

# GAL Extrusion<sup>®</sup>

Presenting a range of precise **'Aluminium Extruded'** products manufactured to meet your requirements.

[www.galaluminium.in](http://www.galaluminium.in)

## HEAT SINK ALUMINIUM PROFILES

Aluminium Heat sinks are used in electronic devices and assemblies to provide supplemental cooling that is required to prevent overheating of components. These elements are designed and optimized to ensure that electronic devices operate within the temperature ranges provided by manufactures.

Aluminium is the most common material for heat sinks. In particular, extruded Aluminium heat sinks fit the needs of most project. The metal is lightweight and has relatively good thermal conductivity.



Aluminium Heat Sink are produced from a solid block of metal. These heat sinks offer high design flexibility and you can achieve high fin-density. This creates more surface area and opportunity for heat dissipation. They offer medium to high performance, but their drawbacks are generally high weight and directional sensitivity.

Aluminium Pin Fin heat sink is a normal type of heat sink, but it differs from others as it consists of pins that are extended from its base. These pins are in various shapes including elliptical, cylindrical and square shapes. It is the most common type available in the market nowadays. Generally, a Heat Sink should work better when it has a large surface area, but this is not true in all the cases. This sink works on the concept of packing as much surface area as possible into any particular volume.

## HEAT SINK PROFILES

