# 6061 - T6 Aluminum Extrusion Channel Frame , C Channel Aluminum

Our Product Introduction

## Basic Information

- Place of Origin: China
- Brand Name: HT
- Certification: CA ,CE
- Minimum Order Quantity: 1 ton
- Packaging Details: Ep paper ,kraft ,pallet
- Delivery Time: 20days
- Payment Terms: T/T ,L/C
- Supply Ability: 100 000ton each month

## Product Specification

- Product Name: Aluminum Extrusion Channel
- Alloy: 6063,6061,6005
- Material: Aluminum
- Suface Treatment: Mill Finished,Anodized etc
- Temper: T4, T5, T6 ,T66
- Application: Buildings,commercial,industrial
- Highlight: **construction aluminium profile**, **aluminium profile extrusion**

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## Product Description

# 6061 - T6 Aluminum Extrusion Channel Frame , C Channel Aluminum

Material:Aluminum
Alloy :6063,6061,6060,6005
Temper:  T4, T5, T6,T66
Deep process:  Milling, Drilling, Bending,Cutting

**Description:**

| | |
|---|---|
| Item | Aluminum Extrusion Channel |
| Material | Alloy 6063, 6061 or according to customer's choice |
| Temper | T4, T5, T6,T66 |
| Surface | Anodize (clear, satin, bronze, black, golden, silver, other multicolor) , electrophoresis, powder coating, PVDF coating, wood grain painting, etc. |
| MOQ | 1  ton. Usually 12 tons for a 20 feet container; 24 tons for a 40 feet container. |
| Profile type | Industry Aluminum profile used in cars, trains machinery ,trailers ,electronics, medical and other industrial filed . |
| Machining | 1. milling; 2. Drilling; 3. Bending; 4. Cutting ... |
| Moulding | 1. Using our moulds, free; 2. Using customer' s drawing, opening mould fee need to be paid . |
| Certificate | ISO14001:2004, ISO9001:2000 |
| FOB Port | Shanghai, etc. |

**Applications:**

Industry Aluminum profile used in cars, trains machinery ,electronics, medical and other industrial filed . In terms of hardware, machinery, electromechanical parts, solar PV products, aluminum frames are adopt as important auxiliary materials. We also have aluminum profiles for radiators, fitness machinery, buildings, lighting instrument, windpipes, oil pipelines, for instance.

**Specifications:**

**1. Primary Technical Data**

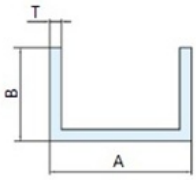
1) Chemical composition

| 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 property

| Alloy | Temper | Tensile strength | Yield strength | Elongation |
|---|---|---|---|---|
| 6063 | T5 | ≥ 160Mpa | ≥ 110Mpa | ≥ 8% |
| | T6 | ≥ 205Mpa | ≥ 180Mpa | ≥ 8% |
| 6061 | T6 | ≥ 265Mpa | ≥ 245Mpa | ≥ 8% |

