



Center Ejector Caps

The center eject aluminum cap is an aluminum sealing device that opens by pressing or ejecting the center part. Its design combines anti-theft and convenience, and is commonly used in packaging scenarios that require high-frequency opening or tamper-proofing. The top is designed with ejector piece, screw the cap, the ejector pops out, non-recoverable, the inner part can be anti-pouring, can be decorated with hot stamping, silk screen printing and so on.

The Structure of Center Ejector Caps:

- Aluminum: typically 3105 aluminum alloy (0.2-0.3mm thickness) with either plated or painted finish.
- Center top exit piece: located in the pressable area on the top of the lid, with a pre-set scoring or weakened structure to achieve a directional break.
- Sealing Gasket: Food grade silicone or TPE material to ensure sealing before opening.
- Anti-theft ring (optional): Integrated disposable break ring to indicate if it has been opened illegally.

Common sizes and specifications:

| Bottle Neck Diameter | Cap Height | Ejector Tab Diameter | Application Examples |
|----------------------|------------|----------------------|-------------------------------------|
| 28mm | 15-18mm | 8-10mm | Soy sauce bottles, medicine bottles |
| 30mm | 18-22mm | 12-15mm | Dairy and lubricant bottles |
| 33mm | 20-50mm | 15-18mm | Large volume chemical bottles |

Working Principle of Center Ejector Bottle Caps:

- Press ejector:

Pressure is applied to the center area of the cap top, the internal pre-set scribe line breaks, and the ejector piece is recessed inward, creating an opening.

Ideal for scenarios where the cap does not need to be completely removed (e.g., condiment bottles, medicine bottles).

- Removal after ejection:

Once the ejector tab is completely disengaged, the contents can be poured out directly, with the remaining cap body remaining fixed to the bottle opening (e.g. certain ready-to-drink beverages).

Benefits of Center Ejector Caps:



Convenient to open: no need to rotate or tools, one-handed press can be used, suitable for elderly or child users.

Anti-counterfeit and anti-theft:

One-time ejector piece design, can not be recovered after opening, eliminating secondary filling.

Optional integrated anti-theft ring, double security.

Reliable sealing: Silicone gasket ensures airtightness before opening (oxygen permeability $\leq 0.1\text{cc/day}$).

Environmentally friendly: Aluminum is 100% recyclable and meets EU EPR and other environmental regulations.