

# Acrylic Plates - Economy, Curved Panels

## Extruded Plates

MISUMI Acrylic Plates have two types: cast plates and extruded plates.  
 Features - Extruded Plates: More inexpensive than cast plates. Cast Plates: Excels in heat resistance and mechanical strength. For details of cast plates and extruded plates, see P963 P949.

Type	Grade	Color	Light Transmittance	Operating Ambient Temperature
ACAE	Standard	Transparent	93%	-30~70°C
ACBAE	Standard	Smoke Brown	34%	-30~70°C
ACTAE	Antistatic	Transparent	87%	-30~60°C
ACBTAE	Antistatic	Smoke Brown	25%	-30~60°C

**Accuracy Standards**  
 - T Dimension Tolerance: ±0.5  
 - Dimension Tolerance of A and B: ±1.0

**Keyhole Details**

Keyhole Nominal Dia.	5	6	8
d1	6	7	9
d2	14	16	20
h	11	12	15

**Hole Machining Details**

Screw Nominal Dia.	3	4	5	6	8
d	3.5	4.5	5.5	6.5	9
d1	7.5	9.5	11.5	13.5	19
h	2	2.5	3	3.5	5

Standard Type				Pre-drilled Type			
Part Number	1mm Increment	Selection		Part Number	1mm Increment	Selection	
Type	A	B	T	Type	A	B	T
ACAE	300~1100	300~900	3	ACAE	300~1100	300~900	3
ACBAE			5				
ACTAE			8	ACTAE			8
ACBTAE			3	ACBTAE			3
			5				5

- For plate thicknesses other than above, see P963-966.
- Dimension F Specification Range: For 2H and 4H,  $d(d1)+5 \leq F \leq A-d(d1)-5$ ; for 6H and 8H,  $d(d1)+5 \leq F \leq A/2-d(d1)/2-2.5$ .
- Dimension G Specification Range: For 2H,  $d(d1)/2+2.5 \leq G \leq B-d(d1)/2-2.5$ ; for 4H and 6H,  $d(d1)+5 \leq G \leq B-d(d1)-5$ ; for 8H,  $d(d1)+5 \leq G \leq B/2-d(d1)/2-2.5$ . (d for through hole, d1 for countersink.)

**Standard Type**  
 Part Number - A - B - T  
 ACAE - 955 - 825 - 3

**Pre-drilled Type**  
 Part Number - A - B - T - F - G - Screw Nominal Dia.  
 ACAE6H - 800 - 400 - 3 - F250 - G355 - N3

Part Number - A - B - T - F - G - Screw Nominal Dia. - (XC, YC, CN ... etc.)  
 ACAE4H - 500 - 400 - 3 - F300 - G300 - N6 - XC15, YC35

Alterations	Notching for Blind Joints of Aluminum Extrusions	Relief at Four Corners	Corner Radius	Corner Cut	Hole Position from Left	Hole Position from Bottom
Code	F00, E00, J00, K00	CN	CRA, CRB, CRC, CRD	CCA, CCB, CCC, CCD	XC	YC
Spec.	Machines relief for blind joints of aluminum extrusions. Margin against thermal expansion of the plate is not taken into account. Longitudinal direction of notching is all on A dimension side. Ordering Code: F S 6 Extrusion Type: CN=25 ... CN25 Notching Position: (See the diagram above) Available for Standard Type only.	CN=1mm Increment Machines relief at four corners. 5 ≤ CN ≤ 50 Ordering Code: CN=25 ... CN25 Available for Standard Type only.	Adds radius to any corner. R = 5mm Increment (10=A(B)-R(2R)) 5 ≤ CRA, CRB, CRC, CRD ≤ 100 Ordering Code: (Ex.) Adds R10 at the corner of A and C. CRA10-CRC10 Available for Standard Type only.	Cuts any corners. 5 ≤ Corner Cut ≤ 50 5mm Increment Ordering Code: (Ex.) When the corners of A and D are cut by C5 → CCA5-CCD5 Available for Standard Type only.	XC = 1mm Increment 5 ≤ XC ≤ 1086 (2H, 4H Type) $d(d1)/2+2.5 \leq XC \leq A-F-d(d1)/2-2.5$ (6H, 8H Type) $d(d1)/2+2.5 \leq XC \leq A/2-F-d(d1)/2-2.5$	YC = 1mm Increment 5 ≤ YC ≤ 886 (4H, 6H Type) $d(d1)/2+2.5 \leq YC \leq B-G-d(d1)/2-2.5$ (8H Type) $d(d1)/2+2.5 \leq YC \leq B/2-G-d(d1)/2-2.5$ Not available for 2H.

