Load Cell - ASM8C Series

- Alloy steel IP68 single shear beam load cell
- Hermetically sealed
- Suitable for truck, track, hopper and other electronic scales

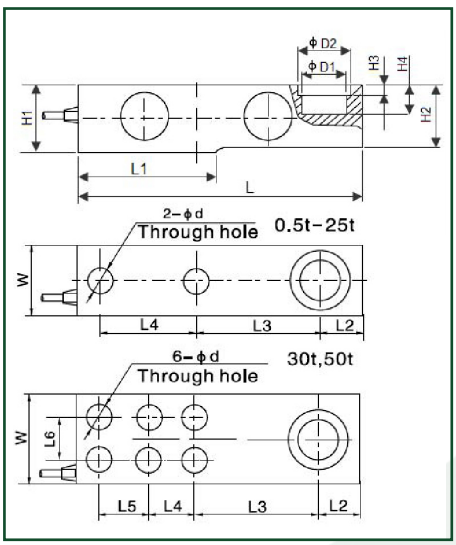
Capacity	Accuracy	Part-Number
1t	C3	ASM8C-C3-1t-6.5B6
2t		ASM8C-C3-2t-6.5B6
2.5t		ASM8C-C3-2.5t-6.5B6
3t		ASM8C-C3-3t-6.5B6
5t		ASM8C-C3-5t-6.5B6
10t		ASM8C-C3-10t-6.5B6
15t		ASM8C-C3-15t-6.5B6
20t		ASM8C-C3-20t-6.5B6
25t		ASM8C-C3-25t-6.5B6
30t		ASM8C-C3-30t-6.5B6



Specification:

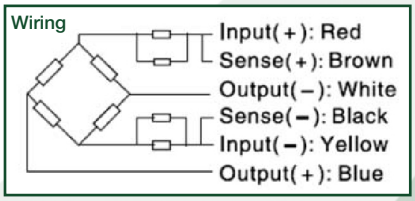
Accuracy class		C3
Output sensitivity (= FS)	mV/V	2.0 ± 0.002
Maximum capacity (E_{max})	t	1, 2, 2.5, 3, 5, 10, 15, 20, 25, 30
Maximum number of load cell intervals (n_{LC})		3000
Ratio of minimum LC verification interval $Y = E_{max} / v_{min}$	Y	10000
Combined Error	%FS	≤ ± 0.02
Safe overload	of E_{max}	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	352 ± 3.0
Insulation impedance	MΩ	≥ 5000 (at 50VDC)
Temperature range, compensated	°C	-10 ...+40
Temperature range, operating	°C	-35 ... +65
Element material		Alloy steel
Ingress Protection (according to EN 60529)		IP68
Recommended torque on fixation bolts	Nm	M12:100; M14:120; M20:250, M27: M33: 800-1000

Outline dimensions in mm:

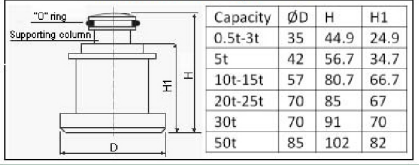


Capacity	H1	H2	H3	H4	ØD1	ØD2	Ød	W	L	L1	L2	L3	L4	L5	L6
1t – 2t	43	37	12.5	30	16	32	13	37	203	95	22	98	64		
2 - 5t	43	37	12.5	30	16	32	15	37	203	95	22	98	64		
3t	43	37	12.5	25	16	32	15	37	203	95	22	98	64		
5t	52	48	12.5	30	22	38	21	48	235	110	22	124	66		
10t	67	60	8.5	20	32	48	28	60	279	133	32	140	82		
15t	67	60	8.5	20	32	54	28	60	279	133	32	140	82		
20t, 25t	82.5	70	10	24	38	54	34	70	318	153	38	159	89		
30t	115	90	14	32	38	54	26	96	374	189	44.5	181	76	51	46

Wiring



Recommended accessory HY-8-101



Capacity	ØD	H	H1
0.5t-3t	35	44.9	24.9
5t	42	56.7	34.7
10t-15t	57	80.7	66.7
20t-25t	70	85	67
30t	70	91	70
50t	85	102	82

- Shielded, 6 conductor cable: Ø 6.2mm
- Standard cable length 6.5m
- Cable type and length can be changed on customer's request
- Shield is not connected to the element

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Subject to change without notice