

General Properties

Kennametal has developed the ability to machine a range of Tantalum-based grids for use in multiple applications.

Applications

- Sputtering.
- Ion beam.
- Plasma-etching.

Flat Grid Physical Properties

Property	Unit	Tantalum
Diameter	mm	500
Material Thickness	mm	10
Flatness Tolerance	mm	0,1 min
Dowel-Hole Diameter Tolerance	mm	0,025 min
Positional Accuracy of Holes	mm	+/- 0,02

NOTE: This data shows typical values and does not represent a specification.

Domed Grid Physical Properties

Property	Unit	Tantalum
Diameter	mm	400
Material Thickness	mm	1–10
Flatness Tolerance (flanges)	mm	<0,3
Dowel-Hole Diameter Tolerance	mm	0,025 min
Positional Accuracy of Holes	mm	+/- 0,15 standard +/- 0,02 high accuracy
Dome Height	mm	<15

NOTE: This data shows typical values and does not represent a specification.

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