

# BPT-Pro



Plug-in for Adobe Illustrator

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## System Requirements:

- Macintosh OS X 10.1~  
Adobe Illustrator 10 / CS / CS2 / CS3 / CS4 / CS5
- Windows OS XP / Vista / Win7  
Adobe Illustrator 8 / 9 / 10 / CS / CS2 / CS3 / CS4 / CS5

In some cases there may be a malfunctioning of BPT-Pro when used in conjunction with, or at the same time as other companies Adobe Illustrator Plug-ins, and as such the program may not work properly. Please bear with us.

▶ <http://www.baby-universe.co.jp/en/>

## Terms and conditions

Before using BPT-Pro, please read through each term and conditions written below. By using the BPT-Pro Package we judge that you have read and understood the following information.

### 1. License

Basically one license for BPT-Pro qualifies you to use one application, which means that one license allows you to install the software on one machine. If you want to use the software license for other purposes, it is illegal and you could be asked for compensation.

### 2. Warranty of use

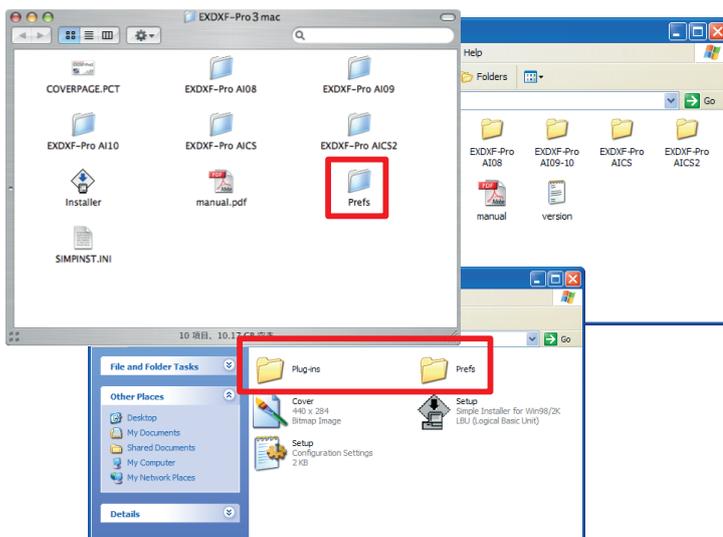
It is not possible for us to insure against any accidents that could happen when users use BPT-Pro, and as such, we regard your use of the software as agreement that there have been no problems, unless you stop using the software while still using the demonstration version.

## Installation

**Close Adobe Illustrator before you start installation**

When opening BPT-Pro, you see a dialog box that appears as shown. You will find 4 or 6 versions of the BPT-Pro folders. BPT-Pro3 AI08, BPT-Pro3 AI09-10, BPT-Pro3 AICS, BPT-Pro AICS2 and BPT-Pro3 AICS3-4 are shown in the dialog box. The numbers written at the end of BPT-Pro indicate different versions of Adobe Illustrator in such that AI08 means Adobe Illustrator version 8.0. First of all, choose the folder that corresponds with the Adobe Illustrator you are using on your OS.

Start the Setup.exe (“Setup.exe for Windows OS, “Installer for Mac OS) by double clicking the icon and choosing the OK button to complete installation. The installer automatically searches for the compatible version of Adobe Illustrator in your system. Where it is not found, and different or several versions of Adobe Illustrator are in your system, please use the disk change button or install directory to search for the compatible version. If the compatible version of Adobe Illustrator is still not found, press and drag the BPT-Pro Plug-in file, and drop it directly in the Adobe Illustrator plug-in folder in your system, and also drag the “Prefs” folder under “home / user / ‘your user name’ / document / adobe / Illustrator /”. The installation may take time depending on the environment of your computer.



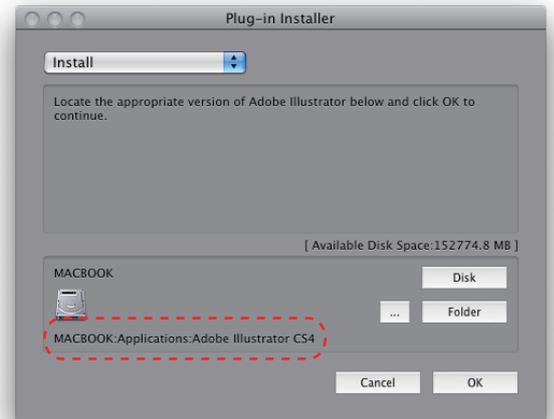
**For Macintosh User**

The Plug-in file, EXDXF-Pro(.aip), can be found in the folder for each version of illustrator.

Macintosh OS



Windows OS



The data selected by a  are to be installed.

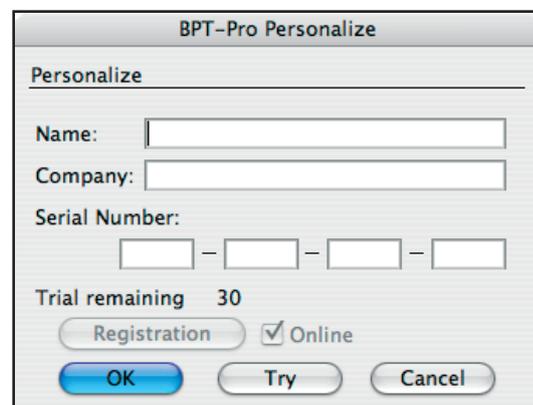
## How to personalize

When you start BPT-Pro, a dialog box as shown on the right, appears. Please enter your name, organization, such as company or school name and ID (activation code) to complete the personalization.

### ■ About demonstration version

If you want to use the software as a demonstration version, please press the “Trial button” to start the demonstration version of the software. The trial can be used a maximum of 30 times.

