



## Customized CNC Machining Anodized AA20um 6063 6061 Alloy Aluminum Elevator Profile Industrial Aluminium Profile

Our Product Introduction

for more products please visit us on [aluminumextrusion-profiles.com](http://aluminumextrusion-profiles.com)

### 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
- Anodized Thickness: 8 - 25um
- Powder Coated Thickness: 60 - 120um
- Profile Length: 3m - 6m
- Profile Thickness: 0.8 - 5.0mm
- Tensile Strength: 160Mpa - 265Mpa
- Yield Strength: 110Mpa - 245Mpa
- Elongation: ≥ 8%
- Extrusion Size: 400\*150mm, φ360
- Production Capacity: 50000PCS /Month
- CNC Machining: Tapping, Cutting, Milling
- Max Extrusion Diameter: 350mm
- Extrusion Machine: 6800 Ton



### More Images



## Product Description

### Custom CNC Machined Anodized Aluminum Elevator Profiles

Our 4500T grade extrusion machine enables production of any section within 400×150mm and  $\phi 360$  dimensions. We welcome your custom drawings and provide comprehensive aluminum profile solutions including extrusion, surface treatment, and assembly services.

### Product Specifications

Product	Oxidation Construction Aluminum Profile / Aluminum Elevator Profile
Material	Aluminium 6000 series alloy: 6063, 6005, 6061
Temper	T4, T5, T6
Size	3m - 6m per piece, or customized lengths
Shape	Round, square, flat, hollow, oval, triangle, U-profile, L-profile, T-profile, custom shapes available
Thickness	0.8 - 5.0mm standard range
Application	Elevator systems and components

### Surface Treatment Options

Surface Treatment	Mill-finish, anodized, powder coated, electrophoresis, brushed
Anodized Colors	Silver, black, champagne, bronze, gold, or custom colors
Anodized Thickness	8 - 25 $\mu$ m
Electrophoresis Colors	Silver, black, champagne, bronze, gold, or custom colors
Powder Coated Colors	Custom colors available
Powder Coated Thickness	60 - 120 $\mu$ m
Quality Guarantee	Surface color stability for 10-20 years indoor use

### Packaging Options

Bundles Packing	Inside: EP foam protection for each piece Outside: Waterproof craft paper wrapping
Carton Packing	Inside: Individual plastic bag packaging Outside: Multiple pieces in cartons
Wood Pallet Packing	Inside: Bundles or cartons Outside: Multiple bundles/cartons on wood pallets
Custom Packaging	Customized packing requirements available

### Service Details

MOQ	500kg per item; 13-15 tons for 20GP; 25 tons for 40HQ
OEM Service	Drawing, sample, or design services accepted
Production Capacity	5,000 metric tons monthly
Deep Processing	CNC, drilling, milling, cutting, bending, tapping, welding, assembling, punching
Brand Name	MetalPlus
Certifications	ISO9001-2008, ISO14001, SGS
Delivery Time	Die development & sampling: 12-18 days Mass production: 20-30 days after sample approval

Payment Terms	T/T, L/C
FOB Port	Shanghai
Settlement Terms	Final actual weight or drawing theoretical weight

## Applications

Industrial aluminum profiles for automotive, railway, machinery, electronics, medical equipment, and various industrial applications. Used in hardware, mechanical components, electromechanical parts, solar PV products, radiators, fitness machinery, building construction, lighting instruments, ventilation ducts, and pipeline systems.

## Competitive Advantages

- Comprehensive engineering design and technical support
- Advanced aluminum profile deep processing capabilities
- Strict quality control with comprehensive inspection systems
- 15-year product performance warranty

## 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%

## Technical Support

Our comprehensive technical support includes product design assistance with CAD drawings and 3D models, custom mold development, and professional R&D team analysis to optimize designs for cost efficiency and performance enhancement. We provide complete "one-stop" service covering product design, custom molds, aluminum casting, extrusion profiling, precision machining, and surface treatment.

## Factory Equipment & Capabilities

### Extrusion Facilities

44 aluminum extrusion lines with PLC control systems, including a 6800-ton extruder capable of producing profiles up to 600mm diameter. Custom mold production for complex profile structures with R&D team support for design optimization.

### Anodizing Department

6 anodizing production lines producing uniform oxidation films with consistent color. Available in silver, black, gold, champagne, and imitation steel colors with custom options. Strict quality control with comprehensive inspection procedures.

## Painting Facilities

4 powder coating lines equipped with Gema Switzerland spray nozzles, using environmentally friendly paints with strong adhesion and durable color retention.

## CNC Machining Center

Advanced machining equipment including 12 PRATIC machining centers for milling, drilling, and tapping of profiles up to 6 meters. Automated cutting machines from Wegoma, 30 punching machines (50-100 ton capacity), bending machines, and milling equipment for comprehensive processing capabilities.

## Quality Assurance & Packaging

Strict warehouse management with comprehensive inspection procedures before delivery. Manual packaging of finished products with detailed recording systems.

## Certifications

## Company History

**2004:** Recognized Brand of Building Industry Material Market  
**2006:** Product Exemption from Quality Surveillance Inspection & ISO9001 Certification  
**2009:** Advanced Company, Jiangsu Famous Brand, Credible Product of Quality  
**2012:** Established partnerships with Panasonic and LG  
**2015:** Innovative producer and supplying partner for German clients  
**2017:** Developed new baseboard heater products  
**2019:** Supplier for world's largest heater manufacturers  
**2023:** Expanding global distribution network for mutual benefits

## Notable Projects

### Soccer City Stadium, Johannesburg

Main aluminum supplier for Africa's largest capacity stadium (94,000 seats). Participated in construction of this major South African project that received unanimous praise upon completion.

### Lobster Trailers Partnership

Collaboration with Nordic trailer giant featuring design optimization, advanced processing equipment, and cost-effective production solutions.

### School Furniture Project

Supplied aluminum legs for school desks, supporting local customer Dadn in winning school project bids through strong design capabilities and mature manufacturing techniques.