For Notching for Blind Joints of Aluminum Extrusion, see P950.

Standard							Antistatic										
Part Number	T	A	Unit Price					Part Number	T	A	Unit Price						
			B300	B401	B501	B601	B701				B801	B300	B401	B501	B601	B701	B801
ACAE (Transparent)	3	300-400	400	500	600	700	800	900	ACTAE (Transparent)	3	300-400	400	500	600	700	800	900
		401-500	-	-	-	-	-	-			401-500	-	-	-	-	-	-
		501-600	-	-	-	-	-	-			501-600	-	-	-	-	-	-
		601-700	-	-	-	-	-	-			601-700	-	-	-	-	-	-
		701-800	-	-	-	-	-	-			701-800	-	-	-	-	-	-
		801-900	-	-	-	-	-	-			801-900	-	-	-	-	-	-
	5	300-400	-	-	-	-	-	-	5	300-400	-	-	-	-	-	-	-
		401-500	-	-	-	-	-	-		401-500	-	-	-	-	-	-	
		501-600	-	-	-	-	-	-		501-600	-	-	-	-	-	-	
		601-700	-	-	-	-	-	-		601-700	-	-	-	-	-	-	
		701-800	-	-	-	-	-	-		701-800	-	-	-	-	-	-	
		801-900	-	-	-	-	-	-		801-900	-	-	-	-	-	-	
ACBAE (Brown Smoke)	3	300-400	-	-	-	-	-	3	300-400	-	-	-	-	-	-	-	
		401-500	-	-	-	-	-		401-500	-	-	-	-	-	-		
		501-600	-	-	-	-	-		501-600	-	-	-	-	-	-		
		601-700	-	-	-	-	-		601-700	-	-	-	-	-	-		
		701-800	-	-	-	-	-		701-800	-	-	-	-	-	-		
		801-900	-	-	-	-	-		801-900	-	-	-	-	-	-		
	5	300-400	-	-	-	-	-	-	5	300-400	-	-	-	-	-	-	-
		401-500	-	-	-	-	-	-		401-500	-	-	-	-	-	-	
		501-600	-	-	-	-	-	-		501-600	-	-	-	-	-	-	
		601-700	-	-	-	-	-	-		601-700	-	-	-	-	-	-	
		701-800	-	-	-	-	-	-		701-800	-	-	-	-	-	-	
		801-900	-	-	-	-	-	-		801-900	-	-	-	-	-	-	

**Hole Machining Charge**

Pre-drilled Type	Screw Nominal		
	N (Through)	P (Countersink)	Q (Keyhole)
2H			
4H			
6H			
8H			

Pre-drilled Type Price = Standard Type Unit Price + Hole Machining Charge  
 (Ex.) Part Number - A - B - T - F - G - Screw Nominal Dia.  
 ACTAE4H - 500 - 400 - 5 - F240 - G160 - N8  
 (Standard Type Unit Price) + (Hole Machining Charge) = Pre-Drilled Type Price

**Curved Panels** RoHS10

ACALMG (Acrylic, Transparent)  
 ACBLMG (Acrylic, Smoke Brown)

Properties P949  
 Operating Ambient Temperature: -30 ~ 80°C

Part Number	T	A	B	L	R*	S
Type		1mm Increment	1mm Increment	1mm Increment		
ACALMG	5	200~700	200~700	200~1000	140	137.5
ACBLMG						

\* Curved panels for R300 and R500 are not available.

Ordering Example  
 Part Number - A - B - L - R  
 ACALMG5 - A435 - B685 - L770 - R140

Part Number	Type	T	A	B	Unit Price					
					L	200-500	501-600	601-700	701-800	801-900
ACALMG	5		200~500	501~600	200~500	501~600	601~700	701~800	801~900	901~1000
					601~700	400~500	601~700	400~500	601~700	400~500
					601~700	601~700	601~700	601~700	601~700	601~700
					601~700	601~700	601~700	601~700	601~700	601~700
					601~700	601~700	601~700	601~700	601~700	601~700

**ex**

The panel is fixed by mounting panel clamps (P789) into the grooves.  
 Be sure not to insert the panel clamp to the spot where the frame is bent.