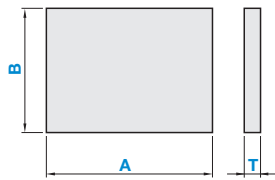
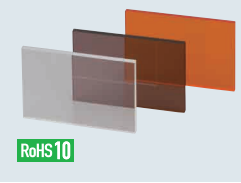


Acrylic Cast Plates

Standard Type

MISUMI Acrylic Plates have two types: cast plates and extrusion plates. Sides Milled is now available for cast plates. Features Cast Plates: Excels in heat resistance and mechanical strength. Extruded Plates on P.3080: More inexpensive than cast plates. For details of cast plates and extruded plates, refer to P.3072

Acrylic Plates – Standard Type



T Dimension Tolerance

T	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 & B: ±1.0

Finish	4 Sides		Top / Bottom	
	Drilling Method	Finish Symbol	Drilling Method	Finish Symbol
Saw Cut	Saw Cut	✓	Material	—
Sides Milled (4F)	Milling	✓	Material	—

Type	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%	

Standard Type

Part Number		A	B	T	
Material Selection	Finish Selection	A, B Dim Tolerance			
Standard Size		1 mm Increment		Selection	
ACA Standard Transparent	Saw Cut	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 4 5 6 8 10	
ACTA Antistatic Transparent				5	
ACBTA Antistatic Smoke Brown					
Large Size		1201-2000	20-1000	3 5	
L-ACA Standard Transparent	4F	Q (0→+0.2) N (±0.1) M (-0.2→0)	10-400	10-200	5 6 8 10 15 20 25
L-ACBA Standard Smoke Brown					5 6 8 10
L-ACTA Antistatic Transparent					
L-ACBTA Antistatic Smoke Brown					5
4-Side Milling		0.1 mm Increment			
ACA Standard Transparent	4F	Q (0→+0.2) N (±0.1) M (-0.2→0)	10-400	10-200	5 6 8 10 15 20 25
ACBA Standard Smoke Brown					5 6 8 10
ACDA Standard Orange					
ACTA Antistatic Transparent					
ACBTA Antistatic Smoke Brown					

For T0.5-2.0, refer to P.3084

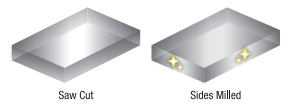
Part Number Alterations
 Part Number - A - B - T - (CRA...etc.)
 ACA - 100 - 80 - 3 - CRA10-CRC10

Alterations	Notching for Blind Joints of Aluminum Frame	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 frame extrusions. Thermal expansion of the plate is not taken into account. Longitudinal direction of notching is all on A dimension side. Applicable to only T=3,5. Ordering Code: F S 6 Frame Type Joint Type Notching Position (See the diagram above.) Not available for Pre-Drilled Type.	CN = 1 mm Increment Machines relief at four corners. 5≤CN≤50 Ordering Code: CN=25→CN25 Not available for Pre-Drilled Type.	Adds radius to any corner. R=5 mm 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 Not available for Pre-Drilled Type.	Cuts any corners. 5≤Corner Cut≤50 5 mm Increment Ordering Code: (Ex.) When the corners of A and D are cut by C5→CCA5-CCD5 Not available for Pre-Drilled Type.

For details of notching alterations for blind joint of aluminum frame extrusions, refer to P.3073
 Alterations are not available for Sides Milling Plates.

