

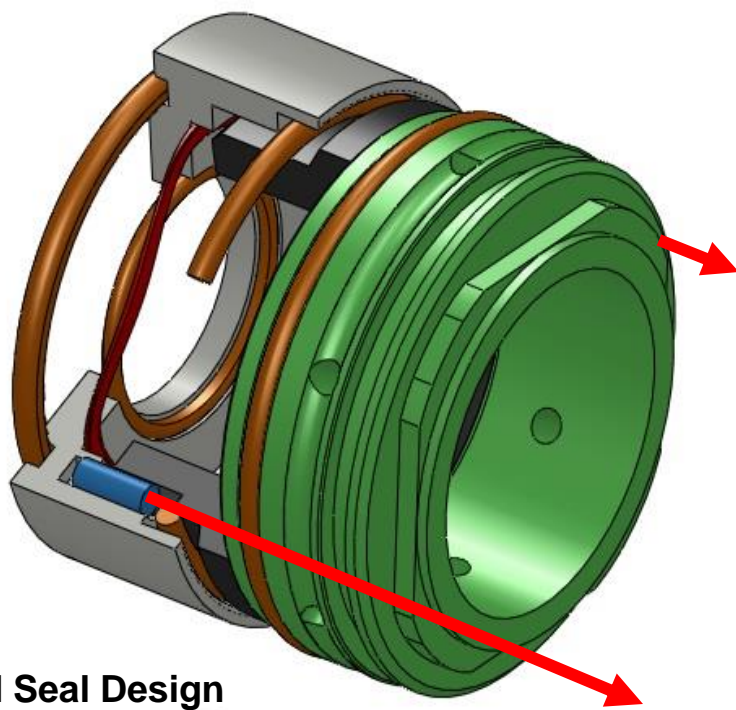
Ampco ND Front Load Seal

Hydraulically Balanced – optimizes seal face pressure

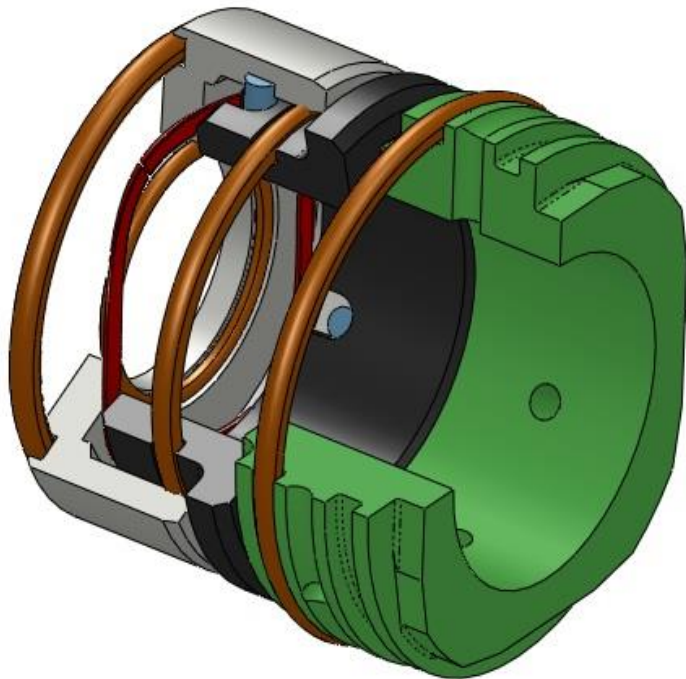
Driver pin's vertical orientation maintains rotating seal face alignment – reduces slot stress

Secondary rotating o-ring positioned at very top of the driver eliminating ingress of product between the driver and rotating face.

Pinned stationary – simplifies maintenance.



