

6063 ALUMINUM ANGLE

6063 is an architectural aluminum alloy, developed primarily for extrusions (especially tubes, angles, etc.). Material features include relatively high tensile properties, excellent finishing characteristics, and high corrosion resistance in industrial and marine environments. 6063 is similar to 6061, with slightly lesser strength.

AED stocks 6063 angles in several dimensions, as well as in square and rectangle tubes. Other items, such as tee's, channels and other extrusions, etc. may be available upon request.

6063 Chemical Analysis

Cu (max)	Si	Fe (max)	Mn (max)	Mg	Zn (max)	Cr (max)	Ti (max)	Others		Al
								Each	Total	
.10	.20/.60	.35	.10	.45/.90	.10	.10	.10	.05	.015	Remainder

MOTORSPORT PRODUCTS

6063-T5 ANGLE

Most 6063 angles are generally stocked in 16-foot lengths, with sharp corners in the outside and inside. At various times, lengths could be 20-foot and 24' 6", but these are much rarer. 6063 is sometime referred to as 6063-T5 or 6063-T52. 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.

6063 extruded angles are typically produced to ASTM-B221 and QQ-A-200/9. Other specifications may also apply.

6063-T5 Angle Typical Mechanical Properties:

	6063-T5
Tensile Strength (psi)	27,000
Yield Strength (psi)	21,000
Elongation (% in 2") .064" Sheet	12
Brinell Hardness	60

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.**