Acrylic Cast Plates

Pre-Drilled Type



Acrylic Plates – Pre-Drilled Type



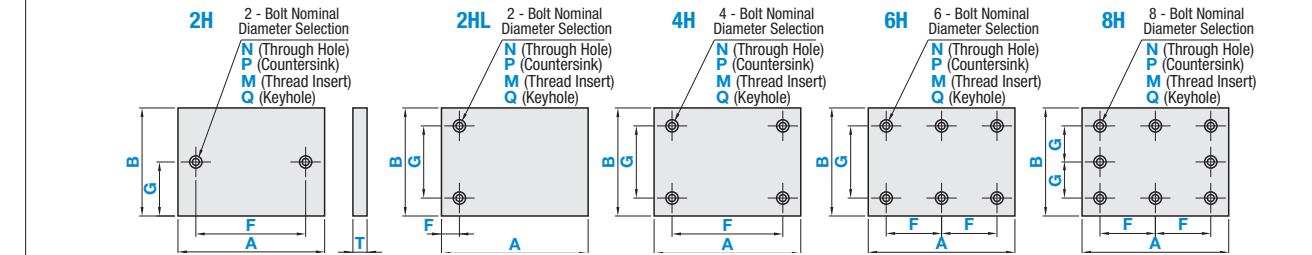
Type	Grade	Color	Light transmittance	Operating Ambient Temperature
ACA	Standard	Transparent	93%	-30~80°C
ACBA	Standard	Smoke Brown	25%	
ACDA	Standard	Orange	43%	
ACTA	Antistatic	Transparent	79%	
ACBTA	Antistatic	Smoke Brown	32%	

AzB- T Dimension Tolerance

T	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

Finish	4 Sides		Top / Bottom	
	Drilling Method	Finish Symbol	Drilling Method	Finish Symbol
Saw Cut	Saw Cut	✓	Material	—

Dimension Tolerance of A & B: ±1.0



Drilling Details																																																																												
N (Through hole)	P (Countersink)	M (Thread Insert)	Drilling Conditions (N-P-M)	Q (Keyhole)																																																																								
Bolt Nominal Dia. Selection		Table 1		Keyhole Position																																																																								
<table border="1"> <thead> <tr><th>Bolt Nom. Dia.</th><th>3</th><th>4</th><th>5</th><th>6</th><th>8</th><th>10</th></tr> </thead> <tbody> <tr><td>d</td><td>3.5</td><td>4.5</td><td>5.5</td><td>6.5</td><td>9</td><td>11</td></tr> <tr><td>d1</td><td>7.5</td><td>9.5</td><td>11.5</td><td>13.5</td><td>19</td><td>23</td></tr> <tr><td>h</td><td>2</td><td>2.5</td><td>3</td><td>3.5</td><td>5</td><td>6</td></tr> </tbody> </table>		Bolt Nom. Dia.	3	4	5	6	8	10	d	3.5	4.5	5.5	6.5	9	11	d1	7.5	9.5	11.5	13.5	19	23	h	2	2.5	3	3.5	5	6	<table border="1"> <thead> <tr><th>Bolt Nom. Dia.</th><th>3</th><th>4</th><th>5</th><th>6</th><th>8</th><th>10</th></tr> </thead> <tbody> <tr><td>d</td><td>3.5</td><td>4.5</td><td>5.5</td><td>6.5</td><td>9</td><td>11</td></tr> <tr><td>L</td><td>4.5</td><td>6</td><td>7.5</td><td>9</td><td>12</td><td>15</td></tr> <tr><td></td><td>6</td><td>8</td><td>10</td><td>12</td><td>16</td><td>20</td></tr> </tbody> </table>		Bolt Nom. Dia.	3	4	5	6	8	10	d	3.5	4.5	5.5	6.5	9	11	L	4.5	6	7.5	9	12	15		6	8	10	12	16	20	<table border="1"> <thead> <tr><th>Keyhole Nominal Dia.</th><th>5</th><th>6</th><th>8</th></tr> </thead> <tbody> <tr><td>d1</td><td>6</td><td>7</td><td>9</td></tr> <tr><td>d2</td><td>14</td><td>16</td><td>20</td></tr> <tr><td>h</td><td>11</td><td>12</td><td>15</td></tr> </tbody> </table>	Keyhole Nominal Dia.	5	6	8	d1	6	7	9	d2	14	16	20	h	11	12	15
Bolt Nom. Dia.	3	4	5	6	8	10																																																																						
d	3.5	4.5	5.5	6.5	9	11																																																																						
d1	7.5	9.5	11.5	13.5	19	23																																																																						
h	2	2.5	3	3.5	5	6																																																																						
Bolt Nom. Dia.	3	4	5	6	8	10																																																																						
d	3.5	4.5	5.5	6.5	9	11																																																																						
L	4.5	6	7.5	9	12	15																																																																						
	6	8	10	12	16	20																																																																						
Keyhole Nominal Dia.	5	6	8																																																																									
d1	6	7	9																																																																									
d2	14	16	20																																																																									
h	11	12	15																																																																									
*Keyhole Reference Position Keyhole Machining Conditions a≥5 b≥5 c≥5 2H / 4H / 6H / 8H 2HL (1) When 2H, the center of diameter d1, is consistent with G. (2) When 4H and 6H, the center of G dimension is consistent with the center of B dimension. (3) When 8H, the diameter d1, center of the middle Keyhole is consistent with the center of B dimension. (4) When 2HL, keyholes turn sideways and the center of diameter d1, is consistent with F.																																																																												

