

# 打造中国铝行业第一品牌

## “苏州必真金属”

To build the first brand in China's aluminum industry  
Suzhou Must True Metal



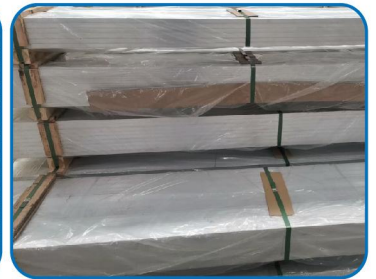
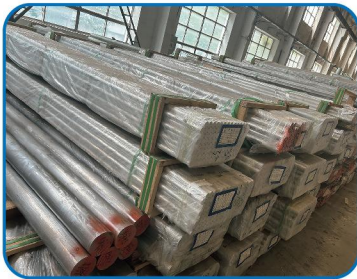
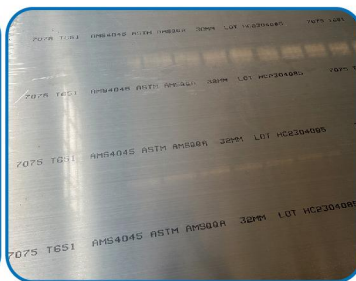
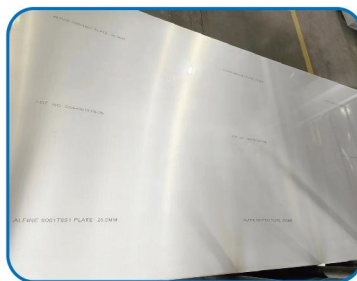
Aluminium

### 苏州戈必真金属材料有限公司

Suzhou All Must True Metal Material Co., Ltd.

### 苏州必真金属科技有限公司

Suzhou Must True Metal Technology Co., Ltd.



精益求精

Keep improving

永续经营

sustainable operation



**品质第一 诚信服务**  
Quality first integrity service



**苏州戈必真金属材料有限公司**  
**Suzhou All Must True Metal Material Co., Ltd.**

电话/Tel:0512-65336061 传真/Fax:0512—65335052

手机/MB:15151502018

E-mail:[jackiegong@musttruemetal.com](mailto:jackiegong@musttruemetal.com)

网址/website:[www.szgebizhen.com](http://www.szgebizhen.com)

中国江苏省苏州市工业园区唯亭镇金陵东路111号  
No.111 Jinling East Road, Weiting Town, Suzhou  
Industrial Park Jiangsu Province, China

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电话/Tel:15151502018 传真/Fax:0512—65335052

E-mail:[sales@musttruemetal.com](mailto:sales@musttruemetal.com)

网址/website:[www.musttruemetal.com](http://www.musttruemetal.com)

中国江苏省苏州市工业园区唯亭镇金陵东路111号  
No.111 Jinling East Road, Weiting Town, Suzhou  
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## Company Profile

Suzhou All Must True Metal Materials Co., Ltd. was founded in 2010, and its subsidiary Suzhou Must True Metal Technology Co., Ltd. was founded in 2022. After years of hard work, the enterprise has made great progress, and has quickly become a large private joint-stock enterprise with sales, R&D and production of aluminum plates, aluminum bars, aluminum tubes, aluminum rows and various aluminum profiles. Terminal customers include as follows: Samsung, Huawei, Foxconn and Luxshare Precision.

The company is located in Weiting Town, Suzhou Industrial Park, close to Shanghai and is 55KM away from Shanghai Hongqiao International Airport. The company currently has more than 100 employees, with total area of about 20,000 square meters. We keep stock of 6000 tons in the warehouse to meet customers' delivery demands the whole year round. Our core products are aluminum plate, aluminum bar, aluminum tubes, aluminum row and various aluminum profiles (e.g 6061, 7075, 5052, 5083, 6063, 6082), etc. The products are widely used in aviation, Marine, motor vehicles, electronic communications, semiconductors, metal molds, fixtures, mechanical equipment and parts and other fields.

With excellent product quality, good reputation, innovative marketing concept best-selling at home and abroad, in 2025, the total sales volume of the company is expected to reach 350,000 tons. In order to ensure the smooth progress of the international marketing strategy of "based on the domestic market and facing the world", when the company is actively expanding the domestic market, we strive to exploit the international market at the same time. Enterprises with advanced production equipment, strong technical force, excellent business philosophy, perfect strict quality management system, makes the products of aluminum plates, aluminum bars, aluminum tubes, aluminum rows and various aluminum profiles and other products are sold well at home and abroad.

Our company passed the ISO quality management system in 2012. The company has always been adhering to the enterprise spirit of "advancing with The Times, pioneering and innovative, people-oriented, honest in society" and the business philosophy of "professional and focused", constantly improving the core competitiveness and exploiting a broader market at home and abroad, and has committed to achieve the national brand of "one-stop shopping experts for aluminum raw materials for mechanical processing"!

Our company has rich varieties, complete thickness, superior quality and reasonable price! We always adhere to the purpose of customer as God, and work hard to build the first aluminum material Walmart in China, willing to be a one-stop supply expert of mechanical processing aluminum materials around you.