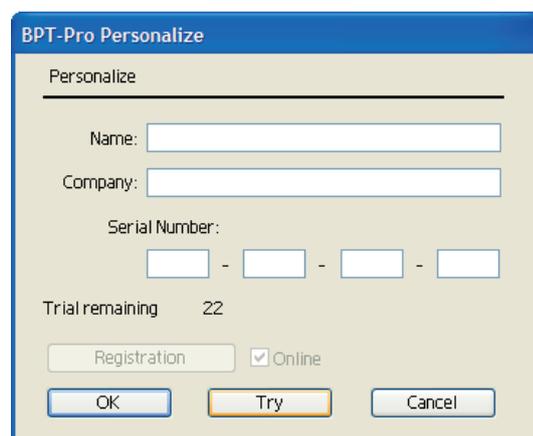
If you want to purchase the software as a regular version, please visit Baby Universe shopping page to buy online. Please follow the procedure in the shopping site. After we verify your purchase for the products with a credit card certified system, we will send an email with the subject “Confirmation of order” which includes your “ID (activation code) and Serial number”.



The screenshot shows a dialog box titled "BPT-Pro Personalize". It contains the following fields and controls:

- Personalize** (Section Header)
- Name:** [Text Input Field]
- Company:** [Text Input Field]
- Serial Number:** [Four Digit Input Fields separated by dashes]
- Trial remaining 30**
- Registration** (Button)
- Online** (Checkbox)
- OK** (Button)
- Try** (Button)
- Cancel** (Button)

\* Personalize dialog box



The screenshot shows a dialog box titled "BPT-Pro Personalize". It contains the following fields and controls:

- Personalize** (Section Header)
- Name:** [Text Input Field]
- Company:** [Text Input Field]
- Serial Number:** [Four Digit Input Fields separated by dashes]
- Trial remaining 22**
- Registration** (Button)
- Online** (Checkbox)
- OK** (Button)
- Try** (Button)
- Cancel** (Button)

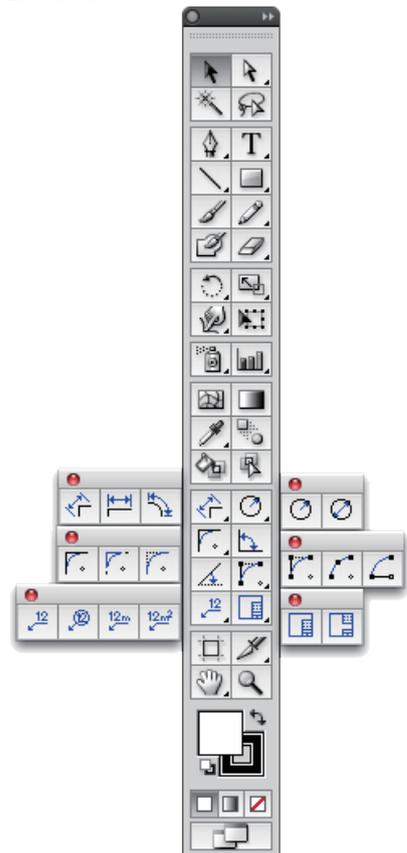
## BPT-Pro Overview

When Adobe Illustrator is completely launched, the Toolbox shown on the left appears. The lower part of the Toolbox houses 8 kinds, and 17 pieces, of BPT-tools. On the Illustrator Window Menu, the BPT Information Palette is displayed as shown. The information Palette is for the convenient use of each of the BPT-Pro Tools, and it indicates the tools information and contains the various snap functions.

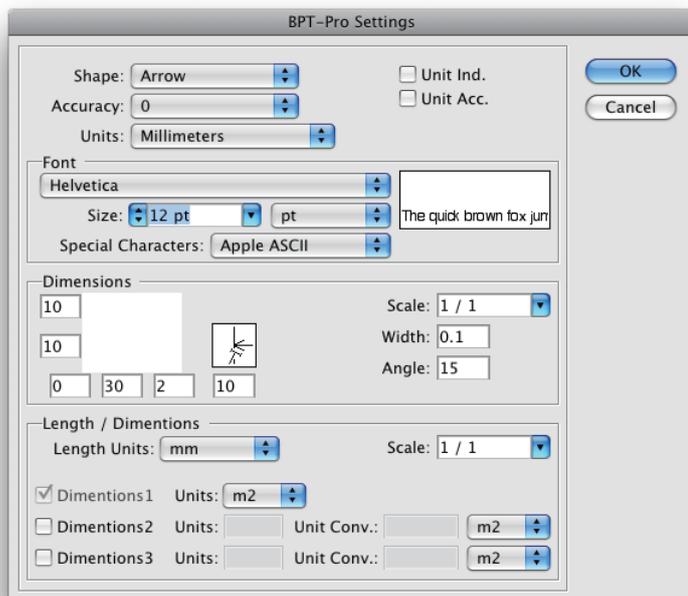
Dimension lines and scale-reduction settings can be implemented in the BPT settings dialogue box. The BPT settings dialogue box is launched by clicking the Illustrator File Menu, choose Environment setting, and then click on BPT setting; it will appear as shown in the dialogue box-BPT Setting below.

Achieve all the BPT-Pro functions after installation. With each of the BPT-Pro functions cleverly mastered, you can develop your own TIPS for efficient use of the tools. If so, feel comfortable, and lets explore the world of design.

