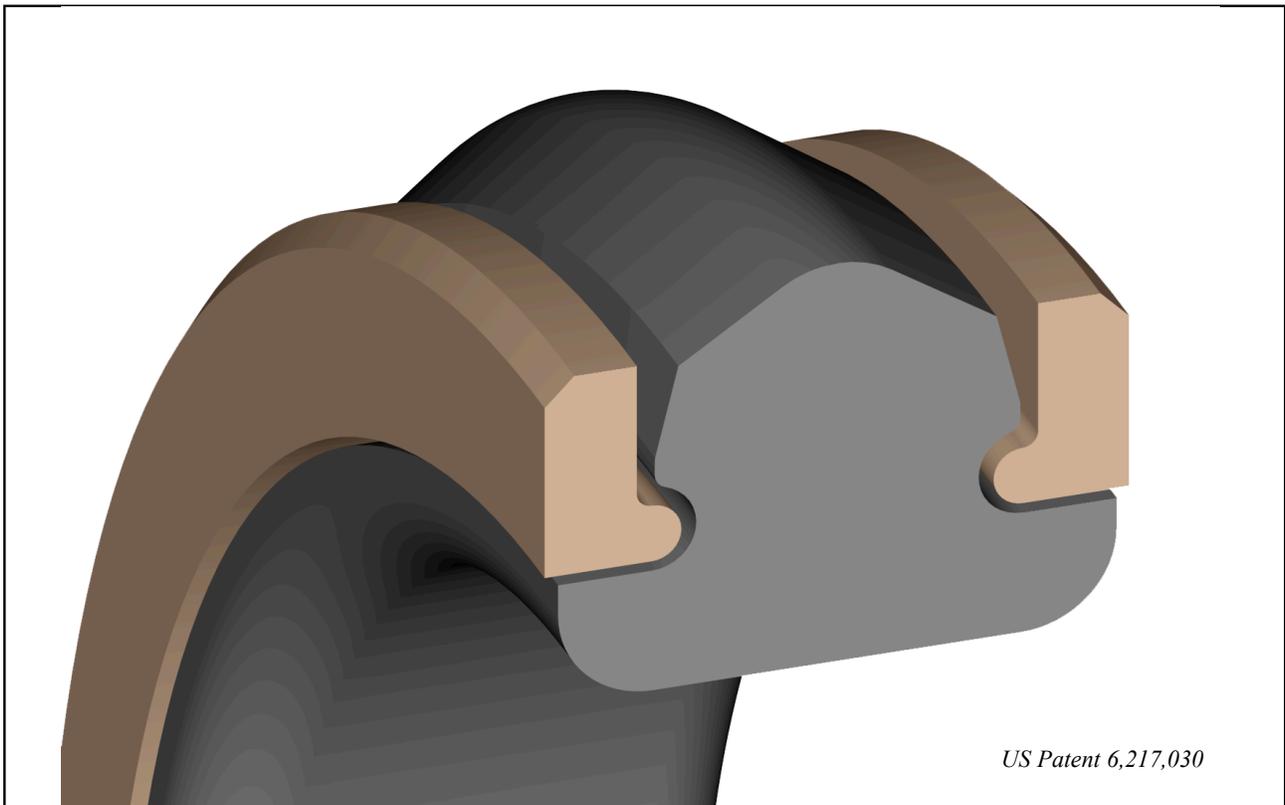


## Oilfield Locked T-Seal



## Features and Benefits

### Feature

- ▶ Net Molded Dynamic Surface.
- ▶ Outboard corner chamfers on Backup component.
- ▶ Axi-Loc backup retention interface.  
*Backup rings lock into T-Seal element when assembled in piston seal gland.*

### Benefit

- ▶ Dynamic surface free of defects from de-flashing the rubber T-Seal element. *Provides better seal/cylinder wall contact interface.*
- ▶ Aids in installation of Piston/T-Seal assembly into the cylinder bore.
- ▶ Reduces the possibility that the backup ring can be sheared off in a port or retaining ring groove during assembly.
- ▶ Reduces the chance of installing the backup ring incorrectly.

## Introducing . . .

- ▶ Hi-Tech Seals Inc. introduces a revolutionary concept for piston sealing applications. The Locked style T-Seal can replace conventional T-Seals in any piston T-Seal application. The Locked style T-Seal is available in the same selection of materials, for use in a wide variety of fluids and service conditions.

## How it Works . . .

- ▶ By preventing seal damage at assembly which is caused when the loose ends of conventional T-Seal anti-extrusion rings are sheared off, the Locked style T-Seal can reduce risk of early cylinder failure and costly repair and maintenance. Since it is almost impossible to install the anti-extrusion rings backward in the gland, risk of potential failure is avoided.

## The Result . . .

- ▶ The result is a reliable piston seal produced with the latest technology. Seal surface defects caused in finishing are not an issue, assembly damage is prevented and the product is based on a venerable and well-proven design.

### Common Materials

#### SEAL LIP MATERIALS

A-8501 - 70A NBR

C-7001 - 70A XNBR

C-7018 - 70A HNBR - oil resistant

C-7019 - 90A HNBR - oil resistant

V-7521 - 75A Genuine Viton®

V-7523 - 90A Genuine Viton®

V-7510 - 75A FKM - fuel resistant

V-7512 - 90A FKM - fuel resistant

V-7513 - 90A TFE/P

X-462 - Viton(R) ETP

Perfluoroelastomer materials are available. Contact

Hi-Tech Seals for details.

#### BACKUP MATERIALS

700 - Unfilled PTFE

706 - 15% glass fiber filled PTFE

711 - 25% carbon filled PTFE

707 - Nylon 6

745 - PEEK

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