



Logospruce

The Manual Tracing Plug-in for Adobe® Illustrator®

Version 1.2

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Table of Contents

Introducing LogoSpruce	1
Registering LogoSpruce	1
System Requirements	2
Installing LogoSpruce	2
Unlocking your copy	4
Any Questions? Ask here.	4
Overview of LogoSpruce Tools and Menus	5
New Menu Options	5
New Tools	5
Tracing Tools	6
Drawing Tools	6
Trimming Tools	6
One Touch Guide Tools	7
Other Tools	8
Using the Auto Guides	9
Using the Tracing Tools	10
Using the Drawing Tools	12
Using the Trimming Tools	13
Using the One Touch Guides	14
Everything Else (Raster Rotation Tool and Arc Fillet Tool)	15
Registration Card	16

Introducing LogoSpruce

Thank you for purchasing LogoSpruce, the premier collection of manual tracing tools for Adobe® Illustrator®.

Perhaps the first question you may ask is “Why should I manually trace anything? With so many auto-tracing tools available, why not use them?” When a sign-maker first suggested this software to us, we thought the same thing, and pestered him with questions. Auto-trace works wonders, he clarified, if you’re starting with a nice, clean image. But, if you’re trying to trace a smudged, faxed, and/or scanned logo, auto-tracing produces an image too rough to immediately use. So, he said, he spends hours editing many of his customers’ logos by hand. In the end, he wondered, wouldn’t it be faster to just do the job manually from the beginning?

Well, we decided to accept his challenge and create a set of manual tracing tools. (Besides, he said he would buy a copy, if it were any good.) After a few months (and more than a small dose of his practical wisdom), we showed him our finished tools.

And he liked them. We hope you do too.

—The LogoSpruce team

Please make sure you have the following:

- Quick Start Guide
- Installation CD
- End User License Agreement

The LogoSpruce User Manual is included on the installation CD-ROM in PDF format. In order to read it, you will need Adobe’s free Acrobat Reader. (If you do not already have a copy, it is available in the Acrobat folder on the CD or from Adobe’s web site: <http://www.adobe.com>)

Registering your copy of LogoSpruce

Please fill out the user registration card on page and send it to our technical support staff by fax or email. Alternately, visit our web site at <http://www.comnet-network.co.jp/eng/register/> and register on-line. By registering your copy of LogoSpruce, you are entitled to free technical support. We will also notify you of upgrades as they are released. If you do not register your software, we cannot guarantee a prompt response to your questions.

System Requirements

Macintosh

- Adobe Illustrator 7.0 - 9.0
- Mac Classic OS 8.0 or later
- Power Macintosh or compatible
- RAM sufficient to run Illustrator
- CD-ROM drive

Windows

- Adobe Illustrator 7.0 or later
- Microsoft Windows 95/98, ME, Windows NT, 2000 or XP
- Intel Pentium or faster processor
- RAM sufficient to run Illustrator
- CD-ROM drive

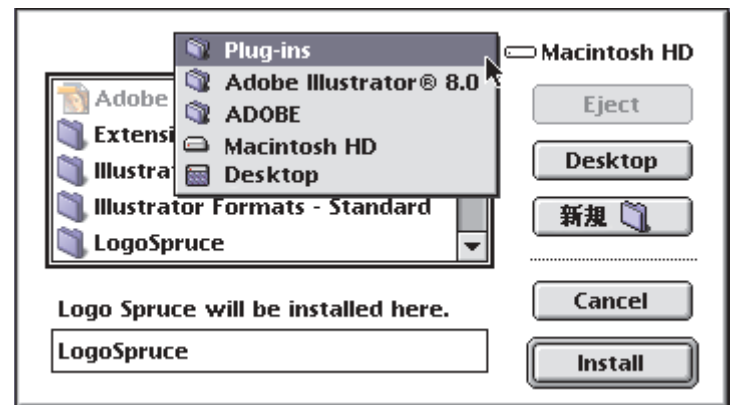
Installing LogoSpruce

Installing LogoSpruce is like installing any other software, with one exception. Since LogoSpruce works in conjunction with Illustrator, it must be installed in Illustrator's plug-ins folder. For more information about Illustrator plug-ins and how to change the plug-ins folders, please see the Illustrator User Guide.

Most of the time, however, the plug-ins folder is in the default location. If you do not think you have changed its location, please follow the instructions below to install LogoSpruce.

On the Macintosh (Windows users: see page 3)

1. Insert the installation CD into your CD ROM drive.
2. Double click on the CD labeled LogoSpruce. It should appear on your desktop automatically.
3. By double clicking on the LogoSpruce Installer icon, launch the LogoSpruce installation program.
4. Please follow the installation instructions as they appear on your screen. When you are asked to assign an installation directory, please choose the Illustrator's plug-ins directory.
5. For example, please see the figure on the right.
6. After finishing the installation, the next time you start Illustrator, you will be asked to unlock your copy of LogoSpruce. Instructions are on page 4.

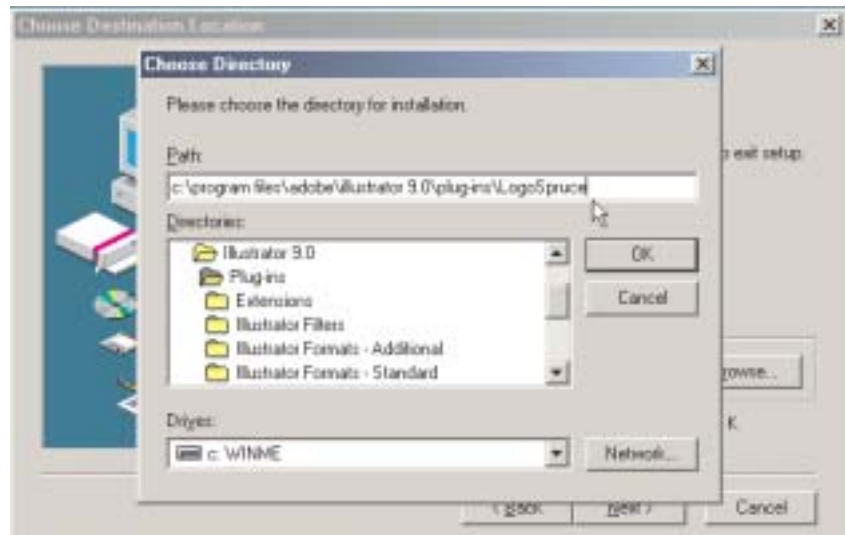


On Windows

1. Insert the installation CD into your CD ROM drive.
2. Double click on the My Computer icon.
3. In the next window, you should see a CD ROM icon labeled LogoSpruce. By double clicking on it, you will find a “Setup.exe” program. Double click that program to start the installation.
4. Please follow the installation instructions as they appear on your screen. When you are asked to assign an installation directory, please click “Browse” to choose Illustrator’s plug-ins directory.



5. For an example Installation directory, please see the figure below.
6. After finishing the installation, you will be asked to restart your computer. The next time Illustrator is started, you will be prompted to unlock your copy of LogoSpruce. For help, please see the instructions on the next page.



Unlocking your copy of LogoSpruce

The first time you launch Illustrator after installing LogoSpruce, you will be prompted for your registration code. This code can be found on the Quick Start Guide included in your LogoSpruce package. Please be sure to enter your user name and password exactly as it appears on the paper.

If you purchased your copy of LogoSpruce on-line, your key will be mailed to you by your software vendor. If you do not receive a key, or have any questions they cannot answer, please contact us at register@comnet-network.co.jp.

After you have entered your user name and password, click register. Once you have successfully entered your registration code, LogoSpruce's tools and menus will appear in Illustrator.

Happy tracing!

Questions? Ask here.

If you have any technical questions about this product after purchase (could not be installed, the installation CD is defective, or you'd like help using LogoSpruce), please let our technical support staff know by sending us an email at support@comnet-network.co.jp. We promise to respond to registered users questions by the next business day.

If you have any questions about your registration code, please contact us at register@comnet-network.co.jp. In your email, please let us know where you purchased LogoSpruce.

Information about software upgrades, user tips, and other information can be found on the Comnet web site: <http://www.comnet-network.co.jp>

Overview of LogoSpruce's Tools and Menus

After installing LogoSpruce, you will discover new tools and menu options in Illustrator. This next section provides a brief description of LogoSpruce's menus and tools.

New Menu Items

In the View Menu

Three functions -- "Auto Guide (Display)", "Auto Guide (Object)" and "Erase One-Touch Guide" -- are added to the View menu.