Pre-Drilled Type

Material Code	Nominal	A	B	T Selection				F	G	Select Mounting Holes																			
				1 mm Increment	ACA	ACBA	ACDA ACTA ACBTA			0.5 mm Increment	N	P	Q	M	L														
ACA Standard Transparent	2H (Horizontal)	20-1200	20-1000	3	3	3	6-1191.5 (2H, 4H)	4.5-995.5 (2H)	3	3	3	3	3	—															
ACBA Standard Smoke Brown				4	4	—									4.5-1195.5 (2HL)	6-991.5 (2HL, 4H, 6H)	3	3 4 5 6	3 4										
ACDA Standard Orange				5	5	5														6-595.5 (6H, 8H)	6-495.5 (8H)	3	4 5 6	4 5					
ACTA Antistatic Transparent				6	6	—																			6-791.5 (2H, 4H)	4.5-595.5 (2H)	3	4 5 6 8	4 5 6
ACBTA Antistatic Smoke Brown				8	8	—																							
ACA Standard Transparent	10	10	—	6-395.5 (6H, 8H)	6-295.5 (8H)	3	5 6 8 10	5 6 8 10																					
	15	—	—						5 6 8 10	5 6 8 10	5 6 8 10	5 6 8 10	5 6 8 10																
	20	—	—											5 6 8 10	5 6 8 10	5 6 8 10	5 6 8 10	5 6 8 10											
	25	—	—																5 6 8 10	5 6 8 10	5 6 8 10	5 6 8 10	5 6 8 10						
																								5 6 8 10	5 6 8 10	5 6 8 10	5 6 8 10	5 6 8 10	

Dimension F Specification Range
 For 2H and 4H: $d(d_1)+2.5 \leq F \leq A-d(d_1)-5$;
 for 2HL: $d(d_1)/2+2.5 \leq F \leq A-d(d_1)/2-2.5$;
 for 6H and 8H: $d(d_1)+2.5 \leq F \leq (A-d(d_1)-5)/2$.
 Dimension G Specification Range
 For 2H: $d(d_1)/2+2.5 \leq G \leq B-d(d_1)/2-2.5$;
 for 2HL, 4H and 6H: $d(d_1)+2.5 \leq G \leq B-d(d_1)-5$;
 for 8H: $d(d_1)+2.5 \leq G \leq (B-d(d_1)-5)/2$.
 (d for through hole, d1 for countersink.)

Part Number Alterations
 Part Number - A - B - T - F - G - Bolt Nominal Diameter - (XC / YC)
 ACA4H - 200 - 100 - 4 - F160 - G50 - N6 - XC15-YC35

Part Number Example	
Part Number	Bolt Nominal Diameter
ACA6H - 800 - 400 - 3 - F250 - G355 - N3	N3
ACA6H - 800 - 400 - 8 - F250 - G300 - N4 - L6	N4 - L6

Alterations	Hole Position from Left	Hole Position from Bottom
Code	XC	YC
Spec.	XC = 0.5mm Increment (2H, 4H Type) (6H, 8H Type) $d(d_1)/2+2.5 \leq XC \leq A-2F-d(d_1)/2-2.5$	YC = 0.5mm Increment (8H Type) (2H, 4H Type) (4H, 6H Type) (6H, 8H Type) Not available for 2H $d(d_1)/2+2.5 \leq YC \leq B-2G-d(d_1)/2-2.5$ $d(d_1)+2.5 \leq YC \leq B-G-d(d_1)/2-2.5$