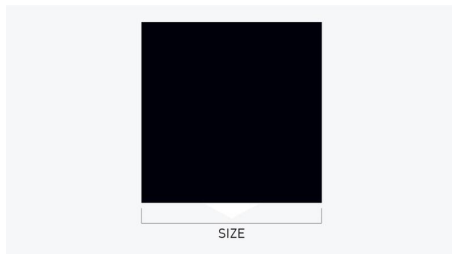


Aluminium Square Bar

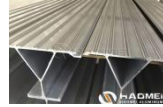
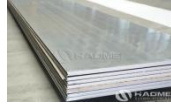
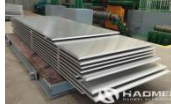
Aluminum square bars are a core component of many structural parts. Their shape is perfect for a wide variety of uses. 6061-T6 Aluminum square bars are also great alternatives to the use of heavier metals like steel since aluminum is incredibly lightweight. Additionally, aluminum is highly corrosion-resistant, and 6061 aluminum is especially versatile and heat-treatable.

Specs of Aluminium Square Bar:



Alloy	6061/6082
Temper	O, T4, T3511, T6, T8511
Side length mm	10 -220mm
Normal length	3000mm, 4000mm, 6000mm
Standard	GBT 26006-2010, EN 755, EN754
aluminum square rod metric size range	Min10x10mm, Max220x220mm
aluminum square rod inch size range	Min0.375"x0.375", Max9"x9"
aluminum square rod length	Max 6m, Fix & Cut Length or Customized
Surface treatment	Anodizing, electrophoretic coating, powder coating, etc.
Production Process	Cold finish, Extruded

Commonly used sizes:8x8mm、10x10mm、12x12mm、14x14mm、15x15mm、16x16mm、18x18mm、20x20mm、22x22mm、25x25mm、28x28mm、30x30mm、32x32mm、35x35mm、40x40mm、



45x45mm、50x50mm.

Aluminum Square Bar Physical Properties:

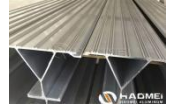
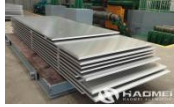
	6061-T6	6061-T651	6061-T6511
Tensile Strength	270-310 MPa	270-320 MPa	270-290 MPa
Shear Strength	210MPa	210 MPa	170MPa
Elastic Modulus	69GPa	69GPa	69GPa
Brinell Hardness	93	93	-
Elongation at Break	10%	11%	9%

Characteristics of Aluminum Square Bar:

- Excellent corrosion resistance
- Heat-treatable
- Excellent welding capabilities
- Good machinability
- Excellent strength-to-weight ratio

Application of Aluminum Square Rod:

- Structural support: aluminum square rods can be used to manufacture structural support materials for the hull, such as masts, beams, support columns, etc. Its high strength and corrosion resistance make it ideal for hull construction.
- Deck and railing: aluminum square bars can be used to manufacture ship decks and railings. Its lightweight nature makes the hull more stable and able to bear the weight of the crew and equipment.
- Handrails and guardrails: aluminum square bars can also be used to make handrails and guardrails on ships. They provide extra security and support, while also resisting saltwater erosion and harsh environmental conditions.
- Ship equipment bracket: aluminum square rod can be used to manufacture various ship equipment brackets, such as steering gear brackets, navigation equipment brackets, etc. Its strength and rigidity ensure secure installation and proper operation of equipment.
- Ship interior decoration: aluminum square rod can also be used for decoration and design of



ship interior. It has beautiful appearance and strong corrosion resistance, and can be used to make handrails, lamp brackets, storage racks, etc.



Handrails and guardrails



Deck and railing



Ship interior decoration

Why Choose Haomei Aluminum?

- Specialization: We excel in providing top-grade marine grade aluminum profiles.
- Diverse Options: Explore a variety of other grades to suit your specific project requirements.
- Value-added Services: Benefit from efficient sourcing, quick turnaround, and services like precision saw cutting for seamless project integration.
- Reliability: As your trusted aluminum profile distributor, we are committed to meeting your needs promptly and efficiently.
- Certified: Haomei Aluminum is an ISO-certified, CCS, DNV, LR, KR, BV, RINA, and ABS certified, family-owned, and operated provider of high-quality specialty metals and alloys.



Check the appearance of the material



Outer diameter and roundness



Mechanical properties



Check the hardness