## 公司简介

苏州戈必真金属材料有限公司创建于2010年,其子公司苏州必真金属科技有限公司成立于2022年,经过多年的拼搏,企业得到了长足的发展,迅速成为铝板、铝棒、铝管、铝排和各种铝型材等集生产、研发和销售为一体的大型民营股份制企业,终端用户包括三星、华为、富士康和立讯精密等客户。

公司位于苏州工业园区唯亭镇,紧邻上海,距离上海虹桥国际机场55KM,交通便利。公司目前拥有员工100余人,其总占地面积约20000多平米,常年在库现货库存5000吨,以满足客户及时交付。核心产品包括铝板、铝棒、铝排和各种铝异型材(如6061、7075、5052、5083、6063、6082)等,产品广泛应用于包括航空、海运、机动车辆、电子通讯、半导体、五金模具、治具夹具和机械设备以及零部件等众多领域,凭借优良的产品质量,良好的信誉,创新的营销理念而畅销国内外。

2025年公司预计总销售量将达到350000吨,为确保企业“立足国内,面向世界”的国际化营销战略的顺利进行,公司在积极拓展国内市场的同时,又努力开拓国际市场,多年以来,企业以先进的生产设备、强大的技术力量、优秀的经营理念、完善的质量管理体系,使铝板、铝棒、铝排和各种铝型材等产品畅销国内外。

公司于2012年即通过了ISO质量管理体系,公司始终秉承“与时俱进、开拓创新、以人为本、诚信社会”的企业精神和“专业、专注”的经营理念,不断提升核心竞争力,开拓更广阔的国内外市场,致力于为实现“机械加工用铝原材料一站式购物专家”的民族品牌而奋斗!

公司品种丰富,厚度齐全,质量优越,价格合理!始终坚持以客户为上帝的宗旨,兢兢业业,打造中国第一家铝材料沃尔玛,愿做您身边机械加工铝材料一站式供应专家。

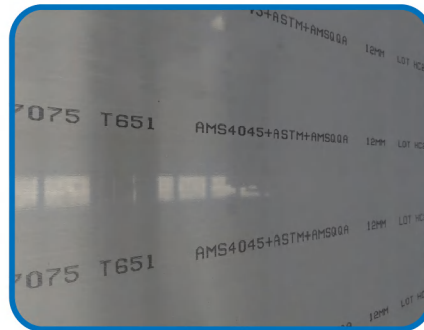
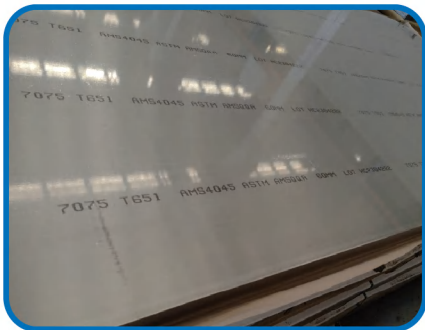
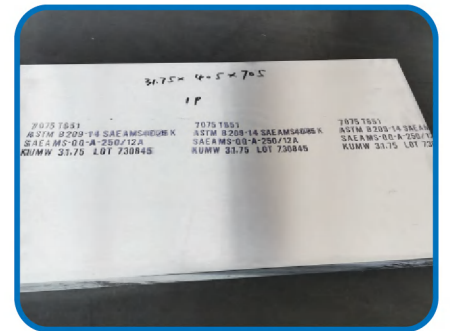
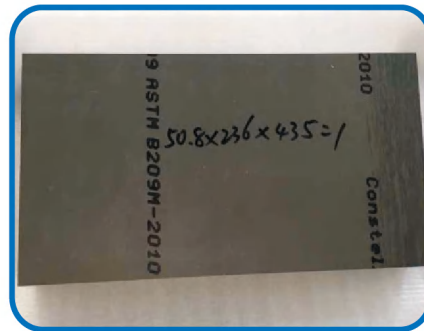
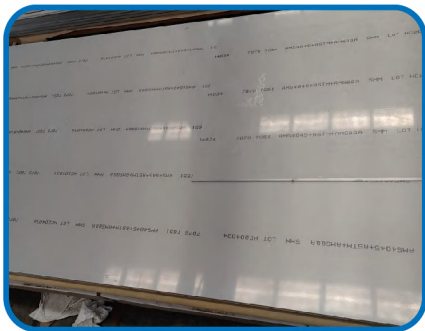
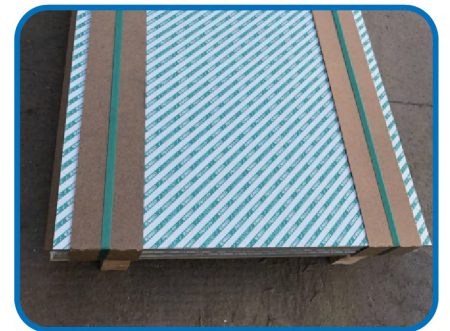
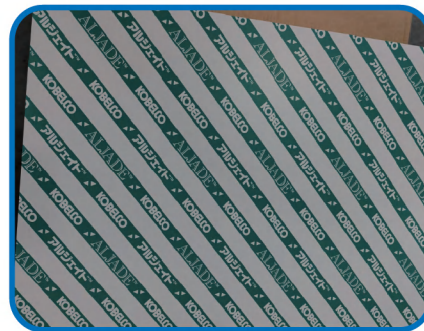
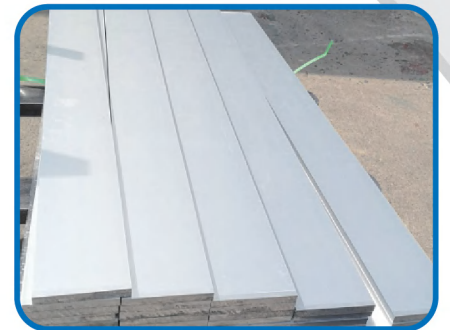
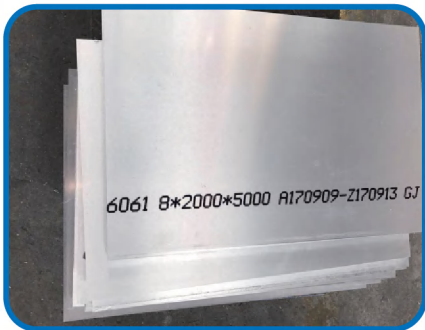
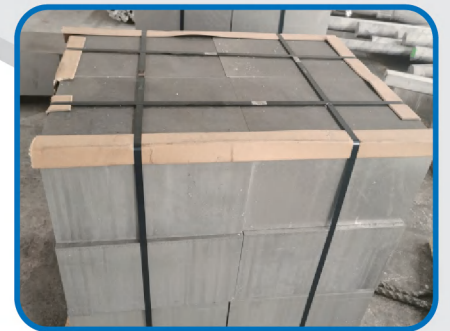
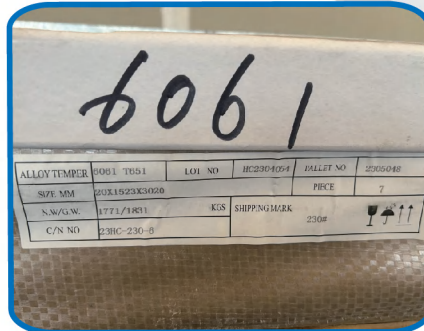
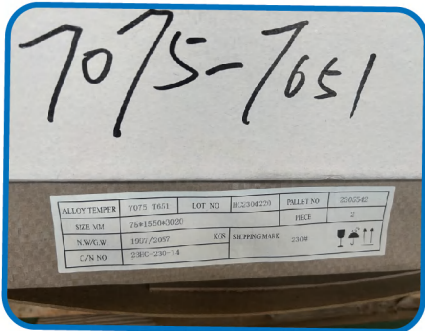




