

D-SEALS

INSTALLATION INSTRUCTIONS

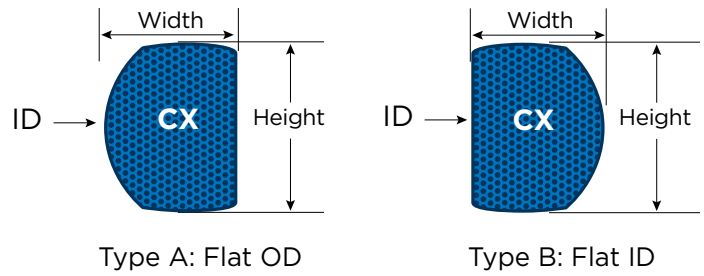
These instructions provide the user with a method to properly orient and install the D-seal in the gland.

IDENTIFICATION OF D-SEALS

Types of D-Seals:

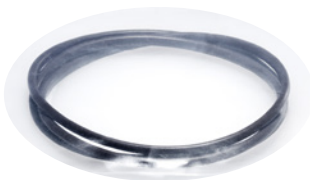
- Type A: Flat OD
- Type B: Flat ID

CROSS-SECTION TYPES

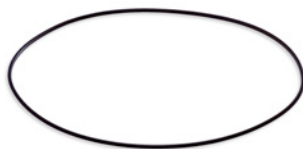


PREPARATION

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



LOOPEd SEAL



NON-LOOPEd SEAL

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

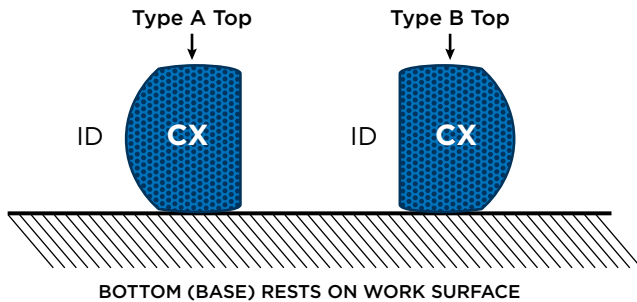


STRESS-FREE. NO TWISTS, RIPPLES OR BUMPS

D-SEALS

ORIENTATION

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



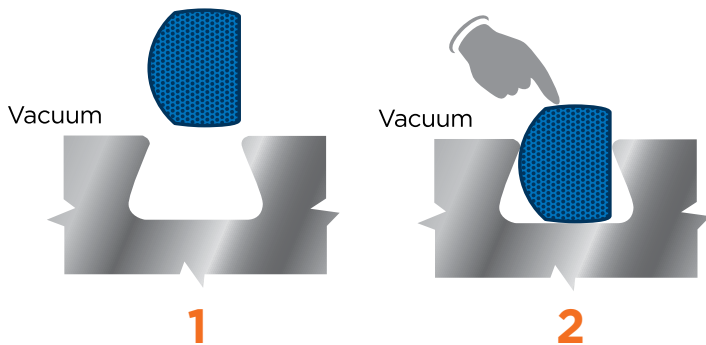
Orient the seal with the bottom resting on the work surface and you are now ready to assemble the seal into the gland.

INSTALL SEAL INTO GLAND

DO NOT PRE-STRETCH SEAL BEFORE ASSEMBLY! Before installing your seal, please review the specific **Installation Patterns** in right column.

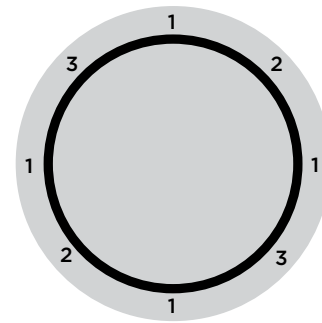
Using IPA lubricant is acceptable to aid installation.

- 1 Place the seal on the gland opening. Make sure the seal is in the proper orientation. **The curved side of the seal should rest in the gland facing the vacuum or lower pressure side** where the seal will be pulled to during use.
- 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.



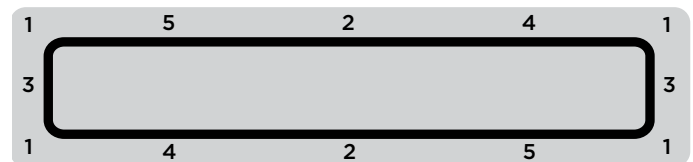
INSTALLATION PATTERNS

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 >](#)