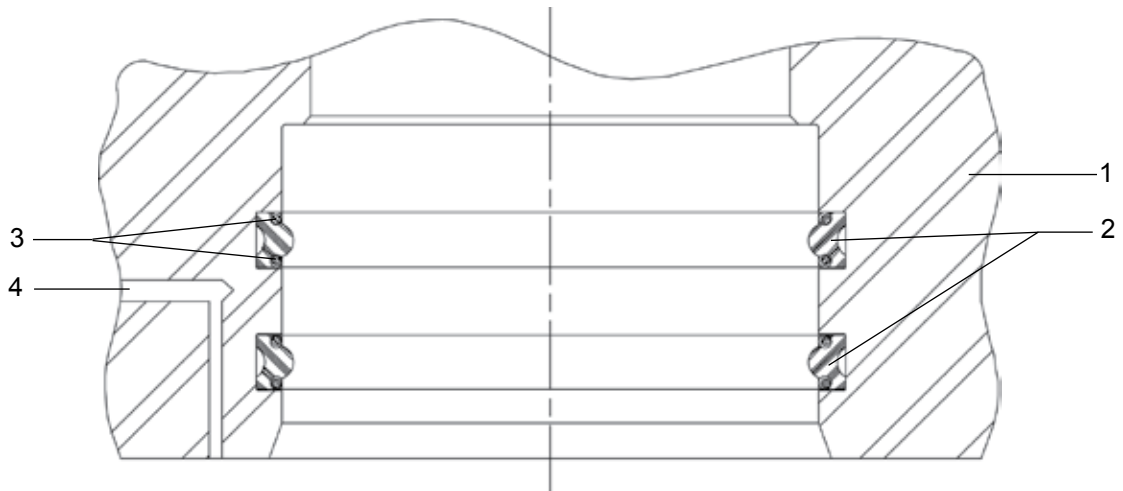


Type FS



Type FS Secondary Seal Parts List

1	housing/head
2	seal
3	anti-extrusion device
4	test port

The Crown Type FS Secondary Seal is a self-energized interference seal assembly consisting of dual custom-built elastomeric seals with an anti-extrusion device molded into the seal. The "FS" profile can be included in any tubing head, casing head or packoff flange.

The seals retain pressure from either side. The interference in the seal between the casing and the groove generates the

seal. The o-ring inner diameter shall have a minimum interference of 0.031 inches against minimum casing diameter as per API 5CT casing tolerances of +1% and -0.5%.

The bit guide is designed as part of the housing to guide the drill bit through the housing when the bit is lowered through it. The inside shoulder protects the upper edge of the casing.