



**Linear Dimension Tolerances & Visual Defects for Dry
Pressed Aluminum Nitride (ST-100 and ST-200)**

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A. As Fired Dimensional Tolerances :

Parameters	Tolerances
Length (in.)	± 2% , NLT 0.007"
Width (in.)	± 2% , NLT 0.007"
Thickness (in.)	± 2% , NLT 0.007"
Hole Diameter (in.)	± 3% , NLT 0.007"
Hole Location (in.)	± 5% , NLT 0.007"
Flatness (in./in. Max)	0.003"
Parallelness (in./in.)	0.004"
Camber (in./in. Max)	0.004"
Surface Finish Ra. (Max.)	40 - 120 micro-inch (part specific)

Note 1 : Parts with Large aspect ratios(Area to Thickness) may require larger tolerances.

NLT : Not Less Than

B. Visual Defects (per ASTM F-109)

Parameters	Maximum Size
Blemish	Acceptable
Chips Open or Closed	0.060"W X 0.060"D
Cracks	0.060"
Blister	0.030"
Inclusion	0.030"
Pit, Hole, Surface porosity, Voids	0.060"