View	Window	Help
Artwork		Ctrl+Y
Preview Selection		Ctrl+Shift+Y
Zoom In		Ctrl++
Zoom Out		Ctrl+-
Fit In Window		Ctrl+0
Actual Size		Ctrl+1
Hide Edges		Ctrl+H
Hide Page Tiling		
Hide Template		Ctrl+Shift+W
Show Rulers		Ctrl+R
Hide Guides		Ctrl+;
✓ Lock Guides		Ctrl+Alt+;
Auto guide (Artboard)		Ctrl+Shift+D
✓ Auto guide (Object)		Ctrl+Shift+X
Erase one touch guides		Ctrl+Shift+K
Make Guides		Ctrl+5
Release Guides		Ctrl+Alt+5
Clear Guides		
Show Grid		Ctrl+''
Snap To Grid		Ctrl+Shift+''
✓ Snap To Point		Ctrl+Alt+''
Smart Guides		Ctrl+U
New View...		
Edit Views...		

Auto Guides

Each of the trace tools in LogoSpruce has optional Auto Guides. Auto Guides identify useful points (like end points, midpoints or intersections), and useful directions (like the tangent, 90 degree, or 45 degree). There are also Auto Guides for the artboard. They identify the horizontal, vertical and 45 degree directions with respect to the artboard. Each trace tool can use one or both of the Auto Guides. For more details, please see page 9.

One-Touch Guides

Guides in half the time: Use the One-Touch Guide tools to quickly and accurately place guide objects. The "Erase One-Touch Guide" command deletes all guides created with the One-Touch Guide tools.

In the Window Menu

"Set Fillet Radius" is added to the Window menu. By selecting Window > Set Fillet Radius, you can enter a numerical value for the Fillet radius.

New Tools

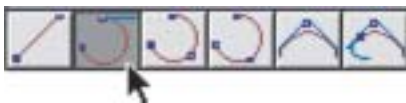
LogoSpruce also adds various tools such as tracing tools, drawing tools, and guide tools to Illustrator's Toolbox

Tracing tools



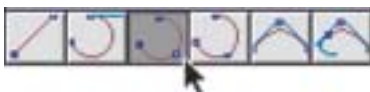
Line Trace Tool

Use this tool to create straight lines.



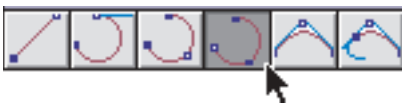
Tangent Arc Trace Tool

Use this tool to create an arc tangent to the previously drawn path. By clicking and dragging, you can adjust the radius and length of the arc.



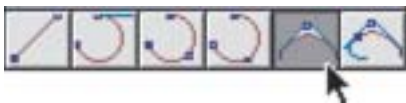
3-Point Arc Trace Tool (S, E, M)

Use this tool to create an arc by specifying a starting point, ending point, and midpoint, in that order.



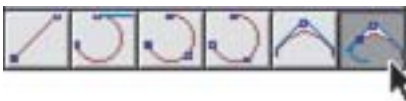
3-Point Arc Trace Tool (S, M, E)

Use this tool to create an arc by specifying a starting point, midpoint, and ending point, in that order.



Bezier Trace Tool

Use this tool to create a Bezier curve by specifying a starting point, ending point, and an apex connecting these two points.



Tangent Bezier Trace Tool

Use this tool to create a Bezier curve tangent to the previously drawn path by specifying a starting point, ending point, and a connecting apex.

For more information about LogoSpruce's trace tools, see page 10.

Drawing Tools



Boxed Ellipse

Draw an ellipse with a guide illustrating the ellipse's bounds.



Inclined Ellipse Tool

Use this tool to create an inclined ellipse.



2-Point Circle Tool

Use this tool to create a circle between 2 user-defined points.

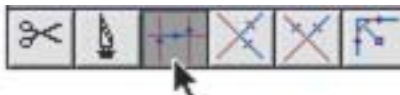


Inclined Rectangle Tool

Use this tool to create an inclined rectangle.

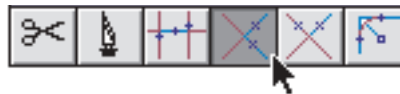
For descriptions and examples of how to use LogoSpruce's Drawing tools, please see page 12.

Trimming Tools



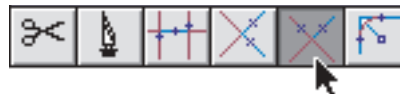
2-Point Cut Tool

Use this tool to cut (delete) the area between 2 user-defined paths.



X Trimming Tool

Use this tool to shorten the path segments of a user-specified corner.



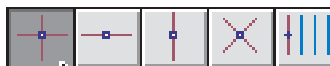
T Trimming Tool

Use this tool to shorten a line segment intersecting a user-specified line segment.

For descriptions and examples of how to use LogoSpruce's Trimming tools, please see page 13.

