

## Using the Weems Compact Parallel Plotter

This plotter will measure courses and bearings on any chart and contains special scales for measuring distances in Nautical Miles on National Ocean Survey, Coast & Harbor Charts. For convenience, an inch scale is also included.

The roller enables the user to obtain parallel motion by simply rolling the Plotter across the chart, eliminating the awkward movement of walking parallel rules across the chart to a compass rose or the necessity of carefully aligning a protractor in a North and South position. As it is unnecessary to use the printed compass rose on the chart, this plotter is very convenient for use on a small plotting table.

To determine the course between two points, place the plotter on the chart with the straight edge along the desired course. Then simply roll the plotter (generally only a few inches) to a position where the center point of the compass rose will be on any meridian (for predominately North and South courses) and read the course at the point on the compass rose that lies on the meridian. Both the course and its reciprocal are shown.

To lay down a known course or bearing towards or away from a point on the chart, you simply reverse the above process. Lay the plotter on the chart with both the center point of the compass rose and the desired bearing on the meridian. Roll the plotter until the straight edge passes through the bearing point and draw a line along the straight edge.

To measure distances, place the "0" on the plotter over the starting point and read distances in nautical miles and tenths of miles on the chart. (NOTE: The series of charts for which this plotter is designed are on a mercator projection: Therefore, theoretically a constant scale cannot be used to measure distance. For all practical purposes, however, on a large scale chart of this type covering a small area the constant scales on the plotter will be correct).

**Weems & Plath®**

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