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Part of the company's finished product picture display(I)

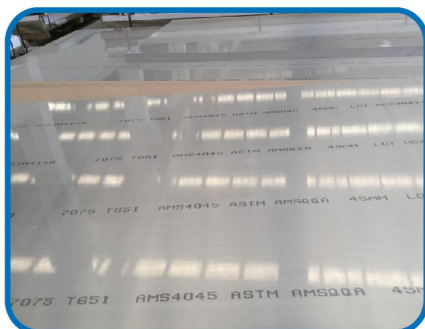
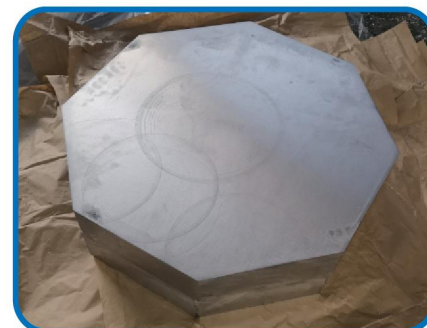
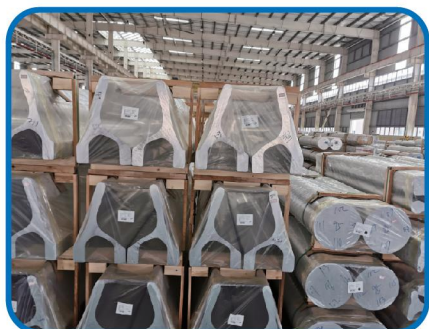
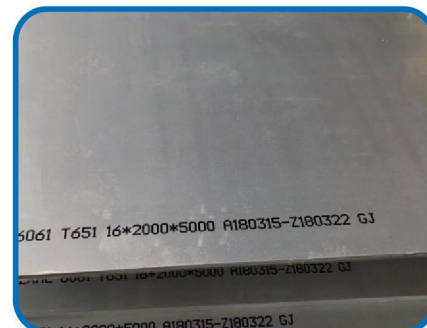
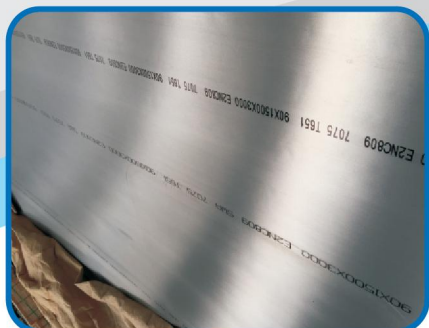






