

Anodized Surface Powder Painted Aluminum HVLS Fan Blade with Customized Color for Industrial Use

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

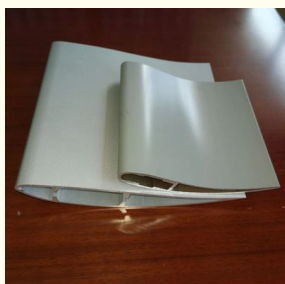


Product Specification

- Model NO.: HVLS Fan Blade Profile
- Grade: 6000 Series
- Temper: T3-T8
- Alloy: 6063, 6061, 6060, 6005
- Surface Finishing: Anodic Oxidation
- Surface Treatment: Anodizing/Powder Painting /Electrophoresis
- Polish: Chemical/Mechanical Polish
- Machining: Tapping, Cutting, Milling
- Production Capacity: 50000PCS /Month
- Tensile Strength: 160-265Mpa
- Yield Strength: 110-245Mpa
- Elongation: $\geq 8\%$
- Max Diameter: 600mm
- Extrusion Force: 6800ton
- Heat Treat: T4/T5/T6



More Images



Product Description

6063 6061 6005 6060 6082 Bright Color Anodizing / Powder Painted Aluminum HVLS Fan Blade Profile

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 for industrial applications.

Key Features

Multiple alloy options: 6063, 6061, 6060, 6005, 6082

Various heat treatment options: T4/T5/T6

Custom surface treatments: Anodized, Powder Coating, Electrophoresis, Wooden-pattern transfer, Thermal-break, Sand blasting, mechanical polishing

Available in any color per customer specifications

Secure packing with foam and film in bales

Maximum profile diameter of 600mm

Material Specifications

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 scrap

OEM services with custom design and die cutting

Superior surface treatment capabilities

Strict quality control processes

Hard alloy for extended lifespan

Safe and convenient packaging

Technical Support

Our comprehensive services include:

Custom profile design with CAD drawings and 3D models

Design optimization by our professional R&D team

One-stop production from design to surface treatment

Precise control of alloy composition and product accuracy

Production Capabilities

Extrusion:

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

Aluminum HVLS fan blade profile extrusion

Large aluminum profile extrusion process

Anodizing:

6 anodizing lines producing uniform oxidation films in various colors (silver, black, gold, champagne, imitation steel) with enhanced corrosion resistance and hardness.

Anodized aluminum fan blade profiles

Color anodized aluminum profiles

Painting:

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

CNC Machining:

12 PRATIC machining centers for complex profile machining

Wegoma automatic cutting machines for precise cutting

30 punching machines (50-100 ton capacity)

10 stretch bending/bending machines

10 milling machines for various machining operations

CNC machining of aluminum profiles

Precision aluminum profile machining

Aluminum profile machining center

Packing and Shipping

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

Packed aluminum fan blade profiles ready for shipping

Certifications

Company certifications and quality standards

Company History

2004: Recognized Brand of the Building Industry Material Market

2006: ISO9001 Certification

2009: Jiangsu Famous Brand Certificate

2012: Established partnerships with Panasonic and LG

2015: Innovative supplier for German clients

2019: Supplier for world's largest heater manufacturers

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.

Soccer City Stadium project with our aluminum products

Lobster Trailers:

Collaboration with this Nordic trailer giant, where our R&D team optimized designs and production processes to enhance performance while reducing costs.

Aluminum components for Lobster Trailers

Aluminum legs for school desks



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