

# Aluminum I Beam

Aluminum I-beams are extruded aluminum products with inside radius corners that are intended for all structural applications where greater strength is required. In addition, aluminium I beams are widely used for all types of fabrication projects where lightweight and corrosion resistance is a concern.

The 6061 aluminum I-beam is made with silicon and magnesium. This aluminum alloy has the highest corrosion resistance of all the aluminum that are heat treated. It also has a lower strength than them. However, it is still widely used because of its wide ranging mechanical properties that make it readily machinable and weldable. When in the annealed condition, it can also be cold worked, using standard methods to stamp, cut, drill, bend, tap and deep draw. Other methods of forming that can be used include heat treating.

The applications of aluminum I beam can be used for vary widely. These are some of the applications it has been used for: machine parts, structural components, worm gears, electrical fittings, camera lens mounts and heavy duty structures that need high corrosion resistance and a good weight-to-strength ratio.

The 6061 aluminum I-beam can be purchased in sizes between 3 and 12 inches thick and up to 300 inches long.

## Specification of Aluminum I Beam:

Alloy: 6061, 6082

Temper: T5, T6

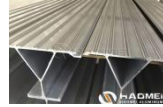
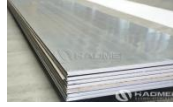
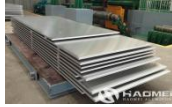
Sizes: between 3 and 12 inches

Lengths: up to 25 feet



### AVAILABLE SIZES

Size	Depth	Width	Thickness	Length	Weight (lbs/ft)
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3" x .150	3"	2.50"	.150"	300.00"	2.030
4" x .170	4"	3"	0.17"	300.00"	2.793
6" x .190	6"	4"	0.19"	300.00"	4.030
6" x .210	6"	4"	0.21"	300.00"	4.692
8" x .230	8"	5"	0.23"	300.00"	6.181
10" x .250	10"	6"	0.25"	300.00"	8.820
12" x .310	12"	7"	0.31"	300.00"	14.288

## Features of Aluminum I Beam:

- Long life service and lightweight
- Higher strength-to-weight ratio than steel
- Excellent corrosion resistance
- Heat-treatable
- Excellent welding capabilities
- Good machinability
- Excellent strength-to-weight ratio

## Applications of Aluminum I Beam Extrusion:

Marine grade aluminum i beam is often used for shipbuilding., mainly used in hull structures and generally consists of bottom plates, bottom plates, side plates, bulge plates, bulwarks, decks, bulkheads, ribs, brackets, stringers, hoardings, ribs, keels, rebar, columns and rods.

## 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 cerificated, family-owned, and operated provider of high-quality specialty metals and alloys.