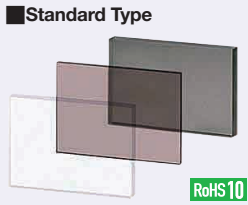


Polycarbonate Plates

Has the highest level of impact strength among the transparent plastic materials (30 times stronger than Acrylic) and also excels in heat-resistance and cold-resistance.

Standard Type



RoHS10

Type	M Grade	Color	Light Transmittance	Opening Ambient Temperature
PCTA	Standard	Transparent	90%	-30~100°C
PCTBA	Standard	Smoke Brown	35%	
PCTGA	Standard	Smoke Gray	33%	
PCTTA	Antistatic	Transparent	86%	
PCTBTA	Antistatic	Smoke Brown	35%	
PCTSP	Abrasion-resistant	Transparent	91%	

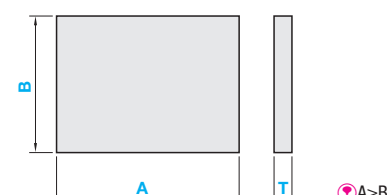
T Dimension Tolerance

T	T Dimension Tolerance
3~6	±0.5
8~10	±1.0

Dimension Tolerance of A and B ±1.0

Finish

4 Sides	Upper-lower Surface
Drilling Method: Circular Sawing, Finish Symbol: ✓	Drilling Method: Material, Finish Symbol: ~



Part Number	A	B	T
Standard Size	1mm Increment		Selectable
PCTA (Standard, Transparent)	20~1200	20~1000	3, 4, 5, 6, 8, 10
PCTBA (Standard, Smoke Brown)			
PCTGA (Standard, Smoke Gray)			
PCTTA (Antistatic, Transparent)			
PCTBTA (Antistatic, Smoke Brown)			
PCTSP (Abrasion Resistance, Transparent)			
Large Size	1201~2000	20~1000	3, 5
L-PCTA (Standard, Transparent)			
L-PCTBA (Standard, Smoke Brown)			
L-PCTGA (Standard, Smoke Gray)			
L-PCTTA (Antistatic, Transparent)			
L-PCTBTA (Antistatic, Smoke Brown)			
L-PCTSP (Abrasion Resistance, Transparent)			

Ordering Example

Part Number - A - B - T

PCTA - 1200 - 800 - 8

Large Size

Part Number - A - B - T

L-PCTSP - 1300 - 800 - 3

Large Size

Alterations

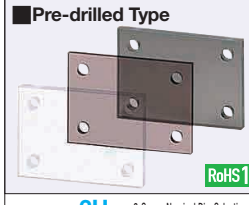
Part Number - A - B - T - (CRA, CRB... etc)

PCTA - 200 - 200 - 5 - CRA5

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 6 Extrusion Type: Joint Type: Notching Position (See the diagram above)	CN=1mm Increment Machines relief at four corners. 5 ≤ CN ≤ 50 Applicable to standard sizes only. Ordering Code: CN=25 → CN25	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(Ex.) When the corners of A and D are cut by C5 → CCA5-CCD5 Applicable to standard sizes only.

For details of notching alterations for blind joint of aluminum frames, refer to P950.

Pre-drilled Type



RoHS10

Type	M Grade	Color	Light Transmittance	Opening Ambient Temperature
PCTA	Standard	Transparent	90%	-30~100°C
PCTBA	Standard	Smoke Brown	35%	
PCTGA	Standard	Smoke Gray	33%	
PCTTA	Antistatic	Transparent	86%	
PCTBTA	Antistatic	Smoke Brown	35%	
PCTSP	Abrasion-resistant	Transparent	91%	

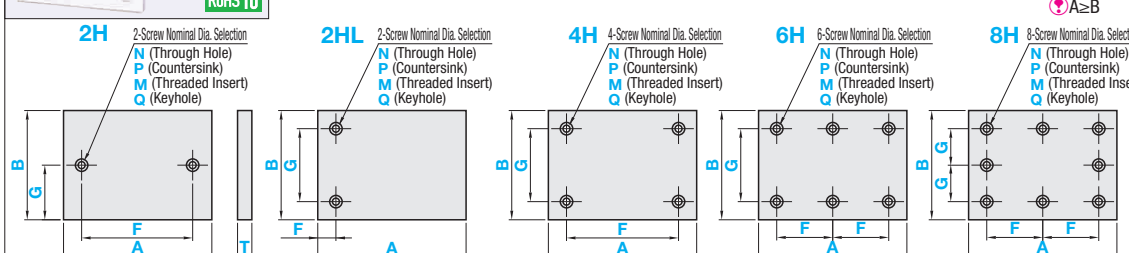
T Dimension Tolerance

T	T Dimension Tolerance
3~6	±0.5
8, 10	±1.0

Dimension Tolerance of A and B ±1.0

Finish

4 Sides	Upper-lower Surface
Drilling Method: Circular Sawing, Finish Symbol: ✓	Drilling Method: Material, Finish Symbol: ~



