**Sliding Fit**

Hole Basis

Ø 0.375” LN3 RC9

Basic Size = D = 0.375”

DiameterMin = 0.3750”

|  |  |  |
| --- | --- | --- |
| Hole Tolerance | Minimum Clearance | Shaft Tolerance |
| 3.5 = = 0.0035 | 6 = = 0.006 | 2.2 = = 0.0022 |

DiameterMax = DiameterMin + Hole Tolerance

DiameterMax = 0.375 + 0.0035 = 0.3785”

Shaft DiameterMax = DiameterMin - Minimum Clearance

Shaft DiameterMax  = 0.375 – 0.006 = 0.3690”

Shaft DiameterMin = Shaft DiameterMax – Shaft Tolerance

Shaft DiameterMin = 0.3690 – 0.0022 = 0.3668”

ClearanceMax = DiameterMax  - Shaft DiameterMin

ClearanceMax = 0.3785 – 0.3668 = 0.0117”

3rd Clearance = DiameterMax - Shaft DiameterMax

3rd Clearance = 0.3785 – 0.3690 = 0.0095”

4th Clearance = DiameterMin - Shaft DiameterMin

4th Clearance = 0.3750 – 0.3668 = 0.0082”