AST 60 SINGLE INSIDE SEAL



The AST 60 is a simple and easily installed seal that can be used wherever a highly reliable, anti-clog seal is needed. Its narrow seal face design and hydraulic balance make it a cool-running seal. The floating rotary seal ring eliminates seal face distortion inherent to shrink fit designs. Since all the springs are isolated from the pumped fluid, flush rates can be reduced to minimize product dilution.

The AST 60 Seal is designed for use throughout the process industries:

- Food Processing

Mining Services

• Pulp and Paper

- Corn Processing
- Marine Operations
- Phosphate Production

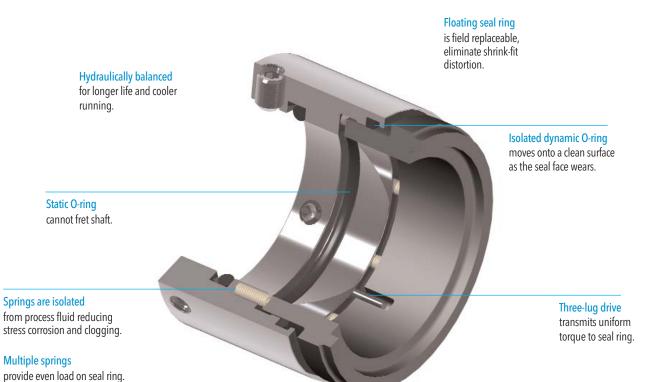
- Chemical Processing
- Sugar Refining
- Pharmaceuticals
- Petroleum Systems
- Water Treatment
- Power and Energy
- Brewing and Distilling
- Waste Treatment
- The AST 60 is easy to rebuild on site using standard tools, so you never have to wait for seal repairs, and you never have to worry about installing exchange seals that might have previously held hazardous materials.

ADVANCED SEALING TECHNOLOGY

Reliable Sealing for Rotating Equipment



<u>AST 60</u>



OFF THE SHELF...

AST 60 seals fit ANSI and DIN pumps with shafts from 0.75 to 4 inches, and from 18 to 100mm diameter.

SPACE REQUIRED

Shaft size	Radial	Length
0.750 - 1.375	0.312	1.375
1.500 - 2.500	0.375	1.750
2.625 - 4.000	0.500	2.000
18 - 35mm	8mm	35mm
38 - 55mm	10mm	45mm
58 - 70mm	12.5mm	45mm
75 - 105mm	14.5mm	50mm

MATERIALS OF CONSTRUCTION

Metal components:	316 Stainless Steel standard; Alloy 20, Titanium, and Hastelloy C-276 ¹ available
Rotating seal ring:	Carbon-Graphite or Graphite-Loaded Sintered Silicon Carbide
Stationary seal ring:	Sintered Silicon Carbide or Tungsten Carbide
Springs:	Hastelloy C-276
O-rings:	Fluoroelastomer, EPDM, Aflas ² , or Isolast ³ perfluoroelastomer

OPERATING LIMITS

Pressure:	28 in (710 mm) Hg vacuum to 400 PSIG (28 bar) maximum,
	depending on shaft size and speed.
lemperature:	To 500°F (260°C), depending on O-ring elastomer limits in fluid sealed

Notes: ¹Trademark of Haynes International Inc., ²Trademark of Asahi Glass Co. Ltd., ³Trademark of Busak+Shamban

ADVANCED SEALING TECHNOLOGY

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