JLG-Lines 2.1 (May 2019)

To create broken lines with Illustrator.

Creation of a broken line.

To draw a broken line, first click to create the first point of the line then move the cursor, **you'll see the length and the angle** of the first segment. When you click again, the segment is created and the same process starts again.
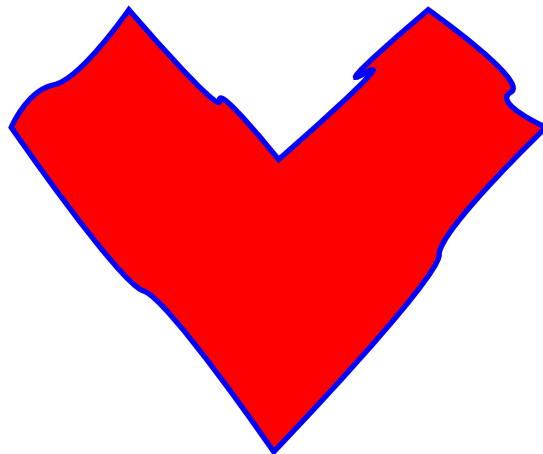
Very important:

If you use the **SHIFT** key while moving the cursor, you'll use your own constraints. By default, the length varies from 2 millimeters to 2 millimeters and the angle from 5 degrees to 5 degrees.
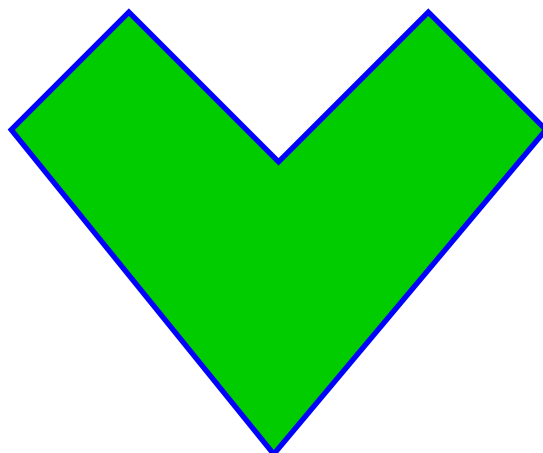
To change these default values, you must click with the **ALT** key down to display the settings.

You can change the number of decimal places,
the scale factor,
the constraints values and
the annotations characteristics.

When JLG-Lines is not registered, the lines are distorted.

When JLG-Lines is registered, the lines are not distorted.

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Settings.

When JLG-Lines is selected, if you click with the ALT key down, you will see a list of parameters. The color (here purple) is the color of the smart guides.
This color can be changed using Illustrator's preferences CMD-K for Mac ou CTRL-K for Windows.

Choice of the parameter to modify:

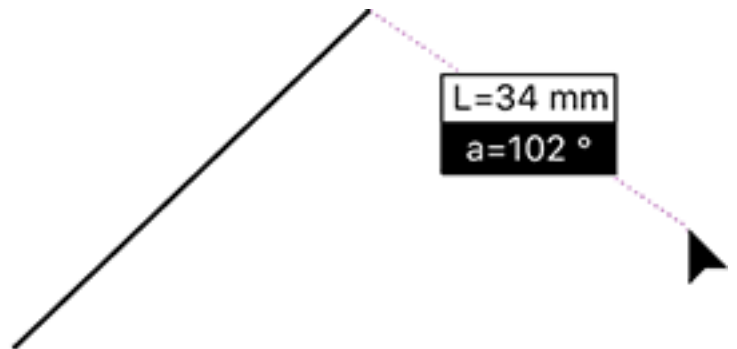|	
Number of decimal places.	1 (x,x)
Scale.	1 /1
Constraints.	L: 2 mm, a: 5 °, 8 pt
Annotations.	Large, 60 %
Registration.	Jean-Louis Garrivet

Number of decimal places.

The number of decimal digits displayed in the black and white rectangle range from 0 to 6.
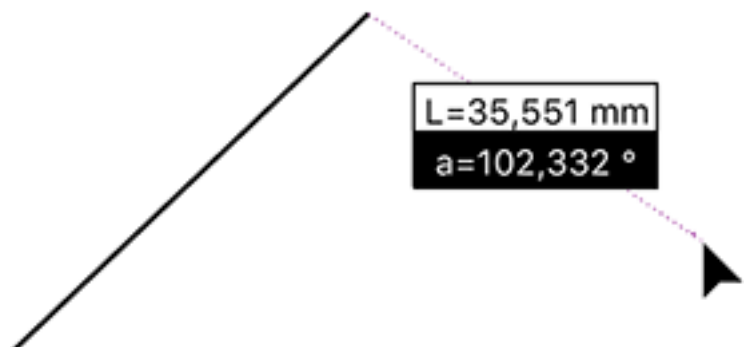
Number of decimal places: 0 (x)

- 0 (x)
- 1 (x,x)
- 2 (x,xx)
- 3 (x,xxx)
- 4 (x,xxxx)
- 5 (x,xxxxx)
- 6 (x,xxxxxx)

L=34 mm
a=102 °

Number of decimal places: 0 (x)

- 0 (x)
- 1 (x,x)
- 2 (x,xx)
- 3 (x,xxx)
- 4 (x,xxxx)
- 5 (x,xxxxx)
- 6 (x,xxxxxx)

L=35,551 mm
a=102,332 °

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Settings.

