

6061-T6 Aluminum Round Tube

a.e.d.
METAL PRODUCTS & SUPPLIES



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.

6061 round tubes can be supplied as:
Drawn or Extruded

6061-T6 Drawn Tube

Produced to the aerospace specification AMS WW-T-700/6, Drawn tubes are more suitable for bending applications. Produced in 12-foot lengths.

6061-T6511 Extruded Tube

Typically produced to ASTM-B221 and QQ-A-200/8 specifications. Extruded tubes generally do not perform well in most bending applications. Typically produced in 24-foot lengths.

Typical Mechanical Properties

Tensile Strength min.	Yield Strength min.	Elongation min. % in 2"
45,000 psi	40,000 psi	12%

Chemical Analysis – Percent by Weight

Cu	Si	Fe (max)	Mn (max)	Mg	Zn (max)
.15/.40	.40/.80	.70	.15	.80/1.20	.25

Cr	Ti (max)	Other		Al
		Each	Total	
.04/.35	.15	.05	.15	Remainder

The best pricing is always when you order full lengths, which can be cut for economical shipping methods. A.E.D. also offers “cut-to-size” pieces.



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