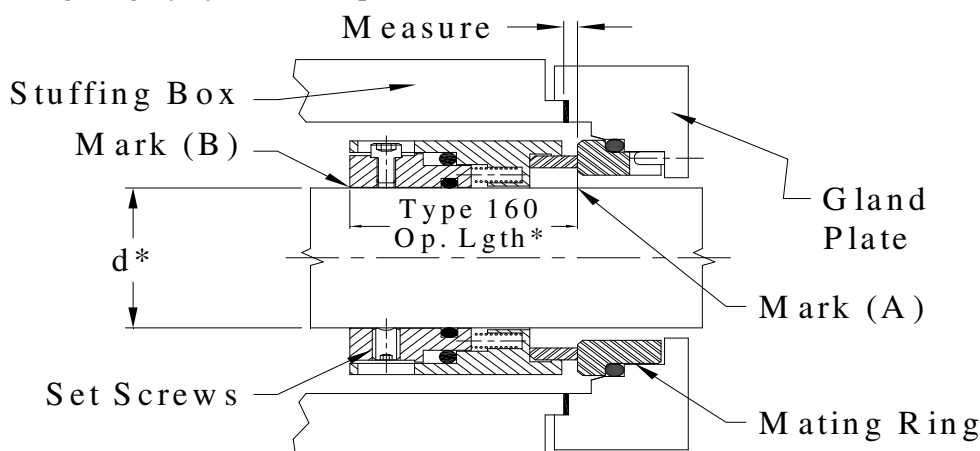


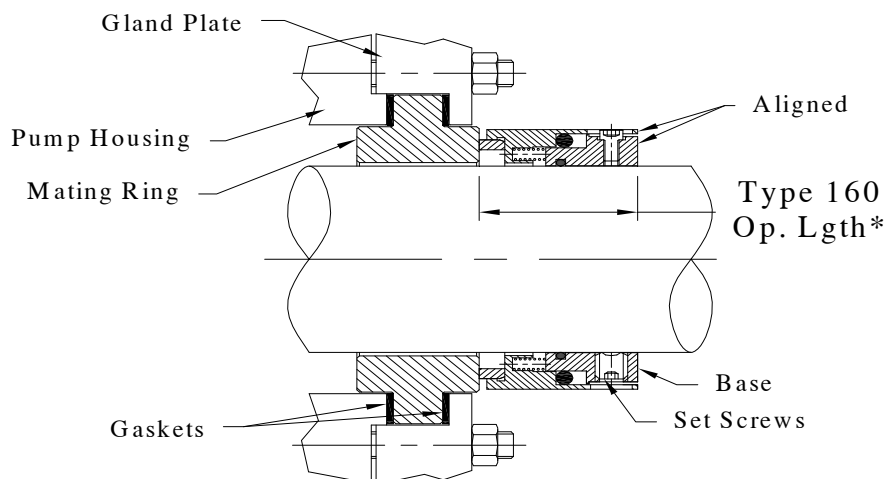
## Installing Type 160 – Inside Installation

- 1) Verify equipment condition to meet specifications, shaft end and OD to be smooth & clear of burrs, leading edge corner chamfered or radiused.
- 2) Mark on shaft axial location (A) of Mating Ring face. Obtain from seal drawing its operating length, remove seal chamber and mark on shaft axial location (B). If a shoulder is integral to shaft, verify its position.
- 3) Position the seal, base aligned with (B) and tighten set screws firmly and evenly.
- 4) Install Seal Chamber (Stuffing Box) in position. Do not forget to include all gaskets/orings before securing chamber in place.
- 5) Having verified the seal faces to be completely clean and dry, slide Mating Ring (seated inside Gland Plate) into contact with seal face and tighten firmly in position.
- 6) Verify sealing integrity by vacuum or pressure (1-2 bar) test.



## Installing Type 160 – External Installation

- 1) Verify equipment condition to meet specifications, shaft end and OD to be smooth & clear of burrs, leading edge corner chamfered or radiused.
- 2) Slide seal over shaft past (to the right of) the Mating Ring location.
- 3) Install Mating Ring, clamped and sealed as shown by Gland Plate and Gaskets respectively. Mating Ring face axial run-out is not to exceed 0.15 mm (0.005") TIR.
- 4) Having verified the seal faces to be completely clean and dry, slide seal into contact with mating ring face.
- 5) Load the seal by pressing the base to even alignment as shown and tighten set screws firmly and evenly.
- 6) Verify sealing integrity by vacuum or pressure (1-2 bar) test.



p/n **IS160E**  
 Rev: A Date: 01Nov2009

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