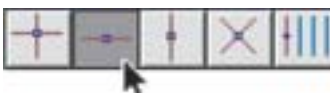
One-Touch Guide Tools

With a click of the mouse, use these tools to easily create ruler-style guides.



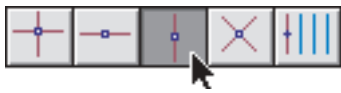
Cross One-Touch Guide Tool

Use this tool to create a cross-shaped guide with one touch of the mouse.



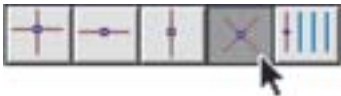
Horizontal One-Touch Guide Tool

Use this tool to create a horizontal guide with one touch.



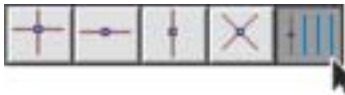
Vertical One-Touch Guide Tool

Use this tool to create a vertical guide with one touch.



Tangent Line One-Touch Guide Tool

Using this tool, create guides tangent to the path of your choice.



One-Touch Guide Copy Tool

Use this tool to easily copy guides created with any of the One-Touch Guide tools.

For suggestions how to use the one touch guides, please see page 14.

Other Tools

LogoSpruce also has other tools useful for tracing.



Fillet Tool

With this tool, round corners of rectangles or other polygons.



Raster Image Rotation Tool

Use this tool to align a raster image for tracing.

For descriptions and examples of how to use these tools, please see page 15.

Using Auto Guides

LogoSpruce's tracing tools have "snap-to" Auto Guides, to assist you in tracing images. The Auto Guides identify various directions, such as perpendicular or 45 degree directions, and useful points on an object, such as midpoints, tangent points and endpoints.

When the Auto Guides are activated, the cursor changes to show when your mouse is in the corresponding position. In Figure 1 you can see all of the possible directional Auto Guides for an object.

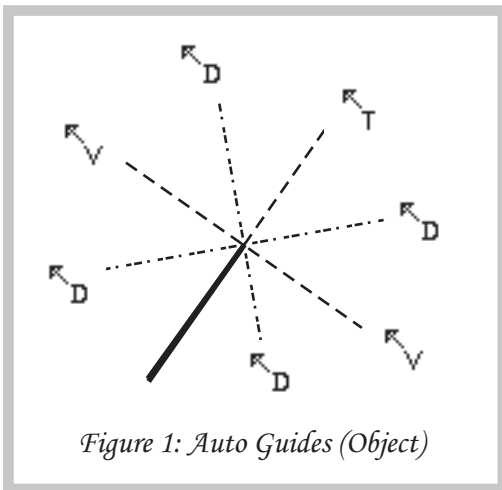


Figure 1: Auto Guides (Object)

Activate the Auto Guides by selecting View > Auto Guides (Object). Alternately, select View > Auto Guides (Artboard) to activate Auto Guides with respect to the artboard. It is possible to use both types of Auto Guides at the same time.

The Auto Guide cursors

Auto Guides for Objects and Paths



End Point

Indicates the end point of a line segment.



Midpoint

Displayed when the cursor is over the midpoint of a straight path segment.



Tangent Line

Indicates that the cursor path position is in the tangent line direction with respect to the immediately preceding path segment.



45° Direction

Indicates that the cursor path position is in the direction 45° from the immediately preceding path segment.



90° Direction

Indicates that the cursor path position is in the direction 90° from the immediately preceding path segment.



Intersection with Path

Indicates that the cursor position is over a path segment.

Auto Guides for the Artboard



45° Direction

Indicates the cursor path is at a 45 degree angle with respect to the artboard.



Horizontal

Indicates that the cursor path is parallel to the base line of the artboard.



Vertical

Indicates that the cursor path is perpendicular to the base line of the artboard.



Guides

Indicates that the cursor is over a guide.



Guide Intersection

Indicates that the cursor is at the intersection point of two guides.

Using the Tracing Tools

LogoSpruce's tracing tools are the basic tools used for tracing a logo or design. A key difference between Illustrator's pen tool and LogoSpruce's tracing tools, is you can preview the line before you draw it.

In the trace tool pallet, there are three main types of tools: a straight line, an arc, and a bezier curve. With two related tools, the Tangent Arc tool and the Tangent Bezier tool, you can quickly draw arcs that intersect with previously drawn lines seamlessly.

