

Washers / Collars - Fluororesin / Epoxy Glass / PEEK

Square Resin Washers / Extra Thin Resin Sheets

Washer	Collar	Collar with Flange	Material
EPOW	EPOC	EPOB	Epoxy Glass
PTW	PTC	PTB	Fluororesin (Polytetrafluoroethylene)
PKW	PKC	PKB	PEEK

Material Properties P141

Washer

Part Number	Type	D	V Selection				T	Unit Price		
			EPOW	PTW	PKW					
10	3	4	5	6						
12	4	5	6	8						
14	4	5	6	8	10					
15	4	5	6	8	10					
16	5	6	8	10						
20	5	6	8	10	12					
25	6	8	10	12						
30		10	12	16						
35		12	16							
40		16								

Collar

Part Number	Type	V	D Selection				L	1mm Increment
			5~30	5~50	5~100			
2	5	6	8	10		5~30		
3	5	6	8	10	12	14		
4	6	8	10	12	14	15		
5	8	10	12	14	15	16	20	
6	8	10	12	14	15	16	20	
8	12	14	15	16	20	25	30	
10	14	15	16	20	25	30		
12		20	25	30				
16		20	25	30				
20		25	30					

Machining Conditions L≤Dx3, only for PTC

Part Number	Type	V	Unit Price											
			EPOC			PTC			PKC					
2			L5~25	L26~50	L51~75	L76~100	L5~25	L26~50	L51~75	L76~100	L5~25	L26~50	L51~75	L76~100
3														
4														
5														
6														
8														
10														
12														
16														
20														

Collar with Flange

Part Number	Type	V	L Selection	H	D	T	Unit Price		
							EPOB	PTB	PKB
3			8	10	15	20			
4				10	6				
5				12	8				
6				15	10				
8				20	10				
10				25	12				
12				30	14				
16				35	20				
				40	20				

One Through Hole	Two Through Holes	Two Countersunk Holes	Two Counterbored Holes	Material	Color
WSRJ	WSRR	WSRP	WSRZ	Polyacetal	White
WSRJ	WSRR	WSRP	WSRZ	MC Nylon Standard Grade	Blue

Material Properties P141

One Through Hole

Part Number	Type	A	B	P	T	Screw Nominal Dia.	d	Unit Price	
								WSRJ	WSRJ
6	6~20	3.0~10.0	2	3	3.5				
8	8~25	4.0~12.5	3	3	3.5				
10	10~30	5.0~15.0	4	4	4.5				
12	12~35	6.0~17.5	5	4	4.5				
15	15~45	7.5~22.5	6	5	5.5				
20	20~60	10.0~30.0	8	6	6.5				
25	25~75	12.5~37.5	10	8	9				

Two Through Holes

Part Number	Type	A	B	P	T	Screw Nominal Dia.	d	P1	Unit Price	
									WSRR	WSRR
6	12~24	6.0~18.0	2	3	3.5	3				
8	16~32	8.0~24.0	3	3	3.5	4				
10	20~40	10.0~30.0	4	4	4.5	5				
12	24~48	12.0~36.0	5	4	4.5	6				
15	30~60	15.0~45.0	6	5	5.5	7.5				
20	40~80	20.0~60.0	8	6	6.5	10				
25	50~100	25.0~75.0	10	8	9	12.5				

Two Countersunk Holes

Part Number	Type	A	B	P	T	Screw Nominal Dia.	d	d1	h	P1	Unit Price	
											WSRP	WSRP
10	20~40	10.0~30.0	3	3	3.5	7.5	2	5				
12	24~48	12.0~36.0	4	4	4.5	9.5	2.5	6				
15	30~60	15.0~45.0	4	5	5.5	11.5	3	7.5				
20	40~80	20.0~60.0	5	6	6.5	13.5	3.5	10				
25	50~100	25.0~75.0	6	8	9	19	5	12.5				

Two Counterbored Holes

Part Number	Type	A	B	P	T	Screw Nominal Dia.	d	d1	h	P1	Unit Price	
											WSRZ	WSRZ
10	20~40	10.0~30.0	6	3	3.5	6.5	4	5				
12	24~48	12.0~36.0	8	4	4.5	8	5	6				
15	30~60	15.0~45.0	8	5	5.5	9.5	6	7.5				
20	40~80	20.0~60.0	10	6	6.5	11	7	10				
25	50~100	25.0~75.0	12	8	9	14	9	12.5				

