

Calculating Shrink Sleeve Layflat

Steps to Calculating the Layflat Using The Circumference of the Container.

Step 1) Finding the circumference of the container:

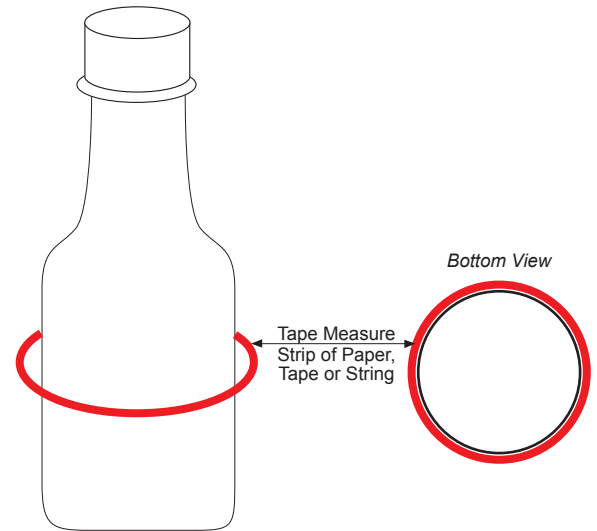
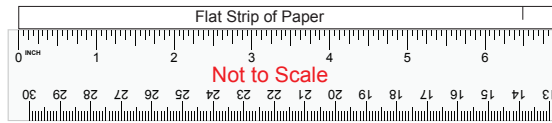
Using Method a) or b)

a) With a flexible tape measure:

- Wrap it around the widest point of the container.
- Locate the “zero” on the tape measure and note the highest value achieved at the point where it lines up exactly with the “zero”.

b) With a Strip of Paper, Tape or String:

- Wrap the paper or string around widest point of the container and make a mark at the point where it overlaps.
- Lay out the paper or string straight on a flat surface and use a ruler to measure the paper.



****Note: Always round up to nearest millimeter**

mm = millimeter
in. = Inches

25.4mm per Inch

Examples: The circumference of the container is measuring 6.5 Inches.

Step 2) Convert Inches to Millimeter: (Only if Inches are used).

If Millimeter are used for the measurements above skip this Step and go Step 3

To determine the circumference of your shrink sleeve in Millimeters, use the following formula.

The circumference measurement using Inches was obtained from above example (6.5in).

$$\text{Inches} \times 25.4 = \text{Millimeters}$$

Example:

- 6.5 in. x 25.4 = **165.1 mm
- Round up**165.1 mm = 166mm
- 166mm is your circumference

Step 3) Calculating the Layflat:

To determine the layflat of your shrink sleeve, use the following formula.

The circumference measurement was obtained from above example (166mm).

$$(\text{Circumference in millimeters} \div 2) + 2\text{mm} = \text{Approximate Layflat}$$

Example:

- 166mm \div 2 = 83mm
- 83mm + 2mm = 85mm
- 85mm is your approximate layflat

The information above is for determining an approximate layflat size.

The final layflat size can vary and is best if the container is evaluated by our Engineering Dept.

Testing under actual conditions in your facility is also highly recommended.

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Determining Shrink Sleeve Cut Length

Finding the Cut Length of the Shrink Sleeve.

Step 1) Finding the Cut Length of the shrink sleeve(over the cap).(Figure A) Using Method a) or b)

a) With a flexible tape measure:

- Place the open end of the tape measure to where you want the shrink sleeve to start.
- Follow the contour of the container to where you would want the shrink sleeve to stop on the container and note the value achieved at the point.

b) With a strip of paper or tape

- Place one end of the strip of paper or tape at where you want the shrink sleeve to start.
- Follow the contour of the container to where you would want the shrink sleeve to stop on the container and mark the paper or tape.
- Lay out the paper or tape straight on a flat surface and use a ruler to measure from the beginning to the mark on the paper or tape.

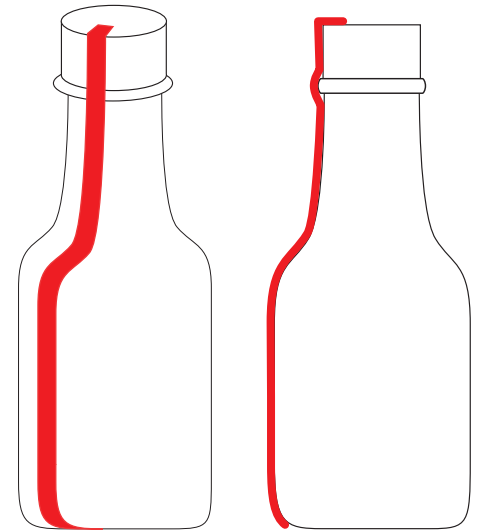
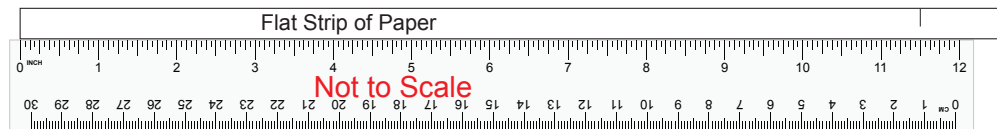


Figure A



Step 2) Convert Inches to Millimeter: (Only if Inches are used).

If Millimeter are used for the measurements above skip this Step and go Step 3

To determine the cut length of your shrink sleeve in Millimeters, use the following formula.

The cut length measurement using Inches was obtained from above example (11.5in).

$$\text{Inches} \times 25.4 = \text{Millimeters}$$

Example:

- 6.5 in. x 25.4 = **292.1 mm
- Round up**292.1 mm = 293mm
- 293mm is your cut length

**Note: Always round up to nearest millimeter

mm = millimeter

in. = Inches

25.4mm per Inch

*The information above is for determining an approximate layflat size.
The final layflat size can vary and is best if the container is evaluated by our Engineering Dept.
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<http://www.Ameri-Seal.com>

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