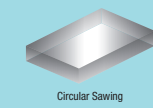


Acrylic Plates

Cast Plates



MISUMI Acrylic Plates have two types: cast plates and extruded plates. 4-side(4F) Milling is now available for cast plates.
 Features of Cast Plates: Excels in heat resistance and mechanical strength. Extruded Plates: More inexpensive than cast plates. For details of extruded plates, see P967. For details of cast plates and extruded plates, see P949.

Standard Type

RoHS10

AzB

T Dimension Tolerance	
T	T Dimension Tolerance
3	±0.5
4, 5	±0.6
6	±0.8
8	±0.9
10	±1.1
15	±1.5
20	±2.0
25	±2.5

Dimension Tolerance of A and B ±1.0

Type	M Grade	Color	Light Transmittance	Operating Ambient Temperature
ACA	Standard	Transparent	93%	-30~80°C
ACBA	Standard	Smoke Brown	25%	
ACDA	Standard	Orange	43%	
ACTA	Antistatic	Transparent	79%	
ACBTA	Antistatic	Smoke Brown	32%	

Finish	4 Sides		Upper-lower Surface	
	Drilling Method	Finish Symbol	Drilling Method	Finish Symbol
Circular Sawing	Circular Sawing	✓	Material	~
	4-side Milling (4F)	Milling	✓	Material

Standard Type

Part Number	A	B	T
Material			
Standard Size			
ACA (Standard, Transparent)	20~1200	20~1000	3, 4, 5, 6, 8, 10
ACBA (Standard, Smoke Brown)	20~800	20~600	15, 20, 25
ACDA (Standard, Orange)	20~1200	20~1000	3, 5
ACTA (Antistatic, Transparent)			3, 5
ACBTA (Antistatic, Smoke Brown)			
Large Size			
L-ACA (Standard, Transparent)	1201~2000	20~1000	3, 5
L-ACBA (Standard, Smoke Brown)			3, 5
L-ACDA (Antistatic, Transparent)			
L-ACBTA (Antistatic, Smoke Brown)			
4-side Milling	4-side Milling	0.1mm Increment	Selectable
ACA (Standard, Transparent)	4F	Q (0~+0.2) N (±0.1) M (-0.2~0)	5, 6, 8, 10, 15, 20, 25
ACBA (Standard, Smoke Brown)			5, 6, 8, 10
ACDA (Standard, Orange)			5
ACTA (Antistatic, Transparent)			
ACBTA (Antistatic, Smoke Brown)			

The above data are for reference, not guaranteed.

Ordering Example

Standard Size
 Part Number - A - B - T
 ACTA - 955 - 825 - 3

Large Size
 Part Number - A - B - T
 L-ACA - 1500 - 800 - 5

4-side Milling
 Part Number - A - B - T
 ACA4FQ - 300 - 200 - 15

Alterations

Part Number - A - B - T - (CRA... etc)
 ACA - 100 - 80 - 3 - CRA10-CRC10

Alterations	Notching for Blind Joints of Aluminum Extrusions	Relief at Four Corners	Corner Radius	Corner Cut
Code	F, E, J, K	CN	CRA, CRB, CRC, CRD	CCA, CCB, CCC, CCD
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. Applicable to standard sizes only. Not applicable to T=8. Ordering Code: F S S 6 Extrusion Type Joint Type Notching Position (See the diagram above.) Applicable to standard sizes only.	CN=1mm Increment Machines relief at four corners. 5≤CN≤50 Applicable to standard sizes only. Ordering Code: CN=25 ... CN25 Applicable to standard sizes 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 Applicable to standard sizes only.	Cuts any corners. 5≤Corner Cut≤50 5mm Increment Ordering Code: Applicable to standard sizes only. (Ex.) When the corners of A and D are cut by C5→ CCA5-CCD5

For details of notching alterations for blind joint of aluminum frames, refer to P950.
 Alterations are not available for Side Milling Plates.

