



## Black Anodized 6005 T6 Heatsink Extrusion Profiles

### Basic Information

- Place of Origin: China
- 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: 6063,6061,6005
- Material: Aluminum
- Surface Treatment: Mill Finished,Anodized ,Electrophoretic Coated,Powder Spray Coated
- Deep Process: Milling, Drilling, Bending,Cutting
- Temper: T5, T6 ,T66
- Highlight: **black anodized heatsink extrusion profiles , t6 heatsink extrusion profiles, 6005 aluminium extrusion heat sink profiles**



## Product Description

### Black Anodized Aluminum Heatsink Extrusion Profiles For Water Cooler / Electronic Radiator / Automatic Industry

Aluminum can be very popular in the radiator industry, and can shine here, thanks to its excellent performance. MetalPlus Industrial adopts superior quality aluminum materials on the radiator casting road, which can lay a solid foundation for product quality from the source, and then use professional and exquisite craftsmanship to produce aluminum radiators that can be adapted to various fields and exert practical effects. , To solve the heat dissipation problem of various industries.

#### Description :

|                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                               |
|----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>T<br/>o<br/>t<br/>a<br/>l<br/>B<br/>u<br/>i<br/>l<br/>d<br/>i<br/>n<br/>g<br/>:</b>                         | 100 000 Square Meters                                                                                                                                                                                                                                                                                                                                                         |
| <b>E<br/>x<br/>p<br/>e<br/>r<br/>i<br/>e<br/>n<br/>c<br/>e</b>                                                 | 17 Years                                                                                                                                                                                                                                                                                                                                                                      |
| <b>E<br/>q<br/>u<br/>i<br/>p<br/>m<br/>e<br/>n<br/>t<br/>s<br/>:</b>                                           | Extrusion Machine ,Anodizing Line ,Powder Painting Line ,CNC turning, Auto-Lathes, CNC Machining Center, Stamping Machines, CNC spring machining, cnc cutting machine, welding machine, polishing machine, auto-milling machine, Drilling Machines, Heading Machines, Slotting Machines, Tapping Machines, Chamfering Machines, Grinder Machines, Polishing Machine and so on |
| <b>T<br/>e<br/>s<br/>t<br/>i<br/>n<br/>g<br/>E<br/>q<br/>u<br/>i<br/>p<br/>m<br/>e<br/>n<br/>t<br/>s<br/>:</b> | 3D measuring machine, Height Gage, Coordinate Measuring Machine, Hardness Tester, Video Measuring Machine, Roughness Tester, Torsion Tester, Salt Spray Tester, Slide caliper, Micrometer.                                                                                                                                                                                    |
| <b>M<br/>a<br/>t<br/>e<br/>r<br/>i<br/>a<br/>l<br/>:</b>                                                       | Aluminum                                                                                                                                                                                                                                                                                                                                                                      |

|                                                                               |                                                          |
|-------------------------------------------------------------------------------|----------------------------------------------------------|
| S<br>u<br>r<br>f<br>a<br>c<br>e<br>T<br>r<br>e<br>a<br>t<br>m<br>e<br>n<br>t: | Anodizing ,Brushing, Electrophoresis Powder coating, Etc |
| C<br>e<br>r<br>t<br>i<br>f<br>i<br>c<br>a<br>t<br>i<br>o<br>n<br>:            | ISO, Rohs, Etc                                           |

**Technology Supports :**

Our company has more than 600 employees, 50 R & D and structural design personnel, we are able to arrange the initial design drawing and the heat sink specification within the shortest time .  
 Once the design has been signed off, the quotation and actual lead me can be informed to the client.  
 Then move to the sample stage, Metalplus will extrude the profiles and CNC machine sample to test . And once approved , the prototype can be sent to the client .  
 After the prototype has been confirmed , we will follow the production  
 It is the cheapest customisation method to achieve high performance of a heat sink.

**Application**

It is believed that as long as people who have used electronic products know that heat dissipation problems will be involved in such products as video card, CPU, chassis power supply, etc., such products will have a radiator, generally aluminum alloy electronic radiator, which is only the application of radiator in ordinary civil products.  
 In addition, there are many industrial high-power devices that we don't pay much attention to, but are very important. They will also be used in electronic radiators. The main applications of high-power electronic radiator: Audio Equipment ,UPS power supply, EPS power supply, inverter, transformer, monocrystalline silicon, polycrystalline silicon, battery pack, new energy electronic controller, charging pile, inverter power supply, switching power supply, IP power supply, welding machine, communication transmitter, base station, control cabinet, power regulator, thyristor, etc.

**Advantage :**

The aluminum profile is made of pure aluminum or aluminum alloy. Through smelting, cutting, extrusion and other processes, metal panels with different cross-sectional shapes can be formed, and then can be processed under surface treatment processes such as wire drawing, sandblasting, electroplating, laser screen printing, and anodizing. It can be cast into a radiator shell with exquisite surface, superior and stable performance. As a raw material, aluminum profiles mainly have the following characteristics

1. Light weight
2. Corrosion resistance
3. Thermal conductivity
4. Non-magnetic
5. Plasticity

**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     | ≥ 160Mpa         | ≥ 110Mpa       | ≥ 8%       |
|       | T6     | ≥ 205Mpa         | ≥ 180Mpa       | ≥ 8%       |
| 6061  | T6     | ≥ 265Mpa         | ≥ 245Mpa       | ≥ 8%       |



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