Hole Machining Details

N (Through Hole)	P (Countersink)	M (Threaded Insert)	Hole Machining Conditions (N,P,M)	Q (Keyhole)	Hole Machining Conditions Q (Keyhole)																																																																			
			Ordering Code (Ex.) M4-L6 L ≤ T-1 For details of threaded insert HLTS, see P271		Keyhole Reference Position Keyhole Machining Conditions a ≥ 5 b ≥ 5 c ≥ 5 2H, 4H, 6H, 8H 2HL																																																																			
<table border="1"> <thead> <tr> <th>Screw Nominal 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>		Screw Nominal 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>Screw Nominal Dia.</th> <th>3</th> <th>4</th> <th>5</th> <th>6</th> <th>8</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> </tr> <tr> <td>L</td> <td>3</td> <td>4</td> <td>5</td> <td>6</td> <td>8</td> </tr> <tr> <td>h</td> <td>4.5</td> <td>6</td> <td>7.5</td> <td>9</td> <td>10</td> </tr> </tbody> </table>		Screw Nominal Dia.	3	4	5	6	8	d	3.5	4.5	5.5	6.5	9	L	3	4	5	6	8	h	4.5	6	7.5	9	10	<table border="1"> <thead> <tr> <th>Nominal Dia. b (Min. Value)</th> <th>3~10</th> <th>2.5</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>		Nominal Dia. b (Min. Value)	3~10	2.5	d1	6	7	9	d2	14	16	20	h	11	12	15
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Keyhole Position

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

Part Number	Number of Holes	A	B	T Selection	F	G	Screw Nominal Dia. Selection																	
							Through Hole	Countersink	Keyhole	Threaded Insert	L													
PCTA (Standard, Transparent)	2H (Horizontal) 2HL (Vertical) 4H 6H 8H	20	20	PCTA Except PCTA	6~1191.5 (2H, 4H) 4.5~1195.5 (2HL) 6~595.5 (6H, 8H)	4.5~995.5 (2H) 6~991.5 (2HL, 4H, 6H) 6~495.5 (8H)	3	3	3	3	-	-												
PCTBA (Standard, Smoke Brown)																								
PCTGA (Standard, Smoke Gray)																								
PCTTA (Antistatic, Transparent)																								
PCTBTA (Antistatic, Smoke Brown)																								
PCTSP (Abrasion Resistance, Transparent)																								
PCTA (Standard, Transparent)													4	4	5	6	8	10	3	4	5	6	8	
PCTBA (Standard, Smoke Brown)													5	6	8	10	3	4	5	6	8	10	3	4
PCTGA (Standard, Smoke Gray)													6	8	10	3	4	5	6	8	10	3	4	5
PCTTA (Antistatic, Transparent)													8	10	3	4	5	6	8	10	3	4	5	6
PCTBTA (Antistatic, Smoke Brown)	10	3	4	5	6	8	10	3	4	5	6	8												
PCTSP (Abrasion Resistance, Transparent)	10	3	4	5	6	8	10	3	4	5	6	8												

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.)

Pre-drilled

Ordering Example

Part Number - A - B - T - F - G - Screw Nominal Dia. - L

PCTA4H - 800 - 600 - 6 - F700 - G500 - P5

PCTA4H - 800 - 600 - 6 - F700 - G500 - M4 - L4

Alterations

Part Number - A - B - T - F - G - Screw Nominal Dia. - (XC, YC)

PCTA4H - 100 - 80 - 4 - F50 - G60 - N4 - XC10

Alterations	Hole Position from Left	Hole Position from Bottom
	Code	XC
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 2H, 4H Type $d(d1)/2+2.5 \leq YC \leq B-G-d(d1)/2-2.5$ Not available for 2H.