

Round Aluminum Skived Fin Heat Sink with No Bonding Gap for High Heat Dissipation

Our Product Introduction

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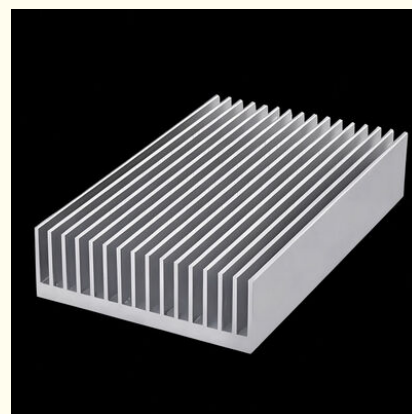
Basic Information

- Minimum Order Quantity: 500
- Price: 1.99

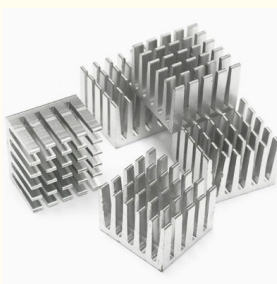
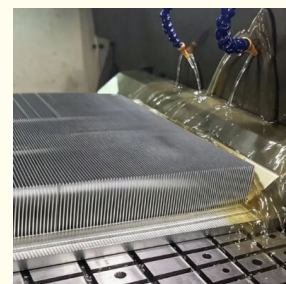


Product Specification

- Color: Black
- Shape: Round
- Material: Aluminum
- Warranty: 2 Year
- Customized: Customized
- Type: Extrusion Aluimum Heat Sink
- Standard: GB5237-2008
- Manufacturing Process: Aluminum Extrusion Process
- Process: CNC Machining &Skiving
- Fin Type: Integrated Skived Fin
- Application: Electronic Equipment Cooling
- Thermal Performance: High Heat Dissipation
- Feature: No Bonding Gap
- Tolerance: Precision Machining To
- Brand: Metalplus



More Images



Product Description

Custom CNC Machining Aluminum Skived Fin Heat Sink For Electronics

Product Description

Custom CNC machined aluminum skived fin heat sink for electronics. As professional aluminum manufacturer, we provide high-performance skived fin heatsinks with dense fins, excellent thermal conductivity for electronic device cooling. Custom sizes & designs available.

Our custom CNC machining aluminum skived fin heat sinks are manufactured in our own factory. Made from high thermal conductivity aluminum, skived fin design creates thin, dense and integrated fins without bonding gaps, delivering superior heat dissipation for various electronic equipment. We support fully customized dimensions, surface treatments and CNC precision machining. MetalPlus supplies reliable skived fin heatsinks for industrial electronics, power modules, amplifiers and other thermal management projects. Contact us for drawings and quotations.

Description :

Product Name	Aluminium/Aluminum Heat Sink (ISO 9001: 2015 TS16949: 2016)
Material	6000 Series aluminium T4 T5 T6 T66
Color	Different color available for your choices
Shape Size	According to customers' technical drawings
Surface finish	Profile extrusion, Cutting, Deburring, CNC Processing, Stamping, (drilling holes, tapping, Chamfering, Milling), (Brushing, Sandblasting, soda boiling, polish) Surface Treatment (Anodization, Painting, E-coating, Nickel plating), 100% Inspection (Function, Cosmetic), Assembly, Package, etc.
Deep processing	Cutting, punching, milling, drilling, welding, CNC
Application	Computer, Data Server, New energy vehicle, SVG/SVC/ APF/ frequency converter, inverter, charging device, Welding machine, Welding controller/ power supply (induction heating/ rectifier/ inverter power/ electroplate power/ SMPS/ laser power supply/) power regulator/ soft start/ broadcast communication (base station/ signal shielding broadcast transmitter, power amplifier) electronics, etc.
One-stop Service	Providing ONE-STOP customized aluminium extrusion heat sink and machining solution; From mold-designing, mold-making, profiles-extruding, machinery-processing, testing thermal resistance, making thermal image, optimizing the design of power dissipation to finished heat sink, all solely completed by our factory, thereby greatly reducing the supply cycle and improving product quality to meet the users' demand better.

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 time 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.

Company Advantage

ISO 9001:2008 certified

Extrusion machine, powder painting line , anodizing line , Wire-cut EDM Machine, CNC, milling machine, turning machine, grinding machine

advanced equipment and excellent R&D Team

professional designers and experienced workers

strict quality control system

highly skilled manufacturing process

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	0.15	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	0.15	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%

Technical Support

1. Based on the customer's requirements, we help design the appearance of the extruded profiles, provide CAD drawings and 3D models for customer confirmation, customize the molds, and extrude the aluminum profiles that meet the customer's requirements.

2. For customers with design capabilities, our professional R&D team will analyze and optimize the design based on the customer's drawings and our experience in extrusion processing, using the most reasonable design to reduce production costs and improve product performance.

