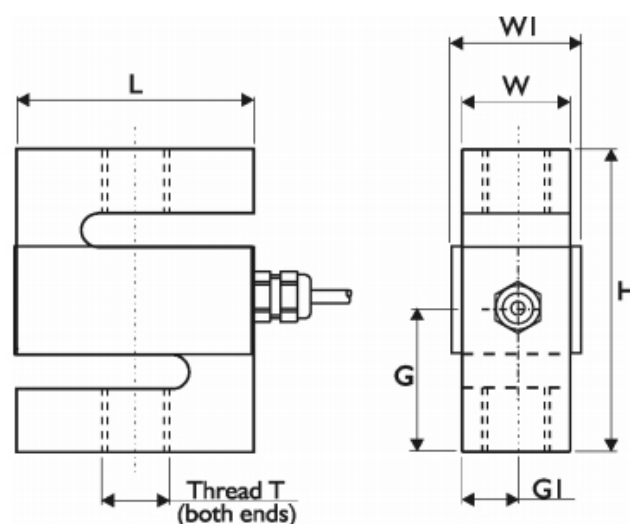




External “S-Beam” Load Cells (S-Beam)

Overview: The S-Beam load cells are designed for force measurement and weighing applications alike. Non-submersible, these load cells are used outside of the triaxial cell between the top of the triaxial cell and the reaction bar of the load frame.

Accuracy:	0.1% Full Range Output
Submersibility:	IP51 OR IP67
Non-Linearity:	$<\pm 0.03\%$
Hysteresis:	$<\pm 0.03\%$
Temperature Range:	Operating: -20°C to $+80^{\circ}\text{C}$ Compensated: 0°C to $+70^{\circ}\text{C}$
Temperature Effect:	On Output: $<\pm 0.005\%/^{\circ}\text{C}$ On Zero: $<\pm 0.005\%/^{\circ}\text{C}$
Excitation:	Recommended: 10 Volts AC or DC Maximum: 15 Volts AC or DC
Input Impedance:	375 Nominal Ohms
Output Impedance:	350 Nominal Ohms
Insulation Impedance:	75000@50vdc MegaOhms



Note: On capacities over 100kN, cells will have rounded shoulders.

Rated Capacity (kN)	Length (L) (mm)	Width (W) (mm)	WI (mm)	Height (H) (mm)	Weight (kg)	Deflection (mm)	Rated Output (mV/V)	Material	Thread (T)
0.01	48	12.7	20	60	0.085	0.55	2.7 nominal	Aluminium	M8 x 1.25
0.02	48	12.7	20	60	0.085	0.58	2.7 nominal	Aluminium	M8 x 1.25
0.05	48	12.7	20	60	0.085	0.51	2.7 nominal	Aluminium	M8 x 1.25
0.10	48	12.7	20	60	0.085	0.41	2.7 nominal	Aluminium	M8 x 1.25
0.25	48	12.7	20	60	0.085	0.36	2.7 nominal	Aluminium	M8 x 1.25
0.50	48	18	25	70	0.14	0.41	2.7 nominal	Aluminium	M8 x 1.25
1	48	18	25	70	0.14	0.41	2.7 nominal	Aluminium	M8 x 1.25
2.5	48	18	25	70	0.33	0.41	2.7 nominal	Stainless Steel	M8 x 1.25
5	48	30	37	75	0.56	0.41	2.7 nominal	Stainless Steel	M8 x 1.75
10	48	30	37	75	0.58	0.56	2.7 nominal	Stainless Steel	M8 x 1.75
25	63	38	38	90	1.33	0.33	2.7 nominal	Stainless Steel	M8 x 2.00
50	63	38	38	90	1.35	0.43	2.7 nominal	Stainless Steel	M8 x 2.00
100	145	55	N/A	145	6	0.16	2.7 nominal	Stainless Steel	M8 x 2.00
200	190	75	N/A	190	25	0.16	2.0 nominal	Stainless Steel	M45 x 3.0
300	190	75	N/A	190	25	0.16	2.0 nominal	Stainless Steel	M45 x 3.0

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GDS have supplied equipment to over 86% of the world's top 50 Universities who specialise in Civil & Structural Engineering, according to the "QS World University Ranking 2020" report.

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50**

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Results from our post-delivery survey asked customers for feedback on their delivery, installation (if applicable), supporting documentation, apparatus and overall satisfaction with GDS. The survey ran for two years.



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All GDS products are designed, manufactured and assembled in the UK at our offices in Hook. All products are quality assured before they are dispatched.

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Extended Warranties:

All GDS apparatus are covered by a 12 month manufacturers warranty. In addition to the standard warranty, GDS offer comprehensive extended warranties for 12, 24 and 36 months, for peace of mind against any repairs in the future. The extended warranties can be purchased at any time during the first 12 months of ownership.



GDS Training & Installation:

All installations & training are carried out by qualified engineers. A GDS engineer is assigned to each order throughout the sales process. They will quality assure the apparatus prior to shipping, if installation has been purchased, install the apparatus on the customers site & provide the training.



Technical Support:

GDS understand the need for ongoing after sales support, so much so that they have their own dedicated customer support centre. Alongside their support centre GDS use a variety of additional support methods including remote PC support, product helpsheets, video tutorials, email and telephone support.