Choice of the scale factor.

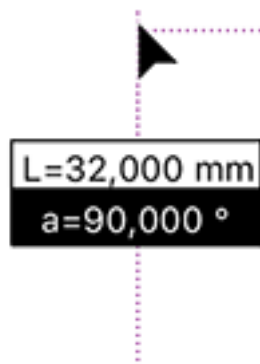It's possible to choose a preset value or any scale using the + and - for the numerator and denominator.

If the x10 and x100 boxes are not checked, the numerator or denominator ranges from 1 to 1 at each click on + or -.

When using the **SHIFT** key, the numerator or denominator ranges from 10 to 10 at each click.

When using the **ALT** key, the numerator or denominator ranges from 100 to 100 at each click.
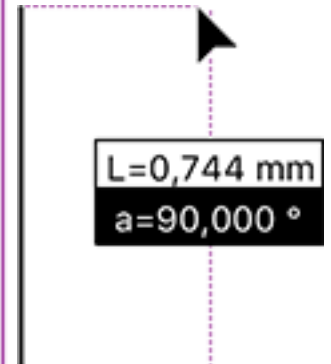
Choice of the scale: 1 /1

| Scale 1/125 |
| Scale 1/100 |
| Scale 1/75 |
| Scale 1/50 |
| Scale 1/25 |
| Scale 1/20 |
| Scale 1/10 |
| Scale 1/5 |
| Scale 1/4 |
| Scale 1/3 |
| Scale 1/2 |
| Scale 1 |
| Scale 2 |
| Scale 3 |
| Scale 4 |
| Scale 5 |
| Scale 10 |
| Scale 20 |
| Scale 25 |
| Scale 50 |
| Scale 75 |
| Scale 100 |
| Scale 125 |

L=32,000 mm
a=90,000 °

Choice of the scale: 1 /43

| Scale 1/125 |
| Scale 1/100 |
| Scale 1/75 |
| Scale 1/50 |
| Scale 1/25 |
| Scale 1/20 |
| Scale 1/10 |
| Scale 1/5 |
| Scale 1/4 |
| Scale 1/3 |
| Scale 1/2 |
| Scale 1 |
| Scale 2 |
| Scale 3 |
| Scale 4 |
| Scale 5 |
| Scale 10 |
| Scale 20 |
| Scale 25 |
| Scale 50 |
| Scale 75 |
| Scale 100 |
| Scale 125 |

L=0,744 mm
a=90,000 °

Numerator − + ☐ x10
Denominator − + ☐ x100

Numerator − + ☐ x10
Denominator − + ☐ x100

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Shift key: L: 2 mm, a: 5 °

☑ Length   −   **+**

☑ Angle   −   +

☐ x0,1

☐ x0,01

Magnetism: 8 pt

−   +

From 10 to 10 with Shift, from 5 to 5 with ALT.

Shift key: L: 2,0 mm, a: 5,0 °

☑ Length   −   **+**

☑ Angle   −   +

☑ x0,1

☐ x0,01

Magnetism: 8 pt

−   +

From 1 to 1 with Shift, from 0,5 to 0,5 with ALT.

Shift key: L: 2,000 mm, a: 5,000 °

☑ Length   −   **+**

☑ Angle   −   +

☑ x0,1

☑ x0,01

Magnetism: 8 pt

−   +

From 0,01 to 0,01 with Shift, from 0,005 to 0,005 with ALT.

When you click the + or - buttons, the value changes according to the SHIFT or ALT keys are pressed and the x0,1 and/or x0,01 boxes are checked.

The smallest value is 0,001 mm.

Constraints.
  Shift key:

If you press the SHIFT key while moving the cursor, the length will be constrained by a number of millimeters. It's very useful to get a precise measure.

If the constraint value for lengths is 2 millimeters, you'll have 24, 26, 28 mm, etc.

It's the same for the angle, if the constraint angle is 5 degrees, you'll have angles of 5, 10, 15, 20, 25, degrees etc.

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Settings.

Constraints.

The magnetism constraint is useful when the cursor is near an anchor point.

If the magnetism is 8 points, when you want to close a broken line to make a polygon, you don't have to click exactly on the first point of the broken line.

If you cursor is at less than 8 points of the first point, an annotation appears (click to close the line) and if you click, the line'll be automatically closed.

