



Silvery Anodized Anti Scratch T-Slot Aluminum Profile for High Load Capacity Conveyor Systems

Our Product Introduction

for more products please visit us on aluminumextrusion-profiles.com

Basic Information

- Certification: CE, ISO
- Minimum Order Quantity: 500
- Price: 2.99

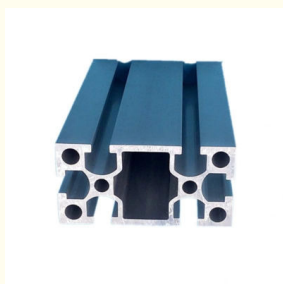
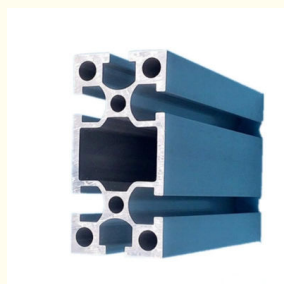


Product Specification

- Model NO.: Aluminium Profiles
- Type: Industrial Aluminium Profile, Aluminum Profile System
- Shape: T - Profile
- Grade: 6000 Series
- Temper: T3-T8
- Alloy: Alloy
- Surface Finishing: Anodic Oxidation
- Alloying Ingredient: 6063
- Surface Treatment: Sandblasting Anodized
- Specification: 20*20, 30*30, 40*40, 40*80, 30*60, 80*80mm
- Material: 6063, 6061, 6060, 6005
- Slot Width: 6MM, 8MM, 10MM
- Length: 6M
- Tensile Strength: $\geq 100\text{Mpa}$ (T5) $\geq 90\text{Mpa}$ (T3)



More Images



Product Description

Silvery Anodized Anti Scratch 6063 Aluminium Profiles for Conveyors Systems with Powder Coating

T-slot aluminum profile is recommended for applications with high loads, such as heavy work stations, fixtures, machine supporting structures, and transporting shuttles. The optimized load-carrying capacity offers a cost-effective and stable solution for design engineers. Lightweight dimensions can be used for less critical areas to optimize weight and cost.

Product Specifications

| | |
|-------------------|---|
| Product | Anodized Industrial Aluminum Profile For Conveyors Systems |
| Material | 6063, 6061, 6060, 6005 |
| Temper | T5/T6 |
| Surface treatment | Mill finish, powder coating, anodizing, wooden grain coating, polishing, electrophoresis, PVDF, sand blasting |
| Deep process | Milling, Drilling, Bending, Cutting |
| Slot width | 6MM, 8MM, 10MM |
| Length | 6M |
| Appearance | Normally square, round and T-shaped, or customized |
| Color | Silver, black, blue, wood color, according to clients' requirements |

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% |

Packaging & Shipping

Packaging: Standard export package, with options for custom packaging based on client requirements.

Shipping:

Samples shipped via express (FEDEX, DHL, UPS, EMS) with freight paid by client

Mass production shipped FOB Shanghai with freight negotiated based on specific requirements

Delivery Time: 3 weeks after confirming all order details

Company Profile

MetalPlus operates a 3600-ton extrusion press capable of producing heat sinks up to 600mm in diameter. We specialize in custom aluminum extrusions for construction and industrial applications, offering complete services from mold making to fabrication and surface

treatment.



Certifications



Company History

- 2004: Recognized Brand of the Building Industry Material Market
- 2006: Certificate for Product Exemption from Quality Surveillance Inspection and ISO9001 Certification
- 2009: Advanced Company Award and Jiangsu Famous Brand Certificate
- 2012: Established business relationships with Panasonic and LG
- 2015: Became innovative producer and supplying partner for European clients
- 2017: Developed new baseboard heater products
- 2019: Partnered with world's largest heater manufacturers to supply aluminum shells
- 2023: Expanding overseas distributor network for mutual benefits

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.



Lobster Trailers: Our professional R&D team collaborated with this Nordic trailer giant to optimize designs, reduce production costs, and enhance product performance through advanced processing techniques.



School Furniture Project: Supplied aluminum legs for school desks to local customer Dadn, demonstrating our capability to support clients in winning tenders through strong design and manufacturing expertise.



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