

Terms and Conditions of Use

This drawing, including all information depicted herein (collectively, "Drawing"), is FUTEK's property and protected under applicable law, including copyright. FUTEK reserves all rights. The Drawing is provided solely for your information and exclusive use. **Except as expressly approved by FUTEK in writing, you may not reproduce or share this Drawing**, in whole or part, with any other firm or individual, or attempt to reverse engineer the Drawing or data contained therein. Any reproduction of this Drawing in whole or part must include this legend.

By accessing the Drawing, you agree that you have read, understand, and agree to abide by the stated Terms and Conditions of Use.

© 2023 FUTEK Advanced Sensor Technology, Inc.

PARALLEL BEAM LOAD CELL

Δ



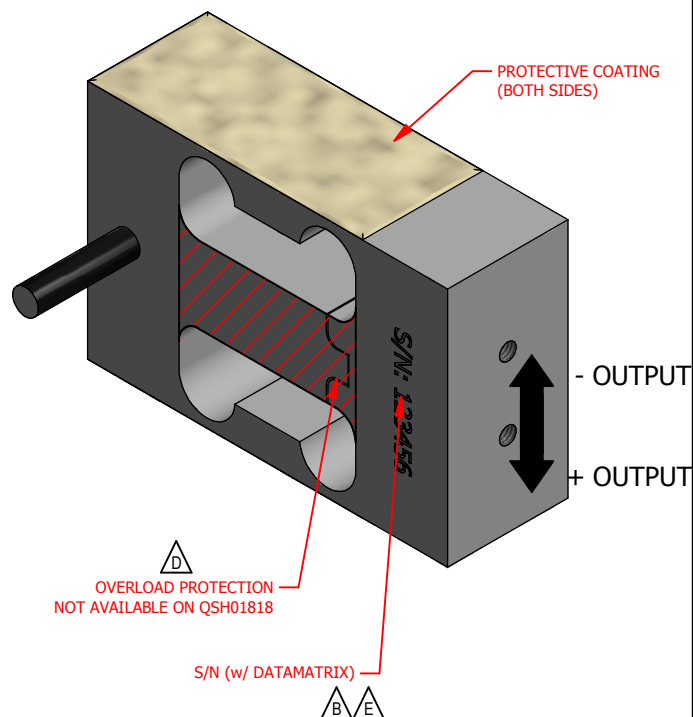
Technical drawing of a mechanical part, showing front and side views with dimensions and labels.

Front View (Top):

- Overall width: 3.54 [89.9]
- Overall height: 1.18 [30.0]
- Internal feature height: 4X 0.59 [15.0]
- Bottom flange width: Ø0.22 [5.6]
- Label: PROTECTIVE COATING (pointing to the top surface)

Side View (Bottom):

- Overall height: 2.36 [59.9]
- Internal feature height: 1.18 [30.0]
- Internal feature width: 0.71 [18.0]
- Internal feature depth: 0.83 [21.0]
- Internal feature label: 4X M5x0
- Internal feature label: 'A'
- Internal feature label: D E



RATED OUTPUT	2 mV/V nom.
CAPACITY	60 lb. [266.4N]
SAFE OVERLOAD	See Chart
ZERO BALANCE	±2% of R.O.
EXCITATION (VDC OR VAC)	18 MAX
BRIDGE RESISTANCE	350 Ω nom.
NONLINEARITY	±0.05% of R.O.
HYSTERESIS	±0.05% of R.O.
NONREPEATABILITY	±0.01% of R.O.
TEMP. SHIFT ZERO	±0.01% of R.O./°F (±0.018 of R.O./°C)
TEMP. SHIFT SPAN	±0.01% of LOAD/°F (±0.018 of LOAD/°C)
COMPENSATED TEMP.	60 to 160 °F (16 to 71 °C)
OPERATING TEMP	0 to 160 °F (-18 to 71 °C)
WEIGHT (approx)	0.5 lb [226.8 g]
MATERIAL	Aluminum

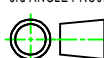
 MATERIAL Aluminum
 CABLE: #26 Awg 4 Conductor Foil Shielded PVC Cable, 8 in [0.2 m] Long

ITEM#	OVERLOAD PROTECTION	'A'	SAFE OVERLOAD
QSH01821	YES	0	150 lb [667N]
QSH01818	NO	1.74 [44.2]	90 lb [400 N]

A	7-19-10
B	3-01-11
C	2-08-13
D	8-17-15
E	12-21-15

ALL DIMENSIONS ARE IN INCHES
DRAWING INTERPRETATION DIMS. PER ASME-Y14.5M
REMOVE BURRS AND BREAK SHARP EDGES .005 - .015
THREADS PER HANDBOOK H-28
DIMENSIONS ARE SHOWN AFTER PLATING

TOLERANCE:
 $.X \pm 0.1"$
 $.XX \pm 0.01"$
 $.XXX \pm 0.005"$



FUTEK

This drawing, including all information depicted herein (collectively, "Drawing"), is FUTEK's property and protected under applicable law, including copyright. FUTEK reserves all rights. The Drawing is provided solely for your information and exclusive use. **Except as expressly approved by FUTEK in writing, you may not reproduce or share this Drawing** in whole or part, with any other firm or individual, or attempt to reverse engineer the Drawing or data contained therein. Any reproduction of this Drawing in whole or part must include this legend.

CAGE: 1X8M6 SHEET: 1 OF 1