



## Twist Off Tamper Evident Caps

The twist off tamper-evident cap is a packaging design that achieves tamper-evident functionality through its physical structure, and is commonly used in scenarios where it is necessary to ensure that the product has not been opened. Using twist off tamper evident caps help high-value goods such as alcohol (e.g. high-end liquor and wine), pharmaceuticals, cosmetics, etc., to ensure sealing and safety.

### Structure of Twist Off Tamper Evident Caps:

- Breakage design: The top of the cap is equipped with a ring structure (tamper-evident ring), which is connected to the cap body through 2-3 pre-cut connection points. When torque is applied, the connection points break precisely and the ring is separated from the main body and cannot be recovered.
- Aluminum: thickness is usually controlled at 0.2-0.3mm, balancing lightness and structural strength. The connecting point is partially thinned to less than 0.15mm to ensure ease of breakage and to avoid accidental breakage during transportation.
- Inner: A combination plastic inner plug is added to control the flow rate and prevent backflow, among other features.

### Tamper Evident Design:

1. Anti-counterfeiting ring design: a ring of scored aluminum surrounds the bottom of the cap and is connected to the cap body by a tiny "connecting bridge".
2. Twist-off action: when the bottle is opened for the first time and the cap is rotated, the connecting bridge breaks due to torsion and the tamper-evident ring separates from the cap and remains in the mouth of the bottle, creating evidence of irreversible opening.

### Typical Application of Twist Off Tamper Evident Caps:

- Pharmaceuticals/health care products: such as vitamin bottles, fish oil capsules, to prevent double filling.
- Alcohol: High-end liquor and wine, to enhance the anti-counterfeiting level.
- Cosmetics: serums, creams, safeguard product hygiene.

### Advantages of Twist Off Tamper Evident Caps:

- Anti-counterfeiting function: the twist-off design makes the cap unrecoverable after opening, which is convenient for identifying whether the product has been opened or tampered with, and enhances the safety and credibility.
- Good sealing: Aluminum has good sealing performance, which can effectively prevent air and moisture from entering and maintain the freshness and quality, especially suitable for beverages, pharmaceuticals that are susceptible to the external environment.



- Corrosion resistance: Aluminum material has strong corrosion resistance, not easily eroded by acids and alkalis and other chemicals, suitable for many types of liquid packaging.
- Recyclability: Aluminum is a recyclable material, in line with environmental requirements.
- Aesthetics: Aluminum bottle caps can be surface treated in a variety of ways, such as spraying, printing, etc., which can enhance the appearance of the product and brand image.
- Wide applicability: twist-off aluminum caps are suitable for a wide range of bottle types and liquids, and are widely used in beverage, cosmetic, pharmaceutical and other industries.