

Tri-Sure[®]

44 mm Closures



The 44 mm **Tri-Sure®** Closure



Salient Features -

a) Material of Construction -

- Tin Plate - Prime Quality with 0.28 mm thickness Tin with 5.6 / 5.6 tin coating providing bright, lustrous finish that protects from discoloration and rusting.
- PVC Lining Compound that seals Nozzle with drum top providing 100 % leak proof ness
- Foam type Wad for sealing of Screw Cap.

b) Suitable for 10-30 Ltr Tin Coated/ plain drums.

c) Provides guaranteed protection from leakage and pilferage for aggressive paints/ solvents/ thinners

d) Proven closure system for the past 100 years !

Components of a 44 mm **Tri-Sure®** closure



ScREW Cap

- Creates torque to seal when tightened
- Seals the top edge of the nozzle by compressing the foam wad

Innser Seal

- Inserted and locked in place in the top Cavity of the nozzle
- Once inserted, cannot be removed without damage giving fool proof evidence of tampering.
- Inner seal is not designed to be a leak proof joint. It is merely tamper evident device.

Screw Nozzle

- Clinches (or gets permanently attached) with the Drum Top
- The lining compound creates a leak-proof joint
- Threading help assembly with Screw Cap

Lining Compound

- Provides 100% leak proof joint with drum top

**Empty drum is protected by a tightening the screw cap
Preventing contamination during transport of empties**

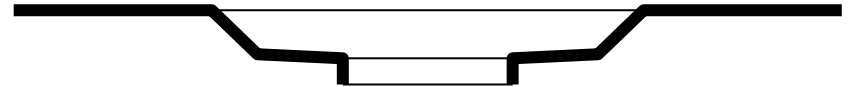


Drum Manufacturing

First Operation on Drum Top

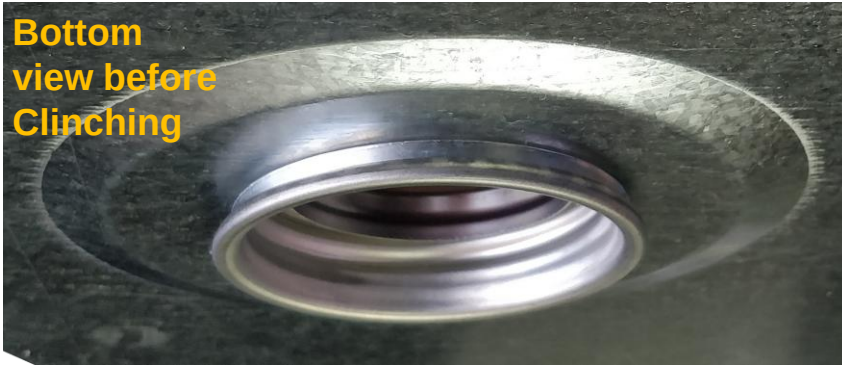


Bottom View

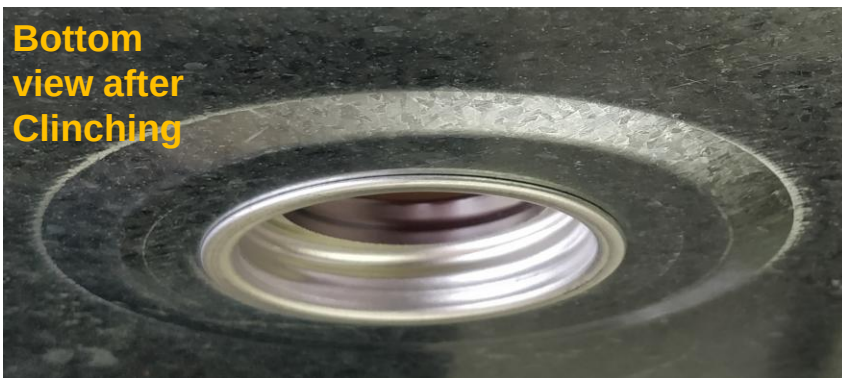


Second Operation on Drum Top (Insertion and Clinching)

