

# Kelba Shearbeam Loadcell Model: KA-2,500N

## General Specifications

Rated Capacity: 2,500kg  
 Safe Load Limit: 3,750kg (static)

Construction: Tool Steel  
 Protection: Electroless Nickel  
 Cell Weight: 2.8kg

## Electrical

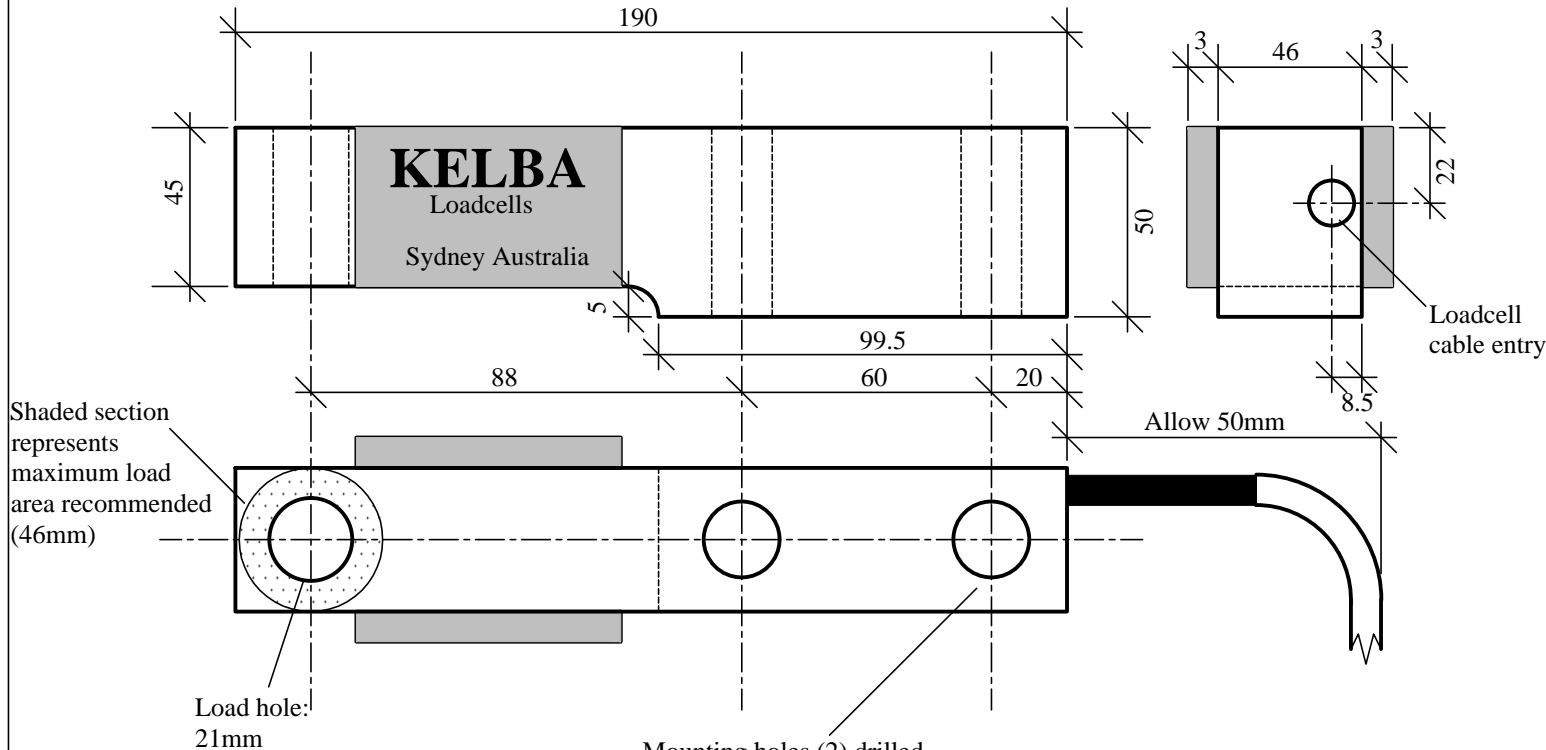
Excitation Voltage: 5 - 15 V.D.C.  
 Output at rated: 2.2mv/V +/- 0.1% capacity  
 Cable length: 6000mm (std)  
 Input impedance: 380 ohm +/- 6% (black to red)  
 Output impedance: 350ohm +/- 2% (green to white)

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 (46mm)

Load hole: 21mm

Mounting holes (2) drilled 21mm - 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

Bolt Torque: 380 Nm  
 280 ft lb  
 (M20 x 1.5 CLASS 8.8 Grade to AS1110)

## Mounting Accessories

- Rubber Mount - see drg K-041
- Adaptor Bracket For K-041 see drg
- Mounting Kit KMA - 2,500 - 7,500 N
- Load Button see drg KLBM-20

Kelba Australia Pty. Ltd.

Reference		KA-2,500-N SHEARBEAM LOADCELL			
Date	11-9-2013				
Mod. by	Jerome Dagang				
Approved		Drg No.	KA-2,500-N-1	Rev	4
Scale	NTS			Date	11-9-2013