If you want to delete the last segment of the line, you approach the cursor of the last segment and you click (an annotation appears (click to delete the segment).
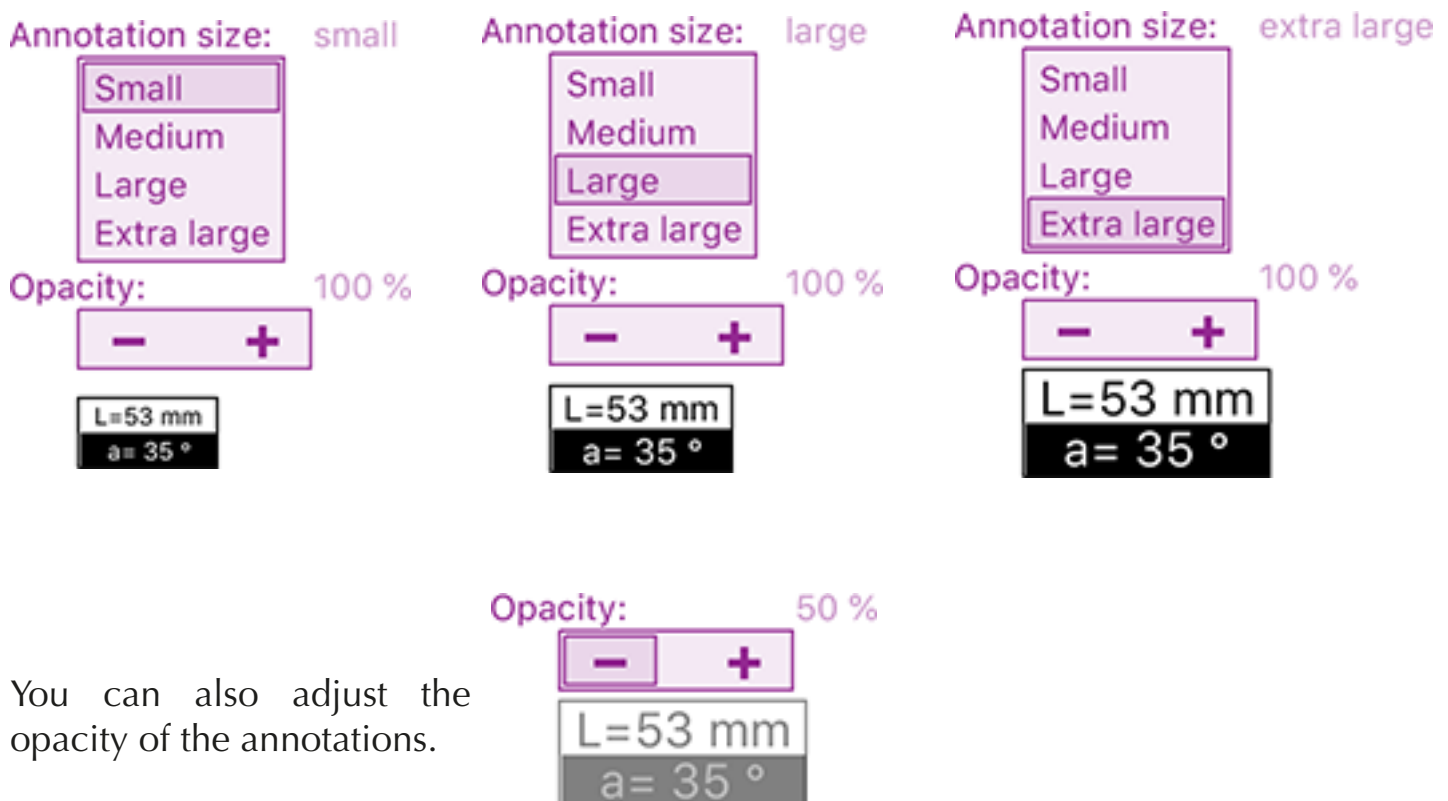
You don't have to click exactly on the segment according to the magnetism value.

If you want to add a segment to an existing line (created by JLG-Lines or not), you approach the cursor of the first or the last point of the line and you click. An annotation appears (click to add a segment).

You don't have to click exactly on the point according to the magnetism value.

Annotations.

The black and white rectangle and the text of the annotations will be modified according to the annotation size (extra large, large, medium or small).

You can also adjust the opacity of the annotations.

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Registering JLG-Lines.

To remove the restrictions of the demo version (the paths are distorted and the parameters are not saved), you need to send your user name to jlgarrivet@orange.fr.

The user name is shown on the right side of the Registration parameter (in red) at the end of the parameters list. In my case, it is Jean-Louis Garrivet.

This red line is no longer displayed after you have registered your version.

To find this name, you can also use the menu
Help/System info…

In the dialog that appears, scroll to see User Name:

THIS USER NAME CANNOT BE CHANGED.

When you sent me your username, you received a serial number in the format xxxx-xxx-xxxx.

Select the Registration parameter (bottom of the list and red) and enter your serial number using the small keyboard.

< to delete the last character.
^ to switch from lowercase to uppercase.

When you click outside the keyboard, a dialog will inform you that the full version is available.

The red line has disapeared and the paths are no more distorted!

END