Threaded or Seated Hot Runner Nozzles

For threaded nozzles the total length of the nozzles have to be more than half the distance between the manifold locator and the nozzle position \((X,Y)\). Otherwise, the bending of a threaded nozzle at hot manifold position would result in excessive stress.

Nozzle Length/Pitch Relation

For seated nozzles, the length \(L\) should be greater than half the pitch \(X\) as shown in the graph. For example, if \(X = 300\) mm, then \(L > 150\) mm.