

CHEVRON V-PACKING



We manufacture a wide range of packing sets

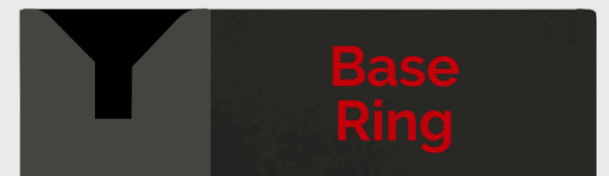
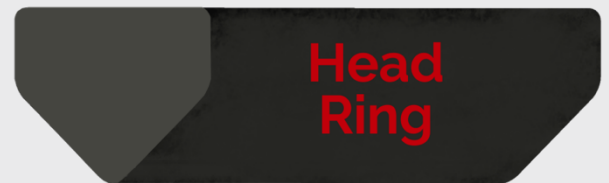
Sigma Seals & Gaskets' V-packings are light to heavy duty designs that have been in service worldwide for many years in harsh environment applications. The profile of a V-packing provides sealing lips that are suited to applications where heavy side loads and high pressure peaks are encountered. Some typical applications for our V-packings are pistons, hydraulic presses, earth moving equipment, and any other reciprocating and/or rotating heavy-duty assembly.

DESIGN CONSIDERATIONS

Each V-packing consists of a base ring, two or more intermediate rings, and a non-sealing head ring. The sealing rings have double lips to seal against both the bore and the rod of a system, and the head ring and intermediate rings all have a V-shaped base that enables the V-packing to respond automatically to changes in system pressure.

When under gland compression, the V-shaped base provides a wedging action that enables a system to stay in service even with worn bushes or rams. Furthermore, because the sealing rings have an interference fit at the lips, the seal will perform even at low system pressure. When system pressure increases, the unique V shape takes over and energizes the lips to create a positive seal.

Sigma Seals & Gaskets can manufacture rings from reinforced material to resist extrusion and to avoid distortion while under heavy side loads. We can also create V-packings suitable for high temperatures and pressures. Have a particularly tough case? Let us design the V-packing that will meet your challenge



APPLICATIONS

- Pistons
- Hydraulic presses
- Earth-moving equipment
- Other reciprocating or rotating heavy-duty assembly
- High temperatures
- High pressures

BENEFITS

- Exhibit a long service life
- For a limited time, can perform even with degraded components
- Insensitive to contamination
- Exceptionally wear-resistant
- Packing components that are easily replaced without dismantling the cylinder
- Readily made in a variety of styles and sizes

The following list represents just a few of the materials that are often used to construct V-packings. If you do not see the material that you want on this list, we make V-packings from a wide range of materials.

- Butyl
- Ethylene-propylene (EPDM)
- FFKM
- Fabric-reinforced FFKM
- Neoprene
- Nitrile (Buna-N)
- Fabric-reinforced nitrile
- Hydrogenated nitrile (HNBR)
- PEEK
- Virgin PTFE
- Calcium fluoride-filled PTFE
- Carbon/graphite-filled PTFE
- Carbon/graphite/PPS-filled PTFE
- Graphite-filled PTFE
- Glass/moly-filled PTFE
- Glass-filled PTFE
- UHMW-PE
- Viton®
- Fabric-reinforced

TO DISCUSS YOUR APPLICATION, GIVE US A CALL!