Since most logos are not just a set of straight lines, there are shortcut keys to allow you to switch between tracing tools quickly. Any time you are using one of LogoSpruce's tracing tools, by pressing the Option key (Macintosh) or the Alt key (Windows), you can rotate between the Line Trace tool, the 3 Point Arc Trace tool (S, M, E), and the Bezier Trace tool.

Also, to speed up your tracing, if the Auto-guides are on and you start a traced line by clicking either end-point of a previously drawn path, you can add additional segments to that path quickly and easily.

Line Tracing Tool

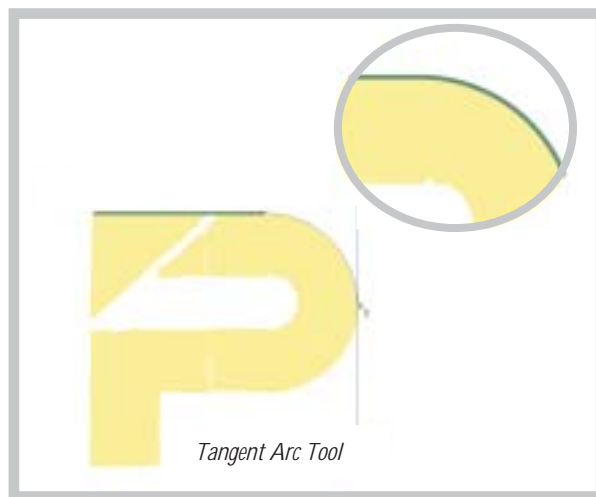
Use the Line Trace tool, instead of the Pen or Pencil tool, when you need to trace straight lines. Begin drawing by clicking to define a start point, then click and drag the cursor to draw a straight line. You will see the line as you drag the cursor. When you release the mouse button, you have "drawn" the line. If you don't de-select the object you are currently drawing, you can continue to trace by clicking additional points.

Pressing the Option key (Macintosh) or the Alt key (Windows), changes the Line Trace tool to the 3 Point Arc (S, M, E) Trace tool.

By pressing the Shift key, the possible directions of the path will be fixed to either the same direction as the path drawn immediately before, or to a direction perpendicular to that path.

Tangent Arc Trace Tool

Use the Tangent Arc tool to draw an arc in the tangent line direction of the immediately preceding path segment. This is particularly useful when trying to draw arcs that intersect smoothly with a straight segment.



Pressing the Option key (Macintosh) or the Alt key (Windows), changes Tangent Arc tool to the Bezier Trace tool.

3 Point Arc Trace Tool (S, E, M)

Use this tool to draw an arc by specifying 3 points: the starting point, ending point and a point in the middle, in that order. Just so there is no confusion — middle is defined loosely, because it's easier to remember; the middle point may not actually bisect the arc.

Pressing the Option key (Macintosh) or the Alt key (Windows), changes the 3 Point Arc Trace tool (S, E, M) to the Bezier Trace tool.

Pressing and holding the Shift key allows you to draw a Tangent Arc without changing tools.

3 Point Arc Trace Tool (S, M, E)

Use this tool to create an arc by specifying 3 points: the starting point, a middle point, and ending point, in that order.

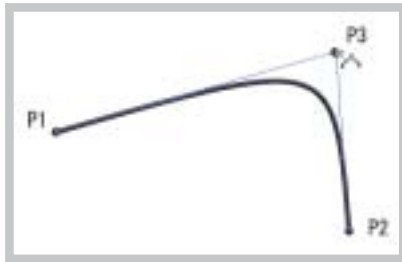
Pressing the Option key (Macintosh) or the Alt key (Windows), changes the 3 Point Arc Trace tool to the Bezier Trace tool.

As with the other 3 Point Arc Tool, pressing and holding the Shift key allows you to draw a Tangent Arc without changing tools.

Bezier Trace Tool

Use this tool to create a Bezier curve by specifying a starting point, ending point, and an apex point connecting the starting and ending points. If you click and drag when defining the apex point, you can modify the curve's position.

In the example on the right, P1 and P2 are the first two points created. Then, by clicking at P3 (the apex point), the Bezier line appears.



Pressing the Option key (Macintosh) or the Alt key (Windows) changes the Bezier Trace tool to the Line Trace tool.

Pressing and holding the Shift key will draw a Tangent bezier instead.

Tangent Bezier Tool

Use this tool to create a Bezier curve by specifying a starting point, ending point, and an apex point connecting the starting and ending points. This tool works in the same way as the Bezier Trace tool, but a Bezier curve can only be created with respect to the tangent direction of a straight line path. Using this tool to draw a curve makes it possible to easily create a path that smoothly connects to a curve.

