

# BARREL SEALS

## INSTALLATION INSTRUCTIONS

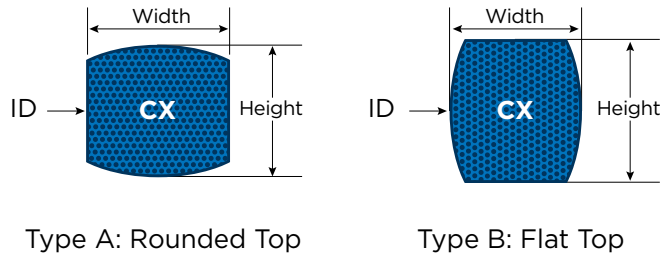
These instructions provide the user with a method to properly orient and install the barrel seal in the gland.

### IDENTIFICATION OF BARREL SEALS

#### Types of Barrel Seals:

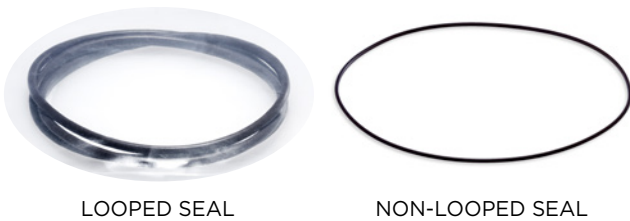
- Type A: Rounded Top
- Type B: Flat Top

#### CROSS-SECTION TYPES



### PREPARATION

Locate a flat work surface near your installation site. Remove your seal from its packaging and prepare it for installation as shown below.



#### Looped Seals

Larger seals may be looped to make packaging more compact. You may need to detangle the seal to achieve a stress-free state.

#### Smaller Seals

Smaller seals are not looped and are stress-free when removed from the packaging.



“STRESSED” SEAL

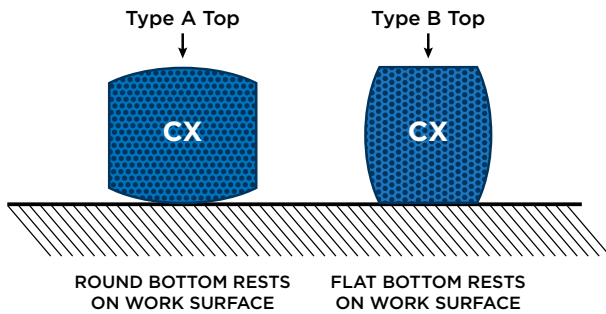


STRESS-FREE. NO TWISTS, RIPPLES OR BUMPS

## BARREL SEALS

### ORIENTATION

Barrel Seals have a well-defined barrel shaped cross-section to prevent twisting and to increase seal footprint. Use the barrel seal design to optimize compression and gland-fill in your application.



Orient the seal with the bottom resting on the work surface and you are now ready to assemble the seal into the gland.

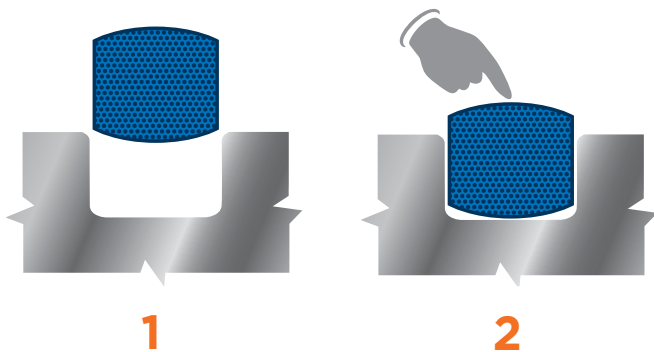
### INSTALL SEAL INTO GLAND

**DO NOT PRE-STRETCH SEAL BEFORE ASSEMBLY!**

Before installing your seal, please review the specific **Installation Patterns** in right column.

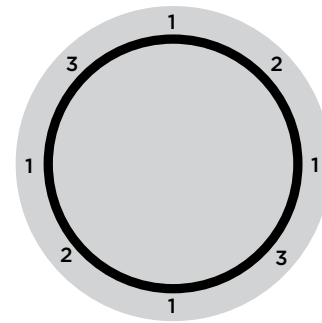
Using IPA lubricant is acceptable to aid installation.

- 1 Place the seal on the gland opening. Make sure the seal is in the proper orientation.
- 2 Push the seal into the gland making sure the bottom of the seal rest on the bottom of the gland following the installation patterns in the right column.
- 3 Make sure that the seal did not twist in the gland during installation.



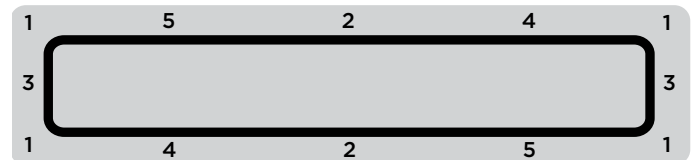
### INSTALLATION PATTERNS

**Circular glands** – following the installation instructions detailed in previous section. (Install Seal Into Gland)



- 1 Start at the four quadrants labeled “1”.
- 2 Install seal at the center of two opposing quadrants labeled “2”.
- 3 Next, install seal at the center of the remaining quadrants labeled “3”.
- 4 Run your finger around the diameter of exposed seal to ensure it is properly seated within the gland.

**Rectangular glands** – following the installation instructions detailed in previous section. (Install Seal Into Gland)



- 1 Start at the corners labeled “1”.
- 2 Install seal at the center of the segments labeled “2”.
- 3 Install seal at the ends labeled “3”.
- 4 Install seal at the center of the two opposing quadrants labeled “4”.
- 5 Install seal at the center of the two opposing quadrants labeled “5”.
- 6 Run your finger around the perimeter of the exposed seal to ensure it is properly seated within the gland.

[Watch our video on installation >](#)