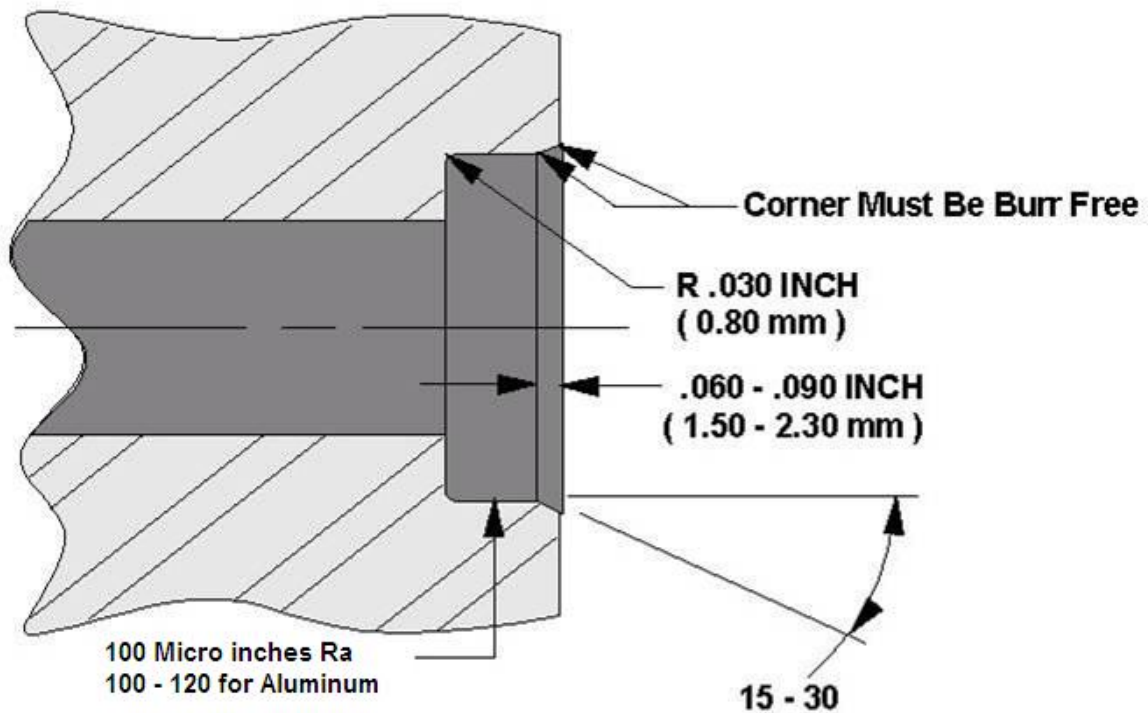


Bore Requirements

Bore Configurations

The lead corner, or entering edge, of the bore should be chamfered (as shown below) and free of burrs. The inside corner of the bore should have a maximum radius of .031" (.079 mm).



Bore Finish

A finish of 100 micro inches Ra (2.5 micrometers) or smoother should be maintained on applications where a lubricant head up to 3 PSI (20 kPa) is present against the OD of the seal. For aluminum, the finish should be 100 - 120 micro inches Ra (2.5 to 5.0 micrometers).

Bore Material

Ferrous and other commonly used metallic materials, like aluminum, are acceptable. However, when non-ferrous bore materials are used, the different rates of thermal expansion must be considered.

Bore Hardness

There are no specific hardness recommendations. However, bore hardness should be hard enough to maintain interference with the seal OD.