

STANDARD COMPONENT SEALS

HDN - HEAVY DUTY NARROW SEAL

The SEPCO® HDN is a single, component, rotary unit designed to mount internally. Rotaries equipped with carbon faces are for use on clean liquids and siliconized carbon faces are preferred for sealing slurries. Several mating ring configurations and materials are available for running in conjunction with the HDN and must be specified and ordered separately.

Narrow Design

The small cross-section permits installation in stuffing boxes with minimal radial clearance.

Hydraulically Balanced

Internal balancing reduces power consumption and permits use in higher pressures by reducing closing loads that result in cooler operation and extended reliability.

Isolated Multiple Springs

Multiple springs provide even mechanical loads for cooler operation. To prevent clogging and corrosion they are isolated from the process fluid and manufactured from Hastelloy®.

Static Shaft O-Ring

The o-ring that seals to the shaft/sleeve does not slide axially as the seal adjusts for misalignment preventing fretting and eliminating the need to replace expensive shafts and sleeves.

Field Repairable

Components that wear during normal operation can be easily replaced in-the-field for a fraction of the cost of a new seal. This reduces inventory while providing performance consistent with a new seal. The repair kit feature also makes the HDN attractive for applications that require the use of expensive alloys.



HDN - SPECIFICATIONS

Metal Parts:

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

Face Materials:

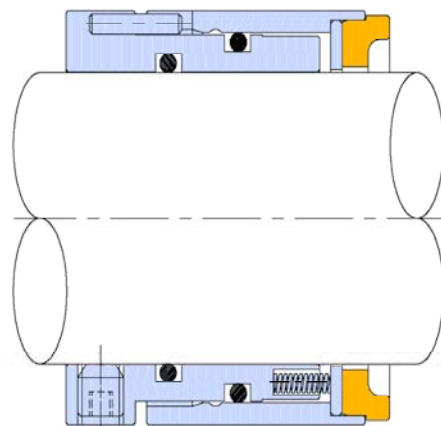
Standard: High quality chemical grade carbon-graphite and siliconized carbon
Optional: Solid nickel bound tungsten carbide

O-ring Materials:

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

Operating Capabilities:

Pressure: To 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.