

# TOD



Metal to metal sealing  
 Bi-directional tight shut-off.  
 / Achieved by introducing triple offset sealing technology.  
 Triple offset design with inclined conical sealing system.  
 / Eliminates rubbing and jamming associated with sealing surface contact.  
 Laminated metal or solid metal seat.  
 No fasteners on disc, one piece. structure.  
 Provides the non-friction motion.

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## Features



- ▶ Metal to metal sealing
- ▶ Bi-directional tight shut-off.  
/ Achieved by introducing triple offset sealing technology.
- ▶ Triple offset design with inclined conical sealing system.  
/ Eliminates rubbing and jamming associated with sealing surface contact
- ▶ Laminated metal or solid metal seat.
- ▶ No fasteners on disc, one piece. structure.
- ▶ Provides the non-friction motion.
- ▶ Robust single-piece shaft.
- ▶ Efficient operation with worm gear, electric, pneumatic or hydraulic actuators.
- ▶ Inherently fire safety design.
- ▶ Prolongs the service life by the replaceable seat ring structure.  
/ Field repairable.
- ▶ Availability for various applications.  
/ Available in a wide range of materials including special alloys capable of resisting corrosion.
- ▶ Provides low operating torque.
- ▶ Provides durable, wide temperature range.

## Applications in Major Industries

- |   |  |
|---|--|
| ▶ Petrochemical Plants  | ▶ Paper Industry                                 |
| ▶ Oil Production(On / Off shore Platforms)                    | ▶ Ship Building                                  |
| ▶ Power Plants (Hydroelectric / Nuclear)                      | ▶ District Heating (Transportation / Generating) |
| ▶ Oil Refinery  | ▶ General Industrial                             |
| ▶ Plant Engineering<br>(LPG / LNG Storage and Transportation) | ▶ Water / Sewage                                 |
| ▶ Gas Industry  | ▶ Chemical Plants                                |
| ▶ Pulp Industry   | ▶ Hydrocarbon Storage and Transportation         |
| ▶ Steel Mills   | ▶ Sugar Industry                                 |