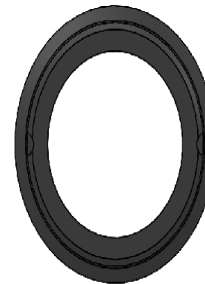
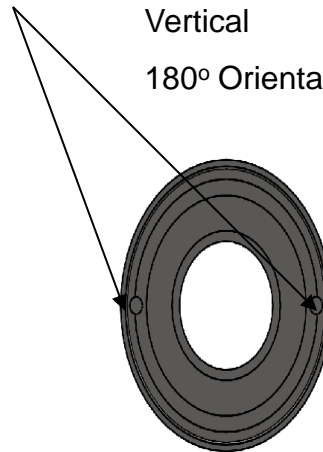
Original Seal Design



Drive Pins

Vertical

180° Orientation

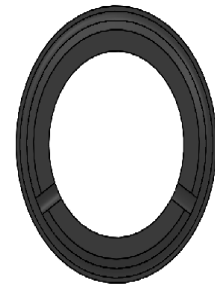
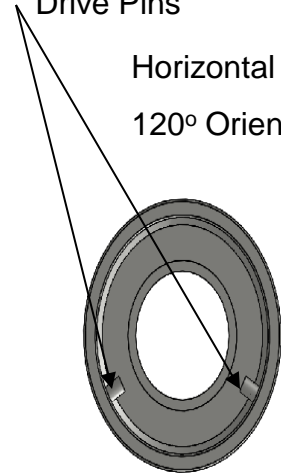


