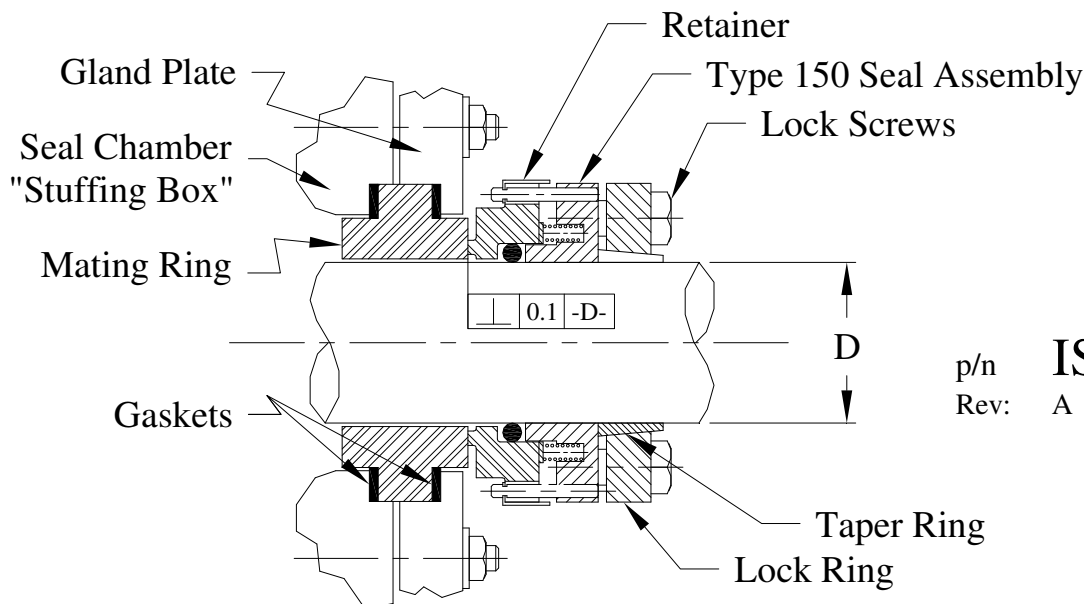


## Installing Type 150 External Seal

- 1) Verify equipment condition to meet specifications.
- 2) Shaft end and OD must be smooth & clear of burrs, leading edge corner chamfered or radiused.
- 3) Install Seal Assembly, Gland Plate, and Mating Ring with Gaskets in this order when installing from impeller side.
  - Reverse order when installing from the opposite end.
  - If Taper Ring gets caught, release from hug of Lock Ring.
  - If Taper Ring is too small to fit over shaft, remove it and slightly "stretch" to fit.
- 4) Tighten Gland Plate screws equally and such that Mating Ring is well centered and square with the shaft within 0.1 mm (0.005") – most important for seal life! Do not over-tighten!
- 5) Slide Seal Assembly to contact with Mating Ring after having had the faces thoroughly cleaned.
- 6) Tighten Lock Screws equally to secure the seal to the shaft.
- 7) Remove Retainers off the secured seal. If needed, carefully and gingerly push back the face against the springs to ease retainer removal.



p/n **IS150E**  
 Rev: A Date: 10Feb2010

*RP3*

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