



6063 Aluminum Alloy Industrial Fan Blade with T5/T6 Temper and ISO9001 Certification

Our Product Introduction

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Basic Information

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



Product Specification

- Model NO.: Hvlis Fan Blade
- Grade: 6000 Series
- Temper: T3-T8
- Alloy: 6063
- Surface Finishing: Anodic Oxidation
- Width: 90mm To 250mm
- Tensile Strength: $\geq 160\text{Mpa}$ (T5), $\geq 205\text{Mpa}$ (T6)
- Yield Strength: $\geq 110\text{Mpa}$ (T5), $\geq 180\text{Mpa}$ (T6)
- Elongation: $\geq 8\%$
- Max Diameter: 600mm
- Production Capacity: 50000PCS /Month
- Surface Treatment: Anodizing/Powder Painting/Electrophoresis
- Machining: Tapping, Cutting, Milling
- Extrusion Force: 6800ton
- Chemical Composition: Si:0.2-0.6, Fe:0.35, Cu:0.1, Mn:0.1, Mg:0.45-



More Images



Product Description

Custom Aluminum Fan Blade Profile 6063/6061

MetalPlus specializes in designing and manufacturing custom industrial aluminum extrusion fan blade profiles to meet your specific performance and design requirements. With extensive 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, perfect for large-section fan blades.

Product Specifications

Product Name	Aluminum Fan Blade
Material	6063 /6061 aluminium alloy
Temper	T5/T6
Surface Treatment	Mill finish, powder coating, anodizing, wooden grain coating, polishing, electrophoresis, PVDF, sand blasting, etc.
Size	Customized to customer requirements
Width	90mm to 250mm or customized
Color	Natural silver, Black, or custom colors
Deep Processing	Cutting, Drilling, Threading, Bending, etc.
Application	Building, Industry, Machinery
Certification	ISO9001

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
- Design optimization by our R&D team to reduce costs and improve performance
- Complete "one-stop" production from design to surface treatment with strict quality control
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Manufacturing Capabilities

Extrusion

With 44 aluminum extrusion lines including a 6800-ton unit, we produce industrial profiles up to 600mm diameter for applications including radiators, fan blades, motor enclosures, and solar cell frames.



Anodizing

Our 6 anodizing lines produce uniform oxidation films in various colors (silver, black, gold, champagne) with enhanced corrosion resistance and hardness. Strict inspection ensures zero color variation.



CNC Machining

Our advanced machining center includes 12 PRATIC machining centers for complex profiles up to 6 meters, 30 punching machines (50-100 ton capacity), and precision bending equipment.



Quality Assurance

Finished products undergo manual packaging and strict warehouse management with detailed records and inspection before delivery.



Certifications



Company Milestones

- **2004:** Recognized Brand of Building Industry Material Market
- **2006:** ISO9001 Certification
- **2009:** Jiangsu Famous Brand Certificate
- **2012:** Established partnerships with Panasonic and LG
- **2019:** Supplier for world's largest heater manufacturers

Notable Projects

Soccer City Stadium, Johannesburg

As main aluminum supplier for Africa's largest stadium (94,000 seats), our materials contributed to this landmark project's success.



Lobster Trailers

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



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