



## Anodized 6063 T5 Aluminum Cylinder Electrical Motor Shell with 6000 Series Alloy and T3-T8 Temper

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: 2



### Product Specification

- Alloy: 6063, 6061, 6005, 6060, 6082
- Temper: T5, T6, T66
- Surface Treatment: Anodizing, Powder Coated, Brushed
- Shape: Square
- Color: Silvery, Black
- Tensile Strength:  $\geq 160\text{Mpa}$  (T5),  $\geq 205\text{Mpa}$  (T6)
- Yield Strength:  $\geq 110\text{Mpa}$  (T5),  $\geq 180\text{Mpa}$  (T6)
- Elongation:  $\geq 8\%$
- Max Diameter: 350mm
- Production Capacity: 50000PCS /Month
- Polish Type: Chemical/Mechanical Polish
- Si Content: 0.2-0.6% (6063)
- Mg Content: 0.45-0.9% (6063)
- Fe Content: 0.35% (6063)
- Cu Content: 0.1% (6063)



### More Images



## Product Description

### Anodized Electrophoresis Anti Scratch 6063 T5 Aluminum Cylinder / Electrical Motor Shell

Electric motor housing aluminum extrusion, also known as aluminum alloy motor shell or servo motor housing aluminum profiles, designed for industrial applications.

#### Product Features

Material: Aluminum Alloy Extrusion Anodized Aluminium Profile for Pneumatic Cylinder

Alloy temper options: 6063, 6061, 6005, 6060, 6082, T5, T6, T66

Manufacturing standards: EN755, ASTM B221, DIN Standard

Surface treatment options: Mill finish, Anodizing, Powder coated, Brushed

Applications: Industrial equipment, Construction components

Key advantages:

- Pure 99.7% aluminum materials without scrap content
- OEM services including custom die design and manufacturing
- Customizable surface treatments to meet specific requirements
- Strict quality control processes ensure superior quality
- Hard alloy composition extends product lifespan
- Safe and convenient packaging solutions

#### Manufacturing Process

Die design → Die making → Extruding → Cutting → CNC Machining → Surface treatment → Packing

#### 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
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 support includes:

- Custom design services including CAD drawings and 3D models
- Professional R&D team for design analysis and optimization
- Complete "one-stop" production from design to surface treatment
- Strict quality control throughout manufacturing process

#### Manufacturing Capabilities

**Extrusion:** 44 aluminum extrusion lines with maximum outer diameter capacity of 350mm, including a 6800 ton extruder for profiles up to

600mm diameter.



**Anodizing:** 6 production lines producing uniform oxidation films in various colors including silver, black, gold, champagne, and imitation steel.



**Painting:** 4 powder spraying lines using Gema Switzerland nozzles with environmentally friendly, durable paints.

**CNC Machining:** Advanced equipment including 12 PRATIC machining centers, Wegoma cutting machines, 30 punching machines (50-100 ton), and 10 stretch bending machines.



## Packing and Shipping

Finished products are manually packaged with strict warehouse management procedures ensuring quality control before delivery.



## Certifications



## Company History

2004: Recognized Brand of the Building Industry Material Market

2006: Certificate for Product Exemption from Quality Surveillance Inspection & ISO9001

2009: Advanced Company, Jiangsu Famous Brand Certificate, Credible Product of Quality in Jiangsu Province

2012: Established business relationships with Panasonic and LG

2015: Became innovative producer and supplying partner for BOSCH (Germany)

2017: Developed new baseboard heater products

2019: Cooperated with world's largest heater manufacturers

2023: Expanding overseas distributor network

## Notable Projects



**Soccer City Stadium, Johannesburg:** Supplied aluminum components for Africa's largest 94,000-seat stadium.



**Other Projects:** Collaboration with Nordic trailer manufacturer Lobster Trailers and supply of aluminum legs for school furniture projects.



Hentec Industry Co.,Ltd



+86-13861643436



aluminum@hentec.com.cn



aluminumextrusion-profiles.com

Qinfeng Road No.555 Huashi Town Jiangyin Jiangsu China (mainland) 214421