

# CHEVRON Installation & Adjustment

Protect your investment. Do not hang Garlock CHEVRON packing on nails or under any excessive stack pressure that might deform the concentricity of the product. Do not stock in extreme weather conditions. Avoid constant sunlight. The elastomer compounds used in CHEVRON packing are highly technical and, while reliable, they are subject to handling stress.

1. Packing on a moving ram should be endless rings, if possible, for best service life.
2. If rams are grooved, worn, rusted or corroded, they should be reconditioned or replaced. No packing stands up under these conditions. Use boots to protect rams if abrasive dust is a problem.
3. On high pressure jobs, make clearance between rod and gland as close as possible to prevent extrusion.
4. If lubrication is not getting into a Garlock CHEVRON packing set, the gland may be drawn up too tightly and should be loosened appropriately. To avoid over-tightening and/or cocking of the gland, place a shim under the gland.
5. If a stuffing box is very deep, spacer(s) can be used to take up the space of additional CHEVRON rings that are not needed. Replacement time and cost are both saved.
6. Use the correct style. For example, don't use butyl against a petroleum base oil, or a **nitrite** against a phosphate ester.
7. Use the right size. In emergencies, "off-size" parts can be distorted and made to work for a short period of time, but do not expect them to last or do as efficient a job as the correct size.

8. Make sure all rings are seated with no voids in the set.
9. Use lubrication when installing the rings, as it makes installation much easier and helps during the break-in period.
10. Make sure sections of the lips of the rings are not turned over or twisted. This is easy to do, especially in blind installation, and will result in premature leakage and failure.
11. Make sure the packings are facing in the direction of the medium being sealed —

whether it is liquid, air, dust, etc.

12. Consider metal structure. Many times a packing is blamed for leakage when the real culprit is porous metal — either the rod or the housing.
13. Let Garlock help you. Tell us about the application. If a forging press is under shock load, then packing must be a more rugged type, for example. Or, if low pressures are involved, the packing selection must be more flexible than for high pressure.
14. Keep from using sharp metal tools like screwdrivers when installing packings. Hardwood tools are best and will not score rod or stuffing box.

For installation of endless CHEVRON packing, gland pressure should be only sufficient to snug rings within the confining cavity.

On split ring installations, adjustment practice will vary depending on service conditions. For horizontal packing installations, normally light gland pressure is necessary to seal the ring joints. Adjustment is made by turns of  $\frac{1}{4}$  flat on gland bolts. On vertical applications of split rings it is desirable to provide increased gland pressure for the effective seal of ring joints.

