

DOVETAIL® SEALS

INSTALLATION INSTRUCTIONS

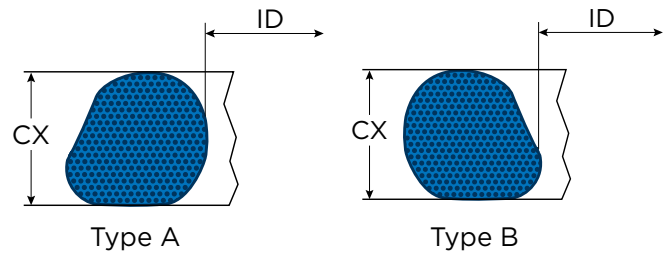
These instructions provide the user with a method to properly orient and install the dovetail seal in the gland.

IDENTIFICATION OF DOVETAIL SEALS

Types of Dovetail Seals:

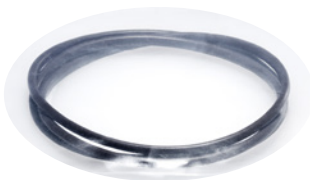
- Type A: Designed for external vacuum applications with rounded IDs, reference Greene Tweed part numbers beginning with 4201A
- Type B: Designed for internal vacuum applications with rounded ODs, reference Greene Tweed part numbers beginning with 4201B

CROSS-SECTION TYPES

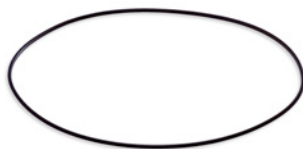


PREPARATION

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.



START



“STRESSED” SEAL

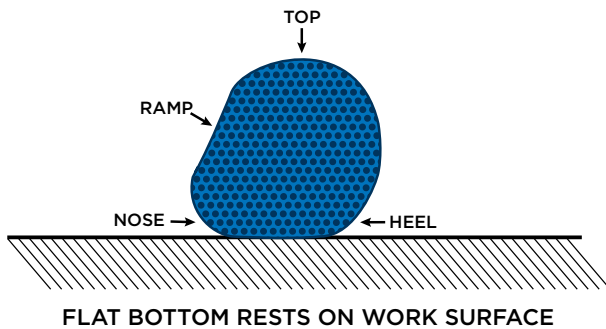


STRESS-FREE. NO TWISTS, RIPPLES OR BUMPS

DOVETAIL® SEALS

ORIENTATION

Dovetail Seals have a well-defined cross-section with a flat bottom to prevent twisting in your gland.



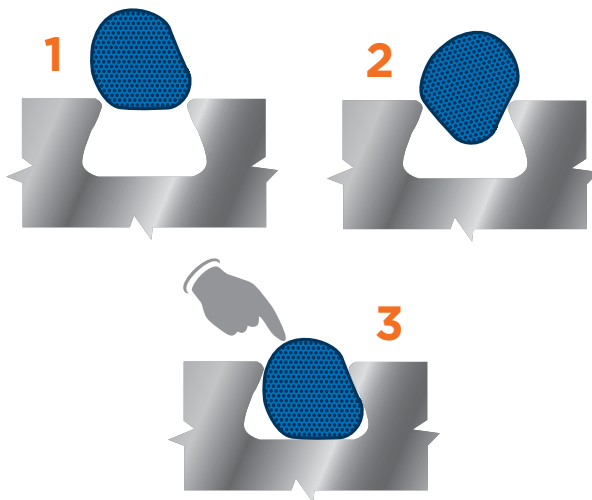
Orient the seal with the flat bottom resting on the work surface and you are now ready to assemble the seal into its gland.

INSTALL SEAL INTO GLAND

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

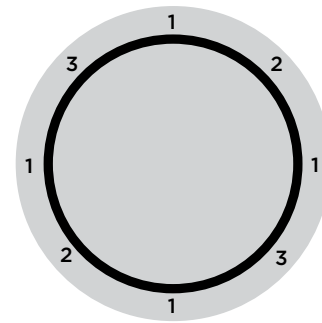
Using IPA lubricant is acceptable to aid installation.

- 1 Place the seal across the gland with the flat bottom towards the opening. The “nose” of the seal should be oriented to the ID or OD as shown on page 1.
- 2 Tilt the seal so the nose points towards the gland opening and push the seal into the gland.
- 3 Press on the heel of the seal to fully seat the seal into the gland.



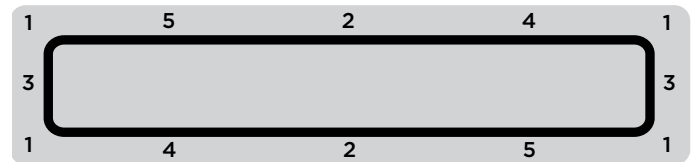
INSTALLATION PATTERNS

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 >](#)