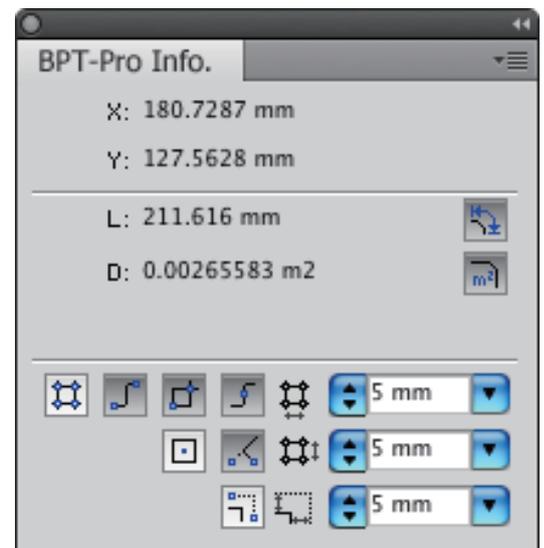
### BPT Tool



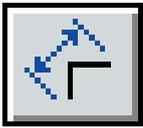
### BPT Settings



### BPT Information

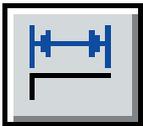
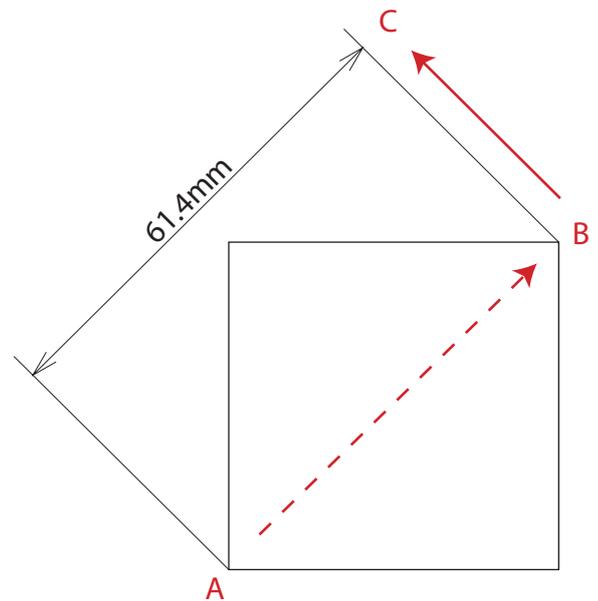


□ **Dimension Tools**



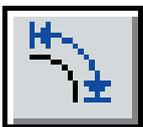
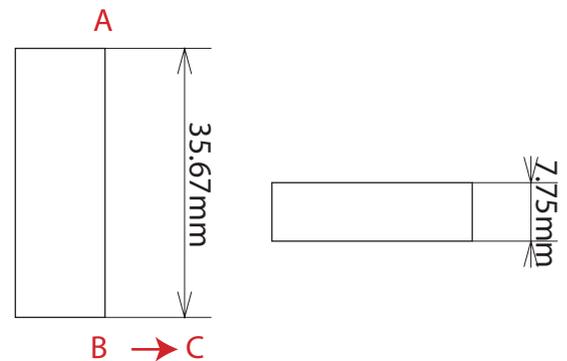
**Oblique dimension tool**

The oblique dimension tool appears as shown in the figure. To use, click your mouse at point A, and drag to point B; then detach your hand and move the mouse freely to point C and click. In a situation where you want to correctly snap on a path or anchor point, switch on the Fit button on the lower part of the BPT Information palette, and using the same procedure as stated above, drag your mouse from point B to point A, and the measurement will be indicated in reverse.



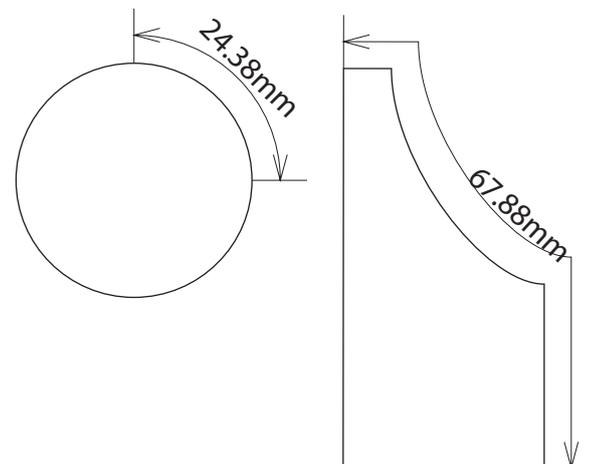
**Straight dimension tool**

This dimension tool is used when indicating measurements in vertical and horizontal plane. It is used in the same way as the oblique dimension tool. When the space to be dimension is narrow, the dimension line arrow ends can be fixed externally as shown in this side Figure. If the BPT information Fit and Grid functions are well used, dimension lines can be accurately drawn.

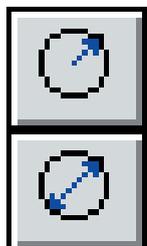


**Curve dimension tool**

This is a tool for indicating measurements in arc and free curves. With all the above tools, dimension lines cannot be produced without an anchor point. When free curve and straight lines are combined together, the tool can indicate the dimension line as shown in the Figure beside. In the case of arc, the tool correctly indicates offset dimension lines, but depending on free curves, there is a distortion; nevertheless, the displayed measurement is correct.