Pressing the Option key (Macintosh) or the Alt key (Windows) changes the Tangent Bezier Trace tool to the Line Trace tool.

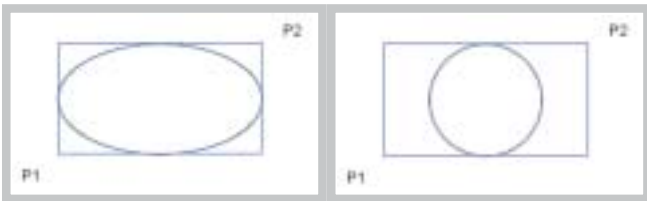
Using the Drawing Tools

When tracing an object, certain shapes are used more often than others. To help you draw those shapes more easily, LogoSpruce has a few new drawing tools.

Boxed Ellipse Tool

Use this tool to create an ellipse by specifying opposing angles of a rectangle that defines the ellipse size. This tool is often used to trace a distorted ellipse in a raster drawing. When used in conjunction with the One-Touch Guides (described later), this tool can be used to easily trace circular shapes.

To specify the rectangle, click P1 and P2, in that order, as shown in the example on the left. The ellipse appears within the rectangle; note that the rectangle disappears when you have finished drawing the ellipse.

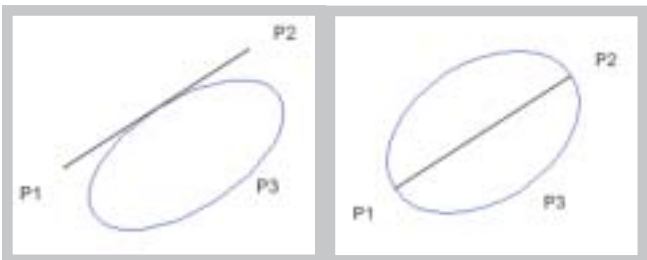


Press and hold the Shift key to create a circle inside the bordering rectangle. The diameter of the circle will always equal the shorter of the rectangle's two sides.

Inclined Ellipse Tool

This tool is used in much the same way as the ellipse tool in Illustrator. However, ellipses drawn with this tool are oriented along an angle of your choosing.

First, using the Inclined Ellipse tool, draw the baseline. This line determines the orientation of the ellipse. Then, by clicking and dragging, draw the inclined ellipse. It might help to think of this as “pulling” the ellipse from baseline.



If you press and hold the Shift key, the ellipse will be centered on the baseline.

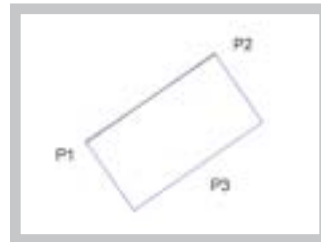
2-Point Circle Tool

With the 2-Point Circle tool, quickly draw circles by clicking and dragging. The distance between the point where you first click and the point where you release the mouse becomes the diameter of the circle.

Inclined Rectangle Tool

Similar to the Inclined Ellipse tool, the inclined rectangle tool is used to create a rectangle oriented to an angle of your choice. To easily draw an inclined rectangle:

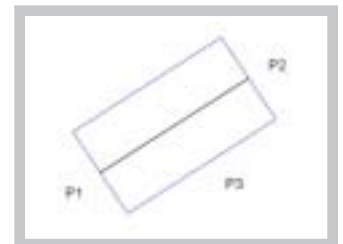
1. Click and drag the cursor to draw the baseline.
2. Click a point away from the baseline to draw the rectangle.



As shown in the figure to the left, click P1 then drag the mouse to P2, to create a straight line that corresponds to the angle of the inclined rectangle.

Next, drag the cursor path to P3 to create an inclined rectangle with the lines defined by P1 and P2 as its base.

Press and hold the Shift key to create an inclined rectangle centered along the baseline.