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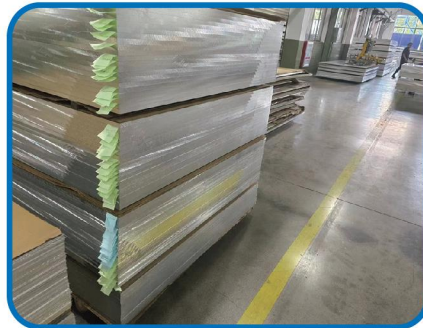
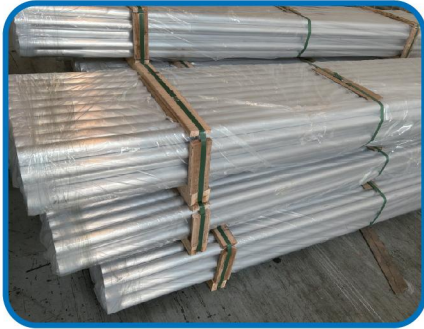




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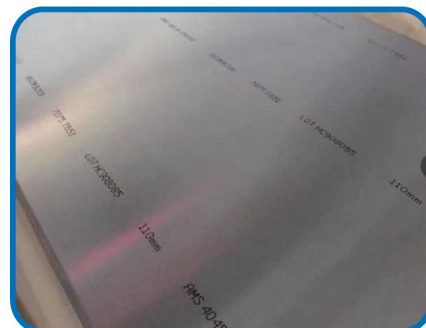
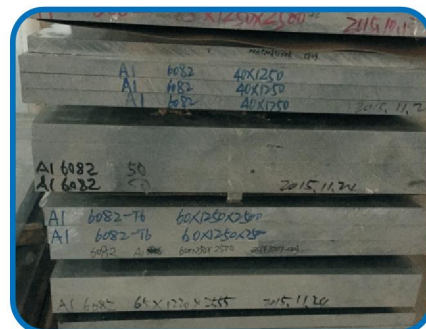
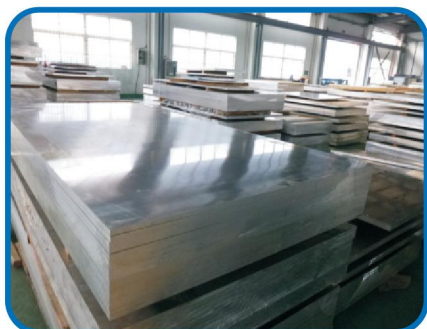






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Part of the company's finished product picture display (IV)



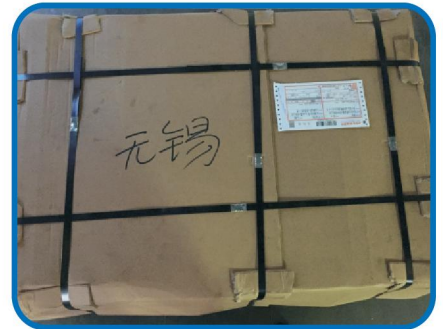
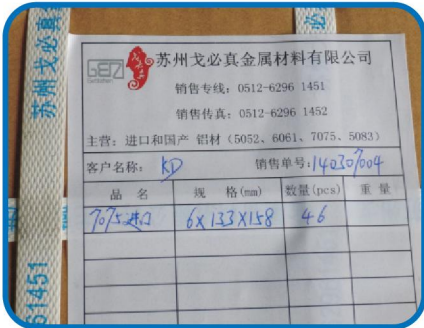




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## 公司部分打包好成品图片展示

Part of the company's packaged finished product picture display







## 部分产品的标准规格

### Standard Specifications of Partial Products

PRODUCT NAME	MODEL NO.	thickness optional range(mm) (length & width can be required)
Aluminium Alloy 6061-T651 Aluminium plate	6061-T651	(1-400)mm
Aluminium Alloy 6061-T6 Aluminium plate	6061-T6	(1-400)mm
Aluminium Alloy 6061 Super Flat Aluminium Plate	6061	(4-30)mm
Aluminium Alloy 6063 Aluminium plate	6063	(1-400)mm
Aluminium Alloy 6082 Aluminium plate	6082	(1-400)mm
Aluminium Alloy 7075-T651 Aluminium plate	7075-T651	(1-400)mm
Aluminium Alloy 2024 Aluminium plate	2024	(10-400)mm
Aluminium Alloy 5052 Aluminium plate	5052	(1-400)mm
Aluminium Alloy 5083 Aluminium plate	5083	(1-400)mm
Aluminium Alloy 2A12 Aluminium Bar/Rod	2024	Φ(1-400)mm
Aluminium Alloy 6061-T6511 Aluminium Bar/Rod	6061-T6511	Φ(4-400)mm
Aluminium Alloy 6082 Aluminium Bar/Rod	6082	Φ(1-400)mm
Aluminium Alloy 7075 Aluminium Bar/Rod	7075	Φ(1-400)mm
Aluminium Alloy 6061-T6 Aluminium Tube/Pipe	6061-T6	Φ(1-400)mm
Aluminium Alloy 6061-T6511 Aluminium Row	6061-T6511	various specification can be available, also can be required;
Aluminium Alloy 6061-T6 Aluminium Profile	6061-T6	the length and shape can be required (recommended length is 3000mm);





