

Loadcell Model 2250

Product Specification



For use in: loremipsumdolorsitamet

PROUDLY AUSTRALIAN



www.elph.com.au

Assembly Numbers

29/BBB2250VB Loadcell

Structural Configuration

Double ended, rigid-mount bending beam
Compression loading

Bare Weight

21kg

Static Capacity

24,000kg

Dynamic Capacity

16,000kg

Safe Overload

150% of Static Capacity

Ultimate Overload

Minimum of 300% of Static Capacity

Loadcell Body Material

ASTM 514 Steel

Mounting Plate

21/122067 Pedestal Plate 20mm G250

Top Mounting Bolts()

7/8"-14TPI x (Length depending on mountings) Grade 8

Tie Down Bolts()

90/983016 1"-14TPI x 3" Grade 8

Connector

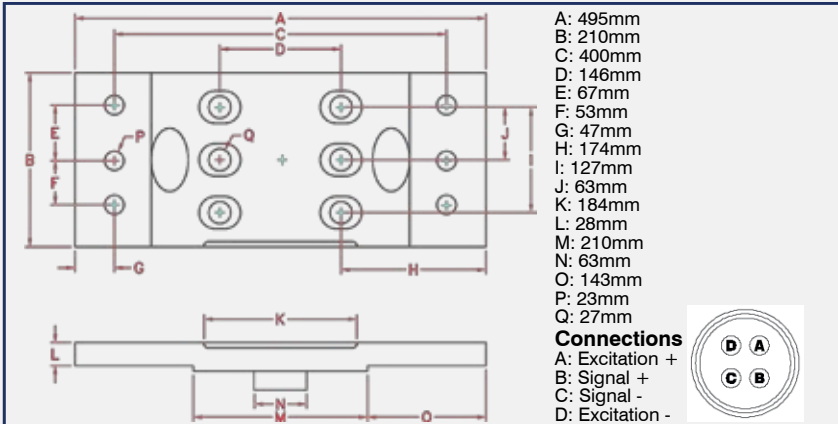
4 pin Military style, injection moulded

Cable

Custom 4 core with polyurethane jacket

Electrical

Excitation: 15 volts (AC or DC)
5-10 volts recommended
Output: 0.5.mv/v @ 12,600kg
Impedence: 350Ω +/- 1.0Ω
Isolation: 500MΩ at 50 volts



Mounting Requirements

Top Plate must be dead stiff and machined flat after welding.
 Bottom Mounting must be dead stiff.
 Refer to Elphinstone for detail to suit specific applications

Capacity

Maximum Dynamic Load	16,000kg (35,200 lb)
Maximum Static Load	24,000 kg (53,900 lb)

Bolt Tensions

7/8" Top mounting bolts = 600Nm(600ft/lb)
 1" End mounting bolt = 945Nm(700ft/lb)
 Coat all bolts with anti-seize

Precautions

Do not strike an Arc on the loadcell body with a welder. It is OK to use the loadcell to position the Mounting Bushes for tack welding only. Remove the loadcell to complete the welding procedure.
 Do not damage the cover plate as this protects delicate strain gauges.
 Take care to protect the loadcell connector/cable as this can not be replaced in the field.
 Fit protection for the loadcell connector from stones and foreign objects which may damage it.
 Do not damage or paint over the Part/Serial Number identification tag.

IMPORTANT

Loadcell must be mounted in accordance with Elphinstone instructions. Failure to do so may void warranty. Specifications subject to change without notice. These specifications supercede all previous specifications as of October 2006.

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