

iSteer Plough



OPERATION INSTRUCTIONS (English)

Calibration of the iSteer ploughsteering

Requirements:

- +/- 3 meter straight iron bar
- 2 equally thick slats
- 2 glue clamps
- measuring tape

Mounting the bar to plough:

Put the plough on a flat surface.

Clamp the bar to the side-cap of the ploughing element and let the bar extend to the front.



The bar should be mounted exactly parallel to the side-cap of the ploughing element. Because the edge of the share is wider than the side-cap the bar should be mounted with a slat in between.



Measuring the plough:

Adjust the width of the plough to its most narrow position. Measure the distance between the side-cap and the second slat which is clamped to the bar.



Convert the measured width to the total ploughing width. This should be done by dividing the measured width by the number of measured elements. The result should be multiplied with the total number of elements.

Example of a 3 element plough:

Adjust the plow to its minimum width.

Measure the cutting width of 2 elements.

To calculate the total ploughing width the measured width is divided by 2 and multiplied by 3. If the measured distance for instance is 58 cm the minimum total ploughing width is:
 $58 / 2 \times 3 = 87 \text{ cm}.$

Measure and calculate the maximum ploughing width in the same way.

If the plough has 4 element or more it is recommended to measure the distance between at least 3 elements.



Significance of accurate measurement:

The effect of not accurate measurement is that the plough will plough wider or narrower than the computer thinks it does. This will make that the tractor always will drive besides its line on the screen. For the quality of work it does not matter but it looks strange for the driver.