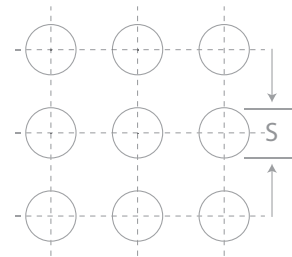


# Planning Procedures

## Minimum hole size and slit size

Thickness (T)	Slit size (S)
Less than 0.1mm (.004")	120%T
0.1mm (.004") - 0.25mm (.010")	110%T
0.25mm (.010") or more	100%T
Absolute minimum slit size = 0.085 mm (.0034")	

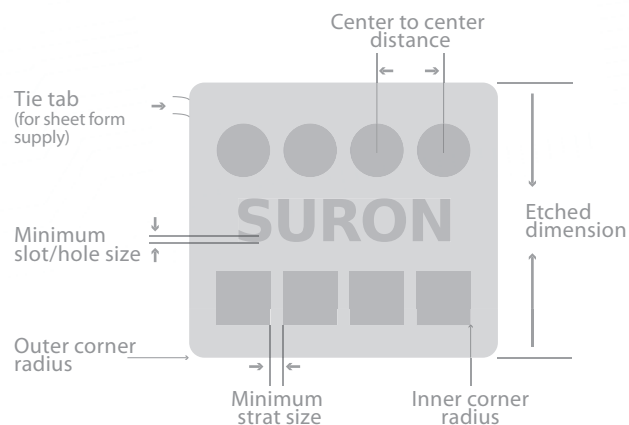


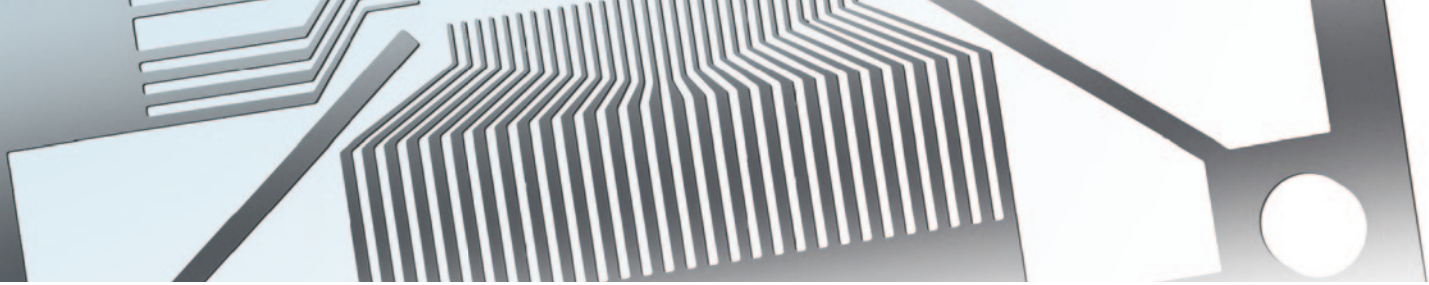
## Center to center dimensions

c/c dimensions	Tolerance
25.4mm (1.0") or less	±0.01mm (.0004")
25.4mm (1.0") - 76mm (3.0")	±0.02mm (.0008")
76mm (3.0") - 152.4mm (6.0")	±0.04mm (.0016")
152.4mm (6.0") - 254mm (10.0")	±0.05mm (.0020")

## Other limits

Limit name	Value
Minimum line width between two openings	100%T
Minimum inner corner radius	100%T
Minimum outer corner radius	75%T





## Relationship of bevel to metal thickness

Etching type	Cross-section Diagram
Double side etching $A = 10\%T - 15\%T$	
Single side etching $A = 20\%T - 40\%T$	
Rounded corners Available upon request	

## Etching method

Etching method	Cross-section Diagram
"Step" or "Blind Hole" etching	
"Single side" etching	
"Double side" etching	
Combination of "Blind hole" and "Double side" etching	

## Etched dimensions

Metal thickness (T)	Tolerance of general etched dimensions
0.2mm (.008") or less	$\pm 0.025\text{mm}$ (.001") or better (empirical)
0.2mm (.008") - 0.6mm (.024")	$\pm 10\%T$
0.6mm (.024") - 1.5mm (.060")	$\pm 15\%T$
over 1.5mm (.060")	may be possible upon request

Blind hole / slot / step cross section radius	100%d
Lid "fin" thickness (F)	Higher than 25%T

\* There are ways to overcome the limitations of the procedures by making special adjustments, and/or combining additional technologies during the production process.

