

# Paper Tube Size Chart

All tube dimensions below are planning targets: inner diameter (ID) x usable inner height. They are not stock guarantees or assembled outside dimensions.

## Planning examples by application

| Application        | ID x inner height (mm) | ID x inner height (in) |
|--------------------|------------------------|------------------------|
| Cosmetics          | 25 x 90                | 0.98 x 3.54            |
| Cosmetics          | 35 x 120               | 1.38 x 4.72            |
| Cosmetics          | 40 x 150               | 1.57 x 5.91            |
| Candles            | 70 x 100               | 2.76 x 3.94            |
| Candles            | 80 x 120               | 3.15 x 4.72            |
| Candles            | 90 x 150               | 3.54 x 5.91            |
| Tea & coffee       | 76 x 150               | 2.99 x 5.91            |
| Tea & coffee       | 90 x 200               | 3.54 x 7.87            |
| Tea & coffee       | 99 x 250               | 3.90 x 9.84            |
| Food & supplements | 65 x 120               | 2.56 x 4.72            |
| Food & supplements | 83 x 150               | 3.27 x 5.91            |
| Food & supplements | 99 x 180               | 3.90 x 7.09            |

## Initial fit calculation - no insert

Target ID = maximum product diameter + total diametral clearance. Target usable inner height = full product height + height allowance. Body OD is approximately ID + 2 x finished wall thickness.

Example: a 70 x 100 mm product + 2 mm diameter clearance + 5 mm height allowance gives a 72 x 105 mm internal target (2.83 x 4.13 in). At 1.5 mm wall thickness, approximate body OD is 75 mm (2.95 in).

The 2 mm diameter allowance means 1 mm per side when centered. Confirm the lid, bottom, insert, external height and manufacturing tolerances on a drawing and physical sample.

## Measurement checklist

Product maximum diameter and full height / filled weight / material / insert and liner / lid style / quantity per design / manual or automatic filling / destination and shipping conditions.

1 in = 25.4 mm. Inch values are rounded for reference. For direct-fill products, provide fill weight and bulk density; these dimensions do not establish capacity.