



Short Description



- Stainless steel IP67 dual shear beam load cell
- High accuracy
- Suitable for truck and track scales and other heavy weighing devices
- Hermetically sealed



Certificate no. 07-018A1

Available Models

Capacity	Accuracy	Full Article Description
5Klb	N3	B9C-N3-5K-9B
10Klb	N10	B9C-N10-10K-9B
15Klb	N10	B9C-N10-15K-9B
20Klb	N10	B9C-N10-20K-9B
30Klb	N10	B9C-N10-30K-9B
40Klb	N10	B9C-N10-40K-9B
50Klb	N10	B9C-N10-50K-9B
60Klb	N10	B9C-N10-60K-9B
75Klb	N10	B9C-N10-75K-9B
90Klb	N10	B9C-N10-90K-9B
100Klb	N10	B9C-N10-100K-9B
150Klb	N3	B9C-N3-150K-9B
200Klb	N3	B9C-N3-200K-9B
250Klb	N3	B9C-N3-250K-9B

Technical Specifications B9C

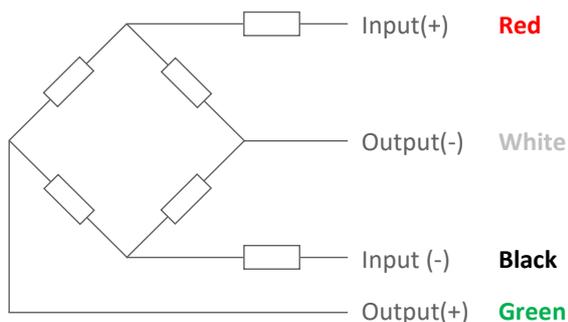
Accuracy Class		N3		N10			
Output Sensitivity (= FS)	mV/V	3.0 ± 0.003					
Maximum Capacity (E _{max})	Klb	5, 150, 200, 250			10, 15, 20, 30, 40, 50, 60, 75, 90, 100		
Max. Number of Load Cell Intervals	n _{LC}	3000					
Ratio of min. LC Verification Interval	Y = E _{max} / V _{min}	7500					
Combined Error	%FS	≤± 0.035			≤± 0.020		
Creep Error (30 minutes)	%FS	≤± 0.016					
Temperature Effect on Zero (ZTC)	%FS/10°C	≤± 0.025					
Temperature Effect on Sensitivity (STC)	%FS/10°C	≤± 0.020					
Zero Balance	%FS	≤± 1.0					
Safe Overload	%FS	150					
Ultimate Overload	%FS	300					
Excitation, Recommended Voltage	V	5 ~ 12					
Excitation, Maximum Voltage	V	18					
Input Resistance	Ω	700 ± 7					
Output Resistance	Ω	700 ± 7					
Insulation Resistance (50V)	MΩ	≥5000					
Compensated Temperature	°C	-10 ~ + 40					
Operating Temperature	°C	-35 ~ + 65					
Storage Temperature	°C	-40 ~ + 70					
Load Cell Weight	kg	5-10Klb: 2.1	20Klb: 3.8	30-90Klb: 9.5	100Klb: 13.1	150lb: 15.5	200-250Klb: ~42-44.6
Element Material		Stainless Steel					
Ingress Protection (acc. to EN 60529)		IP67					
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:

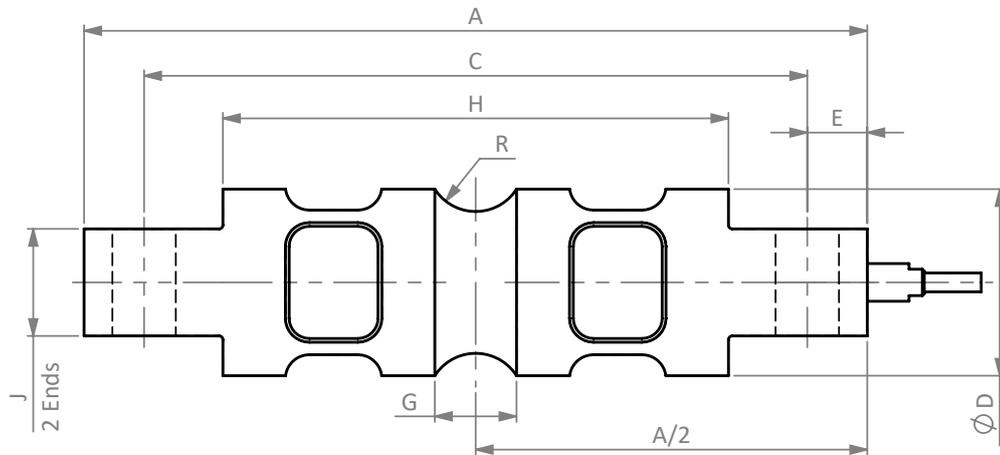
Cable type: Shielded, 4 conductor cable , conductor AWG 21
 Cable diameter: Ø 5mm for 5Klb – 20Klb, Ø 8mm for 30Klb – 250Klb
 Cable length: 9m
 Cable jacket: Polyurethane
 Shield not connected to element

