Specifications BM11

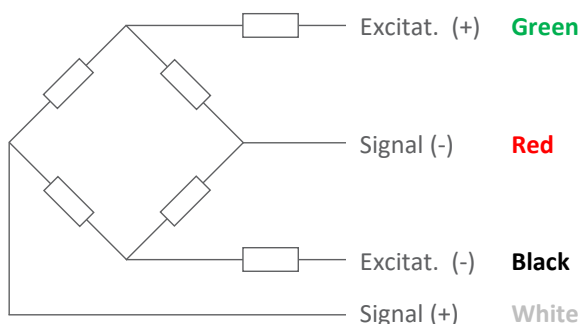
Accuracy Class		C3	OIML R60 C3	OIML R60 C4
Output Sensitivity (= FS)	mV/V	2.0 ± 0.02		
Maximum Capacity (E _{max})	kg	5	10, 20, 30, 50, 100, 200, 250, 350, 500	
Max. Number of Load Cell Intervals	n _{LC}	3000		4000
Ratio of min. LC Verification Interval	Y = E _{max} / V _{min}	10000		15000
Combined Error	%FS	≤± 0.020		≤± 0.0174
Creep Error (30 minutes)	%FS	≤± 0.016		≤± 0.012
Temperature Effect on Zero (ZTC)	%FS/10°C	≤± 0.015		≤± 0.010
Temperature Effect on Sensitivity (STC)	%FS/10°C	≤± 0.011		≤± 0.009
Zero Balance	%FS	≤± 1.0		
Safe Overload	%FS	150		
Ultimate Overload	%FS	300		
Excitation, Recommended Voltage	V _{DC}	5 ~ 12		
Excitation, Maximum Voltage	V _{DC}	18		
Input Resistance	Ω	460 ± 50		
Output Resistance	Ω	350 ± 3.5		
Insulation Resistance (@ 50V _{DC})	MΩ	≥5000		
Compensated Temperature	°C	-10 ~ + 40		
Operating Temperature	°C	-35 ~ + 65		
Load Cell Weight	kg	~0.50		
Element Material		Stainless Steel		
Ingress Protection (acc. to EN 60529)		IP68		
Recommended Torque on Fixation Bolts	Nm	M8: 25		M10: 50
ATEX Classification (optional)		II 1G Ex ia IIC T4 Ga	II 1D Ex ia IIIC T ₂₀₀ 135°C Da	II 3G Ex ic IIC T4 Gc

Wiring

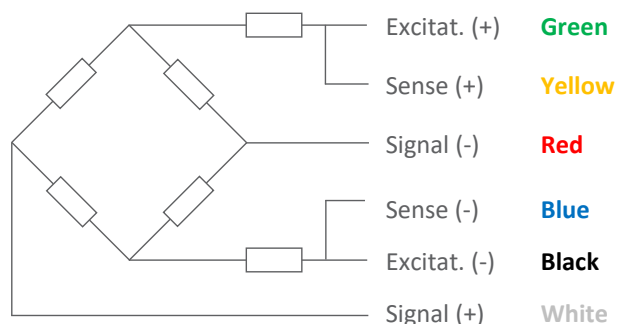
Features:

Cable type: Shielded, 6 and 4 conductor cable, conductor AWG 24 (6-wire) or AWG 22 (4-wire)
 Cable diameter: Ø 5.0mm
 Cable length: 4 conductor: 3m, 6 conductor: 6m
 Cable jacket: Polyurethane
 Shield not connected to element

