



## Heat sink Manufacturing Processes Comparison Chart

Fin	Bonded	Cast	Extrusion	Folded	Forged	Skived	Stamped
<b>Max. Fin Height</b>	6.0"	3.0"	3.0"	2.0"	5"	1.5"	2.0"
<b>Min. Fin Thickness</b>	0.032"	0.07"	0.040"	0.010"	0.020"	0.016"	0.007"
<b>Max. Aspect Ration</b>	60:1	10:1	10:1	40:1	35:1	16:1	4:1
<b>Type</b>	Straight	Any	Straight Cross-cut	Straight	Any	Not perfectly straight	Straight
<b>Cooling Factor</b>	0.8x	1.4x	x	0.7x	1.5x	1.2x	1.4x
<b>Base cost factor</b>	1.3x	0.8x	X	1.2x	1.3x	1.2x	0.7x
<b>Tooling Cost Factor</b>	1.5x	4.0x	x	1.8x	3x	1.2x	2.8x
<b>Material type</b>	Au6063 Cu1100	Au356	Au6063	Au6063 Cu1100	Au6063 Cu1100	Au6063 Cu1100	Au6063 Cu1100

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