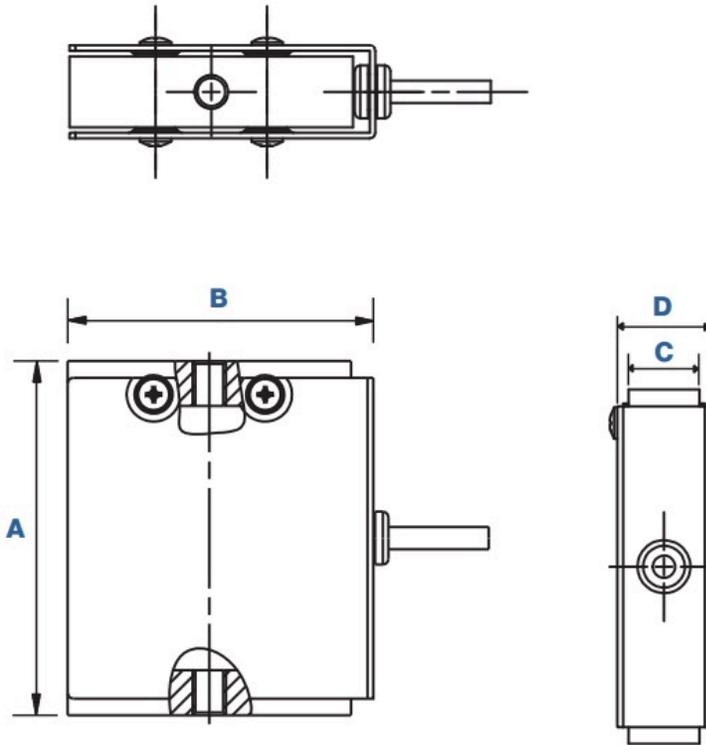


Metric S-Beam Load Cells



- Capacities from 2lbf [10N] up to 11klbf [50kN]
- Excellent measurement performance in both tension and compression
- Improved measurement repeatability to older models
- Enhanced safe overload protection
- Dimensions / threads meet major OEM requirements
- Protective cover keeps overload protection slots clear

Schematic (mm)



Dimensional Attributes (Metric Version)

MODEL		Metric S-Beam Load Cells			
CAPACITIES ($\pm N$)		10 to 250	500 & 1k	2.5k to 10k	20k to 50k
HEIGHT (mm)	A	63.5	70.0	80.0	108.0
WIDTH (mm)	B	54.8	60.0	66.0	76.2
THICKNESS (Load Cell) (mm)	C	12.2	16.5	24.0	30.0
THICKNESS (WITH COVER) (mm)	D	16.7	18.0	28.0	31.5

All S-Beam Offerings/Variations:

Models (Metric Version)				
PART ID	CAPACITY (N)	SAFE OVERLOAD FACTOR	SAFE OVERLOAD (N)	THREAD
S-Beam Load Cell-10N	±10N	10x	±100N	M6x1
S-Beam Load Cell-25N	±25N	10x	±250N	M6x1
S-Beam Load Cell-50N	±50N	10x	±500N	M6x1
S-Beam Load Cell-100N	±100N	10x	±1kN	M6x1
S-Beam Load Cell-250N	±250N	10x	±2.5kN	M12x1.75
S-Beam Load Cell-500N	±1kN	10x	±5kN	M12x1.75
S-Beam Load Cell-1kN	±2.5kN	10x	±12.5kN	M12x1.75
S-Beam Load Cell-1kN	±5kN	5x	±25kN	M12x1.75
S-Beam Load Cell-2.5kN	±10kN	5x	±50kN	M12x1.75
S-Beam Load Cell-1kN	±10kN	5x	±60kN	M12x1.75
S-Beam Load Cell-10kN	±20kN	3x	±90kN	M16x2
S-Beam Load Cell-30kN	±30kN	3x	±150kN	M16x2
S-Beam Load Cell-50kN	±50kN	3x	±150kN	M16x2

General Specifications				
Rated Output (RO)	2 mV/V			
Nonlinearity	±0.03% of FS			
Hysteresis	±0.03% of FS			
Nonrepeatability	±0.01% of RO			
Creep, 30min (%RDG)	±0.01% of RDG			
ELECTRICAL ATTRIBUTES		TEMPERATURE ATTRIBUTES		
Zero Balance- mV/V	±0.06	Compensated Range	°F	-15 to +105
Input Impedance- ohm	387±20	Operating Range	°F	-15 to +160
Output Impedance- ohm	350±5	Effect on Zero	±0.001% of FS/°F	
Insulation Resistance- Megaohm	≥5000 MΩ (at 50 VDC)	Effect on Span	±0.001% of FS/°F	
Rated Excitation Voltage- V DC/ AC	10	Excitation +	Red	
Maximum Excitation Voltage-V DC/ AC	15	Excitation -	Black	
Integrated Cable	28 AWG with shield	Signal +	Green	
Cable Length	ft 9	Signal -	White	

