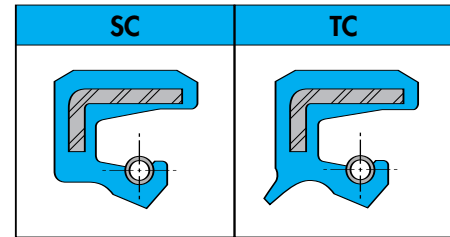


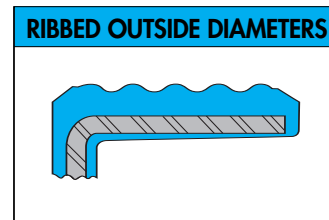
## ■ RUBBER-COVERED OUTSIDE DIAMETER VERSUS METAL OUTSIDE DIAMETER SEALS

Rubber-covered outside diameter seals are the most versatile designs and the most economical when produced in nitrile materials. They are more effective against outside diameter (OD) leakage on bores with rougher surface finishes. They allow sealing in bores which have wider tolerance resulting from original machining or extended field service; and protect against bore damage during seal installation and replacement. For softer housing materials, including aluminum, brass, and plastics, rubber OD seals better protect the housing against damage during installation. They may also be used as an economical substitute for stainless steel cases to prevent corrosion.



## ■ RUBBER COVERED SEALS WITH RIBBED OUTSIDE DIAMETERS

Rubber covered oil seals with ribbed outside diameters allow for increased interference between the seal and bore without increasing installation force. Thus, ribbed designs can help the seal compensate for wider bore tolerances such as those found in molded plastic or as-cast metal components. Ribbed seals have the potential to dramatically reduce manufacturing costs of mating bores by eliminating expensive machining operations while having no impact on the seal's cost. Contact deVries International's technical support staff for help in investigating these potential cost savings.



14

## ■ RUBBER-COVERED CAP PLUGS

When manufacturing housings, you can reduce production costs substantially by using rubber-covered cap plugs from deVries International. With rubber-covered cap plugs, a housing with through-holes for two or more shafts can be modified to accommodate fewer shafts. The cap plugs seal the unused through-holes; and they are easy to install and remove. Thus, you can mass-produce one housing design for a wide range of applications.

Cap plugs are also useful when an assembly must be tested before shipment to the end customer. The through-holes not used during testing are sealed with cap plugs. Later, if shafts are to be installed, the cap plugs can be removed with no risk of damage to the bores.

