Thermal performance and pressure drop

Factor	Benefit	Risk or cost
Greater fin height	More area	Lower tip efficiency and greater pressure drop
Higher FPI	More area at fixed length	Blockage and harder cleaning
Thicker fin	Strength and conduction	More weight and cost
Metallurgical bond	Lower contact resistance	Weld and heat-affected-zone control
Serrated fin	More turbulence	Higher pressure drop and contamination retention

Source / basis: https://niktrd.com/fin-tube