

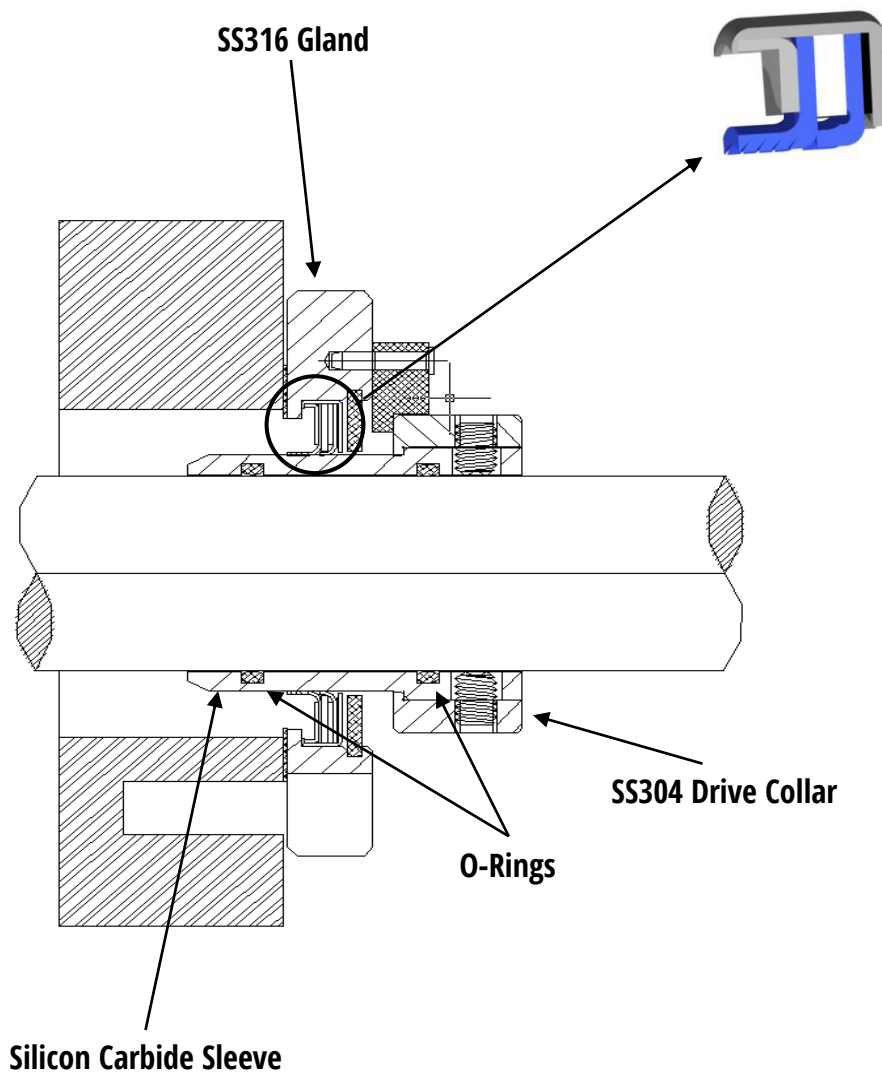
TuffSeal™ Details

Tuthill Delivers What Customers Want

"We want pumps that don't leak." / "We want a pump seal that can take whatever we dish out."

TuffSeal™ for Difficult to Seal Viscous Liquid Applications

- **Temperature** - Up to 375 °F Continuous, 400 °F Intermittent
- **Pressure** - Up to 300 psi
- **Run Dry** - Will tolerate intermittent run dry
- **Abrasive Solids** - Will tolerate moderate amounts of fine abrasive solids
- **Chemical Resistance** - Same as PTFE for lips. Choice of Viton® or Chemraz® for secondary seals



TuffSeall™ Unique Features for “Leak-Free Service”

Sealing Elements

- Proprietary Metal Filled PTFE Lips
- No Springs, Non-Clogging
- No Faces to Stick Together
- No Dynamic O-Rings to Hang Up
- Designed to Resist Fatigue and Extend Life

Silicon Carbide Sleeve

- Very Hard, Resists Abrasion, Grooving, or Fretting
- Eliminates Need for Hard Coatings
- Excellent for Dissipating Heat
- Positive Drive

Field Repairable

- Field Repair is a Press Fit of a New Insert
- Gland and Sleeve are Reused
- Repair Kits Available

Materials of Construction

Component	Standard	Optional
Sealing Elements	Proprietary Metal Filled PTFE	FDA PTFE
Sleeve	Silicon Carbide	
Gland	SS316	
Drive Collar	SS304	
O-Ring	Viton	Chemraz or FDA EPR

Applications

- Paints and Coatings
- Resins
- Glues and Adhesives
- Corn Syrup, Molasses, Liquid Sweeteners
- Asphalt
- Soap, Detergents, Personal Products
- Printing Inks
- Polymers
- Lubes and Greases