## 客户常见问题

### COMMON FAQ FROM CUSTOMERS

- ▶ 1、问：每个订单的最小起订量是多少，最小起订量可以协商吗？

答：MOQ 它是供应商愿意生产、制造或销售的产品最小数量。最小起订量通常由供应商设定，以确保最大的利润率和成本效率。一般来说，我们的最小起订量可以在发布订单之前与我们讨论，因此如果您对此有任何疑问，请直接向我们询问更多详细信息。

1. Q: What is the MOQ for each order, and can the MOQ be negotiated?

A: MOQ is the minimum quantity of a product that a supplier is willing to produce, manufacture or sell. MOQs are usually set by suppliers to ensure maximum profit margins and cost efficiency. Generally speaking, our MOQ can be discussed with us before releasing orders, so please ask us directly for more details if you have any question on it.

- ▶ 2、问：订单产品通常是如何包装和发运的？

答：我们通常是用海运包装方式包装和发运的。

2. Q: How is it usually packaged and shipped?

A: We usually use standard Sea Worthy Packing.

- ▶ 3、问：一个新下的订单通常的采购周期要多久？

答：一个新订单通常采购周期是 (3-15) 天，具体取决于客户订单的大小和类型。

3. Q: How long is the usual lead time for a new order?

A: The lead time for new orders typically ranges from 3 to 15 days, depending on the size and types of the customer's order.

- ▶ 4、问：贸易条款是什么？

答：贸易条款可以商定，但我们的客户通常采用的是 FOB/EXW/FCA 等条款。

4. Q: What's the trade terms?

A: The trade terms can be discussed, but our customers usually use FOB/EXW/FCA, etc.

- ▶ 5、问：付款条款通常使用的是是什么？

答：我们与客户在交易中推荐使用电汇/信用证，通常金额小于 1000 美金，我们的客户需要在我们生产前直接付全款；对于大于 1000 美金的订单，我们客户需要先预付 30% 订金，余款需要在见到发货提单 (运单) 后支付。其他具体细节双方再谈。

5. Q: What is the payment terms usually used?

A: We recommend TT/LC to be used in the transaction with our customers. Usually, below 1000USD order, our customer needs to pay for it directly before production. For over 1000USD order, customer needs to pay for 30% deposit in advance. Other Details can be discussed with each other.

- ▶ 6、问：客户可以要求样品吗？

答：可以的，我们可以免费赠送免费样品，但是客户需要支付运费。

6. Q: Can customer require sample?

A: Yes, it can be required for free, but should be freight collect.



## 主要产品的物理性能

Physical properties of main products

铝合金牌号 及状态 MODEL NO.	热膨胀系数 Thermal Expansion (20-100°C)	熔点范围 Melting Point(°C)	电导率 Electrical Conductivity 20°C (%IACS)	电阻率 Electrical Resistance 20°C Ω mm <sup>2</sup> /m	密度 Density(20°C) (g/cm <sup>3</sup> )
5052-H112	23.8	607-650	35	0.05	2.8
5754-H112	23.4	570-640	29	0.059	2.8
5083-H112	23.4	570-640	29	0.059	/
6061-T651	23.6	580-650	43	0.04	2.8
7075-T651	23.6	475-635	33	0.0515	2.85

## 主要产品的机械性能

Mechanical properties of main products

铝合金牌号及状态 MODEL NO.	拉伸强度 Ultimate Tensile Strength(25°C MPa)	屈服强度 Yield Strength(25°C MPa)	硬度Hardness 500kg/10mm	延伸率 Elongation 1.6mm(1/16in)
5052-H112	195	127	65	26
5083-H112	275-350	210	65	16
6061-T651	310	276	95	12
6063	230	180	80	8
6082	≥310	≥260	/	≥8
7075-T651	572	503	150	11
2024-T351	470	325	120	20





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## 产品的应用

### Product Application

End Use 终端使用	Potential Aluminum Grades 潜在的铝牌号				
Aircraft (Structure/Tube) 飞机 (结构/管)	2014	2024	7050	6061	7075
Architectural 建筑	3003	6061	6063		
Automotive Parts 汽车部件	2014	2024			
Building Products 建筑产品	6061	6063			
Boat Building 造船厂	5052	6061			
Chemical Equipment 化工设备	1100	6061			
Cooking Utensils 炊具	3003	5052			
Drawn and Spun parts 拉拔和旋压零件	1100	3003			
Electrical 电气	6061	6063			
Fasteners & Fittings 紧固件及配件	2024	6061			
General Fabrication 一般制造	1100	3003	5052	6061	
Machined Parts 机加工零件	2011	2014			
Marine Applications 船舶应用	5052	6061	6063		
Piping 管道	6061	6063			
Pressure Vessels 压力容器	3003	5052			
Recreation Equipment 游乐设备	6061	6063			
Screw Machine Products 螺丝机产品	2011	2024			
Sheet Metal Work 钣金加工	1100	3003	5052	6061	
Storage Tanks 储油罐	3003	6061	6063		
Structural Applications 结构应用	2024	6061	7075		
Trucks Frames & Trailers 卡车车架和拖车	2024	5052	6061	6063	