ND Driver

Drive Pins

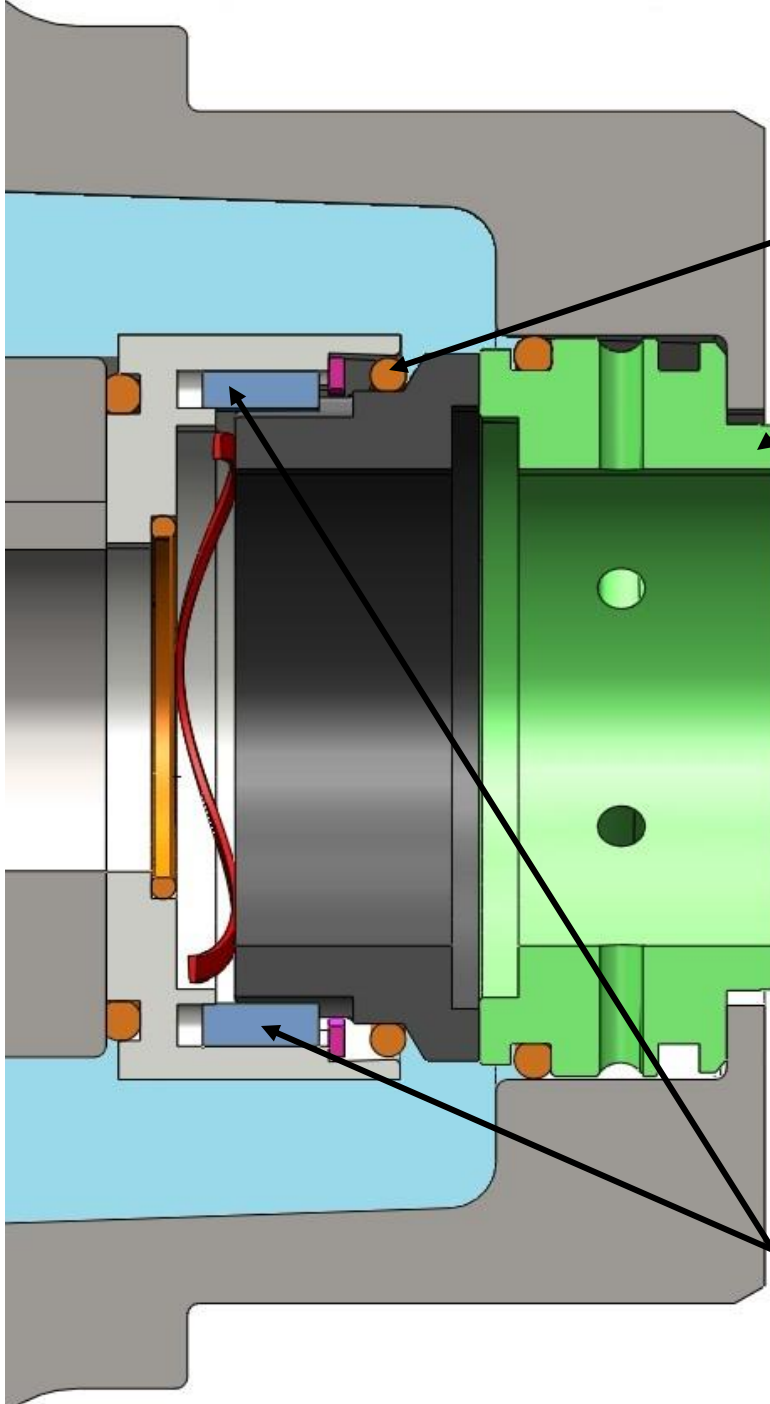
Horizontal

120° Orientation



Original Driver

Ampco ND Front Load Seal

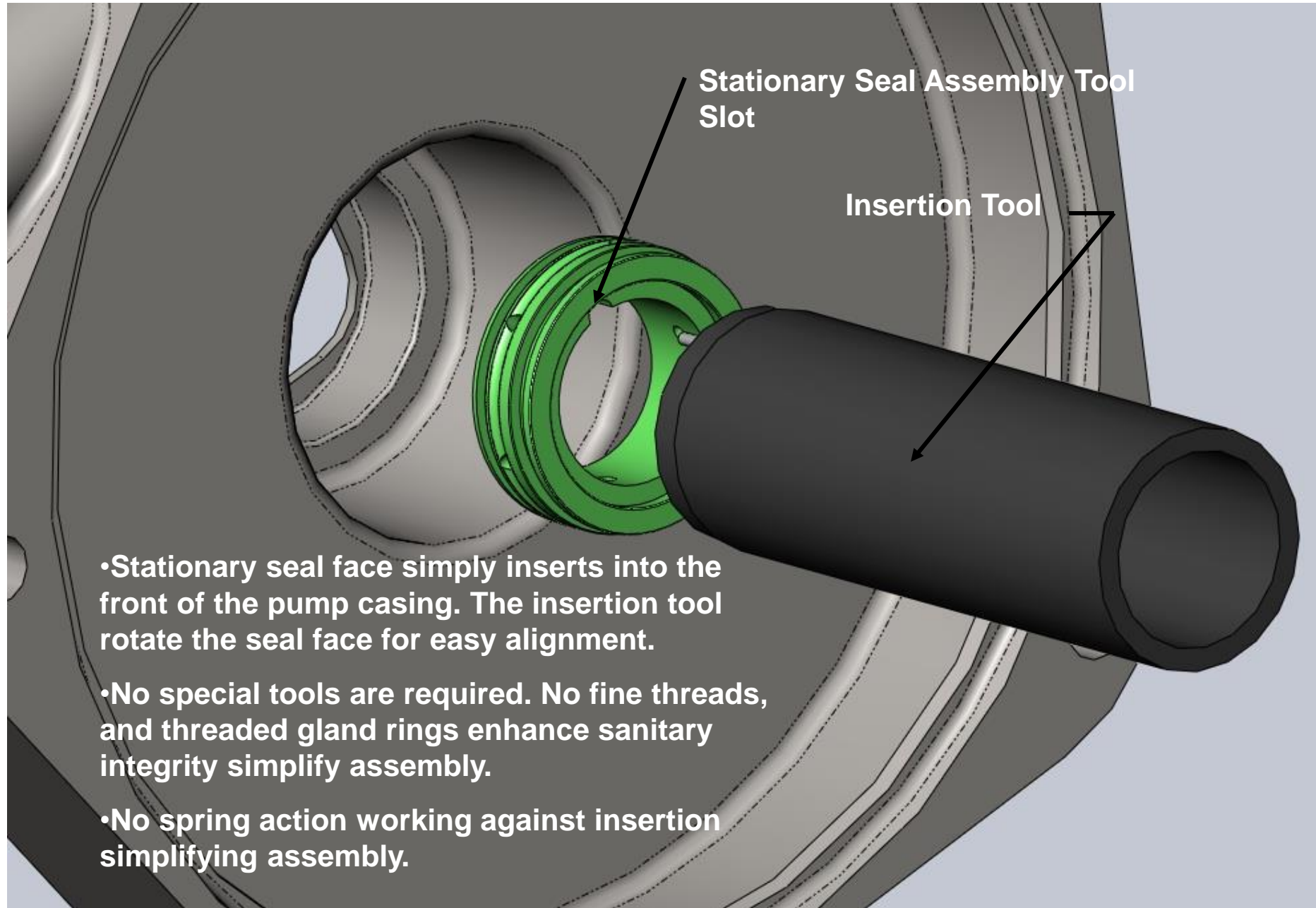


