



Customized CNC Machining T5-T6 Temper Anodized Aluminum Industrial Fan Blade for Cooling

Our Product Introduction

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

Basic Information

- Certification: SONCAP, ISO, RoHS, TUV
- Minimum Order Quantity: 500
- Price: 1



Product Specification

- Alloy: 6063, 6061
- Temper: T3-T8
- Surface Finishing: Anodic Oxidation
- Alloying Ingredient: 6063
- Polish: Chemical/Mechanical Polish
- Machining: Tapping, Cutting, Milling
- Max Diameter: 600mm
- Tensile Strength: 160-265Mpa
- Yield Strength: 110-245Mpa
- Elongation: $\geq 8\%$
- Si Content: 0.2-0.8%
- Mg Content: 0.35-1.2%
- Cu Content: 0.1-0.4%
- Zn Content: 0.1-0.25%
- Production Capacity: 50000PCS/Month



More Images



Product Description

6063 6061 Customized CNC Machining Cooling Industrial Fan Blades Profile

MetalPlus specializes in designing and manufacturing custom industrial aluminum extrusion fan blade profiles to meet specific performance and design requirements. With expertise in fan blade profile design, tooling, prototyping, testing, balancing, and large-scale production, we deliver precision-engineered solutions.

Since 2007, our 6800-ton extrusion machine enables production of profiles with maximum diameters up to 600mm, accommodating large-section fan blades.

We supply zero-defect aluminum profiles for our customers!

Product Specifications

Item	Description
Alloy	AA6063-T5, 6061-T6
Standard	GB/75237-2004
Specification	Customized (OEM)
Design	New dies produced according to customer samples or drawings
Products	Aluminum profiles for furniture, doors/windows, fan blades, lighting, heat sinks, decoration, industrial and construction applications
Molds Time	Approximately 10 days after drawing confirmation
Length	Custom cut to requirements
Thickness	Customized to requirements
MOQ	500KGS per design
H.S CODE	7604210000
Origin	Shanghai, CHINA
Packing	Cover film or EP Foam, bundled with shrink film/carton paper
Delivery Time	20-25 days after order confirmation
Loading Port	Shanghai
Payment Terms	30% deposit, balance before shipment

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

Mechanical Properties

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

Technical Support

- Custom design services including CAD drawings and 3D models for profile confirmation
- Professional R&D team for design analysis and optimization to reduce costs and improve performance
- One-stop service covering design, mold customization, extrusion, machining, and surface treatment
- Strict quality control throughout production process for high-quality output

Factory Equipment

Extrusion

44 aluminum extrusion lines with PLC control systems, including a 6800-ton unit for industrial profiles up to 600mm diameter. Capable of producing complex structures including radiators, fan blades, motor enclosures, and solar cell frames.

Anodizing

6 anodizing lines producing uniform oxidation films in various colors (silver, black, gold, champagne, imitation steel). Strict quality inspection ensures color consistency and defect-free products.

Painting

4 powder spraying lines using Gema Switzerland nozzles and environmentally friendly paints with strong adhesion and durable color retention.

CNC Machining

Advanced equipment including 12 PRATIC machining centers, Wegoma cutting machines, 30 punching machines (50-100 ton), bending machines, and milling machines for precision processing of complex profiles.

Packing and Shipping

Manual packaging with strict warehouse management. Products are examined before delivery with complete transaction records.

Certifications

Company History

- 2004: Recognized Brand of the Building Industry Material Market
- 2006: ISO9001 Certification
- 2009: Jiangsu Famous Brand Certificate
- 2012: Established relationships with Panasonic and LG
- 2015: Innovative supplier for German clients
- 2017: Developed new baseboard heater products
- 2019: Supplier for world's largest heater manufacturers
- 2023: Expanding overseas distribution network

Notable Projects

Soccer City Stadium, Johannesburg: Main aluminum supplier for Africa's largest stadium (94,000 seats).

Lobster Trailers: Nordic trailer manufacturer partnership with optimized designs and processing.

School Furniture Project: Supplied aluminum legs for school desks, helping local customer win project bids.



 +86-13861643436  aluminum@hentec.com.cn  aluminumextrusion-profiles.com

Qinfeng Road No.555 Huashi Town Jiangyin Jiangsu China (mainland) 214421