BM11



- Stainless steel IP68 single ended bending beam
- Hermetically sealed
- Suitable for pallet, platform and small hopper scales
- 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

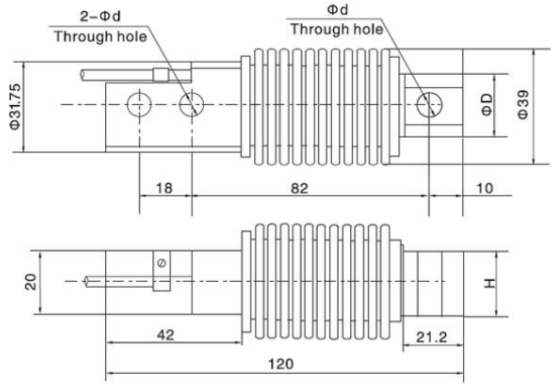
Available models

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

Specification

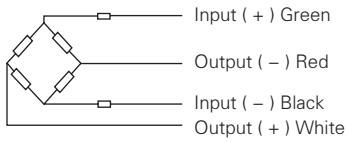
Accuracy class		C3	OIML R60 C3	OIML R60 C4
Output sensitivity (= FS)	mV/V	2.0 ± 0.02		
Maximum capacity (E_{max})	klb	5	10, 20, 30, 50, 100, 200, 250, 350, 500	
Maximum number of load cell intervals (nLC)		3000	3000	4000
Ratio of minimum LC verification interval Y = E_{max} / v_{min}		10000	15000	
Combined error	%FS	± 0.023		± 0.0174
Minimum dead load	%FS	0%		
Safe overload	%FS	150 %		
Ultimate overload	%FS	300 %		
Zero balance	%FS	± 1.0		
Excitation, recommended voltage	V	5 ~ 12(DC)		
Excitation maximum	V	18(DC)		
Input resistance	Ω	460 ± 50		
Output resistance	Ω	350 ± 3.5		
Insulation resistance	MΩ	⩾ 5000 (50VDC)		
Compensated temperature	℃	–10 ~+40		
Operating temperature	℃	–35 ~ +65		
Storage temperature	℃	–40 ~ +70		
Element material		Stainless steel		
Ingress protection (according to EN 60529)		IP68		
Recommended torque on fixation	N.m	M8:25	M10:50	
ATEX classification (optional)		II1G Ex ia IIC T4	II1D Ex iaD 20 T73℃	II3G Ex nL IIC T4

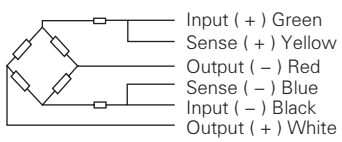
Dimensions in mm



Dimension \ Capacity (kg)	5,10,20,30,50 100,150,200	250,300,350,500
d	8.2 (0.32)	10.3 (0.41)
D	23 (0.91)	24 (0.94)
H	20 (0.79)	19 (0.75)

Wiring



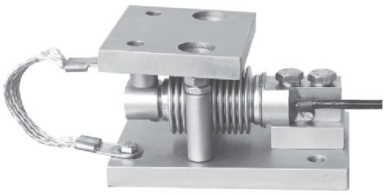


- Shielded, 6 and 4 conductor cable for all capacities.
- Cable diameter: Φ 5mm.
- Standard cable length for 4 conductor cable: 3m and for 6 conductor cable: 6m.
- Shield not connected to element

Accessories

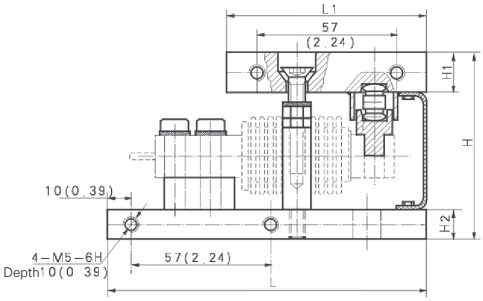
BM-11-401

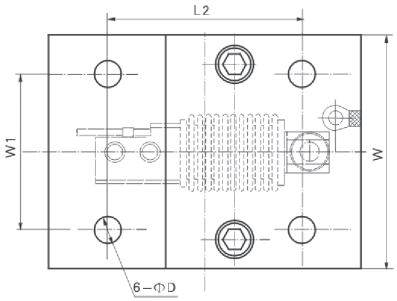
Stainless steel mounting kits, assembled with: BM11



Short description

- Compact construction, easy installation
- With anti–reversal ability
- With anti–overloading ability
- With self–aligning ability



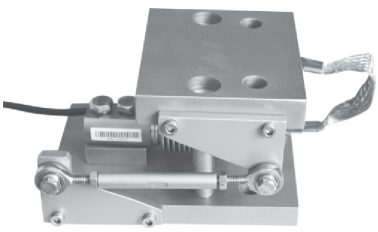


Capacity	Part number
5kg–200kg	BM–11–401–5/200kg
250kg–500kg	BM–11–401–250/500kg

Dimension / Capacity (klb)	5kg–200kg	250kg–500kg
H	77(3.03)	90(3.54)
H1	12(0.47)	20(0.79)
H2	12(0.47)	15(0.59)
L	130(5.12)	160(6.3)
L1	75(2.95)	100(3.94)
L2	95(3.74)	100(3.94)
W	90(3.54)	120(4.72)
W1	60(2.36)	80(3.15)
ΦD	Φ9(0.35)	Φ14(0.55)

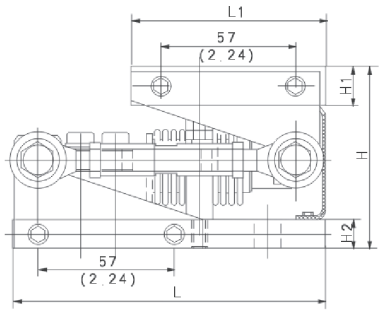
BM-11-402

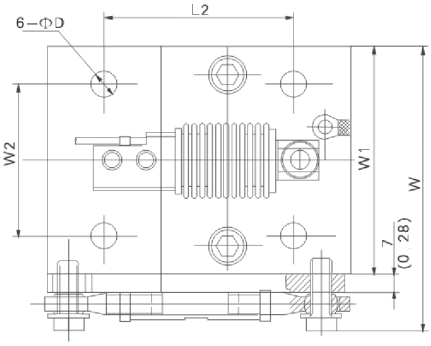
Stainless steel mounting kits, assembled with: BM11



Short description

- Compact construction, easy installation
- With anti–reversal ability
- With horizontal locating ability
- With anti–overloading ability
- With self–aligning ability





Capacity	Part number
5kg–200kg	BM–11–402–5/200kg
250kg–500kg	BM–11–402–250/500kg

Dimension / Capacity (klb)	5kg–200kg	250kg–500kg
H	77(3.03)	90(3.54)
H1	12(0.47)	20(0.79)
H2	12(0.47)	15(0.59)
L	130(5.12)	160(6.3)
L1	75(2.95)	100(3.94)
L2	95(3.74)	100(3.94)
W	90(3.54)	120(4.72)
W1	60(2.36)	80(3.15)
ΦD	Φ9(0.35)	Φ14(0.55)