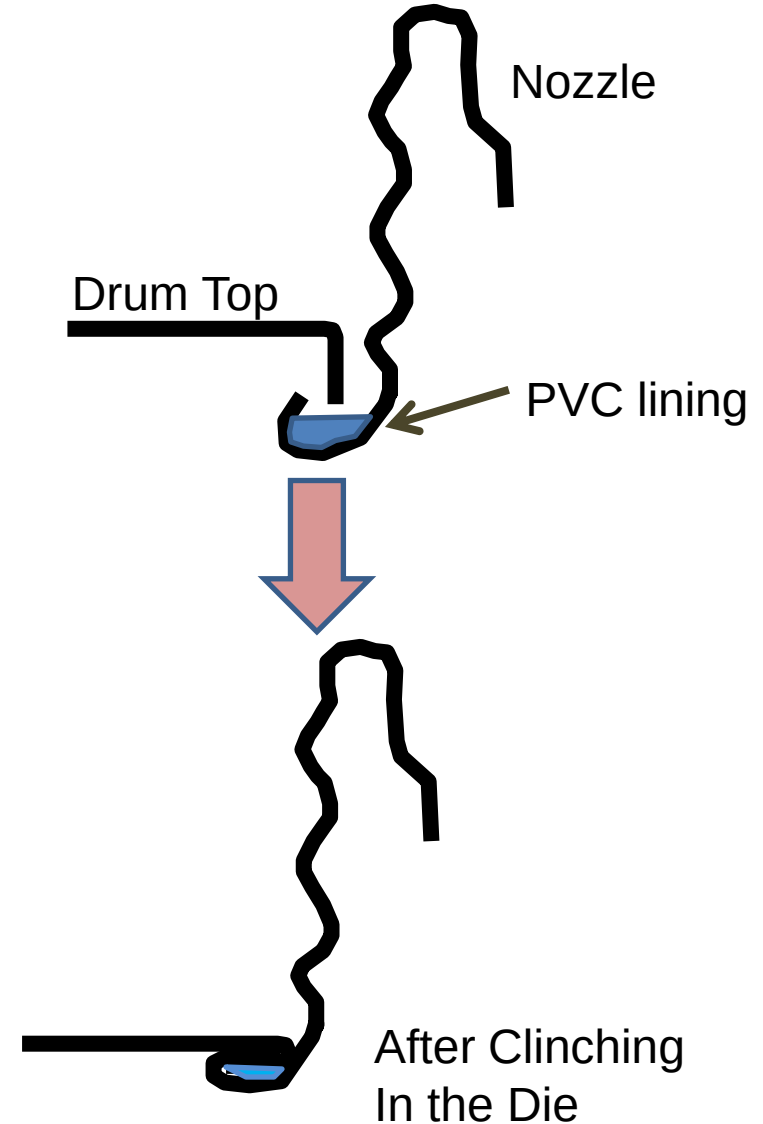
Bottom
view before
Clinching



Bottom
view after
Clinching



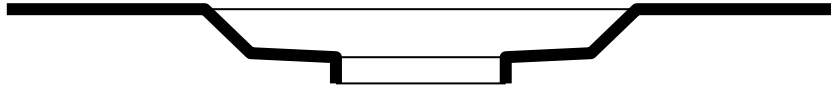
Top view
after
Clinching



**Empty drum is protected by a tightening the screw cap
Preventing contamination during transport of empties**



Tooling for Drum Manufacture



Die for Second Operation on
Drum Top
(Making a hole)



Die for Operation on Drum Top
(Affixing of Nozzle)

Tri-Sure® Closure System also consists of **Tri-Sure® Dies**

By using **Tri-Sure®** Branded Dies the drum users are guaranteed –

- A 100 % leak proof joint for each drum manufactured.
- On-site training of operating personnel for proper use of **Tri-Sure®** Closures
- Life long service back up from **Tri-Sure®** Engineers by on-site visits.
- Regular preventive checks of tooling and process for optimum performance
- Life long supply of tools to keep the dies running for peak performance

Drum Filling

Inner Seal Fixing Using special tool



Visual Check

- The top edge of nozzle should be smooth and round for proper sealing with screw cap wad
- It should be free of damage



- The inner seal should have seated fully in all around so that it is 100 % tamper evident

