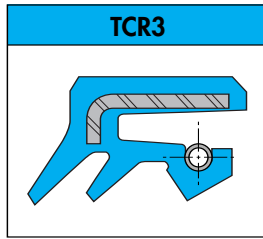


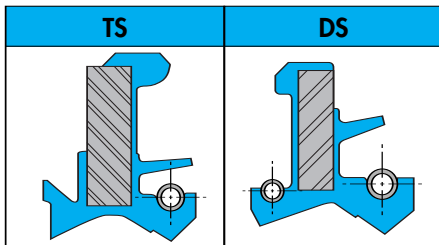
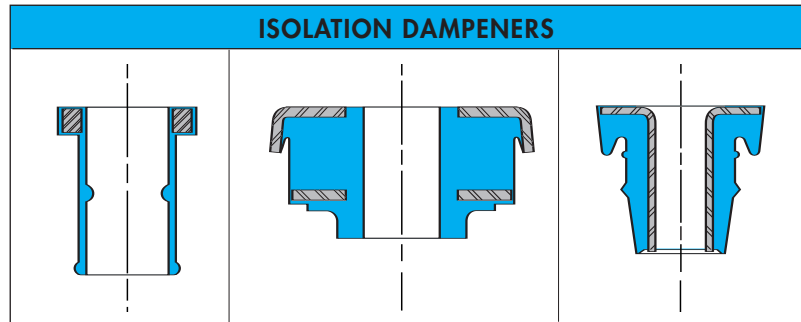
■ **REVERSE LIP DESIGNS**



The reverse lip design is used when both the contaminants and the fluids to be sealed are coming from the same side. This design can provide an effective seal when the outside of the assembly sees water or mud slurry. In this case, fluid from outside the assembly leaking in is the greater design concern. The reverse lip under the garter spring ensures maximum sealing to the outside of the unit while allowing slight oil migration between the seal lips for needed lubrication.

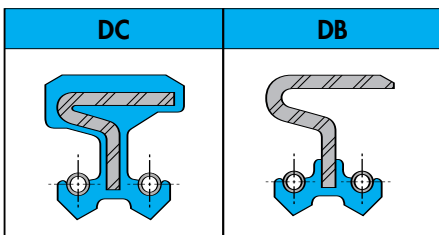
■ **ISOLATION DAMPENERS**

deVries International offers a wide variety of custom designed vibration dampening devices. These components are typically used in conjunction with fasteners in the automotive industry.



■ **STRUT SEALS**

For the automotive industry, deVries International offers strut and shock absorber seals. These are ruggedly constructed reciprocating seals designed for high reliability. These seals can be customized with added features such as post-assembly fill valves and/or gas check valves.



■ **DOUBLE SPRING LOADED SEALS TO SEPARATE TWO FLUIDS**

The "DC" and "DB" seal designs utilize two primary sealing lips. Both are spring loaded to maximize sealing of fluids on both sides of the seal. Typical applications include separation of transmission fluid from gear oil or separation of two fluids of different viscosities, such as those used in viscous clutches. With the DC or DB designs, one seal can perform the function of two. Benefits include a more compact design with lower seal and assembly costs.