**Radius / Diameter Tools**

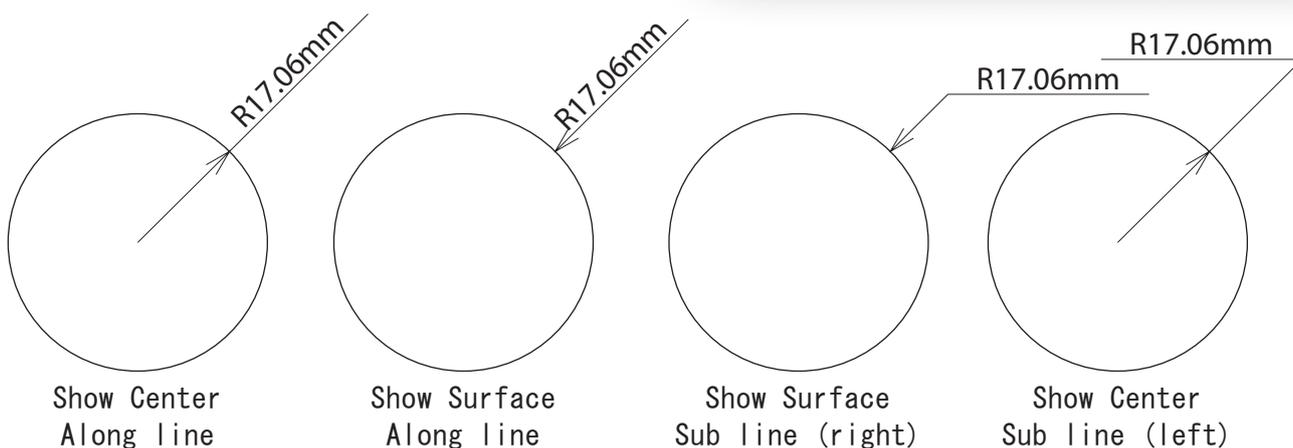
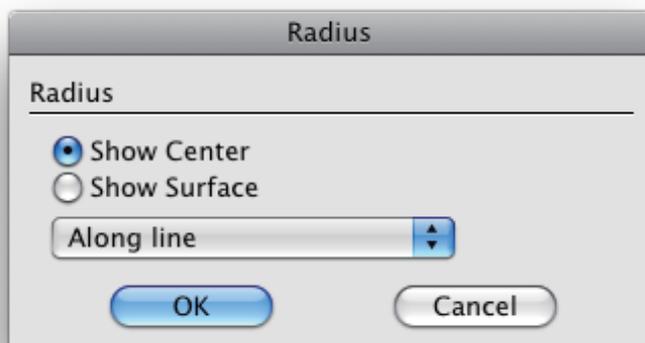
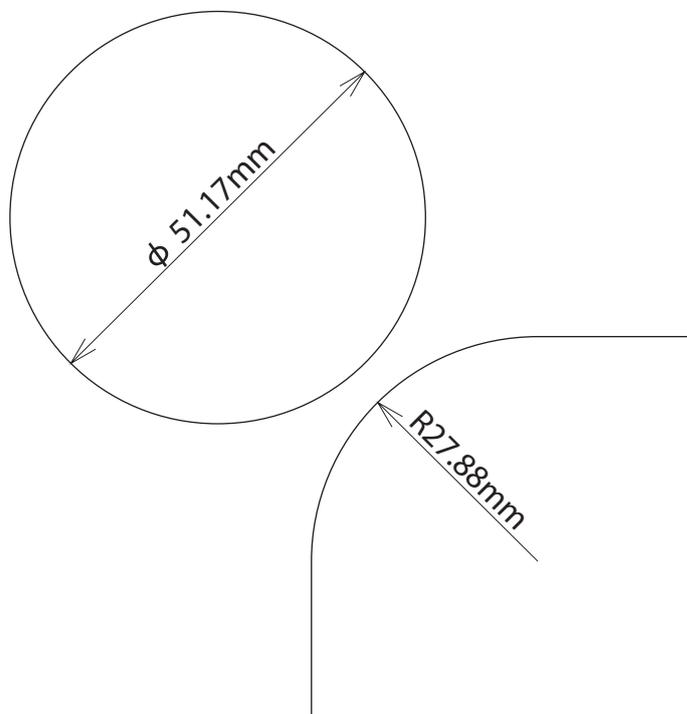


**Radius Tool**

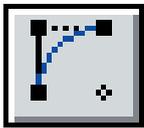
**Diameter Tool**

Radius and Diameter tools are used for dimensioning the radius or diameter of a real circle and an arc (part of real circle). (The functions do not support free curves).

To use them, click the top of the object path and move your mouse. Holding down the shift key, with the mouse movement, vertical, horizontal, and 45-degree movement can be controlled. Double clicking each of the tools, results in setting the dialogue box shown in the side figure. Depending on the combination of each of the settings, different types of dimensioning can be achieved as shown in the Figures below. In using these tools, click and drag your mouse from the top of the path and in the direction you want to indicate the dimension, then click your mouse. Of course, different combination settings of each of the radius, and diameter tools are possible.

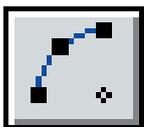
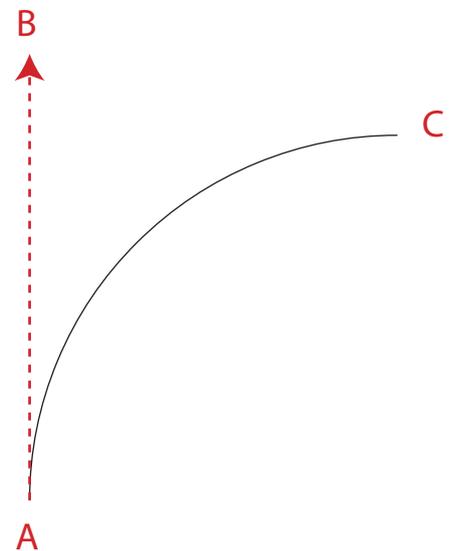


□ **Arc Tools**



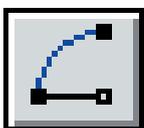
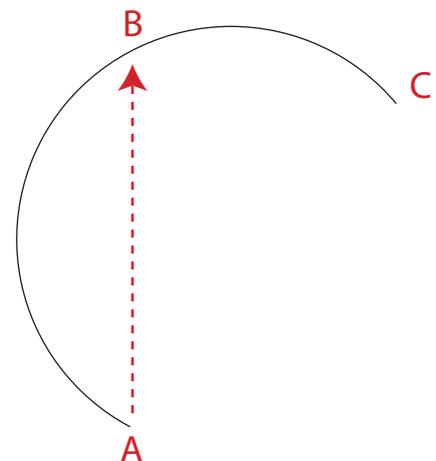
**Tangential Line**

Using the arc tool (Contact Line and a Point), first click the mouse at point A and drag to point B. Remove your hand from the mouse at point B, then move the mouse to point C. At point C, click the mouse, and the arc is drawn. Drawing an arc precisely involves, pressing and holding the shift key, and the arc position can be easily controlled vertically, horizontally and at 45-degree directions. By also using the BPT Information Snap functions, precise control of the drawing can be achieved.



