



Silvery Anodized Anti Scratch Aluminium 6063 T5 Industrial Fan Blade with Customized Design

Our Product Introduction

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Basic Information

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



Product Specification

- Material: Aluminium Alloy 6063 T5
- Surface Treatment: Anodized, Powder Coated, Electrophoresis
- Color Options: Silver, Bronze, Champagne, Matte, Natural
- Length: 5.8m To 6m
- Alloying Ingredient: 6063
- Tensile Strength: $\geq 160\text{Mpa}$
- Yield Strength: $\geq 110\text{Mpa}$
- Elongation: $\geq 8\%$
- Production Capacity: 50000PCS /Month
- Max Diameter: 600mm
- Extrusion Force: 6800ton
- Machining Processes: Tapping, Cutting, Milling
- Polish Type: Chemical/Mechanical Polish
- Transport Package: Carton&Wooden Case
- MOQ: 1 Ton



More Images



Product Description

Silvery Anodized Anti Scratch Aluminium 6063 T5 Industrial Fan Blade / Ceiling Fan Blade

MetaPlus 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 superior quality products.

Since 2007, MetalPlus has operated a 6800-ton extrusion machine capable of producing profiles with maximum diameters of 600mm, enabling production of large-section fan blades.

We supply zero-defect aluminum profiles for our customers!

Product Specifications

Material	Aluminium alloy 6063 T5, or according to customer's request
Surface treatment	Mill finish, anodized, powder coated, electrophoresis, sand blasting, PVDF coating, wood grain painting, matted, polishing bright
Color	Silver, Bronze, Champagne, Matte, Natural for anodizing, RAL for powder coating, or customized colors
Length	Standard 5.8m to 6m, or customized lengths
Packing details	Protective film for each profile, paper/shrinking film for each bundle
Delivery time	15-30 days after deposit and mold testing completion
Molds policy	7-15 days for mold opening and testing; mold fee refunded when order reaches 5 tons per mold
Production Capacity	150,000 tons/year
MOQ	1 ton
Port	Shanghai Port
Machine	44 advanced aluminum profile extrusion machines

Primary 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%

Competitive Advantages

Pure 99.7% aluminum materials without any scrap used
OEM welcome - we design and cut dies to meet special requirements
Superior surface treatment options to meet customer specifications
Strict quality control processes ensure higher quality

Hard alloy construction for longer lifespan
Safe and convenient packaging

Technical Support

Custom design services including CAD drawings and 3D models
Professional R&D team for design analysis and optimization
Complete "one-stop" service from design to surface treatment
Strict control of alloy composition and production accuracy

Factory Equipment

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 strict quality inspection processes.

Painting

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

CNC Machining

Advanced equipment including 12 PRATIC machining centers, Wegoma cutting machines, 30 punching machines (50-100 ton), and 10 stretch bending machines for precision processing.

Packing and Shipping

Finished products are carefully packaged with protective film and undergo strict warehouse management procedures with detailed inspection before delivery.

Certifications

Company History

2004: Recognized Brand of the Building Industry Material Market
2006: ISO9001 Certification and Product Exemption from Quality Surveillance Inspection
2009: Advanced Company, Jiangsu Famous Brand Certificate
2012: Established partnerships 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 global 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 production processes

School Furniture Project - Supplied aluminum legs for school desks



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