

The Anatomy Of A Failed Hygienic Seal

SOLUTION: RUBBER FAB

The Perfect Surface
Hygienic Seal 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 hygienic
seal 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 Hygienic Seal Benefits:

- Lower bacteria counts.
- Maintains/enhances product integrity.
- **Insures that gasket I.D. matches pipe I.D.**
- **Passes US Pharmacopeia Class VI 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).
- **Manufactured with Animal Derived Ingredient Free elastomers.**
- **Metal Detectable elastomers available.**

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.**

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

© Smart Gasket, Torque-Rite and ADI Free are registered trademarks of Rubber Fab Technologies Group.

Torque-Rite: United States Patent Number 6,082,941.

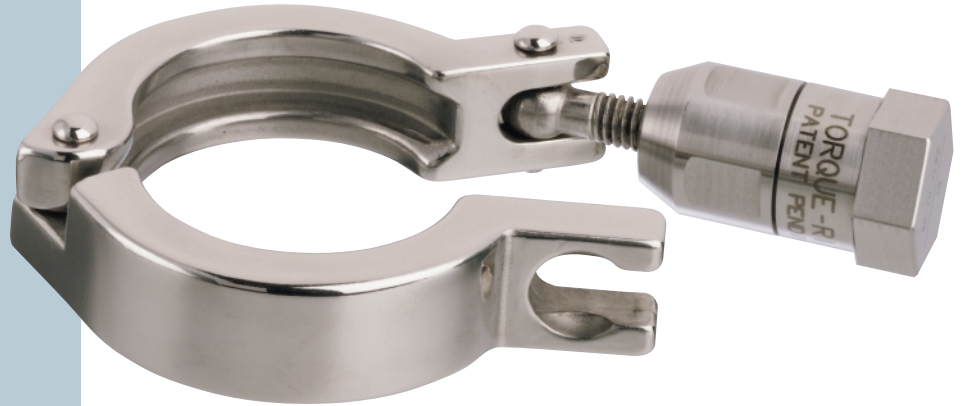
Rubber Fab Technologies Group's Metal Detectable products are patent pending.



Rubber Fab Technologies Group • Limecrest Road
P.O. Box 626 • Andover, NJ 07821
phone: 973-579-2959 fax: 973-579-7275
www.rubberfab.com

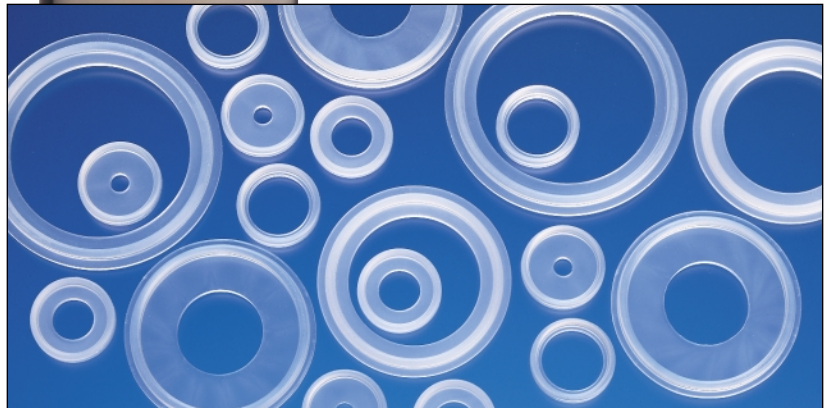
Presenting Rubber Fab's **Perfect Surface Hygienic Seal System**. The perfect union of Torque-Rite® and the Perfect Surface® Hygienic Seal.

Torque-Rite allows you to control compression and expansion while maintaining constant inch/pounds force insuring a Perfect Surface I.D. when used with a **Perfect Surface Hygienic Seal**. Torque-Rite eliminates the problems associated with over- or under-tightening a seal 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 hygienic seal (if emergency conditions arise, the Torque-Rite has a built-in manual **override feature**).



Rubber Fab Technologies Group is a member of:

