

Placing Scale Markers

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There are times when you will need to set up a file for a presentation. Whether it's a slideshow or sending over the web and you will need to be able to display any relevant Measurement Info. For instance, if you have established a Measurement Scale you will need to display that info in your image in the form of a Scale Marker. This visually depicts the unit of measure graphically so your viewers can understand the scale of the image.

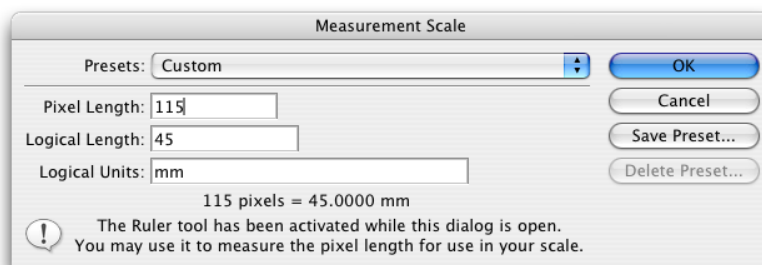
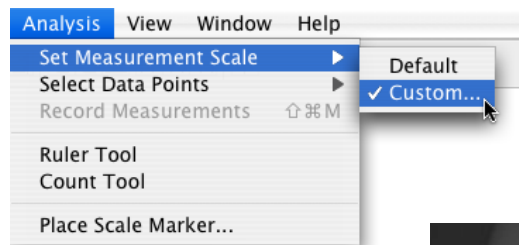
STEP ONE: Here we have a simple x-ray of a hand. We need to first establish a Measurement Scale. Then create a Scale Marker based on that scale unit.



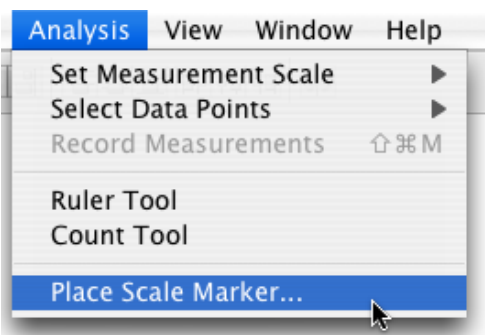
STEP TWO: Go under the Analysis menu and go to Set Measurement Scale and select Custom.

The Measurement Scale window will open. This will activate the Ruler tool automatically. Go into the document and drag from the endpoint of an object to the other.

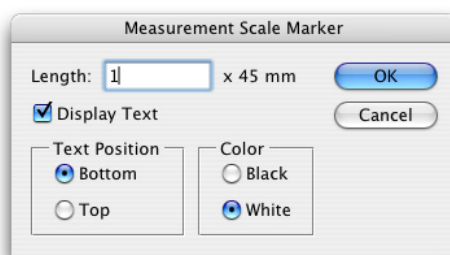
In the Measurement Scale window the Pixel Length indicates the distance measured in pixels. Assuming we know this bone is 45 mm in length, enter 45 for the Logical Length and mm for the Logical Units.



STEP THREE: With the Measurement Scale set let's create the Scale Marker. Go under the Analysis menu once more and choose Place Scale Marker.

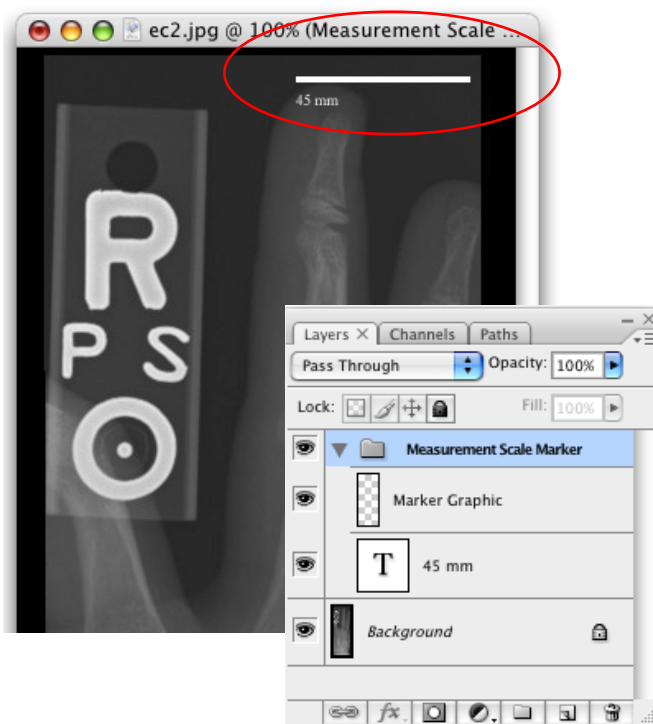


STEP FOUR: We want to illustrate what 45mm looks like. So enter 1 for the length. You can also choose whether or not to Display text. Which is simply a label for the unit of measure. You can choose to display either above or below the scale line whether to make it black or white. This will depend on your image of course. This one here is very dark so I have set it to be white.

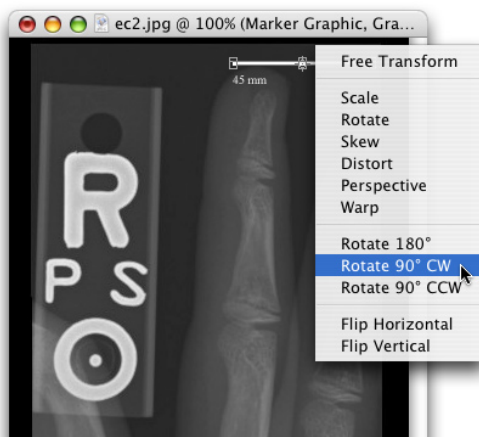
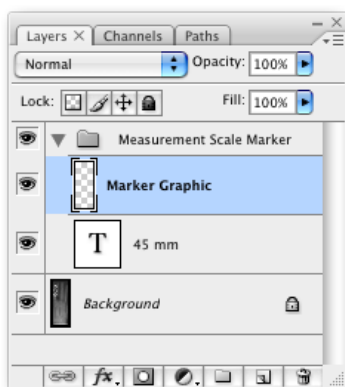


STEP FIVE: You can see it creates a graphic representative of 45 mm and has provided a label for it. Also, notice in the layers panel the Scale Marker resides on its own layer inside a Layer Group. Letting you freely place the Scale marker anywhere on the image. Not only that, you can change the orientation.

Notice also that the Scale Marker is placed horizontally. Well, the x-ray here is clearly vertical, and it would be better represented if the Scale Marker was vertical as well. So with it on its own layer, it's really quite simple.



STEP SIX: Highlight the layer called Marker Graphic in the layers panel. Then Press Command-T [PC:Ctrl-T] to bring the Free Transform box. Right-Click or Ctrl-Click directly on the object and in the sub-menu, choose Rotate 90 Degrees CW. This will make the object vertical. Then just reposition the object with the Move tool and then reposition the text. Then select the Layer group as a whole and reposition in the overall document if necessary.



Now you have a Scale Marker for reference or for other users to use to establish their own Measurement Scales.

