

# Kelba Shearbeam Loadcell Model: KA-250N

## General Specifications

Rated Capacity: 250kg  
 Safe Load Limit: 375kg (static)

Construction: Tool steel  
 Protection: Electroless Nickel  
 Cell Weight: 0.4kg

## Electrical

Excitation Voltage: 5 - 15 V.D.C.  
 Output at rated: 2.2mv/V +/- 0.1% capacity

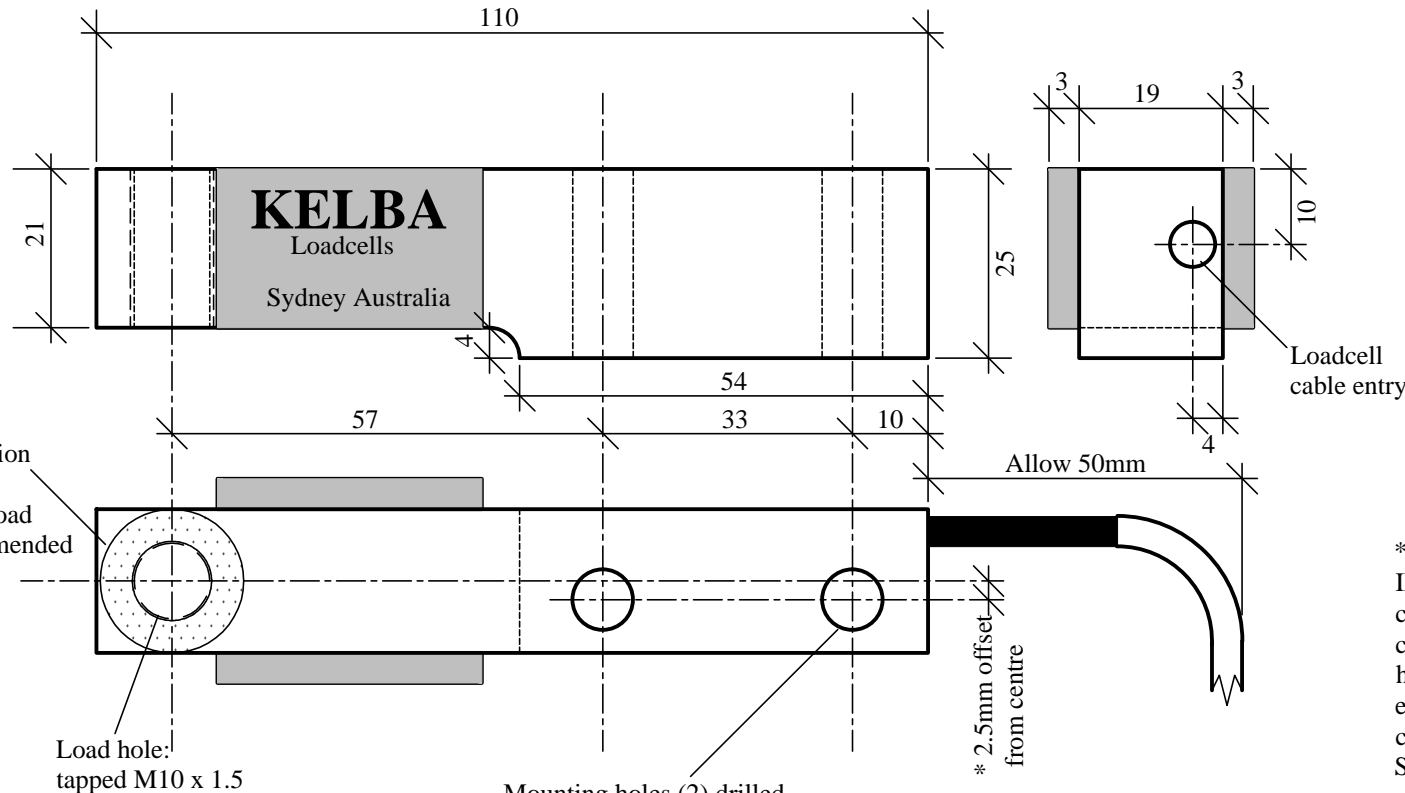
Cable length: 6000mm (std)  
 Input impedance: 380 ohm +/- 6% (black to red)  
 Output impedance: 350ohm +/- 2% (green to white)

Environmental Rating: IP67

\* NOTE: Dielectric strength testing to: IEC 60079 -11:2011, Intrinsic safety "i", clause 6.3.13, 10.3 and therefore classified as "Simple Device" suitable for hazardous and explosive dust environments subject to installation in compliance with the relevant Australian Standards.

## Wiring colour code

Excitation + Red  
 Excitation - Black  
 Signal + Green  
 Signal - White  
 Shield Bare



Shaded section represents maximum load area recommended (19mm)

Load hole: tapped M10 x 1.5

Mounting holes (2) drilled M8 clearance - bolts to be 8.8 grade (min) hi-tensile socket head cap screw or hex. head bolt.  
 Bolt length: Sufficient to ensure a min. of 1.25 x bolt diameter into mounting base plate

\* NOTE: mounting hole centre line is offset 2.5mm from loadcell centre line

Bolt Torque: 22 Nm  
 16.2 ft lb  
 (M8 x 1.25 CLASS 80. Grade to As1110)

## Mounting Accessories

- Rubber Mount - see drg K-043-1
- Load button - see drg KLBM 10

Kelba Australia Pty. Ltd.

Reference		KA-250-N SHEARBEAM LOADCELL			
Date	1-10-2013				
Mod by	Jerome Dagang				
Approved		Drg No.	KA-250-N-1	Rev	5
Scale	NTS			Date	1-10-15