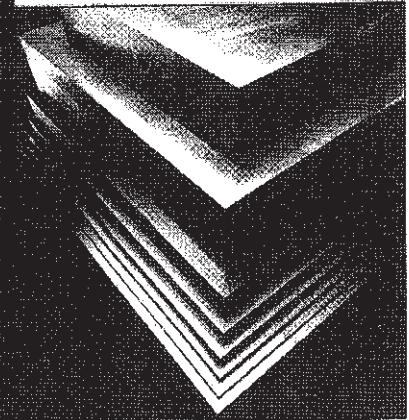


ALPASE K100

CAST ALUMINUM PLATE
Industry Standards Combined With
Exclusive Custom Sizes



Alpase produces the thickest, widest and longest precision cast aluminum plate, unmatched by world manufacturers.

K100 PRODUCT FEATURES AND BENEFITS

- Dimensional Stability
 - Available in Standard Sizes
(e.g. 48.5" x 120.5" - 60.5" x 144.5" etc.)
 - Available in Custom Sizes
(e.g. 40" x 100" - 53" x 99" etc.)
 - No Minimum Order Quantity
 - Excellent Machinability
 - Anodizable*
 - Fully Weldable*
 - Equiaxial Grain Structure
 - Stress Relieved
 - Diameters Up to 120.5"
- *Contact Alpase for helpful information*

TYPICAL K100 APPLICATIONS

Inspection Gauges - Machinery Components - Assembly Fixtures - Machining Equipment Tables - Packaging Equipment - Medical Equipment Components - Robotics Equipment - Printing Equipment - Aircraft Assembly Fixtures - Base Plates - Large Index Tables up to 120" diameter - Templates - Conveyor Tables - Machining Fixtures - Computer Chassis Components - Vacuum Form Tools

K100 STANDARD SIZES	TOLERANCES	K100 CUSTOM SIZES	TOLERANCES
Thickness .250" to 8" (including mm sizes)	+ .005" - .005"	Thickness .250" to 14" (including mm sizes)	See tolerance statement
Width 36.5" - 48.5" - 60.5" - 72.5"	+ .250" - .000"	Width 12" up to 120.5"	See tolerance statement
Length 96.5" - 120.5" - 144.5"	+ .250" - .000"	Length Up to 325"	See tolerance statement
Flatness .250" - .500" Thick	within .015"	Surface Finish - K100 Custom sizes are machined to a 18-25 RMS finish on both sides.	
.625" - 8.00" Thick	within .010"		

Surface Finish - K100 standard sizes are machined to a 18-25 RMS finish on both sides.

Custom Size Tolerance Statement: Tolerances on custom sizes are based upon the size required and will be specified at time of quote or order.

K100 TYPICAL PROPERTIES

Typical Tensile Strength	24,000 psi	Specific Gravity	2.80
Typical Yield	12,000 psi	Coefficient of Expansion	13.1×10^{-6} (68 - 212°F)
Typical Elongation	2% to 3%	Electrical Conductivity	39% (I.A.C.S.)
Brinell Hardness	55 to 65	Thermal Conductivity	1020 English Units (77°F)
Density	0.101 lb/in ³	Modulus of Elasticity	$10.4 \text{ KSI} \times 10^3$

AUTHORIZED ALPASE DISTRIBUTOR

New Technologies
In Aluminum



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