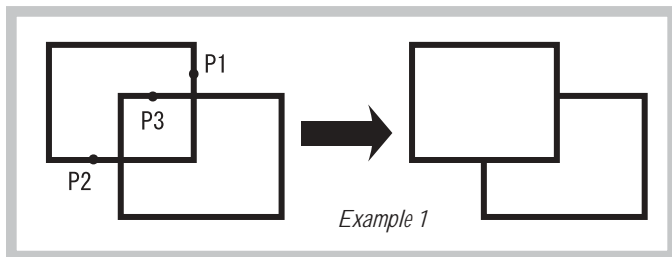
Using the Trimming Tools

Middle Trim Tool

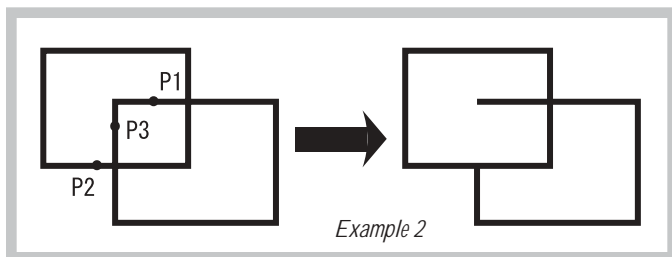
Use this tool to delete a portion of a path located between 2 path segments. This is helpful when manually tracing images -- instead of wasting time aligning end points, draw a rough sketch and trim the excess afterwards.

Using Illustrator's knife and direct selection tool, you can do some of the work the trim tools do, but the trim tools allow you to do it faster!

First, identify the paths that bound the segment you would like to delete, by clicking a point on each path. (P1 and P2 in examples 1 and 2.)

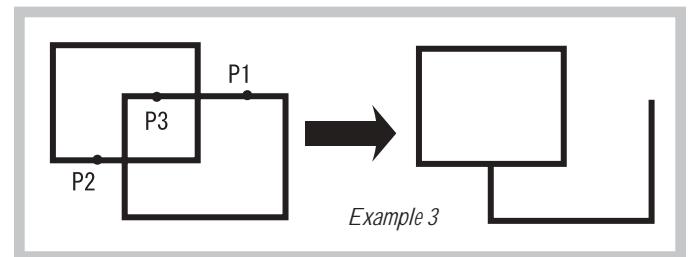


The third path segment (P3) you click will be deleted.



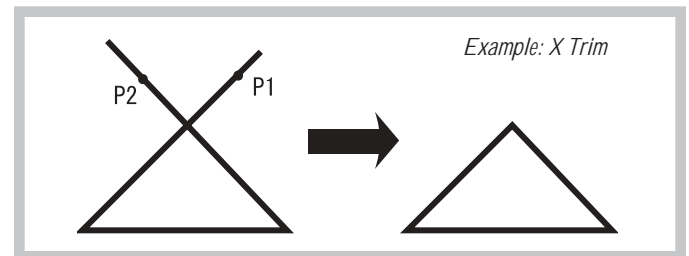
However, when trying to trim a path segment that intersects more than two paths, it's important to select the closest intersecting paths. In example 1, you see that P1 is on the path that is closest to P3. Similarly, by changing the position of P1 in example 2, a different segment is trimmed.

If the first point selected isn't on the closest intersecting path, you may delete segments other than the ones intended, as in Example 3.



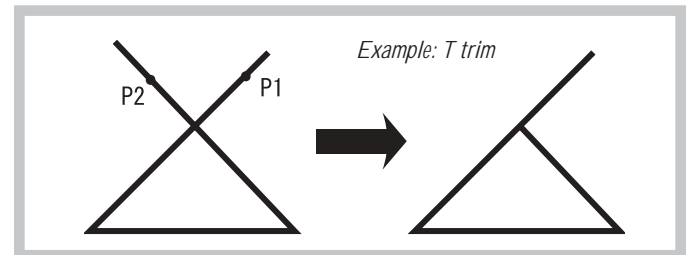
X Trimming Tool

Use this tool to trim the 2 selected path segments (P1 and P2) to the point at which they intersect.



T Trimming Tool

With this tool, by clicking on the first path at P1 and then the second path at P2, the second path is trimmed to the point at which it intersects the first.



Using the One-Touch Guides

The one touch guide tools allow you to place guides quickly and easily, in a variety of positions: angled, horizontal, or vertical. With each of the One-Touch Guide tools, you can preview the guide location before placing it, by clicking and dragging. When the mouse button is released, the One-Touch Guide is placed.

To quickly erase all One Touch Guides, choose View > Erase One Touch Guides. **Note:** This will only erase guides created with the One Touch Guide tools. However, the View > Clear Guides command will clear both regular guides and One Touch Guides.

When using the Horizontal, Vertical, or + One Touch Guide tools, their orientation can be changed by pressing the Option key (Macintosh) or the Alt key (Windows) and dragging the mouse in the direction you would like to rotate the guide.