## 部分产品信息介绍

### partial products introduction

## 1. 6061铝合金介绍 6061 Alloy Introduction

- ▶ 6000系列铝合金是由镁和硅组成的合金。合金6061是6000系列中应用最广泛的合金之一。它具有良好的机械性能,易于机械加工,可焊接,可进行沉淀硬化,但没有达到 2000 和 7000 所能达到的高强度。虽然焊接区的强度降低,但它具有非常好的耐腐蚀性和非常好的可焊性。6061 的机械性能很大程度上取决于材料的回火或热处理。与 2024 合金相比,6061 更容易加工,即使表面磨损也能保持耐腐蚀。

6000 series aluminium alloys are alloyed with magnesium and silicon. Alloy 6061 is one of the most widely used alloys in the 6000 Series. It has good mechanical properties, it is easy to machine, it is weldable, and can be precipitation hardened, but not to the high strengths that 2000 and 7000 can reach. It has very good corrosion resistance and very good weldability although reduced strength in the weld zone. The mechanical properties of 6061 depend greatly on the temper, or heat treatment, of the material. In comparison to 2024 alloy, 6061 is more easily worked and remains resistant to corrosion even when the surface is abraded.

- ▶ 6061 型铝是应用最广泛的铝合金之一。其焊接性能和成型性能使其适用于许多通用应用。其高强度和耐腐蚀性使6061 型合金特别适用于航空、船舶、机动车辆、电子通信、半导体、金属模具、固定装置、机械设备和零件等领域。

Type 6061 aluminum is one of the most widely used aluminum alloys. Its weld-ability and formability make it suitable for many general-purpose applications. Its high strength and corrosion resistance lend type 6061 alloy particularly useful in aviation, Marine, motor vehicles, electronic communications, semiconductors, metal molds, fixtures, mechanical equipment and parts and other fields.

## 2. 7075铝合金介绍 7075 Alloy Introduction

- ▶ 合金 7075 铝板是 7xxx 系列的杰出成员,仍然是现有最高强度合金中的基准。锌是主要合金元素,其强度可与钢相媲美。T651 状态具有良好的疲劳强度、良好的机械加工性、电阻焊接性和耐腐蚀性等。

Alloy 7075 aluminum plates are the outstanding member of the 7xxx series and remains the baseline among the highest strength alloys available. Zinc is the primary alloying element giving it strength comparable to steel. Temper T651 possesses good fatigue strength, fair machinability, resistance welding and corrosion resistance ratings.

- ▶ 7075 铝合金是可用的最强铝合金之一,使其在高应力情况下非常有价值。其高屈服强度 (> 500 MPa) 和低密度使该材料适合飞机零件或遭受严重磨损的零件等应用。虽然它的耐腐蚀性不如其他合金(例如 5083 铝合金,具有极强的耐腐蚀性),但其强度足以证明其缺点。

T651 状态具有良好的机械加工性。7075 合金因其卓越的强度而被飞机和军械工业广泛使用。

7075 aluminum alloy is one of the strongest aluminum alloys available, making it valuable in high-stress situations. Its high yield strength (>500 MPa) and its low density make the material a fit for applications such as aircraft parts or parts subject to heavy wear. While it is less corrosion resistant than other alloys (such as 5083 aluminum alloy, which is exceptionally resistant to corrosion), its strength more than justifies the downsides. T651 tempers has fair machinability. Alloy 7075 is heavily utilized by the aircraft and ordnance industries because of its superior strength.





Aluminium

## 部分产品信息介绍

partial products introduction

### 3. 2024铝合金介绍 2024 Alloy Introduction

- ▶ 2024铝是强度最高的2xxx合金之一，铜和镁是该合金的主要元素。2xxx系列合金的耐腐蚀性不如大多数其他铝合金，在某些条件下可能会发生腐蚀。因此，这些板材合金通常采用高纯合金或6xxx系列镁硅合金包覆，为芯材提供电偶保护，而大大提高耐腐蚀性能。

Aluminum 2024 is one of the highest strength 2xxx alloys, the copper and magnesium are the main elements in this alloy. The corrosion resistance of 2xxx series alloys is not as good as most other aluminum alloys, and corrosion may occur under certain conditions. Therefore, these sheet alloys are usually clad with high-purity alloys or 6xxx series magnesium-silicon alloys to provide galvanic protection for the core material, thereby greatly improving corrosion resistance.