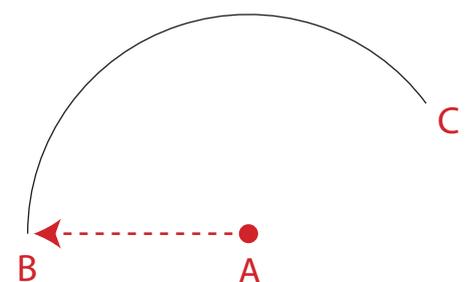
**Three Points**

The use of the Three points arc tool involves clicking at point A, and dragging the mouse to point B, then removing your hand. From point B move the mouse in the direction of point C and at point C, click the mouse and the arc is drawn. This tool is different from the 1-Point-and-Contact-Point tool in that the arc is fixed at point B. In short, the tool creates the arc that passes through the Three points (ABC). Depending on the combination of mouse with shift key, the arc can be easily controlled in horizontal, vertical and 45-degree directions.

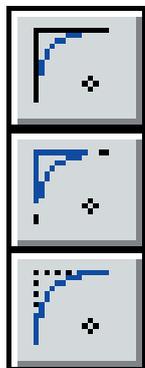


**Center and Two Points**

To use the arc tool (Center and Two points) involves clicking and dragging the mouse from the center of the arc (point A) to-point B and removing your hand. Then move the mouse freely from point B to point C and click. The arc is then produced. This tool is different from the two previous arc tools (Contact-Line and a Point, and Three Points) because the drawn arc-setting radius depends on the length of drag of the mouse from point A to point B., holding the shift key simultaneously, and dragging the mouse, the arc can be easily moved vertically, horizontally and in 45-degree directions.



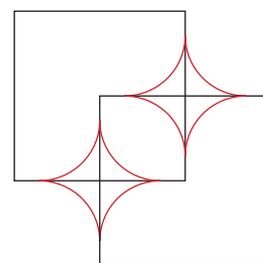
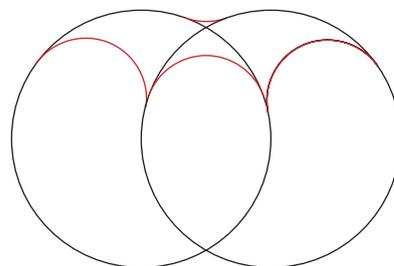
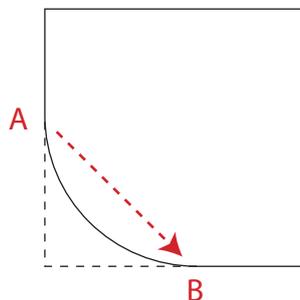
**□ Fillet Tools**



**Addition type**

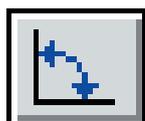
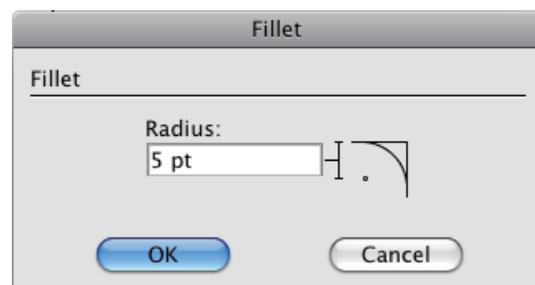
**Separate type**

**Replace type**



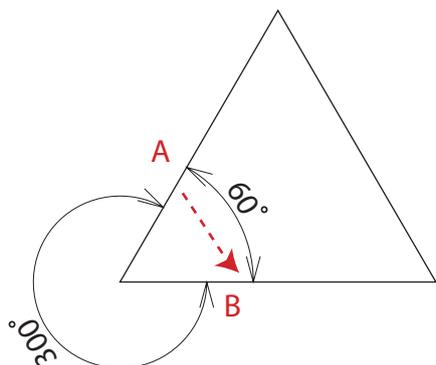
The Fillet tools are used for peeling off object surfaces. In short, they are for purposely turning angular edges into round edges. On the two paths of the edge to be peeled off, drag the mouse over the edges path, then release the mouse button, and the peeling off is achieved.

In the three fillet tools, a new arc is added in the case of the Addition type tool, and the Separate tool dismembers edges, while the Delete tool type delete edges. By double clicking each of the fillet tools, a setting dialog box appears as shown in the Figure. This dialog box is used for setting the radius of the arc of the peel off surface. It is also possible to use them to set the point of intersection of two objects.



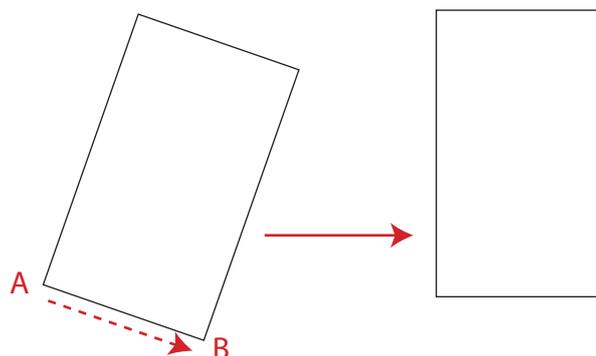
**■ Angle Tool**

This angle tool expresses angles as shown in the figure below. On the two paths of the edge, drag the mouse inside or outside, and the angle will be indicated on the side that the mouse is dragged.



