



- **Stainless steel beam load cell**
- **Hermetically sealed IP68**
- **Suitable for platform, hopper and pallet scales**
- **High accuracy up to 6000 divisions approved**

Specifications

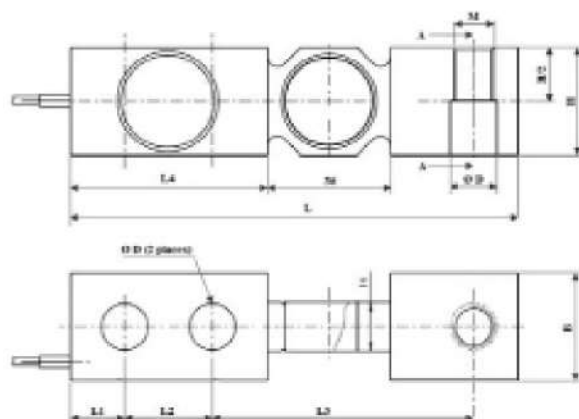
Accuracy class		C3
Maximum capacity (E_{max})	t	0.15, 0.3, 0.5, 1, 1.5, 2, 2.5, 3, 5, 7.5, 10
Output sensitivity	mV/V ¹	2.0 ± 0.04 / 3.0 ± 0.08
Current calibration	SC	See option table
Maximum number of load cell intervals (n_{LC})	n_{max}	3000
Ratio of minimum LC verification interval $Y = E_{max} / v_{min}$	Y	10000
Measuring principle		Bending till 0.3t - Shear above 0.5t
Combined Error	%FS	≤ ± 0.023
Minimum dead load	t	0
Safe overload	of E_{max}	150 %
Ultimate overload	of E_{max}	300 %
Zero balance	of FS	≤ ± 1.0 %
Excitation, recommended voltage	V AC/DC	5 ~ 12
Excitation maximum	V AC/DC	18
Terminal resistance, input	Ω	350 ± 3.5
Terminal resistance, output	Ω	350 ± 3
Insulation impedance	MΩ	≥ 5000 (at 50VDC)
Temperature range, compensated	°C	-10 ... +40
Temperature range, operating	°C	-35 ... +65
Element material		Stainless steel
Recommended torque on fixation bolts	Nm	M12: 100; M18: 200; M24: 700
Ingress Protection (according to EN 60529)		IP68

Note 1: See option table for standard version and options

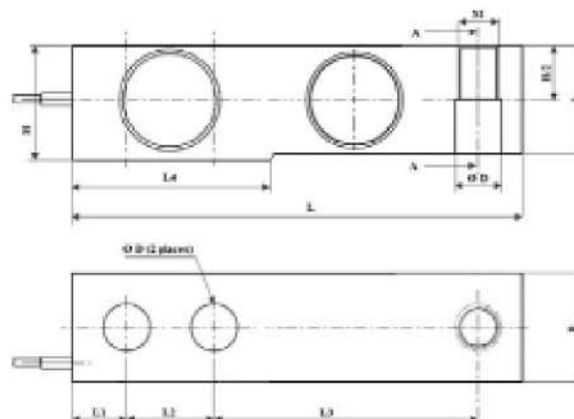


Outline dimensions in mm

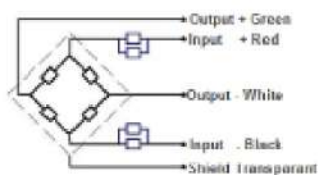
150kg - 300kg (bending)



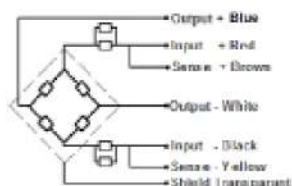
Other capacities (shear)



4-wire:

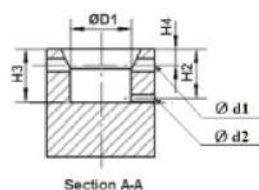


6-wire:



- Shielded, 4 conductor cable: 5mm
- Standard cable length: 6m
- Shield is not connected to the element
- Cable type and length can be changed on customers request

Option W6 Dimensions - Loading Hole



Capacity	Dimension	ØD1	Ød1	Ød2	H2	H3	H4
0.15t - 0.3t		130	15.7	25.4	76.2	57.1	31.3
0.5t		130	15.7	25.4	76.2	57.1	31.3
1t		130	15.7	25.4	76.2	57.1	31.3
1.5t - 2t		130	15.7	25.4	76.2	57.1	31.3
2.5t - 5t		171	19	38.1	95.2	76.2	36.8



Capacity	Accuracy	Part-Number
150 kg	C3	SSM8D-C3-150kg-6B-G1
300 kg	C3	SSM8D-C3-300kg-6B-G1
500 kg	C3	SSM8D-C3-500kg-6B
1t	C3	SSM8D-C3-1t-6B-SC
1.5t	C3	SSM8D-C3-1.5t-6B
2t	C3	SSM8D-C3-2t-6B-SC
2.5t	C3	SSM8D-C3-2.5t-6B
3t	C3	SSM8D-C3-3t-6B
5t	C3	SSM8D-C3-5t-6B
7.5t	C3	SSM8D-C3-7.5t-6B
10t	C3	SSM8D-C3-10t-6B

Options Capacity	YY			XX	
0.15t	G1 (2mV/V-SC)	SC (3mV/V-SC)	None (3mV/V-SC)	W6 (T-end)	
0.3t	Standard	Not available	Not available	Option only available in combination with G1 option	
0.5t					
1t	Option	Option	Standard		
1.5t		Standard	Option		
2t		Option	Standard		
2.5t		Standard	Option		
3t		Option	Standard		
5t					
7.5t					
10t			Not available		



Capacity	Dimension	L	L1	L2	L3	L4	B	H	h	ØD	M
0.15t – 0.3t		130	15.7	25.4	76.2	57.1	31.3	31.3		13.5	M12x1.75
0.5t		130	15.7	25.4	76.2	57.1	31.3	31.3	24.8	13.5	M12x1.75
1t		130	15.7	25.4	76.2	57.1	31.3	31.3	26	13.5	M12x1.75
1.5t – 2t		130	15.7	25.4	76.2	57.1	31.3	31.3	28	13.5	M12x1.75
2.5t – 5t		171	19	38.1	95.2	76.2	36.8	36.8	34.8	20.5	M20x2.5
7.5t – 10t		222	25.4	50.8	120.7	101.6	49.5	49.5	47.5	26.9	M24x2

Ordering information

(Please use the characters in the chart below to create your product code)

Sample Code SSM8D - CX - 1.0t - 6BX - YY - XX

Nominal capacity (E_{max}) for Metric in t(on) and K(ilo)

Length of the cable in meters

Cable option. No mark is 4 conductor cable and with "6" a 6 conductor cable

Option YY see option table

Option XX. No mark is standard version, W4 is through loading hole, W6 is "T" end loading

If you require a customized solution for your program contact our sales team.

PITCH TECHNOLOGIES

Votre contact VARIOHM en France | 01 34 85 54 68 | <https://pitch-technologies.fr> | info@pitch-technologies.fr

Load Cell - SSM8D Series 07/24