

Aluminum Mill Product Specifications

ASTM B221 - This specification covers aluminum and aluminum-alloy extruded bar, rod, wire, profile, and tube in common aluminum alloys

ASTM B429 –This specification covers 6061 or 6063 aluminum alloy extruded pipes and tubes intended for use in structural applications. The structural pipes and tubes that may be produced through a bridge/porthole type die or other approved methods are not for use in fluid-carrying applications involving pressure.

ASTM B483 - This specification covers aluminum and aluminum-alloy drawn tube and drawn pipe in straight lengths and tube in coils for general purpose applications and climate control (HVAC) in common aluminum alloys - these are manufactured using the porthole extrusion process

ASTM B210 - This specification covers aluminum and aluminum-alloy drawn seamless tubes in straight lengths and coils for general purpose. The tube shall be produced by drawing an extruded tube made from hollow extrusion ingot (cast in hollow form or pierced) and extruded by the use of the die and mandrel method.

ASTM B241 - This specification covers aluminum and aluminum-alloy seamless pipe and seamless extruded tube. The pipe and tube shall be produced from hollow extrusion ingot (cast in hollow form, or drilled, or pierced from solid ingot) and shall be extruded by use of the die and mandrel method

AMS WW-T-700-6F - This specification covers the specific requirements for seamless tube drawn from aluminum alloy 6061. In conjunction with AMS WW-T-700-G it allows an order note to change the order of processing steps to allow us to sell seamless 6061-T6 to this specification

AMS WW-T-700 - This specification covers the general requirements for aluminum and aluminum alloy tube; drawn, seamless

ASTM B234 - This specification covers aluminum-alloy (Note 1) drawn seamless round tube in straight lengths designated as shown in Table 2, for use in surface condensers, evaporators, and heat exchangers.

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ALLOY	PRODUCT	SPECIFICATIONS					
		ASTM	MILITARY	FEDERAL	AMS	ASME	AWS
6063	Tube; extruded, seamless	B241/B241M				SB-241/SB-241M	
	Tube; extruded, coiled	B491/B491M					
	Tube; drawn	B483/B483M					
	Pipe	B241/B241M	MIL-DTL-25995			SB241/SB-241M	
6082	Wire, rod, bar, profiles and tube; extruded	B221				SB-221	
6105	Wire, rod, bar, profiles and tube; extruded	B221					
6463	Wire, rod, bar, profiles and tube; extruded	B221					
6005	Wire, rod, bar, profiles and tube; extruded	B221					
6005A	Wire, rod, bar, profiles and tube; extruded	B221				SB-221	
6061	Wire, rod and bar; rolled or cold finished	B211			4115, 4116, 4117, 4128, AMS-QQ-A-225/8	SB-211	
	Wire, rod, bar, profiles and tube; extruded	B221			4150, 4160, 4161, AMS-QQ-A-200/8	SB-221	
	Structural profiles	B308/B308M			4113, AMS-QQ-A-200/16	SB-308/SB-308M	
	Tube; drawn	B483/B483M					
	Tube; extruded, seamless	B241/B241M					SB-241/SB-241M
	Tube; drawn, seamless	B210		WW-T-700/6	4079, 4080, 4082	SB-210	
	Tube; hydraulic	-			4081, 4083		
	Tube; condenser	B234				SB-234	
	Tube; condenser with integral fins	B404/B404M					
	Tube; welded	B313/B313M B547/B547M					
	Structural pipe and tube; extruded	B429					
	5052	Tube; drawn	B483/B483M				
Tube; drawn, seamless		B210		WW-T-700/4	4069, 4070	SB-210	
Tube; extruded		B221					
Tube; extruded, seamless		B241/B241M				SB-241/SB-241M	
Tube; welded		B313/B313M B547/B547M					

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		ASTM	MILITARY	FEDERAL	AMS	ASME	AWS
1060	Wire, rod, bar, rolled or cold finished	B211					
	Wire, rod, bar, profiles and tube; extruded	B221				SB-221	
	Tube; extruded, seamless	B241/B241M B345/B345M				SB-241/SB-241M	
	Tube; drawn	B483/B483M					
	Tube; drawn, seamless	B210				SB-210	
	Tube; condenser	B234				SB-234	
1100	Wire, rod, bar; rolled or cold finished	B211					
	Wire, rod, bar, profiles and tube; extruded	B221				SB-221	
	Tube; extruded, seamless	B241/B241M				SB-241/SB-241M	
	Tube; extruded, coiled	B491/B491M					
	Tube; drawn	B483/B483M					
	Tube; drawn, seamless	B210		WW-T-700/1	4062		
	Tube; welded	B313/B313M B547/B547M					