



## Bright Black Anodized Extruded Heat Sink Industrial Aluminium Profiles 6063-T5

Our Product Introduction

for more products please visit us on [aluminumextrusion-profiles.com](http://aluminumextrusion-profiles.com)

### Basic Information

- Place of Origin: China
- Brand Name: MetalPlus
- Certification: CA ,CE
- Minimum Order Quantity: 1 ton
- Packaging Details: Ep paper ,kraft ,pallet
- Delivery Time: 20days
- Payment Terms: T/T ,L/C
- Supply Ability: 100 000ton each month



### Product Specification

- Product Name: Aluminum Heatsink Extrusion Profiles
- Alloy: 6063,6061
- Material: Aluminium
- Surface Treatment: Anodized ,Electrophoretic Coated,Powder Spray Coated
- Deep Process: Milling, Drilling, Bending,Cutting
- Temper: T5, T6
- Highlight: **Industrial Aluminium Profiles,  
6063-T5 heatsink extrusion,  
6063-T5 aluminum heat sink extrusion**



## Product Description

### Bright Black Anodized Extruded Heat Sink Industrial Aluminium Profiles 6063-T5

#### Description :

Product	Aluminum Heat Sink
Material	6063, 6061, 6005, 6082
Temper	T4/T5/T6/T66
Surface treatment	Powder Coating in RAL Color, Anodizing(AA10/15/20/25), Sandblasting, Brushing, Passivation, Silk screen, Mechanical/Chemical Polishing, Wood grain coated /Wooden transfer, Galvanise,(Nickel/Tin/Chrome/Copper) Plating, PVDF, Matt, etc.
Shape	Flat/Square/Round/Hollow/Oval/Triangle U type/L type/T type /H type
Deep Process	Aluminium profile extruding, Precious milling, Cutting, Punching, Bending, Tapping, Drilling, CNC lathe etc. Tolerance: length can be $\pm 0.2\text{mm}$ , hole can be $\pm 0.05\text{mm}$ .
Wall thickness	> 0.9mm
Section size	Square: $\leq 150 \times 150\text{mm}$
	Rectangle: $\leq 250 \times 50\text{mm}$
	Round: $\leq \varnothing 170\text{mm}$
Pack age	Inner plastic paper/PE paper interleaving each piece; Outer fixed by plywood or pallets with shipping mark; Or as required.
Delivery time	15-25 days after deposit

#### Advantages:

The aluminum alloy is better than some materials in the heat dissipation function of product.

The motor will generate a certain temperature during the working process, and the heat sink casing made of aluminum alloy material can maintain the temperature within a specific range after continuous working for many hours. We know that the thermal solubility of aluminum is relatively large.

The products made by aluminum extrusion are lighter.

Because the metal characteristics are relatively light, it is more convenient for mechanical transportation and installation. It also greatly reduces the weight of the entire motor product.

Good product plasticity. Due to the special physical properties of aluminum alloys, the ductility and plasticity of the product are much better than those of steel and casting iron.

Aluminum products have the advantages of light weight, small vibration and low noise, but also has the characteristics of waterproof, dust proof and corrosion resistance, energy saving, high performance, high efficiency and long service life. Environmentally friendly product.

#### Applications:

Aluminum heat sink is widely used on Machines , cars , lighter ...

#### Specifications:

##### 1. Primary Technical Data

##### 1) Chemical composition

Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Impurity	Al
6063	0.2-0.6	0.35	0.1	0.1	0.45-0.9	0.1	0.1	0.1	0.15	Rest
6061	0.4-0.8	0.7	0.15-0.4	0.15	0.8-1.2	0.04-0.35	0.25	0.15	0.15	Rest
6060	0.3-0.6	0.1-0.3	0.1	0.1	0.35-0.6	-	0.15	0.1	0.15	Rest
6005	0.6-0.9	0.35	0.1	0.1	0.40-0.6	0.1	0.1	0.1	0.15	Rest

##### 2) Mechanical property

Alloy	Temper	Tensile strength	Yield strength	Elongation
6063	T5	$\geq 160\text{Mpa}$	$\geq 110\text{Mpa}$	$\geq 8\%$
	T6	$\geq 205\text{Mpa}$	$\geq 180\text{Mpa}$	$\geq 8\%$
6061	T6	$\geq 265\text{Mpa}$	$\geq 245\text{Mpa}$	$\geq 8\%$

#### Competitive Advantage:

1) Pure 99.7% aluminum materials without any scrap used

- 2) OEM welcome, we can design and cut die to meet customer's special demand
- 3) Wonderful surface treatment, we can meet customers required on surface
- 4) Strictly quality control process assured higher quality.
- 5) Packing safety and convenient.



**Tag :**

**LED Aluminum Heat Sink**

**extruded aluminum heat sink**

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