



6063 Alloy Aluminum Extrusion Industrial Fan Blade Profile with Sandblast Anodizing and Customized CNC Machining

Our Product Introduction

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Basic Information

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



Product Specification

- Alloy Grade: 6000 Series
- Temper: T3-T8
- Surface Finishing: Anodic Oxidation
- Alloying Ingredient: 6063
- 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: $\geq 8\%$
- Chemical Composition: Si: 0.2-0.6, Fe: 0.35, Cu: 0.1, Mn: 0.1, Mg: 0.45-0.9, Cr: 0.1, Zn: 0.1, Ti: 0.1
- Max Diameter: 600mm
- Production Capacity: 50000PCS /Month
- Surface Treatment: Anodizing/Powder Painting/Electrophoresis
- Machining Capability: Tapping, Cutting, Milling
- Extrusion Force: 6800ton
- Anodizing Film Thickness: 10-25 μm



More Images



Product Description

Custom Aluminum Extrusion Fan Blade Profiles

MetalPlus specializes in designing and manufacturing custom industrial aluminum extrusion fan blade profiles using AA6060, AA6063, AA6005, and AA6061 alloys with sandblast anodizing surface treatment.

We supply zero-defect aluminum profiles with custom design capabilities for industrial fan applications.

Product Specifications

Alloy	AA6063-T5, AA6061-T6
Standard	GB/75237-2004
Specification	Customized (OEM)
Design	Custom dies based on customer samples or drawings
Mold Time	Approximately 10 days after drawing confirmation
Length	Custom cut to customer requirements
Thickness	Customized to customer specifications
MOQ	500 kg 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
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	≥ 160 MPa	≥ 110 MPa	≥ 8%
6063	T6	≥ 205 MPa	≥ 180 MPa	≥ 8%
6061	T6	≥ 265 MPa	≥ 245 MPa	≥ 8%

Surface Treatment Specifications

Class	Min-Avg Film Thickness (μm)	Min-Part Film Thickness (μm)	Acid-Resistant CASS	Abrasion Resistance (S)	Abrasion Resistance (h)	Class	Abrasion (f, g/μm)
AA 10	10	8	16	≥9	≥50	≥300	

AA 15	15	12	32	≥9	≥75	≥30 0
AA 20	20	16	56	≥9	≥100	≥30 0
AA 25	25	20	72	≥9	≥125	≥30 0

Technical Support & Services

Custom design services including CAD drawings and 3D models
Professional R&D team for design optimization and cost reduction
One-stop production from design to surface treatment
Quality control throughout manufacturing process

Manufacturing Capabilities

Extrusion

44 aluminum extrusion lines with maximum outer diameter capacity of 350mm, including a 6800-ton extruder for profiles up to 600mm diameter.

Anodizing

6 anodizing production lines providing uniform oxidation film thickness in various colors including silver, black, gold, champagne, and imitation steel.

Painting

4 powder spraying lines using Gema Switzerland nozzles with environmentally friendly, durable paints.

CNC Machining

Advanced machining equipment including 12 PRATIC machining centers, automatic cutting machines, and 30 punching machines.

Packing & Shipping

Manual packaging with protective film/foam and shrink wrapping. Strict warehouse management with quality inspection before delivery.

Certifications & Quality

Company History & Projects

Established in 2004, MetalPlus has grown to become a trusted supplier for major international clients including Panasonic, LG, and European manufacturers.

Notable Projects

Soccer City Stadium, Johannesburg - Main aluminum supplier for Africa's largest stadium

Lobster Trailers - Custom aluminum profile supplier for Nordic trailer manufacturer

School furniture components for educational projects