Pre-drilled Type

RoHS10

Type	M Grade	Color	Light Transmittance	Operating Ambient Temperature
ACA	Standard	Transparent	93%	-30~80°C
ACBA	Standard	Smoke Brown	25%	
ACDA	Standard	Orange	43%	
ACTA	Antistatic	Transparent	79%	
ACBTA	Antistatic	Smoke Brown	32%	

T Dimension Tolerance	
T	T Dimension Tolerance
3	±0.5
4, 5	±0.6
6	±0.8
8	±0.9
10	±1.1
15	±1.5
20	±2.0
25	±2.5

Dimension Tolerance of A and B ±1.0

Finish	4 Sides	Upper-lower Surface		
Circular Sawing	Drilling Method	Finish Symbol	Drilling Method	Finish Symbol
	4-side Milling (4F)	Circular Sawing	✓	Material
Milling		✓	Material	~

Hole Machining Details

N (Through Hole)	P (Countersink)	M (Threaded Insert)	Hole Machining Conditions (N, P, M)	Q (Keyhole)	Hole Machining Conditions (Q)
			Ordering Code (Ex.) M4-L6 LsT-1 For details of threaded insert HLTS, see P271		Keyhole Reference Position Keyhole Machining Conditions 2H, 4H, 6H, 8H a≥5 b≥5 c≥5 2HL

Keyhole Position:
 ①: For 2H, the center of diameter d1 is consistent with G.
 ②: For 4H and 6H, the center of G dimension is consistent with the center of B dimension.
 ③: For 8H, the diameter d1: center of the middle Keyhole is consistent with the center of B dimension.
 ④: For 2HL, keyholes turn sideways and the center of diameter d1 is consistent with F.

Pre-drilled Type

Material Code	Number of Holes	A	B	T Selection		F	G	Screw Nominal Dia. Selection									
				ACA	ACBA			ACDA	ACTA	ACBTA	Through Hole	Countersink	Keyhole	Threaded Insert			
ACA (Standard, Transparent)	2H (Horizontal) 2HL (Vertical) 4H 6H 8H	20~1200	20~1000	3	3	3	6~1191.5 (2H, 4H) 4.5~1195.5 (2HL, 4H, 6H) 6~595.5 (6H, 8H)	4.5~995.5 (2H) 6~991.5 (2HL, 4H, 6H) 6~495.5 (8H)	3	3	5	6	8	-	-		
				4	4	3											
				5	5	3			4								
				6	6	4			5								
				8	8	4			5	6							
				10	10	4			5	6						8	
ACA (Standard, Transparent)	-	20~800	20~600	15	-	-	6~791.5 (2H, 4H) 4.5~795.5 (2HL) 6~395.5 (6H, 8H)	4.5~595.5 (2H) 6~591.5 (2HL, 4H, 6H) 6~295.5 (8H)	10	5	6	8	10	5	6	8	10
				20	-	-	5	6	8	10							
				25	-	-	5	6	8	10							
				-	-	-	5	6	8	10							

Dimension F Specification Range for 2H and 4H: $d(d1)+2.5 \leq F \leq A-d(d1)-5$; for 2HL: $d(d1)/2+2.5 \leq F \leq A-d(d1)/2-2.5$;
 for 6H and 8H: $d(d1)+2.5 \leq F \leq (A-d(d1)-5)/2$.
 Dimension G Specification Range for 2H: $d(d1)/2+2.5 \leq G \leq B-d(d1)/2-2.5$; for 2HL, 4H and 6H: $d(d1)+2.5 \leq G \leq B-d(d1)-5$;
 for 8H: $d(d1)+2.5 \leq G \leq (B-d(d1)-5)/2$. (d for through hole, d1 for countersink.)

Ordering Example

Part Number - A - B - T - F - G - Screw Nominal Dia. - L
 ACA6H - 800 - 400 - 3 - F250 - G355 - N3
 ACA6H - 800 - 400 - 8 - F250 - G300 - M4 - L6

Alterations

Part Number - A - B - T - F - G - Screw Nominal Dia. - (XC, YC)
 ACA4H - 200 - 100 - 4 - F160 - G50 - N6 - XC15-YC35

Alterations	Hole Position from Left	Hole Position from Bottom
Code	XC	YC
Spec.	XC = 0.5mm Increment (2H, 4H Type) $d(d1)/2+2.5 \leq XC \leq A-F-d(d1)/2-2.5$ (6H, 8H Type) $d(d1)/2+2.5 \leq XC \leq A-2F-d(d1)/2-2.5$	YC = 0.5mm Increment $d(d1)+2.5 \leq YC \leq B-G-d(d1)/2-2.5$ Not available for 2H.

The above data are for reference, not guaranteed.