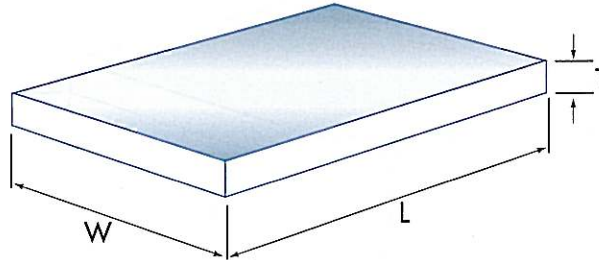


ALCA PLUS Precision Machined Cast Aluminium Plate



Mechanical Properties

	Tensile Strength (psi)*	Yield Strength (psi)*	(%) Elongation in 2" *		Brinell Hardness (BHN)*	Specific Gravity	Density (lb./cu.in.)
			1/4" to 1" thickness (inclusive)	1.1/4" to 4" thickness (inclusive)			
Typical Design	26,000 (19,000 min.)	15,000 (11,000 min.)	7 (3 min.)	5 (1.5 min.)	65	2.80	0.101

Coefficient of Thermal Expansion (avg. per °F)		Thermal Conductivity (cgs units)	Electrical Conductivity (68°F), (% IACS)	Modulus of Elasticity (psi)	Edge Condition
68°F-212°F	68°F-392°F				
13.1x10 ⁻⁶	13.6x10 ⁻⁶	0.33	35	10.3x10 ⁶	Sawed

* Mechanical properties obtained using test bars cut from plate; not separately cast test bars.

Thickness (T)	Width (W)	Length (L)
1/4 "	4 ft	8 ft
5/16 "	4 ft	8 ft
3/8 "	4 ft	8 ft
1/2 "	4 ft	8 ft
5/8 "	4 ft	8 ft
3/4 "	4 ft	8 ft
7/8 "	4 ft	8 ft

Thickness (T)	Width (W)	Length (L)
1 "	4 ft	8 ft
1.1/4 "	4 ft	8 ft
1.1/2 "	4 ft	8 ft
1.3/4 "	4 ft	8 ft
2 "	4 ft	8 ft
2.1/4 "	4 ft	8 ft
2.1/2 "	4 ft	8 ft
3 "	4 ft	8 ft
3.1/2 "	4 ft	8 ft
4 "	4 ft	8 ft