

Metal Closure Programme

Twist-Off® and PT Closures (Press-On Twist-Off®)

Twist-Off® and PT closures (Press-On Twist-Off®) seal vacuum-packed and aseptically vacuum-packed foods and beverages in glass containers.

Both closures are tamper-proof closures. They are non-breathing and guarantee absolute tightness and maintain the quality of contents for long periods.

Special compounds and lacquers are available to match the various product characteristics and processing conditions. Nothing goes in, nothing comes out, from the moment the container is sealed until it is opened for the first time by the consumer.

The Vapour Vacuum® system which seals the product using the vapour vacuum method provides the guarantee for this. This vacuum is created and controlled by the sealing machine irrespective of filling conditions.

When a container is sealed, the Vapour Vacuum® system removes the oxygen almost completely from the head space of the glass container, substantially reducing vitamin degradation to sustain product quality for a longer period.

Apart from these processing advantages, the Vapour Vacuum® system also permits continuous integrity checks of the packaging and vacuum. The checks are carried out automatically by dud detectors after sealing.

Twist-Off® and PT closures permit enhanced offset printing and can convey customer-specific messages.

Together with the Silgan White Cap sealing machines and auxiliary equipment as well as

the extensive range of service support, Twist-Off® and PT closures are ideal for the wide-ranging requirements of demanding customers.

Closure Designations

➤ Safety Button

Raised circular portion in the centre of the cap as tamper-evident feature (visual and audible vacuum indicator)

➤ Deep

Deep-drawn cap with an overall height of approx. 15mm

➤ Fluted

Fluted cap skirt for a better grip

➤ Medium

Medium-drawn cap up to an overall height of approx. 13mm

➤ PT

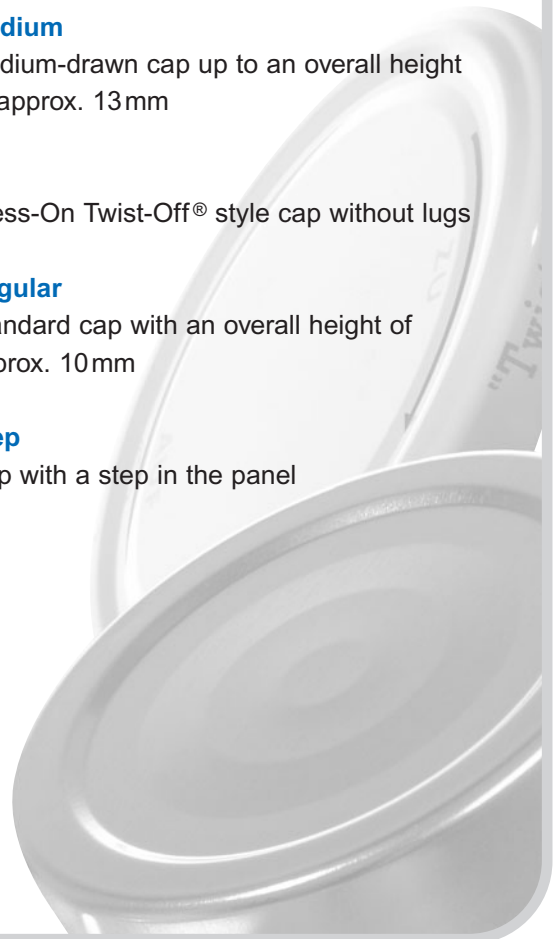
Press-On Twist-Off® style cap without lugs

➤ Regular

Standard cap with an overall height of approx. 10mm

➤ Step

Cap with a step in the panel



Closure Details

➤ Regular

- RRP Regular Twist-Off® with Recessed Panel
- RTO Regular Twist-Off®
- RTB Regular Twist-Off® with Safety Button
- RBR Regular Twist-Off® with Safety Button and reduced cap skirt height
- RUP Regular Twist-Off® with Panel
- RUB Regular Twist-Off® with Ultimate Safety Button



➤ Step

- RTS Regular Twist-Off® with Step
- RSB Regular Twist-Off® with Step and Safety Button



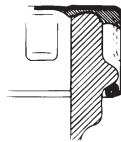
➤ Angled

- RTA Regular Angled Twist-Off®
- RAB Regular Angled Twist-Off® with Safety Button



➤ Fluted

- FSB Fluted Regular Twist-Off® with Step and Safety Button
- FAB Fluted Regular Twist-Off® with Safety Button



➤ Medium

- MTO Medium Twist-Off®
- MTB Medium Twist-Off® with Safety Button



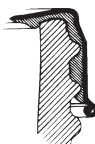
➤ Deep

- DTP Deep Twist-Off® with Recessed Panel
- DTO Deep Twist-Off®
- DTB Deep Twist-Off® with Safety Button
- DWO Deep Wide Mouth Twist-Off®
- DWB Deep Wide Mouth Twist-Off® with Safety Button
- TNB Extra Deep Twist-Off® with Safety Button



➤ PT

- PT Press-On Twist-Off®



Twist-Off® and PT Closures are suitable for the following processing methods, depending on the cap type

➤ Non treatment dry sealing:

Dry sealing by hand, no subsequent treatment OR Cap preheating with hot air, sealing with or without steam, no subsequent treatment

➤ Non treatment filling cold:

Cold fill, product temperature up to 70 °C, sealing with steam, no subsequent treatment

➤ Non treatment filling hot:

Hot fill, product temperature above 70 °C, sealing with steam, no subsequent treatment, re-cooling

➤ Pasteurisation without overpressure:

Cold or hot fill, sealing with steam, open bath / spray water / steam pasteurisation up to 98 °C, no overriding pressure

➤ Pasteurisation with overpressure:

Cold or hot fill, sealing with steam, retort pasteurisation up to 105 °C, with overriding pressure

➤ Sterilisation standard:

Cold or hot fill, sealing with steam, retort sterilisation up to 121 °C, with overriding pressure

➤ Sterilisation rotary retort:

Cold or hot fill, sealing with steam, rotary retort sterilisation up to 121 °C, with overriding pressure

➤ Non treatment filling aseptic:

Aseptic filling, sealing