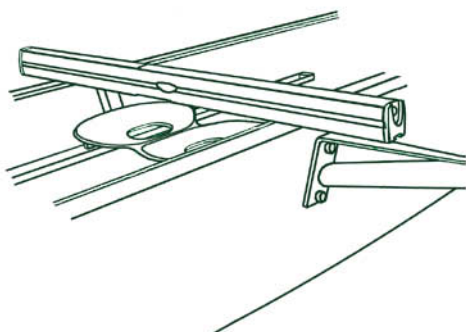




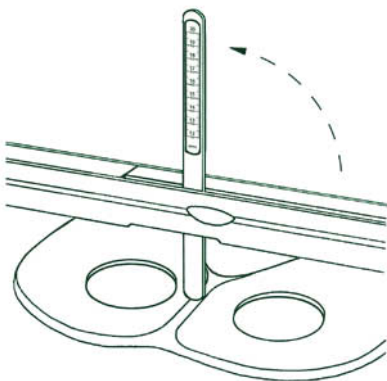
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# Laser Beam Height Gauge User Guide

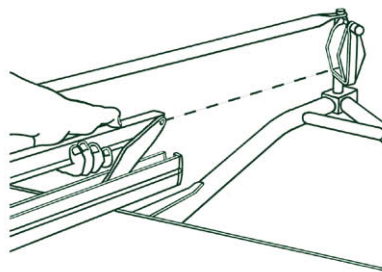
- ① Lay the Laser Beam Height Gauge squarely across the boat roughly in line with the oarlock/swivel to be measured.



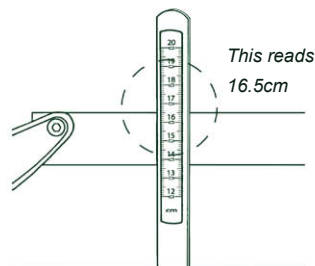
- ② Pivot up the scale until it is vertical and slide it down until it touches the seat.



- ③ Pull up the laser module, press the button, and target the laser beam on the rear face of the oarlock/swivel (this should be angled in towards the centre of the boat by about 45°). Now lower the red spot until it just hits the beginning of the horizontal surface.



- ④ Take a reading off the scale in line with the top surface of the laser module.



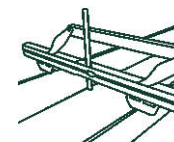
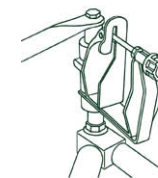
## Settings

Active Tools do not recommend height settings but the following books cover the subject in some detail:

- Steve Redgrave's Complete Book of Rowing
- Nuts & Bolts Guide to Rowing

## Notes

- (a) On sunny days it may be difficult to see the laser spot on the oarlock/swivel so pull out the white laser target and clip it to the oarlock/swivel (in very bright sunlight also cast a shadow onto the oarlock/swivel). The laser spot can then be aligned with the target's bottom edge.
- (b) When the seat of the boat is above the height of the gunnels/saxboards (sometimes the case with sculling boats) attach the optional spacers and proceed as before. Alternatively, lay the height tool across the boat in front of the seat, target the oarlock/swivel as before, and use a tape measure to take a reading from the top of the seat to the shallow grooves on the sides of the laser module casing (marked \* on illustration in instruction 3).



- (c) When the batteries are eventually exhausted replace them with 2 AAA/LR03/24A batteries by removing the rear end cover on the laser module (not the laser end). The new batteries should be fitted with the positive contacts away from the laser end.

## Warning

- ① The unit is fitted with a Class 2 laser module and while this is inherently safe do not stare into the beam.
- ② Removal of the laser end plate will cause laser mis-alignment and also invalidate your warranty.
- ③ If exposed to salt water the gauge must be rinsed off.