**2. Specifications:**



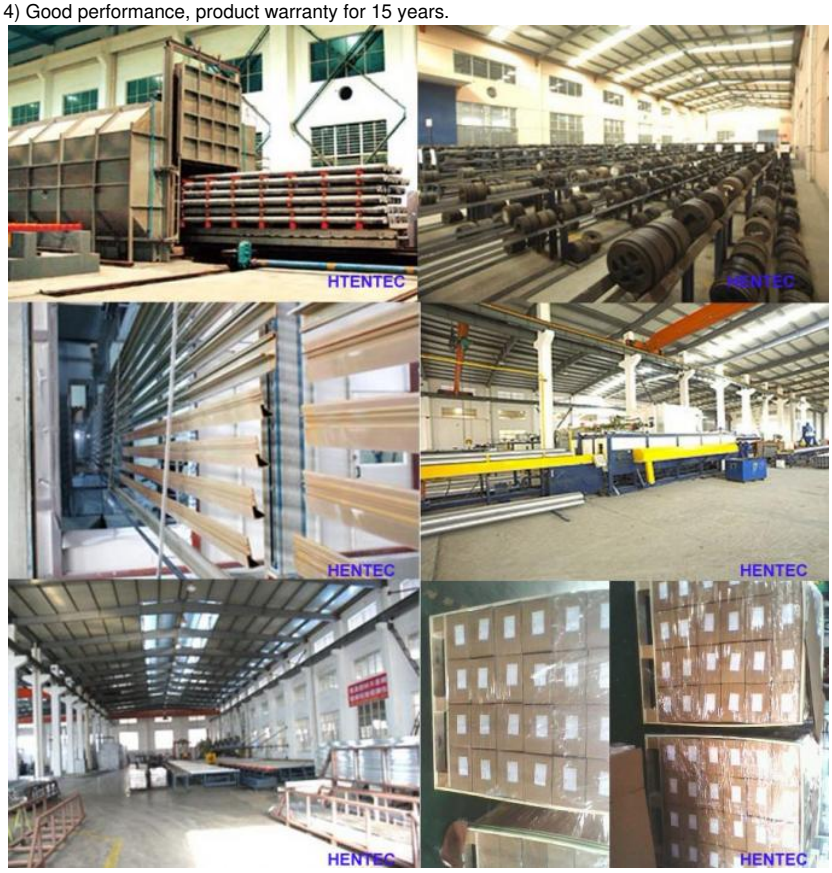

| NAME | A(mm) | B(mm) | T(mm) | EST.WEIGHT(kg/m) |
|---|---|---|---|---|
| L0361 | 5.5 | 12.1 | 1.1 | 0.088 |
| L0339 | 8.1 | 20 | 1.1 | 0.137 |
| L0303 | 10 | 10 | 1 | 0.076 |
| L0384 | 11.5 | 15 | 1.5 | 0.157 |
| L0302 | 12 | 12 | 1 | 0.092 |
| L0340 | 12.5 | 28 | 1 | 0.181 |
| L0323 | 12.7 | 12.7 | 1 | 0.108 |
| L0338 | 12.7 | 12.7 | 1.14 | 0.111 |
| L0324 | 12.7 | 16 | 1 | 0.128 |
| L0373 | 13 | 12.8 | 2 | 0.197 |
| L0383 | 13.5 | 20 | 1.5 | 0.206 |
| L03102 | 14 | 8 | 1 | 0.076 |
| L0365 | 15 | 15 | 2 | 0.223 |
| L0360 | 16 | 20 | 1.5 | 0.226 |
| L0344 | 17 | 13 | 1.2 | 0.138 |
| L0387 | 18.4 | 40 | 3 | 0.789 |
| L0399 | 19.6 | 25 | 1.8 | 0.322 |
| L0307 | 20 | 12 | 1 | 0.114 |
| L0316 | 20 | 23 | 1.5 | 0.264 |
| L0326 | 24.4 | 40 | 3 | 0.839 |
| L0310 | 25 | 18 | 0.9 | 0.144 |
| L0336 | 29 | 26 | 3 | 0.640 |
| L0321 | 29.4 | 40 | 3 | 0.840 |
| L03100 | 30 | 15 | 1.5 | 0.232 |
| L0318 | 30 | 20 | 3 | 0.536 |
| L0363 | 30 | 30.5 | 3 | 0.688 |
| L0325 | 31 | 25 | 1.2 | 0.277 |
| L0317 | 32 | 25 | 3 | 0.637 |
| L0379 | 34 | 20 | 2 | 0.378 |
| L0359 | 35.1 | 20 | 1.3 | 0.268 |
| L0306 | 38 | 13 | 1.2 | 0.200 |
| I0315 | 43 | 22 | 1 | 0.241 |
| L0327 | 43.8 | 46.9 | 1.4 | 0.537 |
| L0390 | 45 | 18 | 1.5 | 0.317 |
| L0381 | 46 | 30 | 3 | 0.810 |
| L0314 | 48 | 13 | 1 | 0.204 |
| L0329 | 50 | 9.5 | 2 | 0.352 |
| L0333 | 50 | 13 | 1.2 | 0.251 |
| L0370 | 50 | 20 | 2 | 0.489 |
| L0320 | 50 | 25 | 3 | 0.790 |
| L0378 | 50 | 35 | 3 | 0.634 |

1. Alloy :6063,6061,6005 or according to customer’ s choice
2. Material:Aluminum
3. Suface Treatment: Mill Finished,Anodized ,Electrophoretic coated,Powder spray coated,Fluorocarbon powder spray coated /PVDF Paint, Drawbench,Steel polished,Wood grain coated /Wooden transfer .
4. Deep process:  Milling, Drilling, Bending,Cutting.
5. Application:
Industry Aluminum profile used in cars, trains machinery ,electronics, medical and other industrial filed . In terms of hardware, machinery, electromechanical parts, solar PV products, aluminum frames are adopt as important auxiliary materials. We also have aluminum profiles for radiators, fitness machinery, buildings, lighting instrument, windpipes, oil pipelines, for instance.
6. Color:clear, satin, bronze, black, golden, silver, other multicolor
7. Temper: T4, T5, T6 ,T66

**Competitive Advantage:**

1) Engineering design and support.
2) Aluminium profiles deeply processing:cutting,punching,drilling,milling,and fabricating.

3) High Quality system, strictly inspection during production and whole inspection before package.
4) Good performance, product warranty for 15 years.

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