Zero product ingress into seal driver

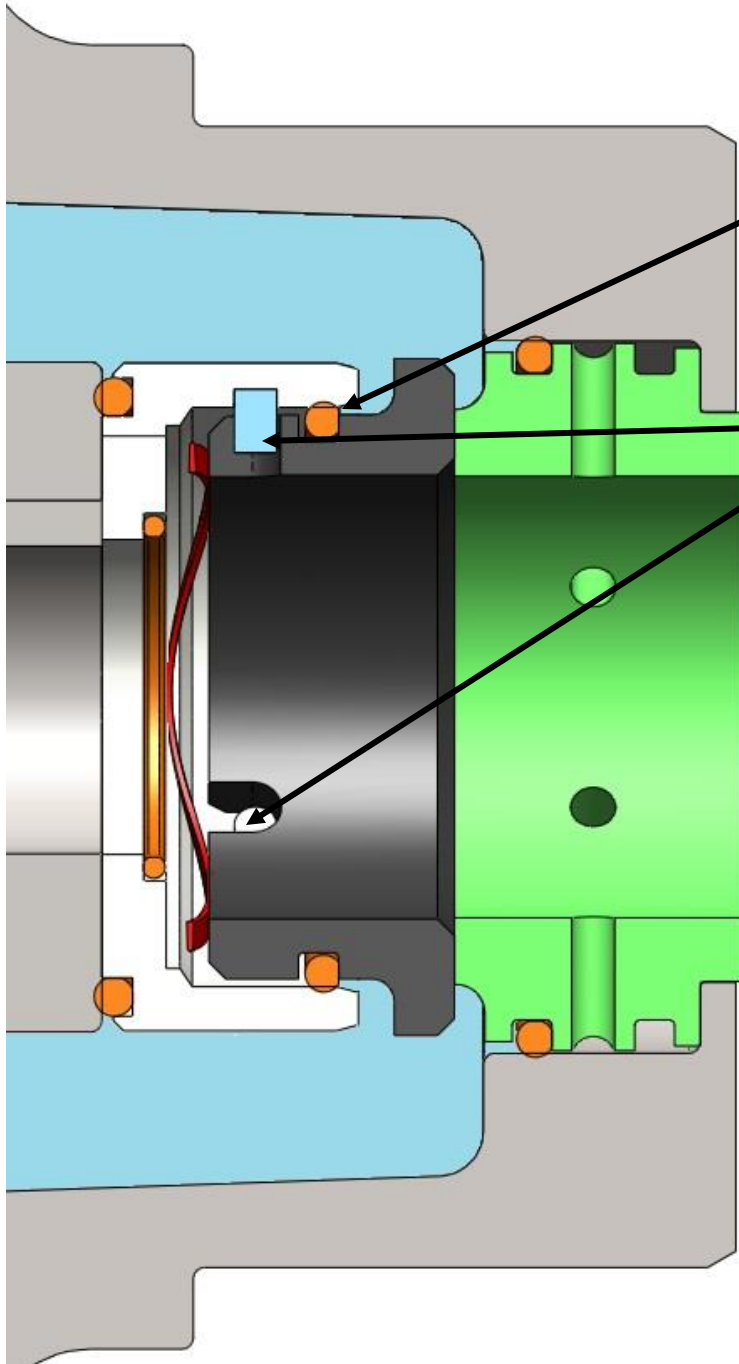
Stationary Seal Anti-rotational Pin

180° Vertical Pin Design – reduces stress, maintains rotating seal face alignment