**■ Slant Tool**

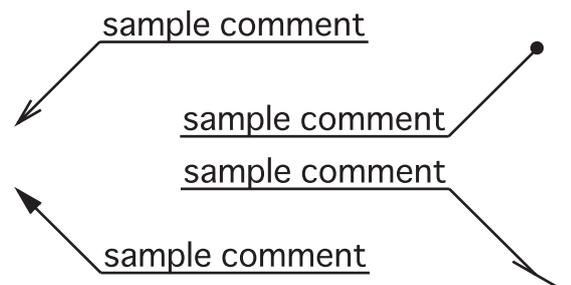
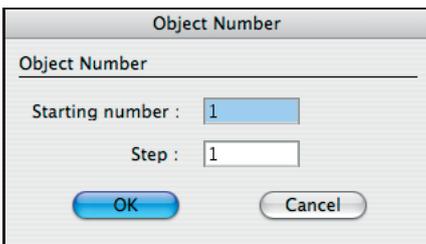
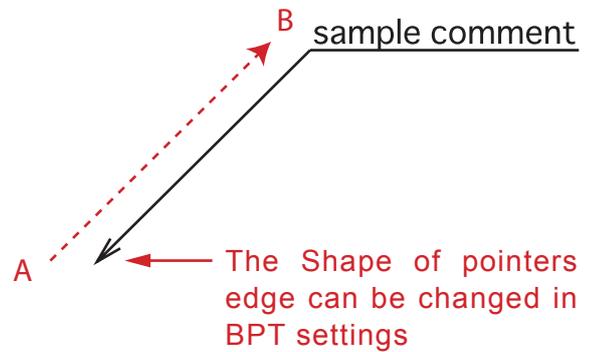
Slant tool is a slope reverse tool. The object, which its slope is to be reversed, is first selected, and is drag alongside the path is to be restored as shown in the Figure.





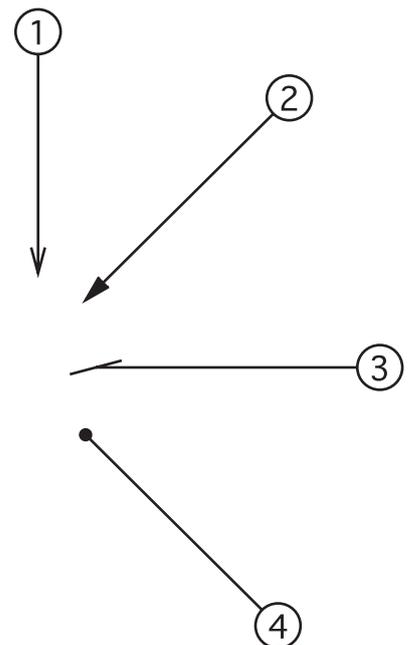
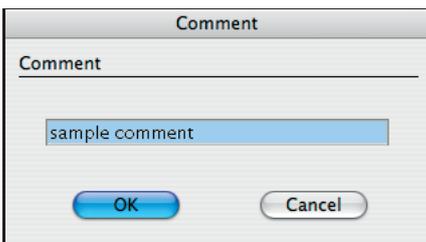
**Object Number Tool**

This tool can be utilized when you want to number the objects in a document. The way to use this is the same as for the comment tool. By double clicking the “Object tool” button in the tool bar of Adobe Illustrator, the object number tool dialog box appears. In the box enter the starting number and steps. Steps means that as you add the numbers, the number used steps as much as the number in the step box.



**Comment Tool**

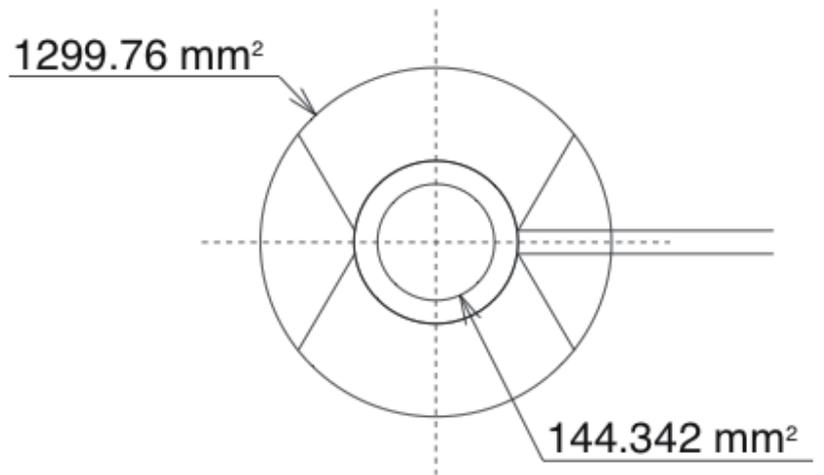
The comment tool is used to make comments on objects indicated by a line. Click and drag from point A to B, and release the button. With the shift key, you can control the angle of the indication line vertically, horizontally and 45 degrees.





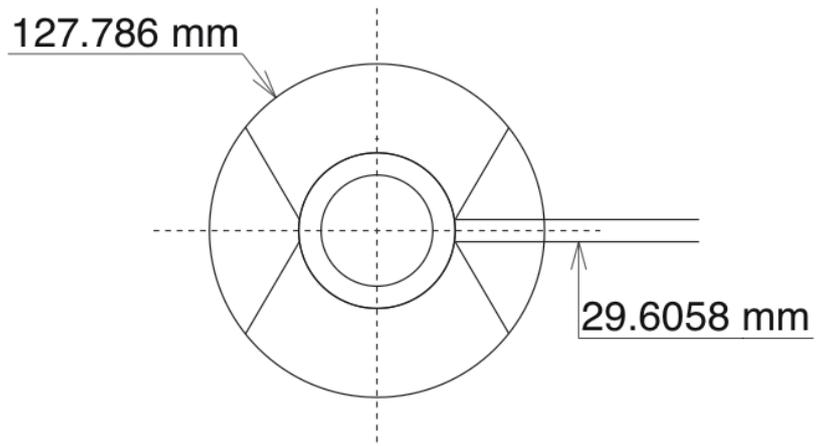
**Length Tool (BPT tool)**

The Length tool is used to measure the length of objects indicated by a line. Click and drag from point A to B, and release the button. With the shift key, you can control the angle of the indication line vertically, horizontally and 45 degrees.



