

6061 ALUMINUM ANGLE

6061 is one the most versatile of the heat-treatable aluminum alloys. It has good formability and weldability, as well as high corrosion resistance. Additionally, 6061 offers a wide range of mechanical properties and can be fabricated by many of the commonly used techniques. 6061 is the most economical of the heat-treatable aluminums.

AED stocks 6061 in sheet, plate, bar, tube, and angle.

Other items, such as treadplate, channel, pipe, etc. are available upon request.

6061 Chemical Analysis

Cu	Si	Fe (max)	Mn (max)	Mg	Zn (max)	Cr	Ti (max)	Others		Al
								Each	Total	
.15/.40	.40/.80	.70	.15	.80/1.2	.25	.04/.35	.15	.05	.015	Remainder

MOTORSPORT PRODUCTS

6061 ANGLE

6061 angle is also known as a structural bar item. It is produced in 25-foot lengths, generally has a radius on the inside corner and tapered ends. The best pricing is always when you order full lengths, which can be cut for economical shipping methods. AED also offers "cut-to-size" pieces.

6061-T6 angles are typically produced to ASTM-B221 B308 & AMS-QQ-A-200/8 or QQ-A-200/16. Other specifications may also apply.

6061-T6 Angle Typical Mechanical Properties:

	6061-T6
Tensile Strength (psi)	45,000
Yield Strength (psi)	40,000
Elongation (% in 2")	
.063" Sheet	12
Min. 90° Cold Bend Radius for .064" thick	1-2T
Brinell Hardness	95
Ultimate Shearing Strength (psi)	30,000
Fatigue, Endurance Limit (psi)	14,000
Modulus of Elasticity (ksi x 1000)	10.0

Note: "Typical Mechanical Properties" have been compiled from a variety of sources. Information is deemed reliable, but it is not guaranteed. This data is provided for information only, **NOT FOR DESIGN PURPOSES.**

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