

Scotseal® family

Scotseal® PlusXL

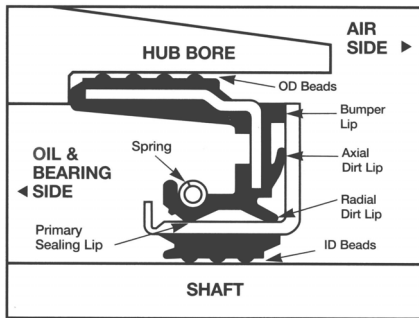


Figure 1

Scotseal® Longlife

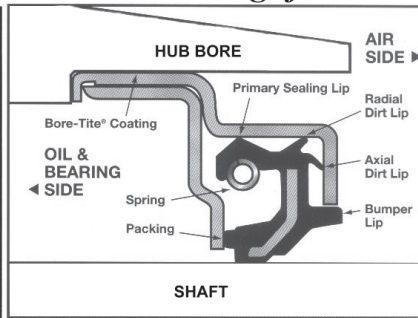


Figure 2

Scotseal® Classic

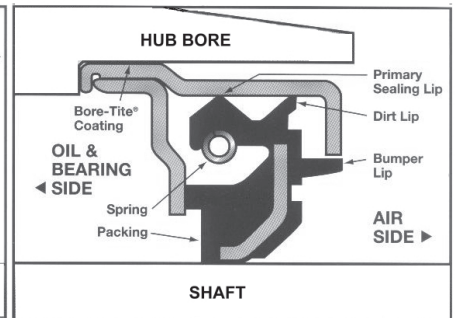


Figure 3

SKF Scotseal® PlusXL is a rubber unitized, one piece design. The Scotseal PlusXL consists of four sealing lips: a spring loaded primary sealing lip with patented Waveseal® design that is factory pre-lubed, a radial and axial dirt lip, plus an outer bumper lip that acts as a preliminary dirt excluder. Scotseal PlusXL requires no special installation tools and maintains a rubber-to-metal contact between the seal O.D. and the hub bore surface as well as a rubber-to-metal contact between the packing I.D. and spindle. (see Figure 1)

SKF Scotseal® Longlife is also a unitized, one piece design consisting of a sealing element (packing) that is assembled between a metal outer and inner case. The Scotseal Longlife's packing, however, consists of four sealing lips: a spring-loaded primary sealing lip that is factory pre-lubed, a radial and axial dirt lip, plus an outer bumper lip that acts as a preliminary dirt excluder. The Scotseal Longlife is pressfit into the hub

bore using Scotseal installation tools. The Scotseal Longlife maintains a metal-to-metal contact between the seal O.D. and the hub bore surface as well as a metal-to-metal contact between the packing I.D. and the spindle. (see Figure 2)

SKF Scotseal® Classic is a unitized, one piece design consisting of a sealing element (packing) that is assembled between a metal outer and inner case. The packing consists of three sealing lips: a spring-loaded primary sealing lip that is factory pre-lubed, a dirt exclusion lip, and an outer bumper lip that acts as a preliminary dirt excluder. The seal is pressfit into the hub bore using Scotseal installation tools. The Scotseal Classic maintains a metal-to-metal contact between the seal O.D. and the hub bore surface as well as a metal-to-metal contact between the packing I.D. and the spindle. (see Figure 3)

Scotseal family truck wheel seal operating conditions

| | Scotseal Classic | Scotseal Longlife & Scotseal PlusXL |
|------------------------------------|-------------------------------------|---|
| Surface speed | 2000 F.P.M. max | 5000 F.P.M. max |
| Temperature range | -40° to 250°F (-40° to 121°C) | -40° to 300°F (-40° to 149°C) |
| Pressure | 2 p.s.i. | 2 p.s.i. |
| Spindle finish | 100 microinches MAX. | 100 microinches max. |
| Spindle hardness | Rockwell C28 | Rockwell C28 |
| Spindle dia. tolerances | ±0.003" Up to 4.000" | ±0.003" Up to 4.000" |
| | ±0.004" 4.001 to 6.000" | ±0.004" 4.001 to 6.000" |
| | ±0.005" 6.001 to 10.000" | ±0.005" 6.001 to 10.000" |
| Bore runout | 0.015" (TIR) max | 0.015" (TIR) max |
| Spindle to bore misalignment | 0.020" (TIR) max | 0.020" (TIR) max |
| Seal O.D. tolerances | ±0.004" | ±0.004" |
| Bore tolerances | ±0.0015" from 3.001 to 7.000" | ±0.0015" from 3.001 to 7.000" |
| | ±0.002" 7.001 to 12.000" | ±0.002" 7.001 to 12.000" |