

Dimensions of threads on plastic bottles

- [INFORMATION](#)



Thread dimensions, unlike thread measurements, which you can consult [here](#), are used in the manufacture of plastic containers as well as lids.

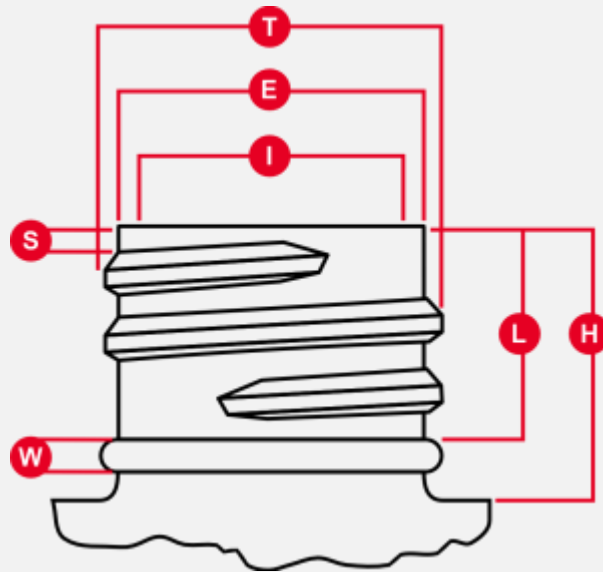
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Identification letters of thread measurements



As you can see in the image above, the letters used to identify each of the thread measurements are established in the standard for the manufacture of plastic containers, so they are identification letters with international recognition. The most important measurements that must be taken into consideration for the manufacture of a container or lid are the measurements "T", "E" and "H". Measurement "I" is mainly important for manufacturers of caps or inverted caps, so it is necessary that there is good communication between the manufacturer of the container and the manufacturer of the inverted cap. It is also important if the container is going to use a lid with an integrated liner or cap to prevent spills. Measurement "I" tends to have more variations due to the process used to manufacture polyethylene containers. That is why it is more complicated to approve this measure. In the case of PET containers it is easier to control this diameter. The "S" measure is not that important, many people do not even know it exists, the "W" is arbitrary since it depends on the designer of the container as well as whether it is intended to be used as a centering ring for the lid, a rest for the lid or merely for decoration or it may simply not exist on the container.

The "L" only applies if the measurement "W" exists and is normally replaced by the letter "H" to refer to the height of the thread or cap.

Meaning of the measurements "T", "E" and "H"

As we mentioned before, the measurements "T", "E" and "H" are usually the most important, without neglecting the "I" of course. In the "T" and "E" socks is where we emphasize that you base yourself on the rules to avoid bad experiences.

All measurements must be expressed in millimeters and in the case of using the English or Anglo-Saxon measurement system, they must be expressed in thousandths.

If you need to easily convert between measurements, you can consult our equivalence table.

The "T" measurement

This refers to the diameter of the rope, on the packaging it is also known as "over rope", on the lids it is called "under rope".

Measurement "E"

This measurement indicates the diameter of the neck before the rope, on the packaging it is also known as "under rope" and on the lids it is called "on rope".

The "H" measurement

The measurement "H" is responsible for indicating the height of the neck of the container or the height of the lid.

This measurement is subjective since it will depend on the design of the container, whether it has heights "L" and "W", or as we mentioned previously, if they are taking the height "L" as the "H".

Normally the height "H" will be taken from an aesthetic position or the one you want the lid to reach.

Of course, the fact that it is a subjective measure does not mean that it is no less important, it is just as important as the other measures, it is just that it is not as attached to the measures recommended by the standards.

If the container or lid manufacturer does not match the height "H", the lid may look short or be very long, causing it to not close correctly.

Measurement "I"

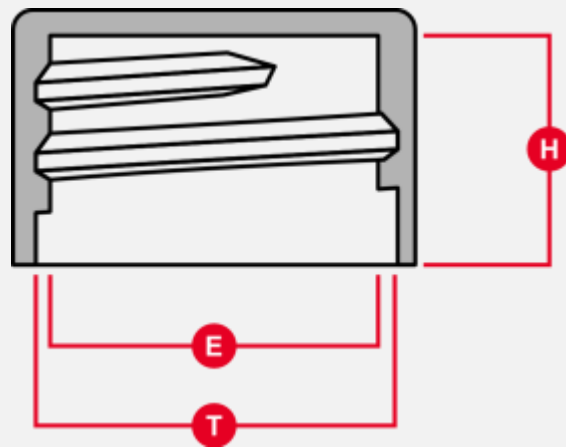
Last but not least, measure "I". This refers to the internal diameter of the neck.

Cap thread dimensions

There is no standard for the manufacture of lids since it is the same standard used for the manufacture of plastic containers.

The measures set out in said standard apply to both the manufacturing of containers and the manufacturing of lids.

Of course, the measurement will have to be adapted to the nature of the lid.



The lids use the same letters that are used for the containers, however they are identified in another way, the measurement "T" on the lid corresponds to the measurement

"under rope", the measurement "E" is equivalent to the measurement of the "over rope" and the measurement "H" will be taken into account from the inside of the cover.

The largest manufacturers of caps and dispensers take the standards for the manufacturing of their products very seriously, this allows them to market their products to the whole world with the certainty that, if the standards were respected in the manufacturing of the containers, Your products will be perfect.