



Mechanical Seals are Machinery Elements for ATEX 2014/34/EU & IECEx equipment. Documentation available on request.

#### Pre-Installation Checks.

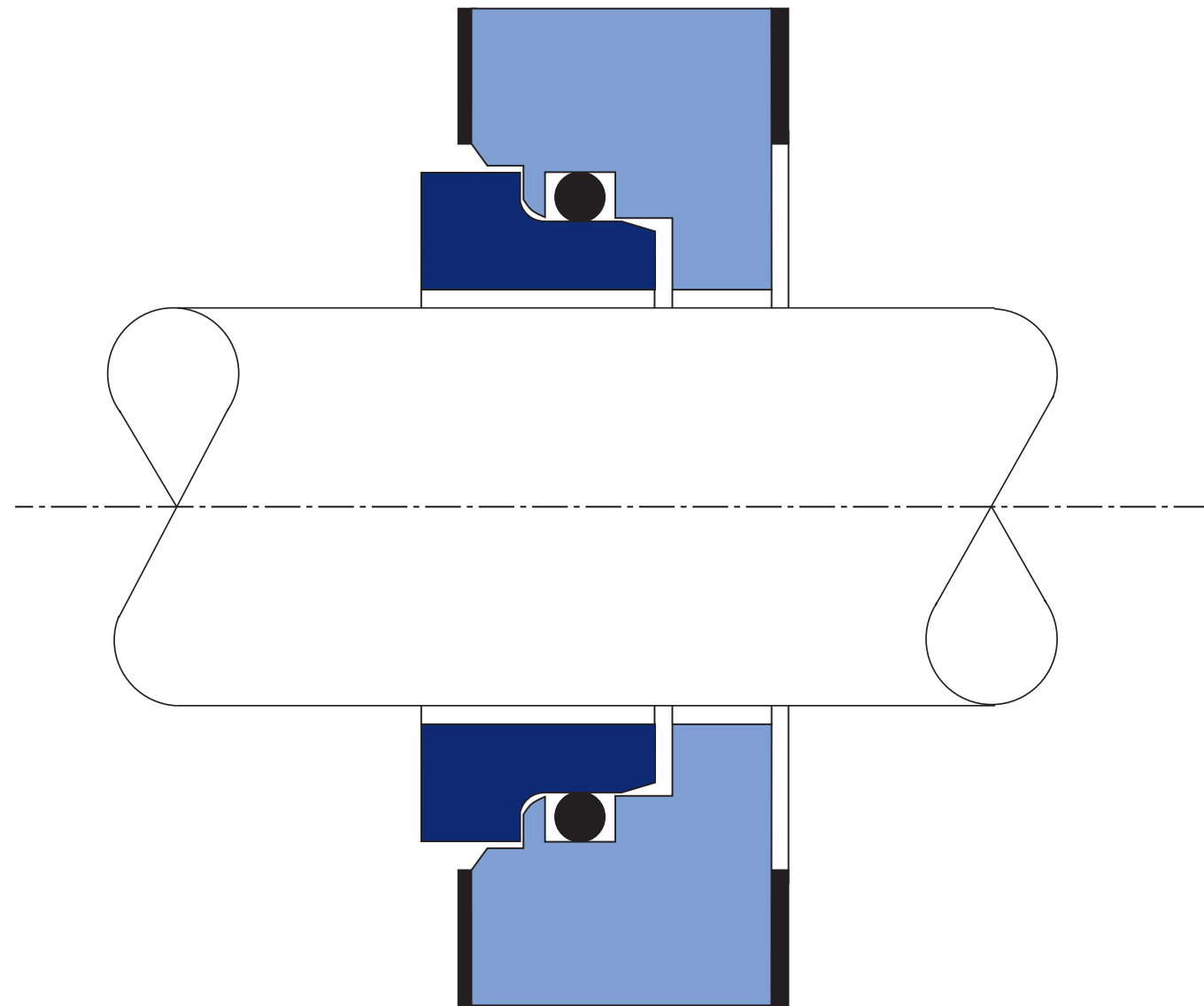
- (i) Shaft Outside Diameter is within tolerance  $\pm 0.002"$  ( $\pm 0.05\text{mm}$ ).
- (ii) Shaft run out  $< 0.004"$  (0.1mm) T.I.R.
- (iii) Shaft end float  $< 0.005"$  (0.13mm).
- (iv) Fluid seal can be obtained on the Stuffing Box face.
- (v) There are no sharp edges over which the seal 'O' Ring (1) must pass.

#### Installation instructions.

1. Install rotary seal as per the rotary seal installation details.
2. Slide the stationary and gland follower on the shaft.
3. Assemble the stuffing box housing on the equipment, and avoid damage to the seal and stationary at this stage.
4. Remove the protective plastic coating from the seal faces.
5. Offer the stationary and gland follower to the stuffing box. Use the shims provided to centre the stationary to the shaft by placing them between USI body and the shaft in three equi-spaced positions.
6. Tighten the gland follower down evenly to the stuffing box face.
7. Spin the shaft by hand. Listen and feel for any shaft binding etc.
8. Ensure the pump is primed prior to start up.



All metallic components are widely recyclable. Once the seal has reached the end of its life, it should be disposed of in accordance with local regulations and with due regard to the environment.



# NSI™

Cartridge Mechanical Seal

## INSTALLATION INSTRUCTIONS



II 2 G D

Ex h Gb/Db

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