

Customized CNC Machining Aluminum Fan Blade with Anodized Surface and Powder Coated Finish for Industrial Applications

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

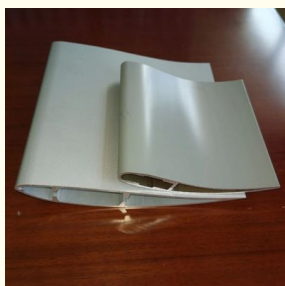


Product Specification

- Model NO.: Ceiling Fan Blades
- Grade: 6000 Series
- Temper: T3-T8
- Alloy: 6063, 6061, 6060, 6005
- Surface Finishing: Anodic Oxidation
- Surface Treatment: Anodizing/Powder Painting/Electrophoresis
- Machining: Tapping, Cutting, Milling
- Tensile Strength: 160-265Mpa
- Yield Strength: 110-245Mpa
- Elongation: $\geq 8\%$
- Max Diameter: 600mm
- Production Capacity: 50000PCS/Month
- Heat Treat: T4/T5/T6
- Polish: Chemical/Mechanical Polish
- Transport Package: Carton&Wooden Case



More Images



Product Description

6063 6061 Customized CNC Machining Aluminum Ceiling Fan Blades / HVLS Fan Blade

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

Product Specifications

Various sections for industrial applications including heat radiators, flow lines, elevators, textile industry, solar energy, vehicle lamps, medical treatment, and ship building

Material options: Pure aluminum to alloy duralumin (6063, 6061, 6060, 6005, etc.)

Heat treatment: T4/T5/T6

Surface treatments: Anodized, powder coating, electrophoresis, wooden-pattern transfer, thermal-break, sand blasting, mechanical polishing

Custom colors available

Packing: Foam and film wrapped bales

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%

Technical Support

Our comprehensive services include:

Custom design assistance including CAD drawings and 3D models

Design analysis and optimization by our professional R&D team

One-stop service from product design to surface treatment

Strict quality control throughout production process

Manufacturing Capabilities

Extrusion

With 44 aluminum extrusion lines including a 6800-ton unit, we can produce profiles up to 600mm in diameter for various industrial applications.

Anodizing

Our 6 anodizing lines produce uniform oxidation films with excellent corrosion resistance, hardness, and wear resistance in various colors.

CNC Machining

Our advanced machining equipment includes 12 PRATIC machining centers, automatic cutting machines, and various punching and bending machines for precision manufacturing.

Quality Assurance

Finished products are carefully packaged with foam and film protection. Our strict warehouse management ensures quality control from production to delivery.

Certifications

Notable Projects

Soccer City Stadium, Johannesburg

As the main aluminum supplier for Africa's largest stadium (94,000 seats), we contributed to this landmark project that received widespread acclaim.

Lobster Trailers

Our collaboration with this Nordic trailer giant showcases our design optimization and precision manufacturing capabilities.

School Furniture Project

We supplied aluminum legs for school desks, demonstrating our ability to support local businesses in winning contracts.



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