

# The Anatomy Of A Failed Gasket

# SOLUTION:

# RUBBER FAB

The Perfect Surface  
Gasket System

Over compression  
caused **extrusion**  
**and tearing** beyond  
O.D. of sanitary  
ferrule

**Soiled area**  
jeopardizing product  
integrity

**I.D. and O.D. permanently**  
deformed leaving gasket  
unusable

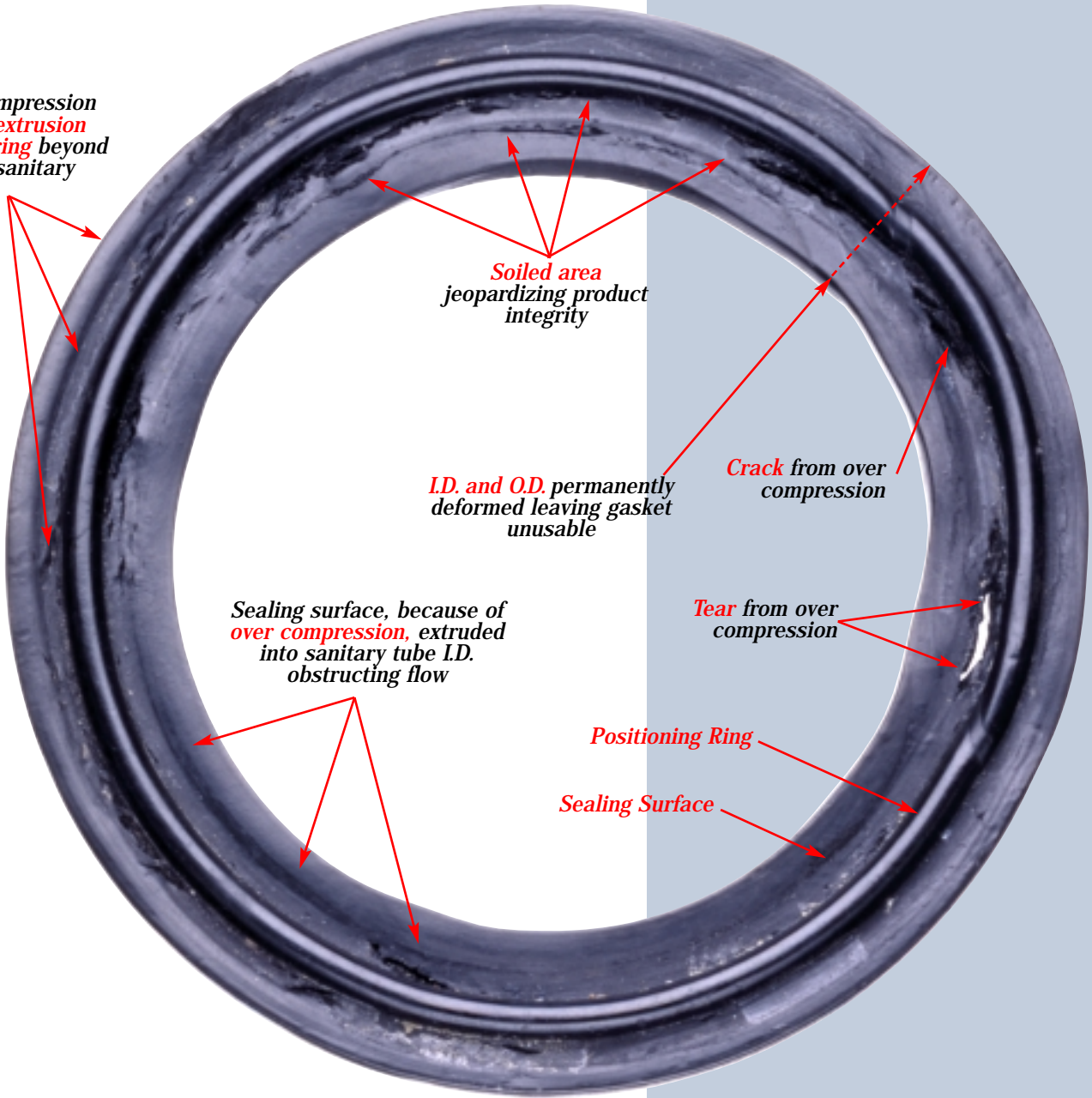
**Crack from over**  
compression

**Sealing surface, because of**  
**over compression**, extruded  
into sanitary tube I.D.  
obstructing flow

**Tear from over**  
compression

**Positioning Ring**

**Sealing Surface**



## Perfect Surface Gasket Benefits:

- Lower bacteria counts.
- Maintains/enhances product integrity.
- **Insures that gasket ID matches pipe ID.**
- Passes **US Pharmacopoeia Class VI-XXII certification.**
- Passes **cytotoxicity criteria.**
- Complies with **Title 21 CFR 177.2600.**
- Complies with **USDA and 3-A sanitary standards.**
- **Conforms to CGMP** (Current Good Manufacturing Practices).

## Torque Rite Features:

- An **audible “click”** indicating correct inch/pounds force.
- **Maintains constant 30 or 50 inch/pounds force.**
- **Manual override feature.**
- **Retrofits all sanitary clamps,** mini through 6".
- **Works in rupture disk applications.**
- **Works with all Smart Gasket™ products** including spore trap, thermocouple and sampler.