- ▶ 2024铝合金广泛应用于飞机工业，如飞机蒙皮板、汽车面板、防弹装甲以及锻造和机加工零件。AL复合2024铝合金结合了Al2024的高强度和商用纯复合材料的耐腐蚀性。用于卡车车轮、许多结构性飞机应用、机械齿轮、螺杆机械产品、汽车零部件、气缸和活塞、紧固件、机械零件、军械、娱乐设备、螺钉和铆钉等。

2024 aluminium alloy is widely used in the aircraft industry, such as aircraft skin sheet, automotive panels, bulletproof armor, and forged and machined parts. AL clad 2024 aluminum alloy combines the high strength of Al2024 with the corrosion resistance of a commercial pure cladding. Used in truck wheels, many structural aircraft applications, mechanical gears, screw mechanical products, auto parts, cylinders and pistons, fasteners, mechanical parts, ordnance, entertainment equipment, screws and rivets, etc.

### 4. 5083铝合金介绍 5083 Alloy Introduction

- ▶ 5083铝合金以其在最极端环境下的卓越性能而闻名。该合金对海水和工业化学环境具有很高的耐受性。

5083 aluminium alloy is well known for its exceptional performance in the most extreme environments. The alloy displays high resistance to both seawater and industrial chemical environments.

- ▶ 5083铝合金具有良好的综合机械性能，得益于良好的可焊性，并在该工艺后保持其强度。该材料结合了优异的延展性和良好的成型性，在低温使用中表现良好。

With good overall mechanical properties, 5083 aluminium alloy benefits from good weldability and retains its strength after this process. The material combines excellent ductility with good formability and performs well in low-temperature service.



## 铝合金化学成分表

### Aluminum Alloy Chemical Composition Table

	硅Si	铁Fe	铜Cu	锰Mn	镁Mg	铬Cr	锌Zn	其他Others
1050	0.25	0.4	0.05	0.05	0.05	-	0.05	
1070	0.2	0.25	0.04	0.03	0.03	-	0.04	Ni : 1.7-2.3
1100	1.0(Si+Fe)		0.05-0.2	0.05	-	-	0.1	
2011	0.4	0.7	5.0-6.0	-	-	-	0.3	
2014	0.5-1.2	0.7	3.9-5.0	0.4-1.2	0.2-0.8	0.1	0.25	
2017	0.8	0.7	3.5-4.5	0.4-1.0	0.2-0.8	0.1	0.25	Ni : 1.7-2.3
2018	0.9	1	3.5-4.5	0.2	0.45-0.9	0.1	0.25	Ni : 0.7-1.2
2024	0.5	0.5	3.8-4.9	0.3-0.9	1.2-1.8	0.1	0.25	
2025	0.5-1.2	1	3.9-5.0	0.4-1.2	0.05	0.1	0.25	
2117	0.8	0.7	2.2-3.0	0.2	0.2-0.5	0.1	0.25	Ni : 0.5-1.3
2218	0.9	1	3.5-4.5	0.2	1.2-1.8	0.1	0.25	
2618	0.25	0.9-1.3	1.9-2.7	-	1.3-1.7	-	-	
3003	0.6	0.7	0.05-0.2	1.0-1.5	-	-	0.1	
3004	0.3	0.7	0.25	1.0-1.5	0.8-1.3	-	0.25	
4032	11-13.5	1	0.5-1.3	-	0.8-1.3	0.1	0.25	
4043	4.5-6.0	0.8	0.3	0.05	0.05	-	0.1	
4543	7-May	0.5	0.1	0.05	0.1-0.4	0.05	0.1	
5005	0.4	0.4	0.2	0.2	0.5-1.1	0.1	0.25	
5050	0.4	0.7	0.2	0.1	1.1-1.8	-	0.25	
5052	0.45(Si+Fe)		0.1	0.1	2.2-2.8	0.15-0.35	0.1	
5056	0.3	0.4	0.1	0.05-0.2	4.5-5.6	0.05-0.2	0.1	
5083	0.4	0.4	0.1	0.3-1.0	4.0-4.9	0.05-0.25	0.25	
5086	0.4	0.5	0.1	0.2-0.7	3.5-4.5	-	0.25	
5154	0.45(Si+Fe)		0.1	0.1	3.1-3.9	0.15-0.35	0.2	
5205	0.15	0.7	0.03-0.1	0.1	0.6-1	0.1	0.05	Ti0.2
5252	0.06	0.1	0.1	0.1	2.2-2.8	-	-	Ti0.2
5254			0.05	0.1	3.1-3.9	0.15-0.35	0.2	
5356	0.50(Si+Fe)		0.1	0.05-0.2	4.5-5.5	0.05-0.2	0.1	
5357	0.12	0.17	0.2	0.15-0.45	0.8-1.2	-	-	
5454	0.4(Si+Fe)		0.1	0.5-1	2.4-3	0.05-0.2	0.25	
5456	0.4(Si+Fe)		0.1	0.5-1	4.7-5.5	0.05-0.2	0.25	Ni0.2
5457	0.08	0.1	0.2	0.15-0.45	0.8-1.2	-	-	
5652	0.4(Si+Fe)		0.04	0.1	2.2-2.8	0.15-0.35	0.1	
5657	0.08	0.1	0.1	0.03	0.6-1	-	0.03	
6005	0.6-0.9	0.35	0.1	0.1	0.4-0.6	0.1	0.1	
6011	0.6-1.2	1	0.4-0.9	0.8	0.6-1.2	0.3	1.5	Ti0.15
6053	-	0.35	0.1	1.1-1.4	0.15-0.35	-	0.1	
6351	0.7-1.3	0.5	0.1	0.1	0.4-0.8	-	0.2	Ti0.1
6061	0.4-0.8	0.7	0.15-0.4	0.15	0.8-1.2	0.04-0.35	0.25	
6101	0.3-0.7	0.5	0.1	0.03	0.35-0.8	0.03	0.1	
6151	0.6-1.2	1	0.35	0.2	0.45-0.8	0.15-0.35	0.25	
6201	0.5-0.9	0.5	0.1	0.03	0.6-0.9	0.03	0.1	
6261	0.4-0.7	0.4	0.15-0.4	0.2-0.35	0.7-1	0.1	0.2	
6262	0.4-0.8	0.7	0.15-0.4	0.15	0.8-1.2	0.04-0.14	0.25	
6063	0.2-0.6	0.35	0.1	0.1	0.45-0.9	0.1	0.1	
6463	0.2-0.6	0.15	0.2	0.03	0.45-0.9	-	-	
6066	0.9-1.8	0.5	0.7-1.2	0.6-1.1	0.8-1.4	0.4	0.25	
6070	1.0-1.7	0.5	0.15-0.4	0.4-1.0	0.5-1.2	0.1	-	Ti0.2
7001	0.35	0.4	1.6-2.6	0.2	2.6-3.4	0.18-0.35	6.8-8.0	Ti0.1
7005	0.35	0.4	0.1	0.2-0.7	1.0-1.8	0.03-0.2	4.0-5.0	Ti0.2
7072	0.7(Si+Fe)		0.1	0.1	0.1	-	0.8-1.3	
7075	0.4	0.5	1.2-2.0	0.3	2.1-2.9	0.18-0.35	5.1-6.1	
7076	0.4	0.6	0.3-1	0.3-0.8	1.2-2	-	7.0-8.0	
7175	0.15	0.2	1.2-2	0.1	2.1-2.3	0.18-0.3	5.1-6.1	
7178	0.4	0.5	1.6-2.4	0.3	2.4-3.1	0.18-0.35	6.3-7.3	
7079	0.3	0.4	0.4-0.8	0.1-0.3	2.9-3.7	0.1-0.25	3.8-4.8	





