



6063 Alloy LED Light Heatsink with 2 Year Warranty and ISO9001 Certified Aluminum Extrusion Profile

Our Product Introduction

for more products please visit us on aluminumextrusion-profiles.com

Basic Information

- Minimum Order Quantity: 500
- Price: 1.99



Product Specification

- Material: Aluminum
- Color: Black
- Shape: Round
- Surface Treatment: Mill Finish, Anodizing, Sand Blasting, Powder Coating
- Alloy Type: 6063, 6061, 6060, 6005
- Tensile Strength: 160-265Mpa
- Yield Strength: 110-245Mpa
- Elongation: $\geq 8\%$
- Production Capacity: 50000PCS /Month
- Max Diameter: 350mm
- Max Extrusion Diameter: 600mm
- CNC Machining Length: Up To 6 Meters
- Punching Thickness: Over 5MM
- Anodizing Colors: Silver, Black, Gold, Champagne, Imitation Steel



More Images



Product Description

Silvery Anodized Custom LED Light Heatsink Extrusion Profiles with CNC Machining

Aluminum heat sink extrusion is the most common and cost-efficient thermal solution for electronic devices and industrial applications. Our extruded aluminum heat sinks offer lightweight construction, excellent thermal performance, and cost-effective manufacturing.

Product Specifications

Product Name	Aluminum Alloy LED Heat Sink
Raw Material	Aluminium
Surface Treatment	Mill finish, Anodizing, Sand Blasting, Powder coating
Equipment	CNC machine, grinding and shot peening machine, Precise tensile strength testers, magnetic powder flaw detectors
Deep Processing	Cutting, Drilling, Tapping, Polish, Milling
Certification	ISO9001, SGS certificate, ROHS report
Usage	High-power Semiconductor, Power Electronics cooling, LED/lamp electronic ballast, audio equipment, power amplifier circuits, automatic control meters
Delivery Time	7-10 Days after order confirmation

Technology Support

With over 600 employees including 50 R&D specialists, we provide comprehensive support from initial design to final production. Our process includes:

- Rapid design drawing and specification development
- Quick quotation and lead time confirmation
- Prototype production and testing
- Full-scale production after approval

Applications

Our heat sinks are essential components in various industries, including:

- Audio Equipment
- UPS/EPS power supplies
- Inverters and transformers
- Battery packs and new energy controllers
- Charging piles and welding machines
- Communication transmitters and base stations
- Control cabinets and power regulators

Company Advantages

- ISO 9001:2008 certified
- Comprehensive production facilities including extrusion machines, powder painting lines, and CNC equipment
- Advanced equipment and excellent R&D team
- Professional designers and experienced workers
- Strict quality control with 100% inspection
- Highly skilled manufacturing processes

Technical Data

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

Mechanical Properties

Alloy	Temper	Tensile Strength	Yield Strength	Elongation
6063	T5	≥ 160Mpa	≥ 110Mpa	≥ 8%
6063	T6	≥ 205Mpa	≥ 180Mpa	≥ 8%
6061	T6	≥ 265Mpa	≥ 245Mpa	≥ 8%

Production Capabilities

Our comprehensive services include:

- Custom profile design with CAD drawings and 3D models
- Design optimization to reduce costs and improve performance
- Complete "one-stop" production from design to surface treatment

Factory Equipment

Our manufacturing capabilities include:

- 44 aluminum extrusion lines with maximum outer diameter of 350mm
- 6800 ton extruder for industrial profiles up to 600mm diameter
- 6 anodizing production lines with uniform oxidation film thickness
- 4 powder spraying lines with high-quality Swiss equipment
- Advanced CNC machining centers for complex profiles

Quality Assurance

We maintain strict quality control throughout our production process:

- Professional inspectors examine all anodized products
- Defective products are either reprocessed or scrapped
- Color consistency is maintained across production batches
- 100% inspection before packing

Packaging and Shipping

All products are carefully packaged and undergo strict warehouse management procedures to ensure quality upon delivery.

Certifications

Notable Projects

We're proud to have supplied aluminum components for major projects including:

- Soccer City Stadium in Johannesburg - the largest capacity stadium in Africa
- Collaboration with Lobster Trailers, a Nordic trailer manufacturer



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