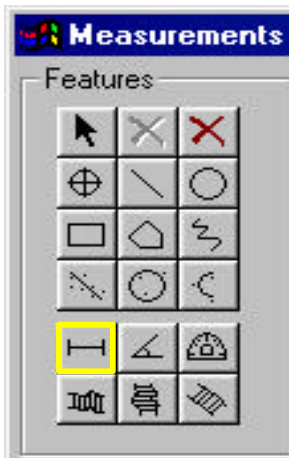
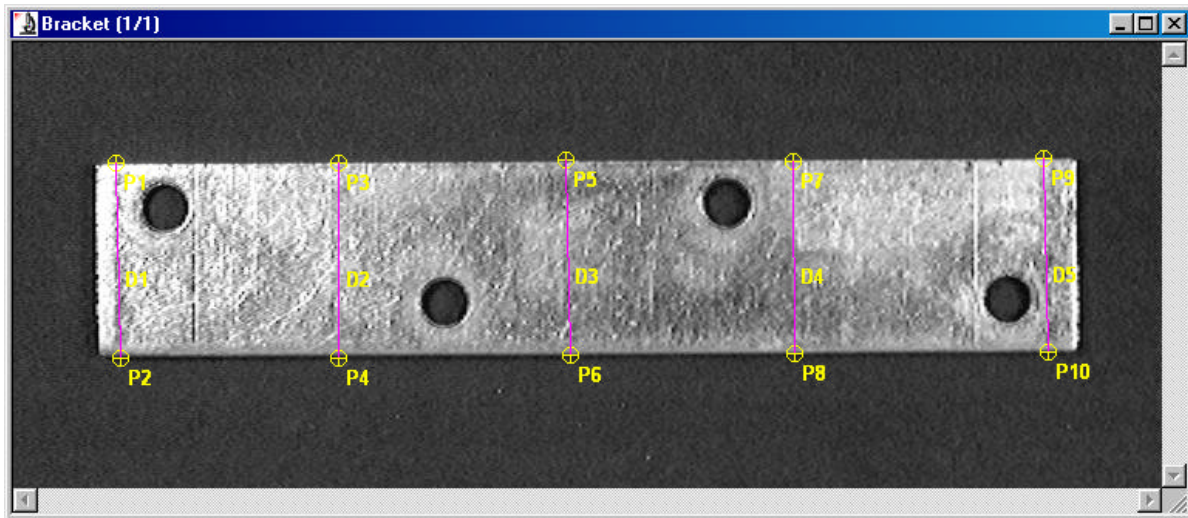


Basic Measurements



Image-Pro has several manual tools that are useful for obtaining individual measurements. You can define specific features to measure or obtain measurements between features, such as straight-line length, thickness, or angles. The Best-fit tool (for lines, circles, or arcs) will also create a feature that best-fits selected points in the image.

Point: This tool was used to create several point features on the image of a metal bracket.



Distance Measurement:
This tool was used next to measure the distance between the user-selected point features.

11	D1	127.0354
12	D2	127
13	D3	127.0354
14	D4	125.0040
15	D5	126.0357

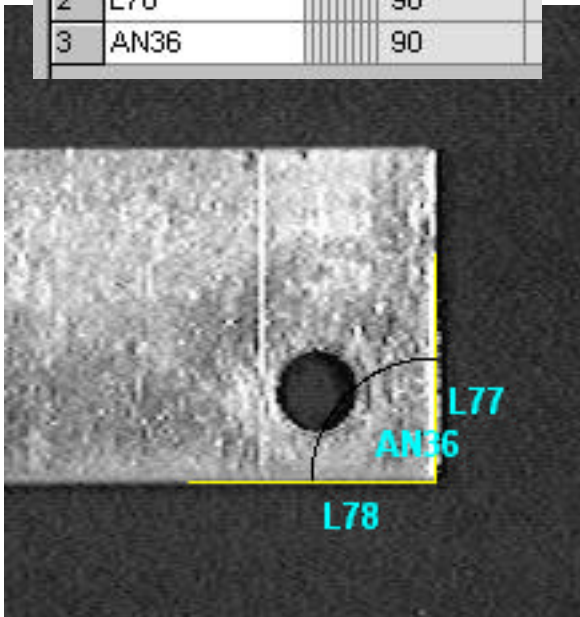
	Statistic	Ctr-to-Ctr Dist.
1	Min. Val.	125.0040
2	Max. Val.	127.0354
3	Range	2.031428
4	Mean	126.4221
5	Std. Dev	.8058060
6	Sum	632.1106
7	No. of Sample	5



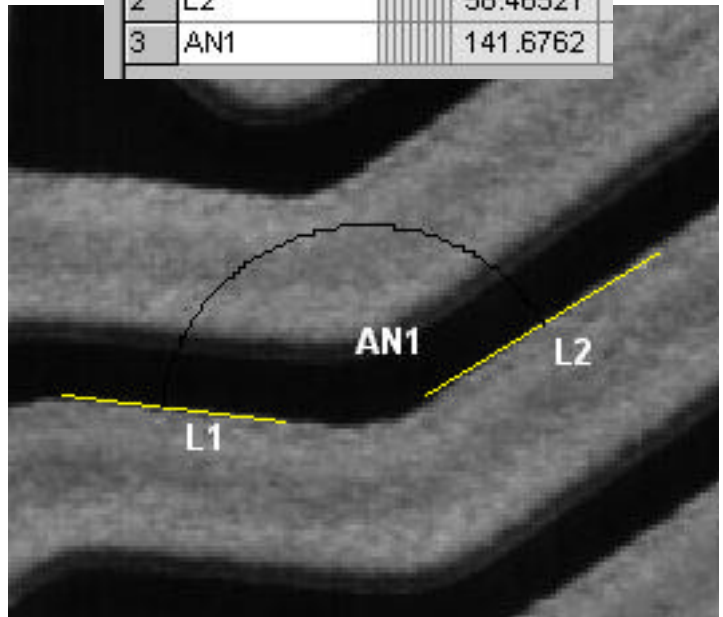
When choosing any of the Measurement Tools, the next user action is prompted by a dialog box. Measurements using the Angle Tools are accomplished by simply creating two lines or by using two existing lines.



	Features	Angle
1	L77	180
2	L78	90
3	AN36	90



	Features	Angle
1	L1	96.78897
2	L2	58.46521
3	AN1	141.6762



The two zoomed images of the holes in the bracket are used to illustrate the Best-Fit Circle Tool. The user is able to specify how many points to use to define the feature. Here 3 points were identified along the edge of the hole and the best-fit circle was automatically drawn.