Ampco ND Front Load Seal Assembly Tool



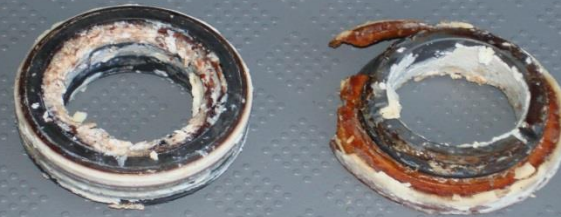
Original Front Load Seal Design



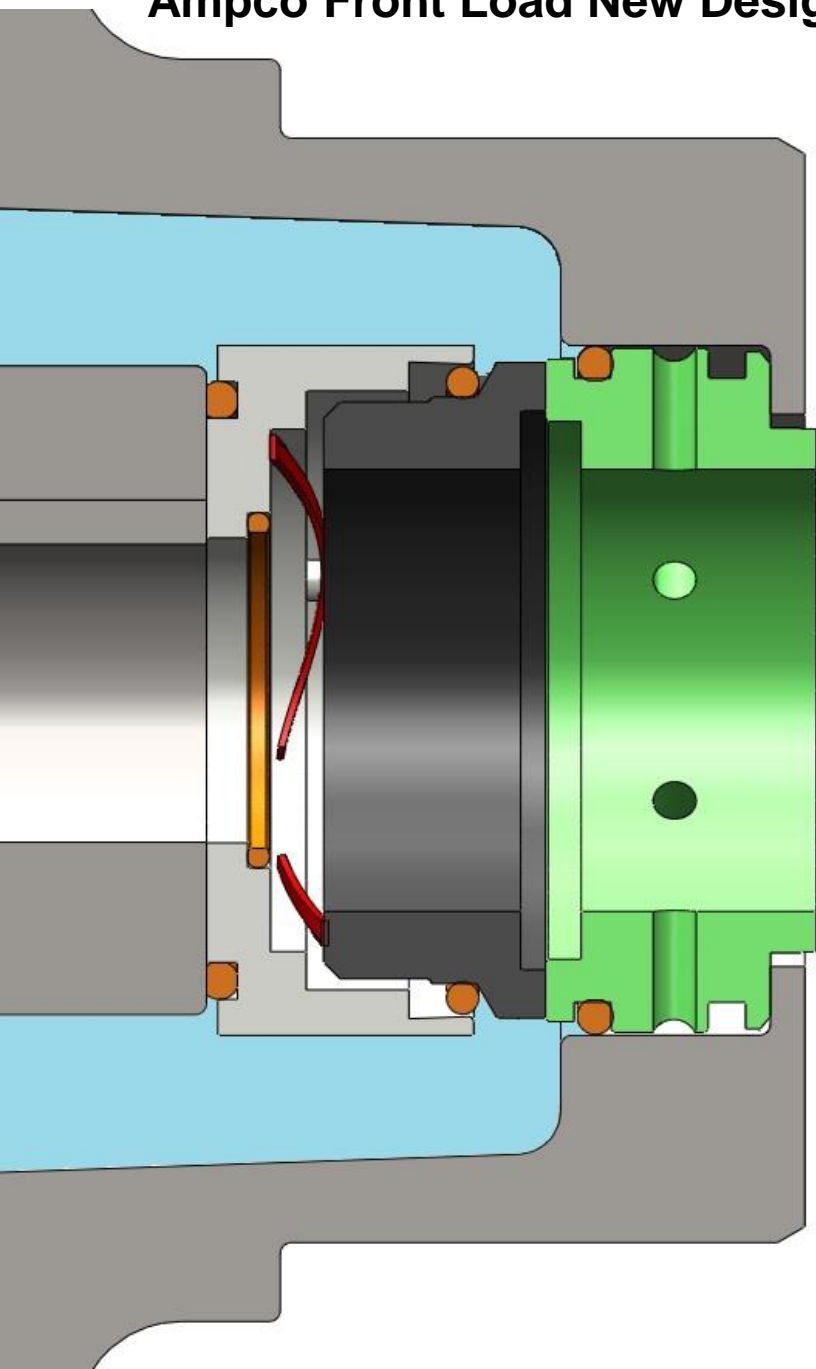
Offset o-ring allows product ingress into the I.D. of the driver

Unbalanced horizontal drive pins bind the rotating seal face open resulting in premature seal failure.

Product accumulates between the rotating o-ring / seal face and the seal drive



Ampco Front Load New Design



Original Seal Design

