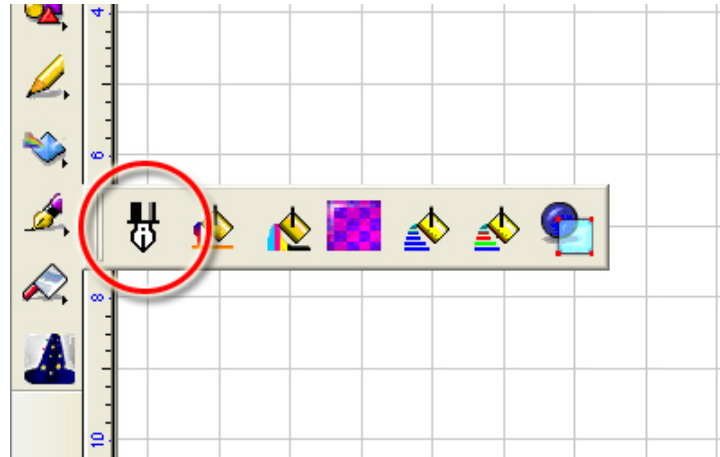


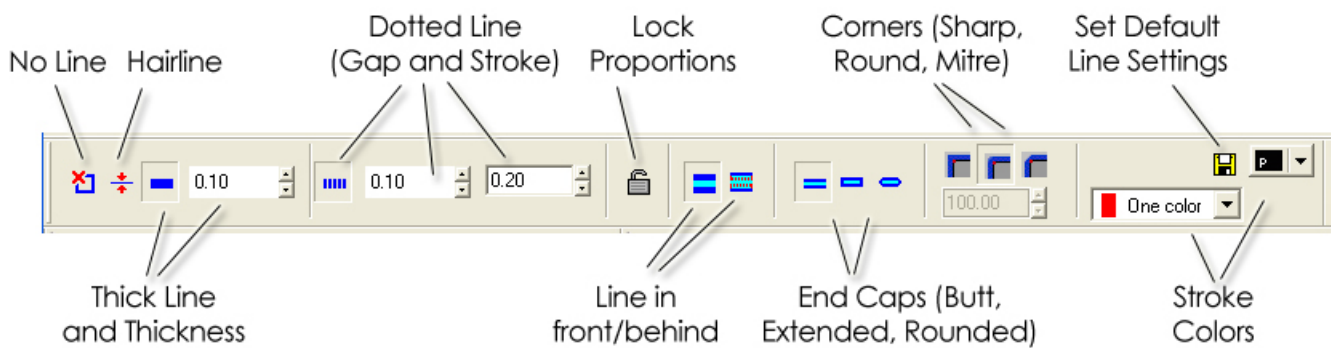
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Adding a Stroke




1. To add a line style to a selected shape, choose Line Style from the Stroke and Fill Tools flyout.



2. The SmartBar controls will appear similar to the following:



3. The line style is selected at the far-left of the SmartBar, as follows:

Button	Line Style	Comment
	No line	Removes any previously applied line style.
	Hairline	Creates a 1-pixel wide line. This line cannot be cut, but it may be applied as a line stroke.
	Thick Line	This is initially zero, so the line will not be visible until the Thickness field is incremented.

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Dotted Line Style

When creating a thick line style, one of the options is to form a dotted line pattern.

1. Select a shape and choose Stroke and Fill Tools flyout >> Line Style.
2. Click the Thick Line button.
3. Click the Dotted Line button.
4. Set the Gap and Stroke fields to define the appearance of the dotted line.
 - a. Gap field - The empty space between strokes.
 - b. Stroke field - The length of each stroke.

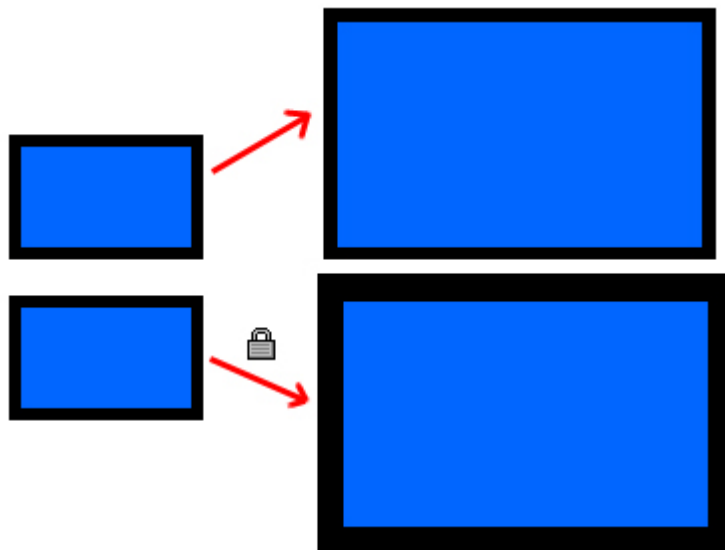
Note: If either the Gap or Stroke is zero, then the line will remain solid.

Lock Proportions

If the Lock Proportions option is enabled, then scaling the shape will cause the stroke thickness to be scaled in proportion.





For example, the following two rectangles have been scaled by 200%. However, the second shape has a stroke with Lock Proportions enabled, such that its stroke has also been scaled by 200%.



Line Above

By default, a thick line will actually overlap the contour of the shape. If the Line In Front option is enabled, then the line style will partially obscure the shape. Alternatively, the Line Behind option will cause the line style to be partially obscured by the shape.

	Line In Front	The line style will appear as if it were above the shape.
	Line Behind	The line style will appear as if it were below the shape.






Star with line behind the shape.



Star with line in front. Note that the star shape is partially obscured by the line style.

End Styles




There are three different line styles, which are used to modify the termination of open paths:

	Butt End Cap	The line style will extend only to the end of the open path.
	Extended End Cap	Create square end caps as terminators for an open path.
	Round End Cap	Perform rounding of open paths.

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Corner Styles

There are three corner styles:

	Sharp Corner	Corners retain sharp angles as per the base object.
	Round Corner	Corners are rounded.
	Miter Corner	For a sharp corner of the original object, the corner formed by the line style may be quite steep. Use the Miter Amount to clip the line style according to a percentage of the line thickness.



Star with line behind the shape.
The Miter Amount has been set
to 100% of the line thickness.