3. Our company adopts a "one-stop" service and production model, including product design, customized molds, aluminum bar melting and casting, extrusion profiling, precision machining, and surface treatment. We can effectively control the alloy composition of raw materials and maintain product accuracy throughout the production process, providing you with high-quality products.

Factory

Equipment

Extrusion

Equipped with 44 aluminum extrusion lines, MetalPlus is capable of producing various standards of commercial aluminum profiles and industrial aluminum profiles with maximum outer diameter of 350mm.

MetalPlus has 44 aluminum profile extrusion lines equipped with PLC control systems and precise molds. The largest extruder used in the MetalPlus factory is a 6800 ton unit. The machine is used for the production of industrial profiles in various shapes with a maximum diameter of 600mm. This allows us to satisfy the different requirements of our various customers. Some of the aluminum products produced by MetalPlus include radiators, industrial fan blades, motor enclosures, solar cell frames, doors, and windows.

MetalPlus can produce custom molds according to customer requirements. We have the abilities and experience to produce aluminum profiles with complex structures. We have our own R&D team so we can provide reasonable suggestions for our customers in order to create superior products at affordable prices.

Anodizing

Anodizing is a process in which a layer of aluminum oxide is formed on the surface of aluminum alloy products when they are placed in an electrolyte solution and then an electrical current is applied. Oxidized aluminum profiles feature improved corrosion resistance so that the surface can withstand various weather conditions. Meanwhile, the aluminum oxide also increases the product's hardness and wear resistance.

MetalPlus has 6 anodizing production lines. The profiles processed in our anodizing lines feature uniform oxidation film thickness and color giving them a beautiful appearance. The oxidized profiles come in various color options including silver, black, gold, champagne, and imitation steel. Other colors can be customized upon request.

The anodized products will all be inspected by highly trained professional inspectors. Defective products which cannot be re-processed will be directly scrapped. Products with uneven color will be de-coated and re-anodized until they can meet the requirements. This ensures that there is no color difference among each batch of products.

Painting

Our factory is equipped with 4 powder spraying lines and all of them are using high-quality spray nozzles from Gema Switzerland. In the meantime, MetalPlus only uses safe and environmental friendly paint with strong adhesive force as well as durable color retention.

CNC Machining

MetalPlus is equipped with highly advanced machining equipment sets. All fine machining processes are accomplished by technicians with rich industry experience. Strict industrial standards are adopted during production to ensure fine machining precision and product quality.

1. MetalPlus has 12 PRATIC machining centers which can be used for the milling, drilling or tapping of profiles from different angles. They are especially suitable for the production of long profiles up to 6 meters. The equipment sets can realize machining of complex profiles with the simplest methods
2. MetalPlus has fully automatic cutting machines from Wegoma which can accomplish precise cutting with automatic and continuous material feeding, which means that the machines feature low labor cost and high production efficiency. Therefore, the cutting price of MetalPlus is significantly lower than that of the other enterprises in the industry.
3. We have 30 punching machines of which the punching pressure ranges from 50 to 100 tons. They can be used for the punching of relatively thick profiles of which the thickness can be over 5MM. There are also 10 stretch bending machines/bending machines which can realize bending of profiles to arc or different angles. The machining angle is highly precise. The factory is also equipped with 10 milling machines, realizing machining of different planes, bevels or grooves so that we can satisfy different machining requirements of our customers.

Packing and Shipping

Finished products are packaged manually and ready for delivery. MetalPlus adopts strict warehouse management procedures; the finished product warehouse is divided into sections to store specific products, any in & out transactions have to be recorded and each product has to be examined before delivering.

Certifications

Company History

In 2004 "THE RECOGNIZED BRAND OF THE BUILDING INDUSTRY MATERIAL MARKET"

In 2006 "CERTIFICATE FOR PRODUCT EXEMPTION FROM QUALITY SURVEILLANCE INSPECTION " and "ISO9001"

In 2009 "ADVANCED COMPANY "

In 2009 "JIANGSU FAMOUS BRAND CERTIFICAT "

In 2009 "CERTIFICATE FOR CREDIBLE PRODUCT OF QUALITY IN JIANGSU PROVINCE"

In 2012, Established the business relation ship with Panasonic , LG .

In 2015, be and inovative producer an supplying partner for Germany Client .

In 2017, Developed the new products of baseboard heaters .

In 2019, Cooperate with the world's largest Heater Manufacturers , and supply the Aluminum Shells for them .Won a good reputation !

In 2023, We will confidence to develop oversea distributor , to expand market for win-win benefits .

Project

The Soccer City Stadium, in Johannesburg is one of the major project of south African ,the 94 000 seat stadium is the largest capacity stadium in Africa .

We are very honored to participate in the construction of the project as the main supplier of aluminum!

The Soccer City Stadium won unanimous praise after it was built!

Lobster Trailers is a Nordic trailer giant ,we are very proud to cooperate with them .
Our professional R&D team analyze and improve upon Lobster's designs and then process them with our excellent processing equipment , exquisite technology . We minimize production costs and improve product performance thanks our optimization proficiencies.

 **Hentec Industry Co.,Ltd**

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