

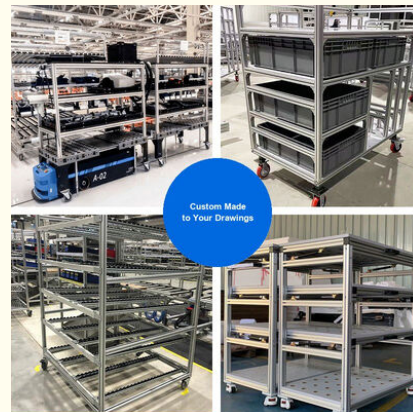
Custom T-Slot Aluminum Profile Structures: Industrial Workbenches, Storage Racking, Modular Platforms & Partition Rooms

Our Product Introduction

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

Basic Information

- Certification: CE, ISO
- Minimum Order Quantity: 1
- Price: 9.9



Product Specification

- Alloy Grade: 6000 Series (6063, 6061, 6060, 6005)
- Temper: T3-T8 (T4, T5, T6)
- Profile Dimensions: 20x20mm, 25x25mm, 30x30mm, 30x40mm, 40x40mm, 80x80mm, 100x100mm
- Slot Width: 6mm, 8mm, 10mm
- Standard Length: 6m Per Piece
- Surface Treatment: Sandblasting Anodized, Powder Coating, Brushing, Passivation, Polishing, Wood Grain, Plating, PVDF
- Anodizing Thickness: AA10, AA15, AA20, AA25
- Tensile Strength: $\geq 160\text{MPa}$ (6063-T5), $\geq 205\text{MPa}$ (6063-T6), $\geq 265\text{MPa}$ (6061-T6)
- Yield Strength: $\geq 110\text{MPa}$ (6063-T5), $\geq 180\text{MPa}$ (6063-T6), $\geq 245\text{MPa}$ (6061-T6)
- Elongation: $\geq 8\%$
- Profile Shape: T-Profile, Square, Round, Customized
- Extrusion Force: 2600 Ton



More Images



Product Description

MetalPlus engineers and manufactures anodized AA25 T-slot aluminum extrusion systems for industrial workbenches, storage racking, modular platforms, and partition rooms. With a production base exceeding 100,000 m² and annual capacity above 100,000 tons, we deliver precision aluminum profile solutions from mold design through extrusion, surface treatment, and final fabrication.

Product Range & Capabilities

ALUMINUM PROFILES

Aluminum profile systems, extrusion enclosures, LED extrusion profiles, aluminum frames, customized profiles, heat sinks, electric motor housings, construction profiles, and extrusion tubes.

DIE CASTING

Die-cast LED housings, stainless steel castings, and aluminum castings.

ACP

Aluminum composite panels for architectural and industrial applications.

FAN BLADES

Aluminum fan blade profiles engineered for balance and durability.

T-Slot Aluminum Profile Specifications

Product	T-Slot Aluminum Profiles Extrusion Frame
Material	6000 series aluminum alloy
Temper	T4, T5, T6
Surface Treatment	Powder coating in RAL colors, anodizing (AA10/15/20/25), sandblasting, brushing, passivation, silk screen, mechanical/chemical polishing, wood grain coating/wooden transfer, galvanizing, (nickel/tin/chrome/copper) plating, PVDF, matte finishes, and more
Size	40×40 mm, 30×30 mm, 30×40 mm, 25×25 mm
Slot Width	6 mm, 8 mm, 10 mm
Length	Standard 6 m per piece; precision free cutting to any size with dedicated cutting equipment
Appearance	Square, round, T-shaped, or fully customized
Color	Wood grain, aluminum silver, brilliant black, cream white, chocolate brown, bronze, champagne, golden yellow, and custom colors

Anodized T-slot aluminum extrusion profile for industrial workbench frames

Aluminum T-slot profile system assembled into a modular industrial structure

Close-up of T-slot aluminum profile slot width and surface finish

Product Parameters

1) 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

2) 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%

Packaging & Shipping

Packaging: Standard export packaging is used by default; custom packaging requirements from clients are also accepted.

Shipping:

Samples are shipped by express courier (FedEx, DHL, UPS, EMS); freight is paid by the client.

Mass production ships FOB Shanghai; freight terms are confirmed based on specific conditions.

Delivery time: 3 weeks after all order details are confirmed.

Company Profile

MetalPlus invested in a 3,600-ton express extrusion machine in 2007, enabling our factory to produce heat sinks with a maximum diameter of 600 mm. Shapes can be fully customized to customer requirements and project specifications.

We specialize in a wide range of aluminum extrusions for construction and industry. Depending on client needs, we provide mold making, extrusion, surface treatment, and fabrication as a complete service.

MetalPlus aluminum extrusion production facility
3600-ton aluminum extrusion machine in operation
Aluminum profile surface treatment workshop
Precision fabrication of aluminum extrusion frames
Quality inspection of extruded aluminum profiles
Finished aluminum profile products ready for shipment

Certifications

Company History

- 2004** Recognized Brand of the Building Industry Material Market.
- 2006** Certificate for Product Exemption from Quality Surveillance Inspection; ISO9001 certification.
- 2009** Advanced Company; Jiangsu Famous Brand Certificate; Certificate for Credible Product of Quality in Jiangsu Province.
- 2012** Established business relationships with Panasonic and LG.
- 2015** Became an innovative producer and supplying partner for European clients.
- 2017** Developed new baseboard heater products.
- 2019** Cooperated with the world's largest heater manufacturers, supplying aluminum shells and earning a strong reputation.
- 2023** Expanded overseas distributor development to grow the market for win-win benefits.

Project References

Soccer City Stadium — Johannesburg, South Africa

Soccer City Stadium is one of South Africa's major projects, with a 94,000-seat capacity making it the largest stadium in Africa. MetalPlus is honored to have participated in its construction as the main aluminum supplier. The stadium received unanimous praise after completion.

Lobster Trailers — Nordic Trailer Manufacturer

Lobster Trailers is a Nordic trailer giant, and MetalPlus is proud to cooperate with them. Our professional R&D team analyzes and improves upon Lobster's designs, then processes them with excellent equipment and exquisite technology. We minimize production costs and improve product performance through our optimization expertise.

School Project — Dadn

Our local customer Dadn won the bid for a school project, and MetalPlus supplied the aluminum legs for the school desks. With strong design capabilities and mature techniques, we help more customers win tenders.



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