

SPECIAL DUTY SEALS - SINGLE COMPONENT

TJS - THIN JUMBO SEAL

The SEPCO® TJS is a single rotary unit designed to mount internally on large rotating equipment. It is ideal for use on pressure screens and other types of equipment where a component seal design is required. Several mating ring types and materials are available for running in conjunction with the TJS.

Compact Design

The narrow cross-section and compact working length allows use in all types of seal chambers without requiring modifications.

Hydraulically Balanced

The internal balance feature reduces power consumption and permits use in higher pressures without expensive stepped sleeves. It also reduces hydraulic loads for cooler operation.

Resists Clogging

The design of the dynamic o-ring allows it to move toward a clean surface to compensate for seal face wear allowing installation on lubricating process liquids that contain suspended solids.

Isolated Multiple Springs

Multiple springs provide even mechanical loads for cooler operation. To prevent clogging the springs are isolated from the process fluid and made from Hastelloy to resist corrosion.

Static Shaft O-Ring

The o-ring that seals to the shaft / sleeve does not slide axially along the shaft as the unit adjusts for misalignment. This prevents fretting and eliminates shaft and sleeve replacement.

Field Repairable

Primary and secondary seal components can be easily replaced in-the-field for a fraction of the cost of a new seal reducing inventories and providing performance of a repaired TJS consistent to that of a new one.



TJS - SPECIFICATIONS

Metal Parts:

Standard metal parts and set screws: 316 SS
Standard springs and drive pins: Hastelloy® C

Face Materials:

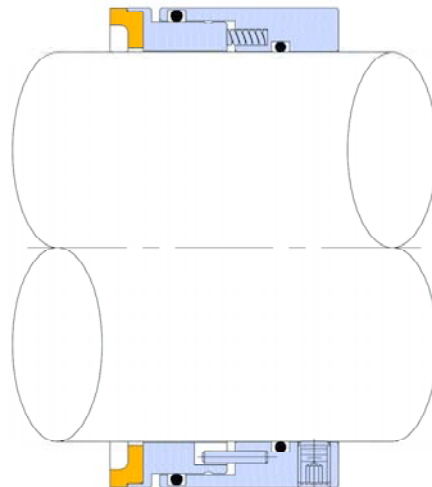
Standard: High quality chemical grade carbon-graphite
Optional: Solid nickel bound tungsten carbide

O-ring Materials:

Standard: Viton®, EPR and Aflas™
Optional: Perfluorinated Elastomers

Operating Capabilities:

Pressure: 350 psig (24 bar g)
Temperature: -20 to 400°F (-29° to 205°C)
Speeds: 5000 fpm (25 m/s)



Stationary seat rings must be ordered separately.
Please see page 37 for standard configurations.