Technical Data and Features of the Simrit Double Oil Seal

**Metal OD**
Metal can be ground or un-ground. Un-ground is acceptable in most applications. Ground OD is used to ensure closer tolerances.

**Double Lip**
This radial shaft seal has a secondary lip or double lip to assist in keeping dust, debris, and other contaminates out from an outside environment.

**Spring Energized Lip**
This Radial Shaft Seal utilizes a spring to energize the sealing lip.

**Double Cage**
This seal requires some assembly process. Which will mechanically hold the seal together. The inner metal case is used to protect the main lip and also provides more rigidity to the seal.

**Encased Shaft Seal**
This shaft seal is encased in an elastomeric material for use in rougher housing bore finishes. The elastomeric OD will not gall or scratch the housing bore especially where soft alloy materials are used i.e. aluminum. The seal also becomes more compatible where thermal heat expansion of the bore is a problem. The seal is also practical in more corrosive atmospheres such as water because metal case is encapsulated by the elastomer.

**Pressure Seal**
This seal is designed to take pressure.
SIMRIT Metal OD, Double Lip Oil Seal

B1FUDSL
Metal OD spring loaded sealing lips. Metal OD gives a particularly firm and exact seal in the bore, however: static sealing on the OD limited with low viscosity and gaseous media.

B1SL
Metal OD spring loaded sealing lips. Metal OD gives a particularly firm and exact seal in the bore, however: static sealing on the OD limited with low viscosity and gaseous media.

B1USL
Metal OD spring loaded sealing lip. Metal OD gives a particularly firm and exact seal in the bore. Note: Static sealing on the OD is limited with low viscosity and gaseous media.

B2FUDSL
SIMRIT Metal OD, Double Case, Double Lip Oil Seal
Single Lip, Dual Metal OD Case with Spring. Normally used for larger dimensions where there is a difficult fit into the receiving bore. Note: Static sealing limited on the OD with low viscosity and gaseous media.

B2SL
SIMRIT Metal OD, Double Case, Double Lip Oil Seal
Double Lips, Dual Metal OD Case with Spring. Used for larger dimensions with rough fitting into the receiving bore, however: static sealing limited on the OD with low viscosity and gaseous media.
**BABSL** SIMRIT Covered OD, Double Lip, Pressure Oil Seal
Rubber OD, Spring Loaded, Single Lip Seal. Because of its’ short flex section this seal can handle up to 50 psi. Secure sealing to the housing bore, even with increased roughness, thermal expansion and split housings.

**BAFUDSLX7** SIMRIT Covered OD, Double Lip Oil Seal
Ribbed rubber OD with spring loaded sealing lip. Trimmed sealing edge on front face. Secure sealing to the housing bore, even when the bore finish is considered rough, or the possibility of thermal expansion and split housings are considered an issue.

**BASL** SIMRIT Metal OD, Double Lip Oil Seal
Covered OD with spring loaded sealing lips. Trimmed sealing edge on front face. Secure sealing to the housing bore, even with increased roughness of the bore, thermal expansion and split housings.

**BAUMSL** SIMRIT Metal OD, FKM Double Lip Oil Seal
Covered OD with spring loaded sealing lips. Trimmed sealing edge on front face. Secure sealing to the housing bore, even with increased roughness of the bore, thermal expansion and split housings. The standard material for this seal is FKM.

**BAUMSLX7** SIMRIT Covered OD, FKM Double Lip Oil Seal with Grooved OD
Covered OD with spring loaded sealing lip. Trimmed sealing edge on front face. Secure sealing to the housing bore, even with increased roughness of the bore, thermal expansion and split housings. The standard material for this seal is FKM.
**BAUSL**  
**SIMRIT Metal OD, Double Lip Oil Seal**  
Covered OD with spring loaded sealing lips. Trimmed sealing edge on front face. Secure sealing to the housing bore, even when the bore is considered rough and thermal expansion or split housings are issues.

**BAUSLX7**  
**SIMRIT Covered OD, Double Lip Oil Seal with Grooved OD**  
Ribbed rubber OD with spring loaded sealing lip. Trimmed sealing edge on front face. Secure sealing to the housing bore, even when bore is considered rough and thermal expansion or split housings are issues.