



## Customized CNC Machining 6063 6061 T5-T8 Temper Anodized Industrial Aluminium Profile System DIN/ISO 9001:2015

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

- Grade: 6000 Series
- Temper: T3-T8
- Alloy: 6063, 6061
- Surface Finishing: Anodic Oxidation
- Surface Treatment: Anodizing/Powder Painting
- Polishing Method: Chemical/Mechanical Polish
- Production Capacity: 50000PCS /Month
- Tensile Strength: 160-265Mpa
- Yield Strength: 110-245Mpa
- Elongation:  $\geq 8\%$
- Max Extrusion Diameter: 350mm
- Max Extruder Capacity: 6800 Ton
- CNC Machining Length: Up To 6 Meters
- Punching Thickness: Over 5MM
- Anodizing Colors: Silver, Black, Gold, Champagne, Imitation



### More Images



## Product Description

### OEM 6063 6061 Customized CNC Machining Anodized Industrial Aluminium Profile System

MetalPlus produces an extensive assortment of top-quality, customized standardized casings. Our selection of industrial enclosures for electronics includes aluminum profile housings, die-cast aluminum boxes, standard aluminum chassis, rack mount enclosures, and CNC precision machined components.

#### Key Advantages

- Custom aluminum profile housing manufactured using state-of-the-art CNC processing equipment
- Precision manufacturing based on customer specifications
- Reliable on-time delivery

### Product Specifications

Product Name	Anodized Industrial Aluminium Profile System
Material	Aluminum
Size	Customized according to drawings, samples, or requests
Services	One-stop services including stamping, forging, casting, and machining
Design	Customized according to customer requirements
Industry Standards	DIN/ISO 9001:2015, RoHS compliant
Payment Term	L/C, T/T
Quality Control	RoHS tester

#### Additional Information

- Sample orders and small quantities accepted
- Fast shipping options available (DHL, EMS, UPS, FedEx)
- Located in Jiangyin City, China's manufacturing base
- Design support available for product applications

### Technical 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

#### 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
- Professional R&D team for design analysis and optimization
- One-stop service from design to final product

Strict quality control throughout production process

## Manufacturing Capabilities

### Extrusion

44 aluminum extrusion lines capable of producing profiles with maximum outer diameter of 350mm. Largest extruder is 6800 ton unit for industrial profiles up to 600mm diameter.

### Anodizing

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

### CNC Machining

12 PRATIC machining centers for complex profile machining

Fully automatic cutting machines from Wegoma

30 punching machines (50-100 ton capacity)

10 stretch bending/bending machines

10 milling machines for various machining requirements

## Certifications

## Notable Projects

**Soccer City Stadium, Johannesburg:** Supplied aluminum components for Africa's largest capacity stadium (94,000 seats).

**Lobster Trailers:** Partnered with Nordic trailer giant for aluminum components.

**School Furniture:** Supplied aluminum legs for school desks.



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