**Dimension Tool (BPT tool)**

The Dimension tool is used to measure the dimension of objects indicated by a line. Click and drag from point A to B, and release the button. With the shift key, you can control the angle of the indication line vertically, horizontally and 45 degrees.



**Schedule Tool**



Bottom



Top + Bottom

Schedule Tool draws a border line setup with title block and schedule of the materials easily. Double clicking the “Shedule Tool” button, opens the Schedule Tool setting dialog box as shown. Then enter the items, materials, quantities, weight and work schedule. If the lists for the parts is not big enough, then press the “Next” button to increase the number of lists. Press OK and drag it on the document to draw the border line setup with schedule you have set.

If you would like us to customize the Schedule Tool, please contact us directly to discuss this service.

**Schedule**

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Schedule

Drawing : Working drawing for ...

Company : BABY UNIVERSE INC.

Remark 1 :

Remark 2 :

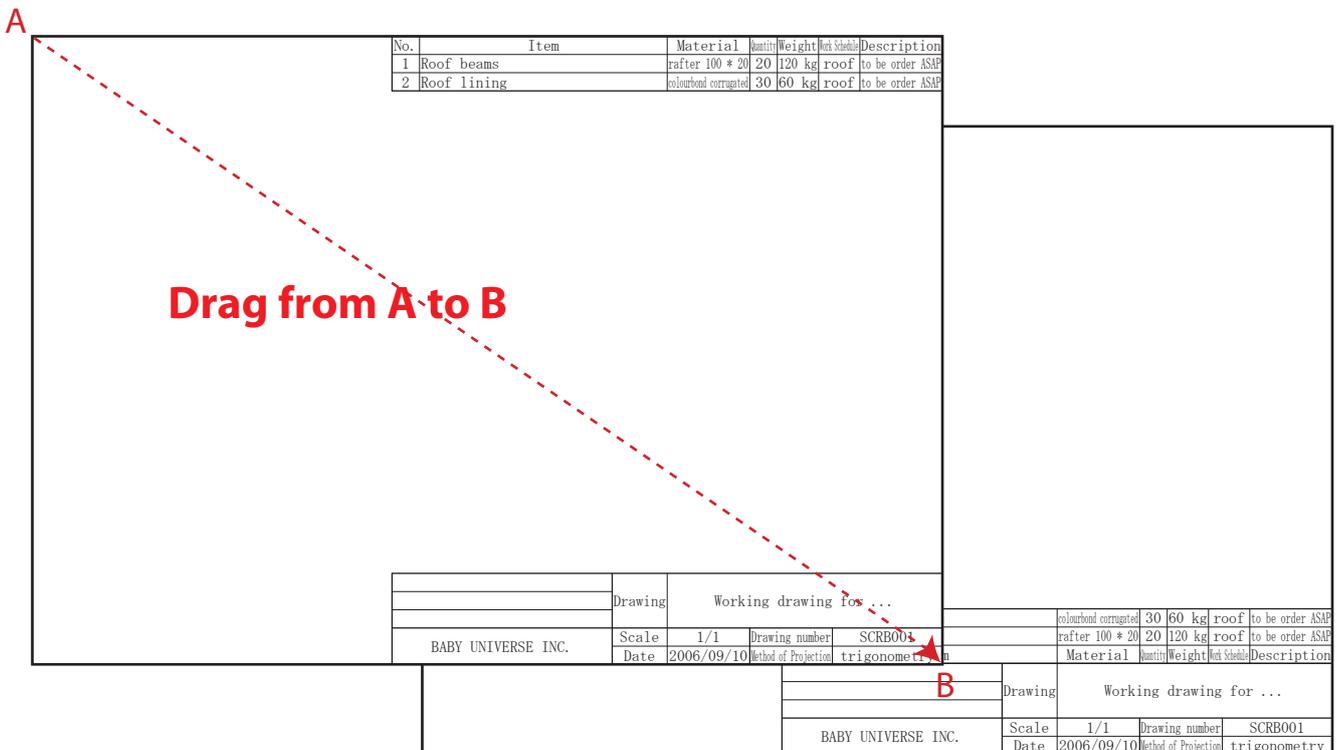
Remark 3 :

Date : 2006/09/10      Method of Projection : trigonometry

Drawing Number : SCRB001      Object number : 2 0..99

Scale : 1/1

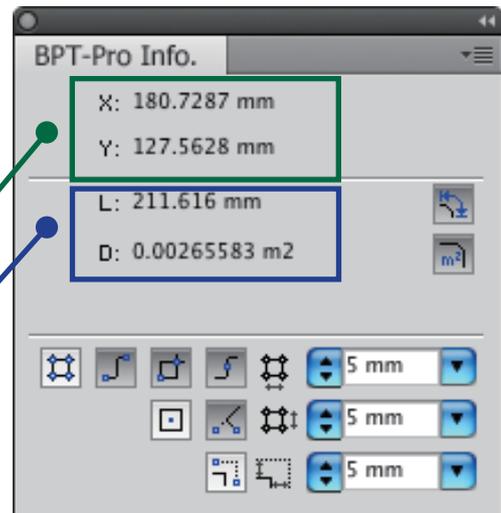
Item	Material	Quantity	Weight	Work Schedule	Description
1 Roof beams	rafter 1	20	120 kg	roof	to be order
2 Roof lining	colourb	30	60 kg	roof	to be order
3					
4					
5					
6					
7					
8					
9					
10					



**BPT Information**

This is a function that shows the entire Adobe Illustrator Information simultaneously, and each of the BPT-Pro tools when in use.

