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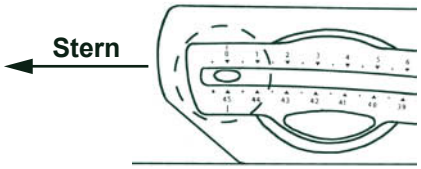
One-Set Pitch Gauge User Guide

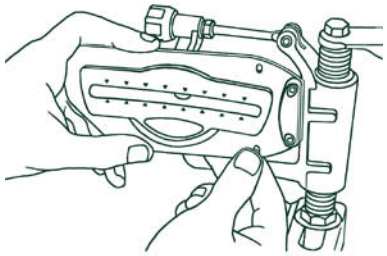
Pitch on oarlocks/swivels

1. Make sure the boat is stable and place the pitch gauge on a horizontal surface of the boat with the angled end pointing towards the stern. This is usually best done on the inside of the bottom of the hull near the centre of the boat, or the edges of the gunnels/saxboards.

2. Rotate the central plate on the Pitch Gauge until the centre of the bubble is on the 0 and 45° line.



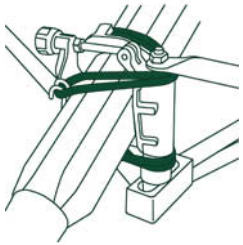
3. To measure the pitch of an oarlock/swivel place the edge of the end block against the face of the oarlock/swivel and note the position of the bubble.



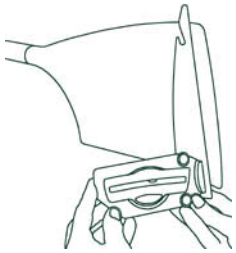
Pitch on blades

1. Attach the Extension to the Pitch Gauge with the Extension pointing upwards and zero the gauge as before.

2. Lock the blade in its oarlock/swivel using the Blade Strap.



3. To measure the pitch of the blade place the edge of the Extension against the face of the blade in the location recommended by the blade manufacturer (see links below) and note the position of the bubble.



Croker - www.crokeroars.com
Dreher - www.durhamboat.com
Dreissigacker - www.concept2.com
Empacher - www.empacher.com
Suttons - www.suttonblades.co.uk

Lateral pitch

1. Remove the oarlock/swivel from the pin to be measured.

2. Make sure boat is stable, in particular from side to side, and place the pitch gauge on a horizontal surface across the boat with the angled end towards the pin to be measured. This is usually best done on the surface the slides mount to.

3. Rotate the central plate on the Pitch Gauge until the centre of the bubble is on the 0 and 45° line.

4. To measure the pitch of the pin place the centre of the end piece against the outside face of the pin and note the position of the bubble.

Foot stretcher angles

1. Zero the gauge in the normal way.

2. Place the 45° angle on the end of the pitch gauge on the footstretcher and note the position of the bubble.

Settings

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

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

Warning

1. Because the unit is fitted with a high accuracy glass vial direct impacts should be avoided. Also the unit must not be subjected to temperatures over 65℃/150℉ (in exceptional circumstances these temperatures could be reached inside a vehicle on a hot sunny day).

2. If exposed to salt water the gauge must be rinsed off.