Fixing of Screw Cap

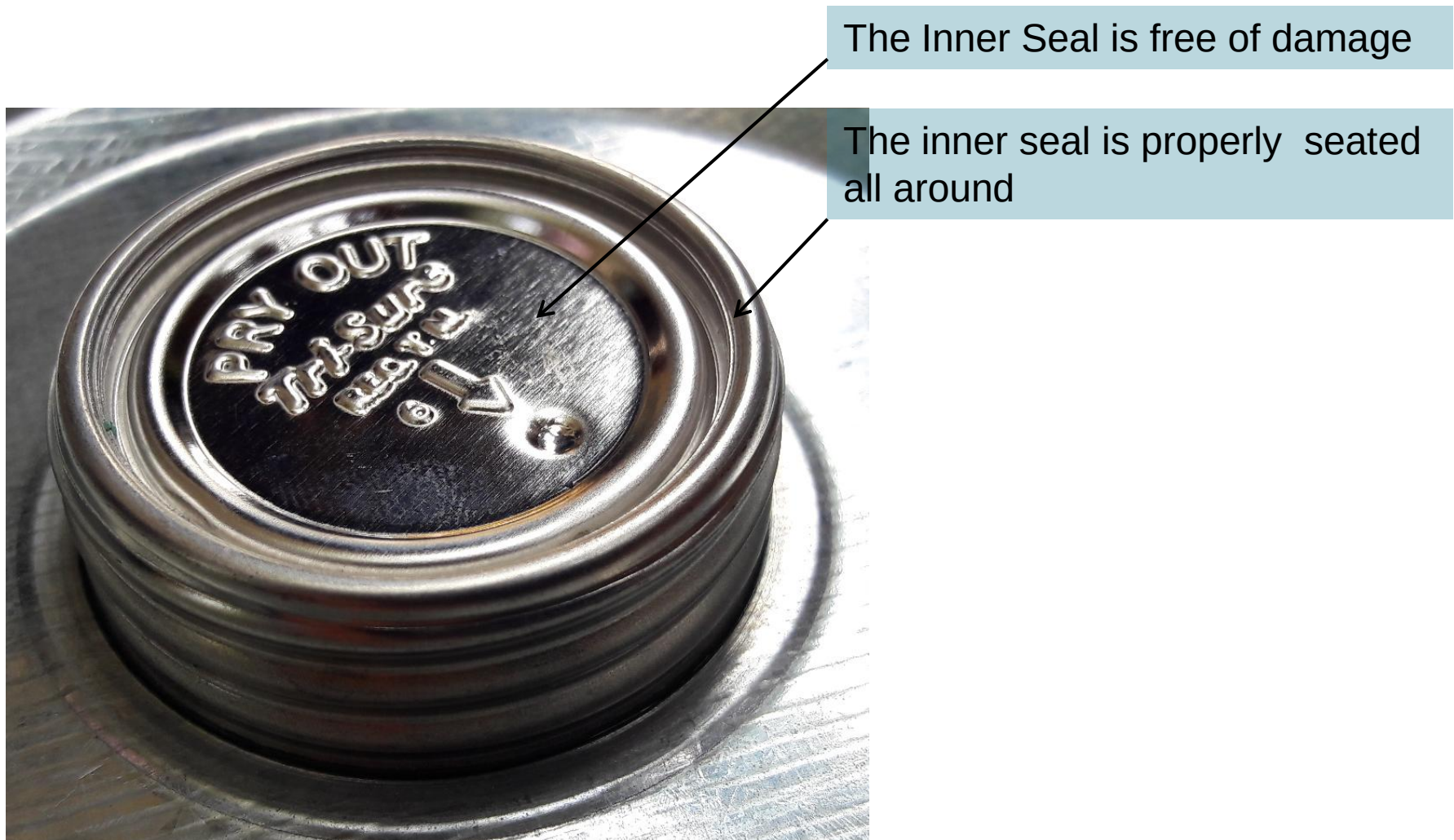
- With Tee tool provided tighten to the maximum extent possible for correct sealing



Drum End Users

Visual Check

To confirm that the product is not tampered of pilfered on the way



Tool for piercing and removing Inner Seal



Inner Seal
Affixing



Screw Cap
Tightening



Piercing
and
remvoing
the Inner
Seal

