

Aluminium Screw Caps

A screw cap is a metal cap that screws onto threads on the neck of a bottle, generally with a metal skirt down the neck to resemble the traditional wine capsule ("foil"). A layer of plastic (often PVDC), cork, rubber, or other soft material is used as a seal to make a seal with the mouth of the bottle.

Aluminium screw caps are closures made from aluminium that are used to seal containers, jars and bottles. These caps are commonly found in the beverage industry, especially for products like wine, spirits, and non-alcoholic beverages, as well as in pharmaceuticals and food packaging. An aluminium screw cap for bottles and jars adds to your packaging solution while also giving it a high-end look.

Aluminum screw caps are mainly used for bottling spirits, closures with the dimensions 31.5×24mm and 31.5×44mm with olive oil pourers are also used for sealing olive oil and closures with 28×15.4mm with PVC compound can be used for bottling carbonated drinks.

Specification of Aluminium Screw Caps:

Aluminium Alloys	1050, 1070, 3105, 8011
Liner Options	PE Foam, Composite Material, Pulp and Aluminium, Pulp and Polymer, Heat Seal, Pressure Sensitive, Plastic Sol
Surface Finishes	Brushed Aluminium, Polished, Anodized, Lacquer Coating, Color Coating (Silver, Blue, Black, Gold, etc.)
Diameter Range	18 mm – 53 mm
Common Sizes	28x15 mm, 30x21 mm, 30x35 mm, 30x60 mm, 53-400, 24x400, 18x400mm, 20x400mm
Thread Type	Continuous Thread (CT), Roll-On Pilfer Proof (ROPP), Push & Turn
Customizations	Embossing, Debossing, Laser Engraving, Custom Logos
Certifications	FDA Approval, EU Food-Grade Compliance, ISO Standards
Cap Height Range	Short, Medium, Tall
Compatibility	Glass Bottles, Plastic Bottles, Jars, Metal Containers
Applications	Beverages, Wine, Food Products, Pharmaceuticals,

	Cosmetics, Personal Care, Olive Oils, Chemical Products
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Advantages of Aluminium Screw Caps:

- *Decoration craft: We can offer the litographic printing, embossing, UV printing, hot foil and the silk screen
- *Different liners: We also can offer different liner, such as the saranex, sarantin, PE liner, PE liner with QR code.
- *Appearance: color can be customized, tear liner can be on the aluminum screw caps, It's easy to open for customers.

Decoration Craft



Embossing

Top printing

Side printing

Hot stamping

Screen printing

Common Sizes of Aluminium Screw Caps:

Specification	Diameter	Total Height	Color	Liner
18	18mm	12/14/11mm	Silver, Gold, Black, Red, or Customized Colors.	PE, TPE, Rubber, Silicone, Aluminum Foil, Plastisol, Pressure Sensitive Liners.
20	20mm	12mm		
24	24mm	13/15mm		
28	28mm	13/15mm		
31	31mm	14mm		
38	38mm	11/13mm		
45	45mm	13mm		
52	52mm	13mm		
53	53mm	13mm		

The Features of Aluminium Screw Caps:

- Leak-proof: aluminium caps can be perfectly airtight thanks to an EPE liner! EPE liners help to compensate for the rigidity of the metal by perfectly joining the edges of the bottles and jars.
- Recycling: aluminium caps are 100% recyclable. In addition, the metals already contain some recycled material, for the most part. These metal caps are thus perfectly in line with an eco-friendly approach!
- Customisable: aluminium caps can be customised by embossing. This customisation will give your finished product a unique

look.

- Aesthetic: Aluminium caps are appreciated for their design. The look of brushed aluminium can also be used to give your product an authentic or modern touch. These caps are often used by high-end brands to highlight their positioning.

Manufacturing Process

Stamping: Aluminium sheets are processed into the initial bottle cap shape through stamping equipment.

Thread Processing: Professional molds are used to process threads on the bottle caps, ensuring compatibility with the bottle mouth.

Surface Treatment: Spraying, anodizing, or printing processes are performed according to requirements.

Sealing Gasket Assembly: Sealing gaskets are installed for specific purposes to enhance leakage prevention.

Quality Check:

Testing

1. Bottle cap testing items

- Sealing test (test whether the surface of the cap is good after sealing)
- Twist-off force test (1.0 or less is more suitable, if the value is high, it is difficult to twist)
- Sealing test (for gas-free liquid, use water to invert and evacuate)
- Vapor tightness test (for gas-containing liquid, there are positive and negative pressure tests to test whether there is gas leakage)
- High temperature resistance test (90 degree high temperature resistance test, 121 degree high temperature resistance test)

2. Carton testing items

- Compression test (whether the carton breaks after the cap is installed)
- Vibration test (test whether it can withstand shaking)