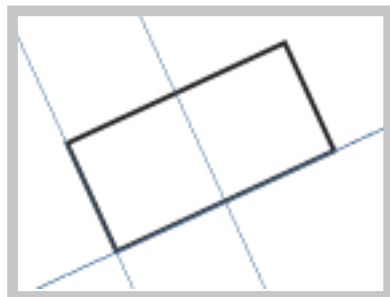
Create guides with the same orientation as the last guide placed by pressing the Shift key when placing the new guide. This works for any of the above guides.

Tangent One-Touch Guides ✕

To use the Tangent One Touch Guides most effectively, you must also activate the Auto-Guides (Object) found in the View menu.. When the Auto-Guides identify a path the One-Touch Guide will snap to align itself with that path.

The Tangent One Touch guides also snap to endpoints or midpoints of a path.

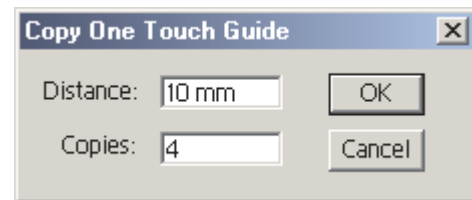
When placing a Tangent One touch guide at the intersection point of two paths, by pressing the Option key (Macintosh) or the Alt key (Windows), select which path the guide should follow.



One-Touch Guide Copying Tools

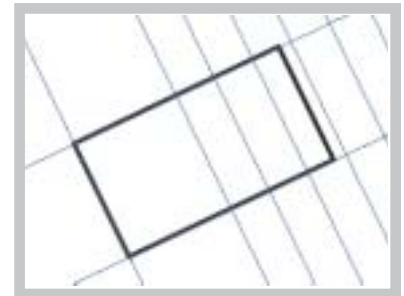
The One-Touch Guide Copy tool allows you to create a series of guides in a few short steps.

Using the One-Touch Guide Copy tool, select the One-Touch guide you would like to copy. You will be prompted to enter the guide spacing distance and the number of copies you would like to make.



Note: the number of copies does not include the guide being copied.

When a positive number is entered for the distance, the guide copies appear to the right (or above) of the original guide. When a negative number is entered, the guide copies appear to the left (or below).



Using the Other Tools

Last, but certainly not least in LogoSpruce’s box of tricks are the Raster Image Rotation tool and the Fillet tool..

Raster Image Rotation Tool

When a raster image to be traced needs to be squared with the artboard before tracing, use the Raster Image Rotation tool. Drag the Raster Image Rotation Tool along the edge to be squared. Upon releasing the mouse button, the image is rotated so that the dragged line aligns squarely in the horizontal or vertical direction.



Fillet Tool

Use the Fillet tool to fillet corners of squares, rectangles, or other polygons.

By choosing the View > Fillet Settings... menu item, you can display the Fillet Settings dialog box. The Fillet tool dialog box has an input area for entering the fillet radius and a check box for selecting whether or not the specified radius is to be applied to the fillet. How you draw a fillet differs depending on whether or not the “Use Radius” box is checked.

Creating a Fillet by Specifying the Arc Radius

If the “Use Radius” box is checked, you can create a fillet with the specified value as its radius by clicking 2 straight lines.

If the specified radius value is negative, the corner point becomes the center of the fillet diameter, with the fillet rounding inward.



Freehand filleting

If “Use Radius” is not checked, the radius of the fillet is by dragging the mouse. Select the first and second straight lines in the same way as when applying the specified radius. You must also select a third point that indicates the center of the arc that will create the fillet. By dragging the cursor, preview the fillet.



When drawing a fillet radius freehand, you can still use the radius set in the fillet settings by pressing shift. The previewed fillet will automatically snap to the set radius.

Registering LogoSpruce — Please register!

Title: Mr. Ms. Dr. Other: _____

Name: _____

email: _____

Company: _____

Address 1: _____

Address 2: _____

City: _____ State: _____

Country: _____ ZIP/Postal Code: _____

Phone: _____ Fax: _____

Operating System: Mac 8 Mac OS 9 Mac OS X

Windows 95/98/ME Windows NT/2000 Windows XP

Illustrator version: 7 8 9 10

Date of purchase: _____ Purchase place: _____

Would you like to be contacted about upgrades or updates? Yes No

How did you first hear about LogoSpruce?

1. Friend	5. Review
2. Print Advertisement	6. Direct mail
3. On-line advertisement	7. Email
4. Trade show	

Please complete and fax this card to: +81-6-6305-2191 (outside of Japan)
06-6305-2191 (within Japan)

Alternately, register on-line at <http://www.comnet-network.co.jp/eng/register/>

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