4-Wire Connection Diagram

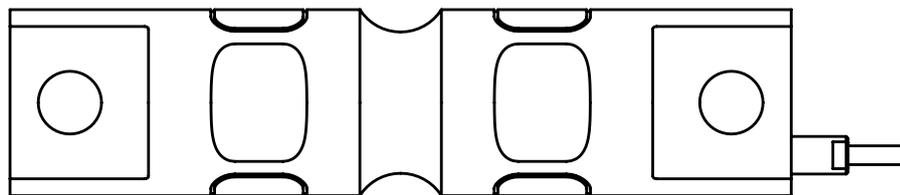


Dimensions in mm

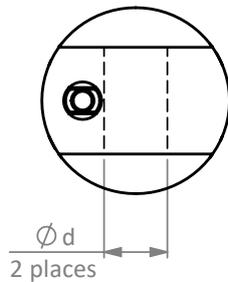
Front View



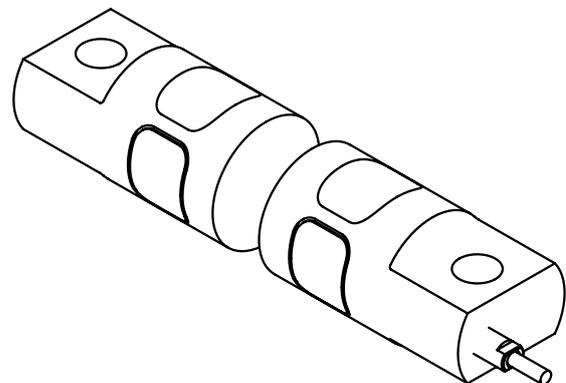
Top View



Side View

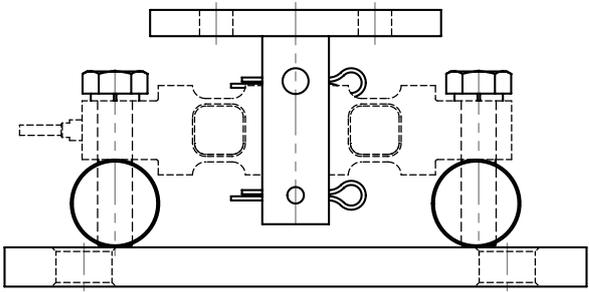
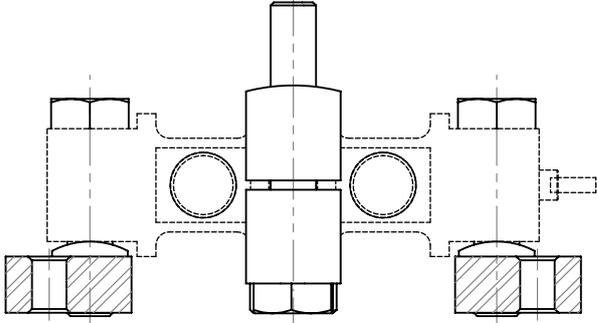


Isometric View



Dimension \ Capacity	A	C	H	G	ØD	J	Ød	R	E
5Klb, 10Klb	206.2	174.6	133.1	15.7	43.2	28.4	16.7	12.7	15.7
15Klb, 20Klb	206.2	174.6	133.1	21.3	49.5	28.4	16.7	12.7	15.7
30Klb-75Klb	260.4	215.9	165.1	25.4	76.2	60.2	26.9	25.4	22.4
90Klb, 100Klb	285.8	241.3	190.2	31.0	88.9	63.5	26.9	38.1	22.4
150Klb	285.8	241.3	190.2	31.0	99.1	71.1	26.9	38.1	22.4
200Klb, 250Klb	408.9	330.3	254	31.7	136.6	116.8	39.6	50.8	39.4

Available Accessories

<p>HM-9-401-5-250Klb Mount</p> <ul style="list-style-type: none"> • Easy installation • Compact construction • Self-aligning • Anti-reversal ability • Alloy steel • Using under heavy static or slight dynamic load • Imperial dimensions 	
<p>HM-9-405-30-75Klb Mount</p> <ul style="list-style-type: none"> • Alloy steel • No horizontal movement 	
<p>HM-9-409-5-20Klb</p> <ul style="list-style-type: none"> • Easy installation • Compact construction • Self-aligning • Anti-reversal ability • Alloy steel • Using under heavy static or slight dynamic load • Metric dimensions 	