4-Wire Connection Diagram

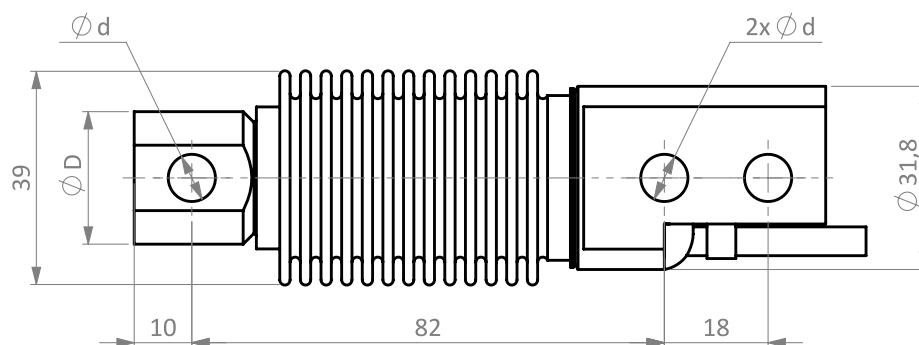


6-Wire Connection Diagram

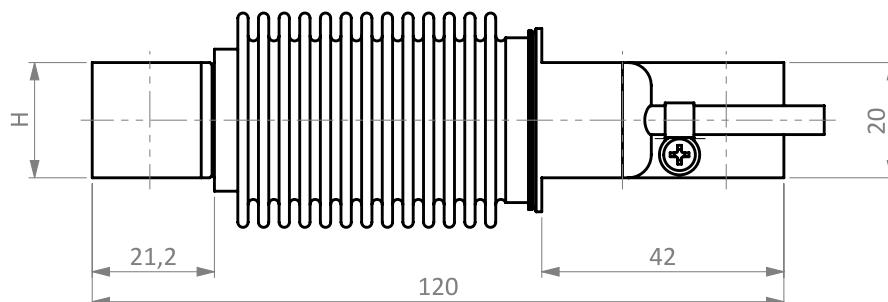


Dimensions in mm

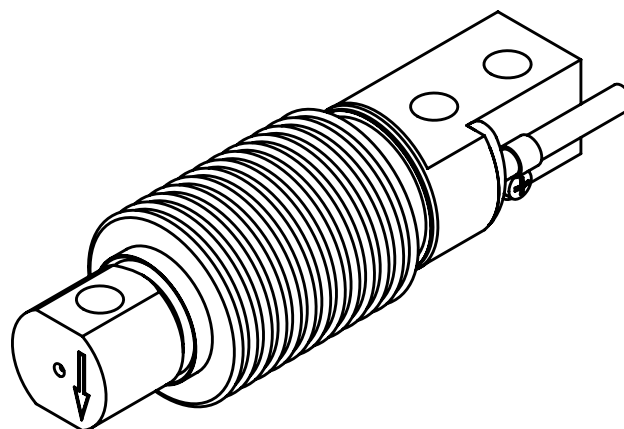
Top View



Side View



Isometric View

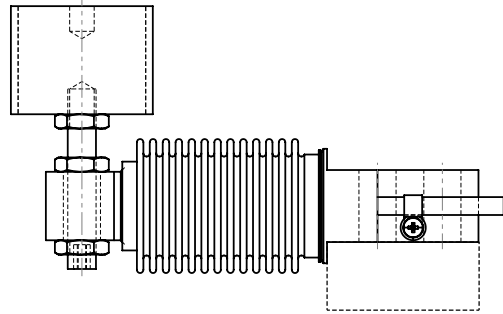


Dimension Capacity	d	D	H
5kg – 200kg	8.2	23	20
250kg – 500kg	10.3	24	19

Available Accessories

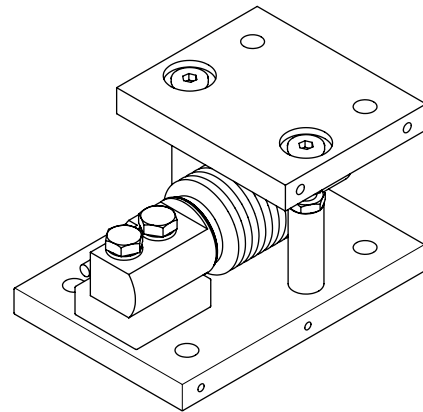
BJ-11-220-5-500kg Foot

- Stainless steel
- Elastomer foot
- Adjustable height
- Also available in galvanised steel version



BM-11-401-5-500kg Mount

- Stainless steel mount
- Easy load cell access
- Self-aligning construction
- Lift-off protection
- Controlled horizontal movement



BM-11-402-5-500kg Mount

- Stainless steel mount
- BM-11-401 + Stay Rod
- Easy load cell access
- Self-aligning construction
- Lift-off protection
- Stabilized by stay rod
- Recommended if horizontal forces are expected in the use application

