

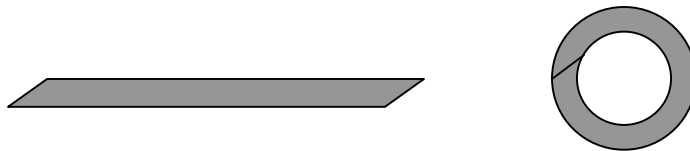
Installing Shaft Seals

APPENDIX B

Standard Packing Shaft Seals

The importance of packing the valve correctly cannot be overemphasized. Many valve shaft seal leakage issues are due to incorrect packing installation.

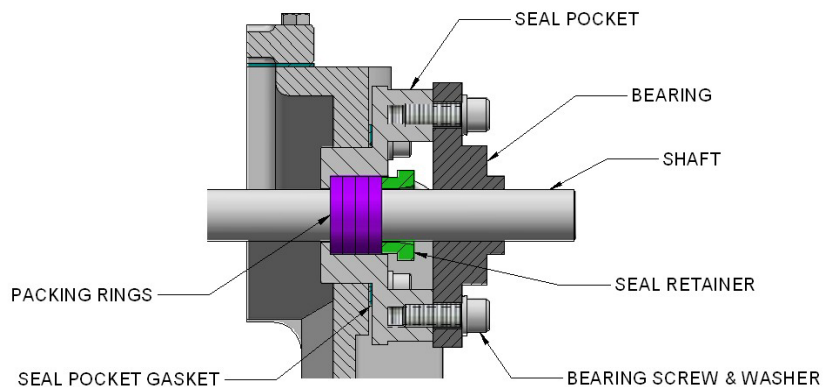
1. Remove all existing packing.
2. Clean packing pocket and shaft thoroughly. Examine all parts for wear or scoring. Any parts with excessive wear should be replaced.
3. Be sure to use the correct size packing. If you are unsure of what size packing to use, contact Plattco Corporation.
4. If packing is not pre-cut, cut into separate rings – do not wind packing into the packing pocket. Packing rings should be cut with a skive joint (see illustration below).



Cut and test the first ring for fit – this can later be used as a template for additional rings.

HINT: To cut packing that is soft, or has a tendency to fray, apply a small piece of tape where the cut is to be made.

5. Install packing one ring at a time. Skive joints must be staggered and be sure all packing is clean and has not picked up any dirt during handling.
6. Set packing. Slide a piece of pipe, or similar object, over the shaft and hit packing together.
7. Install seal retainers. Tighten seal retainer screws until to the point where heavy resistance to tightening is felt. During this time, manually open and close the valve to determine ease of opening. Do not tighten seal retainer screws to the point the valve won't open and close freely.
8. After the valve has operated a day or so tighten the seal retainer screws slightly. If leakage is occurring, tighten screws until leakage stops.
9. Safety wire all seal retainer screws after adjusting.



Typical valve seal section