- X: The distance from origin to X-axis direction.
- Y: The distance from origin to Y-axis direction.
- W: Distance moved on the X-axis direction.
- H: Distance moved on the Y-axis direction.



**Length measurement function and area measurement function.**

Length measurement function is the secret weapon for length measurement in BPT-Pro. It is different from the Adobe Illustrator ruler tool used for measuring straight-line distances between two points. It precisely measures all segment lengths (including free curves). By using the direct selection tool, and selecting a part of an object segment, the tool measures accurately only that part selected. Also by changing the selected segment part, the length is re-measured and indicated immediately. By combining the direct selection tool with the shift key, many objects segments are selected, or by selecting each of the object segments individually, the length tool immediately measures and indicates the total length of all the segments. So switch on the length button, and appreciate the wonders of this tool.

Also, the area measurement function is tool for area measurement in BPT-Pro. If you selected multiple object, area measurement tool will measure sums of total area.

**BPT TOOLS**

The Snap function controls all the BPT-Pro tools management. It can be regarded as similar to Adobe Illustrator's point snap function - but a stronger edition. Depending on the particular button that you press, different Fit-functions will be switched ON.

Snap to Grid:  
Depending on the grid dimension sets, the right side length and breadth movements can be controlled.

Snap to Anchor point:  
It snaps at the anchor point, and the cursor changes to

Snap to Intersection  
It snaps at the point of intersection where the paths cross, the cursor changes to

Snap to Path:  
It snaps the entire paths top and the cursor changes to

Snap to Center point:  
It snaps at the center point of object and the cursor changes to

Vertical /Horizontal Snap:  
Based on the starting point of the path, during vertical axis movement, the cursor changes to and during horizontal axis movement, the cursor changes to

Grid Spacing: Depending on the lower right sets dimension, the distance moved by dimension line tool is controlled. Depending on the lower right sets dimension, the distance moved by dimension line tool is controlled.

**■ BPT Settings**

Shape

This field is used for setting dimension lines for pointed end shapes. From the pull down menu, rectangular, triangular, oblique and dot ends can be selected.

Resolution

From the pull down menu, the measurement resolution to the nearest decimal point can be selected.

Unit

Unit of measurement can be selected from the pull down menu.

Unit Ind.

This field is checked or un-checked to indicate or hide the above selected units.

Unit Acc.

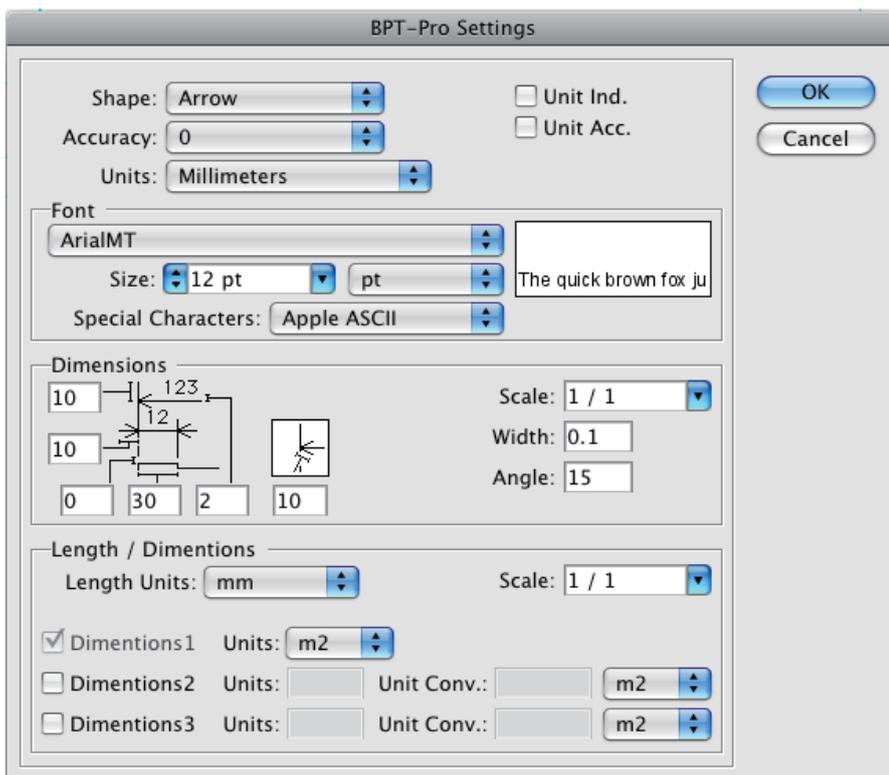
When resolution of 0.00 etc. is selected, this field is checked or un-checked to show or hide the measured value decimal points below 00 (example: less than 0.25mm, is set as 25.00mm / 25mm).

Fonts

The field is used for setting font type, size, and size unit from the pull down menu.

Dimension Line Setting

The field sets the dimension lines for detailed shapes. Design scales, dimension line width, dimension line pointed arrow ends angle, and other dimension line properties are decided in these fields.



## **For further information about BPT-Pro**

Please send your request by email or fax  
Make sure to attach your ID and serial number of the product.

### **BABY UNIVERSE Inc.**

FAX: +81 466 55 3001  
Email: [info\\_eng@baby-universe.co.jp](mailto:info_eng@baby-universe.co.jp)

Visit us to check the latest information on BPT-Pro

<http://www.baby-universe.co.jp/en/>