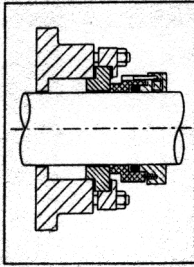




# MEMORY JOGGER

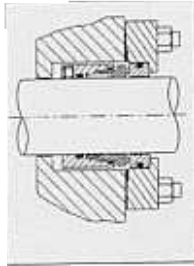
## AST MECHANICAL SEALS

### AST 50 Single, Outside Mounted, Balanced, Rotary Unit



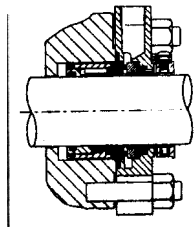
1. Floating Face Design, rotary face is not banded.
2. Narrow Face Design, less friction, less heat generation.
3. Non-fretting, secondary O-ring seal does not fret.
4. Springs are out of the pumped fluid.
5. Faces and gaskets are only parts that fluid contacts.
6. Select the proper L or T shaped stationary face.

### AST 60 Single, Inside Mounted, Balanced, Rotary Unit



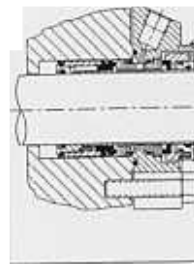
1. Floating Face Design, controlled stress & distortion.
2. Narrow Face Design, less friction, less heat generation.
3. Non-fretting of shaft or sleeve.
4. Springs are out of the pumped fluid & are Hastelloy C-276.
5. Easy to rebuild in the field or Service Center.
6. Balanced and fits on a straight shaft or sleeve.

### AST 70 Single Cartridge, Balanced Rotary Seal



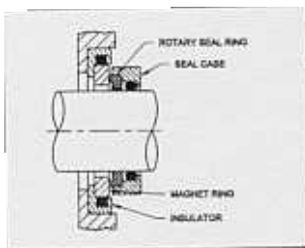
1. Floating Face Design, controlled stress & distortion.
2. Narrow Face Design, less friction, less heat generation.
3. Springs are out of the pumped fluid & are Hastelloy C-276.
4. Large annulus over stationary face, for cooling and cleaning.
5. Large injection port into annulus, no impingement on seal faces.
6. Self-aligning stationary face, mounted on an O-ring.
7. Gland is sealed to stuffing box by an O-ring, mounts square to stuffing box.

### AST 80 Double Cartridge, Double Balanced Seal



1. Floating Face Design, primary inboard rotary face.
2. Narrow Face Design, less friction, less heat generation.
3. Springs are out of the pumped fluid & are Hastelloy C-276.
4. Inboard Seal is double-balanced for O.D. and I.D. pressure.
5. Can be used as a Double or Tandem with high or low barrier fluid pressure.
6. Barrier fluid circulated by "Liquid Shear Pumping" through tangential parallel ports, inlet port, in direction of shaft rotation.
7. Only seal to have axial, hydraulic dampening, pressure surge protection.

### AST 40 Magnetic Seals to Seal Bearing Brackets & Gear Boxes



1. Makes a positive seal at each installed location.
2. Will meet EPA emission regulations, lip seals and labyrinth bushings will not.
3. Interchangeable with lip seals and labyrinth bushings
4. Cost effective, 98% of bearing failures are caused by less than 1% contamination of lubricating oil.
5. Use the AST PLAN 92 to hermetically seal bearing brackets.
6. Can be furnished for temperatures to 400°F & 2000 PSIG.