- **No torque wrench or special training required.**
- **User friendly.**

NOTE: All elastomeric gaskets require periodic replacement. Gasket life is influenced by the gasket material, product application, temperature, cleaning procedures, etc. After monitoring gasket condition in a process system, a schedule should be developed for periodic replacement of gaskets.

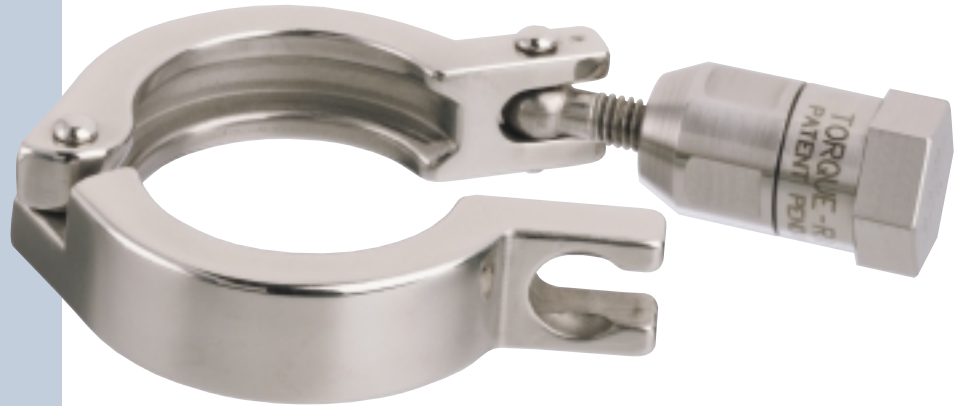
™ Smart Gasket is a registered trademark of Rubber Fab Technologies Group.



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Presenting Rubber Fab's **Perfect Surface Gasket System.** The perfect union of Torque-Rite and the Perfect Surface® Gasket.

**Torque-Rite** allows you to control compression and expansion while maintaining constant inch/pounds force insuring a Perfect Surface ID when used with a **Perfect Surface Gasket.** Torque-Rite eliminates the problems associated with over- or under-tightening a gasket which can lead to an unsanitary system.



**Compression control is easy!** When tightened, the Torque-Rite's self-limiting internal mechanism will make an audible **“click”** signaling the user they have reached proper inch/pounds force. If further tightening is attempted, there will be more **“clicks”** but no additional application of force on the gasket (if emergency conditions arise, the Torque-Rite has a built-in manual **override feature**).

