| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/Stroke.html) | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-files/index-1.html) | [**Help**](http://docs.google.com/help-doc.html) | | --- | --- | --- | --- | --- | --- | --- | --- | | | ***Java™ Platform***  ***Standard Ed. 6*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| [**PREV CLASS**](http://docs.google.com/java/awt/SplashScreen.html)   [**NEXT CLASS**](http://docs.google.com/java/awt/SystemColor.html) | [**FRAMES**](http://docs.google.com/index.html?java/awt/Stroke.html)    [**NO FRAMES**](http://docs.google.com/Stroke.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | CONSTR | [METHOD](#3znysh7) | DETAIL: FIELD | CONSTR | [METHOD](#2et92p0) |

## **java.awt**

Interface Stroke

**All Known Implementing Classes:** [BasicStroke](http://docs.google.com/java/awt/BasicStroke.html)

public interface **Stroke**

The Stroke interface allows a [Graphics2D](http://docs.google.com/java/awt/Graphics2D.html) object to obtain a [Shape](http://docs.google.com/java/awt/Shape.html) that is the decorated outline, or stylistic representation of the outline, of the specified Shape. Stroking a Shape is like tracing its outline with a marking pen of the appropriate size and shape. The area where the pen would place ink is the area enclosed by the outline Shape.

The methods of the Graphics2D interface that use the outline Shape returned by a Stroke object include draw and any other methods that are implemented in terms of that method, such as drawLine, drawRect, drawRoundRect, drawOval, drawArc, drawPolyline, and drawPolygon.

The objects of the classes implementing Stroke must be read-only because Graphics2D does not clone these objects either when they are set as an attribute with the setStroke method or when the Graphics2D object is itself cloned. If a Stroke object is modified after it is set in the Graphics2D context then the behavior of subsequent rendering would be undefined.

**See Also:**[BasicStroke](http://docs.google.com/java/awt/BasicStroke.html), [Graphics2D.setStroke(java.awt.Stroke)](http://docs.google.com/java/awt/Graphics2D.html#setStroke(java.awt.Stroke))

| **Method Summary** | |
| --- | --- |
| [Shape](http://docs.google.com/java/awt/Shape.html) | [**createStrokedShape**](http://docs.google.com/java/awt/Stroke.html#createStrokedShape(java.awt.Shape))([Shape](http://docs.google.com/java/awt/Shape.html) p)            Returns an outline Shape which encloses the area that should be painted when the Shape is stroked according to the rules defined by the object implementing the Stroke interface. |

| **Method Detail** |
| --- |

### createStrokedShape

[Shape](http://docs.google.com/java/awt/Shape.html) **createStrokedShape**([Shape](http://docs.google.com/java/awt/Shape.html) p)

Returns an outline Shape which encloses the area that should be painted when the Shape is stroked according to the rules defined by the object implementing the Stroke interface.

**Parameters:**p - a Shape to be stroked **Returns:**the stroked outline Shape.

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/Stroke.html) | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-files/index-1.html) | [**Help**](http://docs.google.com/help-doc.html) | | --- | --- | --- | --- | --- | --- | --- | --- | | | ***Java™ Platform***  ***Standard Ed. 6*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| [**PREV CLASS**](http://docs.google.com/java/awt/SplashScreen.html)   [**NEXT CLASS**](http://docs.google.com/java/awt/SystemColor.html) | [**FRAMES**](http://docs.google.com/index.html?java/awt/Stroke.html)    [**NO FRAMES**](http://docs.google.com/Stroke.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | CONSTR | [METHOD](#3znysh7) | DETAIL: FIELD | CONSTR | [METHOD](#2et92p0) |

[Submit a bug or feature](http://bugs.sun.com/services/bugreport/index.jsp)

For further API reference and developer documentation, see [Java SE Developer Documentation](http://docs.google.com/webnotes/devdocs-vs-specs.html). That documentation contains more detailed, developer-targeted descriptions, with conceptual overviews, definitions of terms, workarounds, and working code examples.

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