## 主要国家铝合金牌号对照表

Comparison table of aluminum alloy grades in major countries

中国	国际	美国	日本	原苏联	德国	英国	法国
(GB)	(ISO)	(AA)	(JIS)	(OCT)	(DIN)	(BS)	(NF)
LG5	-	1199	1N99	AB000	AI99.98R	S1	-
LG2	-	1090	1N99	AB1	AI99.9	-	-
LG1	AI99.8	1080	A1080	AB2	AI99.8	1A	-
L1	AI99.7	1070	A1070	A00	AI99.7	-	1070A
L2	-	1060	A 1060	A0	-	-	-
L3	AI99.5	1050	-	A1	AI99.5	1B	1050A
L5-1	AI99.0	1100	A1100	A2	AI99.0	3L54	1100
L5	-	1200	A1200	-	AI99	1C	1200
LF2	AlMg2.5	5052	A5052	AMr	AlMg2.5	N4	5052
LF3	AlMg3	5154	A5154	AMr3	AlMg3	N5	-
LF4	AlMg4.5Mn0.7	5083	A5083	AMr4	AlMg4.5Mn	N8	5083
LF5-1	AlMg5	5056	A5056	-	AlMg5	N6	-
LF5	AlMg5Mn0.4	5456	-	AMr4	-	N61	-
LF21	AlMn1Cu	3003	A3003	AMu	AlMnCu	N3	3003
LD2	-	6165	A6165	AB	-	-	-
LD7	AlCu2MgNi	2618	2N01	AK4	-	H16	2618A
LD9	-	2018	A2018	AK2	-	-	-
LD10	AlCu4SiMg	2014	A2014	AK8	AlCuSiMg	-	2014
LD11	-	1032	A4032	AK9	-	38S	4032
LD30	AlMg1SiCu	6061	A6061	A□33	AlMg1SiCu	H20	6061
LD31	AlMg0.7Si	6063	A6063	A□31	AlMgSi0.5	H19	-
LY1	AlCu2.5Mg	2217	A2217	A□18	AlCu2.5Mg0.5	3L86	-
LY11	AlCu4MgSi	2017	A2017	A□1	AlCuMg1	H15	2017A
LY12	AlCu4Mg1	2024	A2024	A□16	AlCuMg2	GB-24S	2024
LC3	AlZn7MgCu	7174	-	B94	-	-	-
LC9	AlZn5.5MgCu	7075	A7075	-	AlZnMgCu1.5	L95	7075
LC10	-	7079	7N11	-	AlZnMgCu0.5	-	-
LT1	AlSi5	4043	A4043	AK	AlSi5	N21	-
LT17	AlSi12	4047	A4047	-	AlSi12	N2	-
LB1	-	7072	A7072	-	SiZn1	-	-