

Material: ASTM B 491 6063

Standard Specification For Aluminium Alloy Extruded Round Tube

Group: Non-Ferrous Aluminium Alloys

Sub Group: ASTM B 491 6063 Aluminium Alloy Extruded Round Tube

Application: Intended for Valve, Pump, General Engineering, Automotive and Other Industries

Grade Belongs to the Industry: Tube

Chemical Composition			Heat Treatment	
Silicon	Si %	0.200 - 0.600	As Raw or Temper or Solution Treated or Aging	
Chromium	Cr %	0.100 max.		
Manganese	Mn %	0.100 max.		
Magnesium	Mg %	0.450 - 0.900		
Copper	Cu %	0.100 max.		
Iron	Fe %	0.350 max.		
Zinc	Zn %	0.100 max.		
Titanium	Ti %	0.100 max.		
Other	Ot %	1.000 max.		
Aluminium	Al %	Balance	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	115 min.
-	-	-	Yield Strength in Mpa	60 min.
-	-	-	Elongation in %	12 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
6063	SAE	USA	Bar, Rod, Shapes, Tube and Wire, Extrusion
6063	AS	Australia	Wire, Rod, Bar and Strip
A96063	UNS	USA	Bar, Rod, Shapes, Tube and Wire, Extrusion
EN AW-6063	DIN	Germany	Rod, Bar and Tube
6063	ISO	International	Rod, Bar and Tube
SB-241 6063	ASME	USA	Pipe and Tube
B 275 GS10A	ASTM	USA	Bar, Rod, Shapes, Tube and Wire, Extrusion

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