



Short Description



- Stainless steel IP67 shear beam load cell
- Low profile
- T-end loading hole option (W6-Version)
- High accuracy
- Current calibrated (SC-option)
- Suitable for hopper, floor and other electronic scales



Test certificate no. TC7809 Revision 0
C of C no R60/2000-NL1-10.14 Rev. 1



Certificate No. 12-029

Available Models

Capacity	Accuracy	Full Article Description
200kg	C3 (Excluded from OIML)	B8Q-C3-200kg-3B-SC(-W6)
500kg	C3	B8Q-C3-500kg-3B-SC(-W6)
1000kg	C3	B8Q-C3-1000kg-3B-SC(-W6)
2000kg	C3	B8Q-C3-2000kg-3B-SC(-W6)

Technical Specifications B8Q

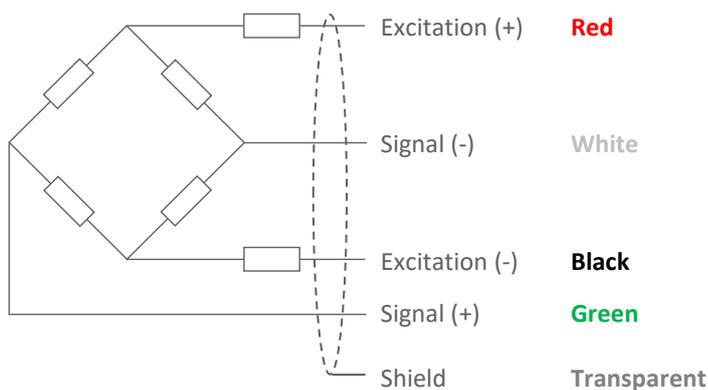
Accuracy Class		C3	OIML R60 C3	
Output Sensitivity (= FS)	mV/V	2.0 ± 0.002		
Maximum Capacity (E _{max})	kg	200	500, 1000, 2000	
Max. Number of Load Cell Intervals	n _{LC}	3000		
Ratio of min. LC Verification Interval	$Y = E_{max} / v_{min}$	10000	15000	
Combined Error	%FS	≤± 0.0230		
Creep Error (30 minutes)	%FS	≤± 0.016		
Temperature Effect on Zero (ZTC)	%FS/10°C	≤± 0.015		
Temperature Effect on Sensitivity (STC)	%FS/10°C	≤± 0.011		
Zero Balance	%FS	≤± 1.0		
Safe Overload	%FS	150		
Ultimate Overload	%FS	300		
Maximum Deflection	mm	0.12 ~ 0.57		
Excitation, Recommended Voltage	V	5 ~ 12		
Excitation, Maximum Voltage	V	18		
Input Resistance	Ω	1000 ± 5 (W6= 380 ± 15)	1106 ± 5 (W6= 380 ± 15)	
Output Resistance	Ω	1000 ± 3 (W6= 350 ± 3)		
Insulation Resistance (50V)	MΩ	≥5000		
Compensated Temperature	°C	-10 ~ + 40		
Operating Temperature	°C	-35 ~ + 70		
Load Cell Weight	kg	200kg – 500kg: ~0.5	1000kg: 0.6	2000kg: 0.7
Element Material		Stainless Steel		
Ingress Protection (acc. to EN 60529)		IP67		
Recommended Torque on Fixation Bolts	Nm	M12: 75		

Wiring

Features:

Cable type: Shielded, 4 conductor cable , conductor AWG 22
 Cable diameter: Ø 5.0mm
 Cable length: 3m
 Cable jacket: Polyurethane
 Shield not connected to element

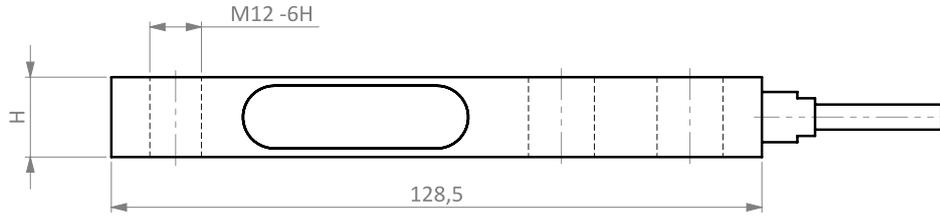
4-Wire Connection Diagram



Specifications and dimensions are subject to change without notice and do not constitute any liability whatsoever.

