

Loadcell Model 0025

Product Specification



For use in: Trailing Fertiliser Spreaders, Hitch Drawn Trailers and
Special Applications

PROUDLY AUSTRALIAN



www.elph.com.au

0025 Specification

Loadcell Model: 29/APB0025VB

Assembly Numbers

29/APB0025EB Loadcell only

Structural Configuration

Single ended, rigid-mount bending pin

Compression loading

Bare Weight

9.8kg

Static Capacity

6000kg

Dynamic Capacity

4,500kg

Safe Overload

100% of Static Capacity

Ultimate Overload

Minimum of 200% of Static Capacity

Loadcell Body Material

4340 alloy steel, heat treated to 180,000psi yield strength

Frame Mounting Bolt

90/886012 ¾"-16TPI x6" Grade 8

Recommended torque: 470Nm(350ft/lb)

Front Bolt

90/986016 1"-14TPI x6" Grade 8

Recommended torque: 1080Nm(800ft/lb)

Connector

4 pin Military style, injection moulded

Cable

Custom 4 core with polyurethane jacket and flexible armoured jacket

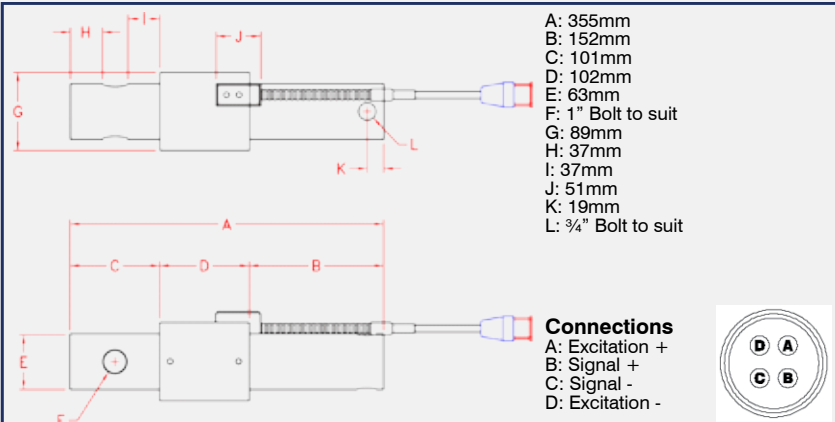
Electrical

Excitation: 15 volts (AC or DC)
5-10 volts recommended

Output: 0.5.mv/v @ 5,670kg

Impedence: 350Ω +/- 1.0Ω

Isolation: 500MΩ at 50 volts



Mounting Requirements

21/128572 Rear Mount Bush
 21/128562 Front Mounting Bush
 of Elphinstone Mounting Assemblies

Capacity

Maximum Dynamic Load	4,500kg (10,000lb)
Maximum Static Load	6,000kg (13,200lb)

Bolt Tensions

3/4" Base mounting bolt	540Nm(400ft/lb)
1" End mounting bolt	1080Nm(800ft/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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