Dimensions in mm

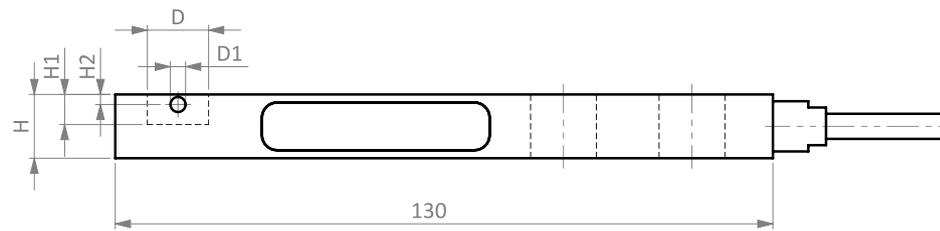
Front View



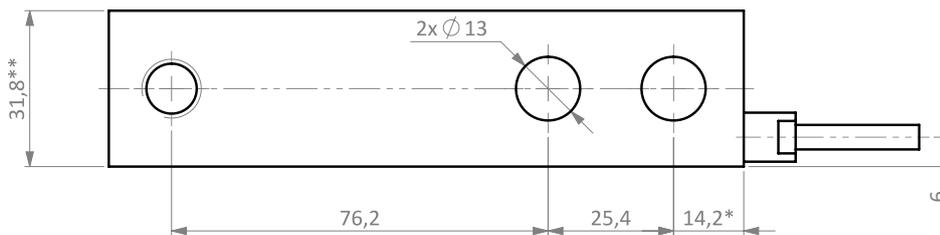
Side View



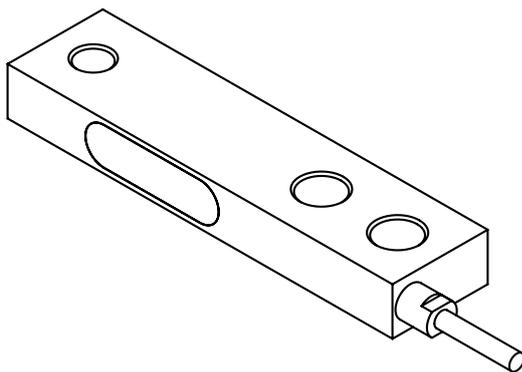
Front View W6 Version



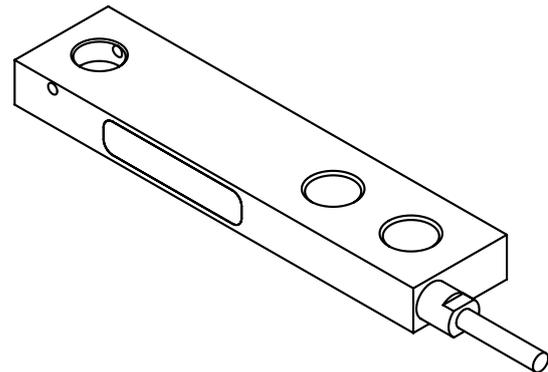
Top View



Isometric View



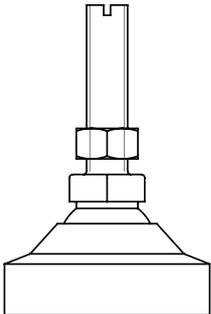
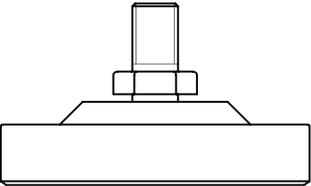
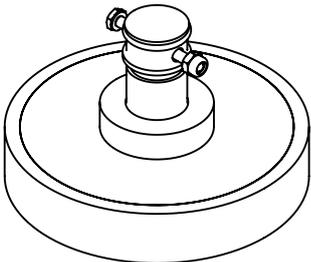
Isometric View W6 Version



Dimension Capacity	H	H (-W6)	H1	H2	ØD	ØD1
200kg	12.7	12.7	6	2.2	12.1	3
500kg	15.9	19.1	9.5	2.8	18.1	4
1000kg	19.1	19.1	9.5	2.8	18.1	4
2000kg	25.4	28.0	9.5	2.8	18.1	4

* = 16mm for all W6 versions
 ** = 30.5mm for all W6 versions

Available Accessories

<p>BJ-8-202-0.1-2t Stainless Steel Foot</p> <ul style="list-style-type: none"> • Ø 60 mm and height 92 mm • Stainless Steel • Adjustable height • Automatically centralized inside • Good ability of anti-side loading 	
<p>BJ-8-215-0.1-2t Stainless Steel Foot</p> <ul style="list-style-type: none"> • Ø 81 mm and height 48 mm • Easy installation • Adjustable height • Automatically centralized inside • Low installation height • Mainly used for platform scales, floor scales and other electronic weighing devices 	
<p>BJ-8-250-0.2-2t Stainless Steel Foot</p> <ul style="list-style-type: none"> • Stainless Steel • Ø 60 mm (200kg) and Ø 80 mm (0.5 – 2t) • Easy installation • Suitable for W6 option • Height adjustable (30 ~ 37 mm for 200 kg; 41 ~ 51 mm from 500 kg) 	
<p>HJ-8-213-0.1-2t Alloy Steel Low Profile Foot</p> <ul style="list-style-type: none"> • Ø 60 mm and total height 64 mm • Alloy steel, nickel plated • Low installation height • Adjustable height (~31mm range) • Automatically centralized inside • Good ability of anti-side loading 	