Ordering Example: Part Number - B - P
WSRJ10 - 25 - 12.5

Alterations: Part Number - B - P - (NA)
WSRJ20 - 60 - 150 - NA30

Slotted Hole

Alterations: NA

Code: NA

Spec: One Hole 1 ≤ NA ≤ B - P - d/2 - 1.25; Two Holes 1 ≤ NA ≤ P - d - 1.25

Extra Thin Resin Sheets

Sheet	Material	Color	Thickness (T) Tolerance			
CIRAJ	Polyacetal	White	0.1	0.2	0.3	0.5
CIRAT	Fluororesin	White	±0.03	±0.04	±0.07	
CIRAP	Polycarbonate	Transparent	±0.01	±0.02	±0.03	±0.05

Ordering Example: Part Number - A - B
CIRAJ0.2 - 100 - 20

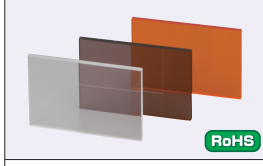
Part Number	Type	T	A	B	Unit Price											
					CIRAJ		CIRAT		CIRAP							
20, 30					T0.2	0.3	0.5	1.0	T0.1, 0.2	0.3	0.5	1.0	T0.1, 0.2	0.3	0.5	1.0
40, 50																
60, 70, 80																
90, 100																
150																
30, 40																
50, 60																
70, 80, 90																
100, 150																
40, 50																
60, 70, 80																
90, 100																
150																
50, 60																
70, 80, 90																
100																
150, 200																
60, 100																
200																
100																
200																

* CIRAJ is not available for T0.1.

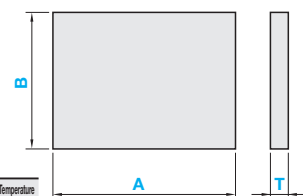
PET Plates

For antistatic thick plates used as bushing for semiconductor components / electronic components (Antistatic PET Plates), see P1019.

Standard Type



RoHS



T Dimension Tolerance

T	T Dimension Tolerance
1	±0.15
2, 3	±0.2
4, 5	±0.3
8	±0.6

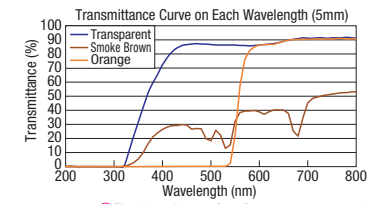
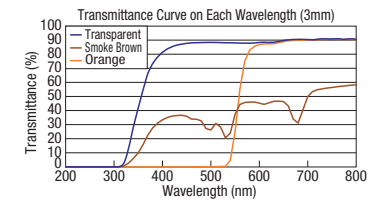
Dimension Tolerance of A and B ±1.0

Type	M Grade	Color	Light Transmittance	Operating Ambient Temperature
PYA	Standard	Transparent	87%	-15~55°C
PYBA	Standard	Smoke Brown	28%	
PYDA	Standard	Orange	45%	
PYTA	Antistatic	Transparent	77%	
PYBTA	Antistatic	Smoke Brown	30%	

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

Standard Type

Part Number	A	B	T
Standard Size	1mm Increment		Selectable
PYA (Standard, Transparent)	20~1200	20~1000	1, 2, 3, 4, 5, 8
PYBA (Standard, Smoke Brown)			3, 4, 5
PYDA (Standard, Orange)			3, 5
PYTA (Antistatic, Transparent)			
PYBTA (Antistatic, Smoke Brown)			
Large Size	1201~2000	20~1000	3, 5
L-PYA (Standard, Transparent)			
L-PYBA (Standard, Smoke Brown)			
L-PYDA (Standard, Orange)			
L-PYTA (Antistatic, Transparent)			
L-PYBTA (Antistatic, Smoke Brown)			



The above data are for reference, not guaranteed.

Ordering Example

Standard Size	Large Size
Part Number - A - B - T	Part Number - A - B - T
PYA - 1200 - 800 - 8	L-PYA - 1300 - 800 - 3

For T0.5 / 1.5, see P.973.

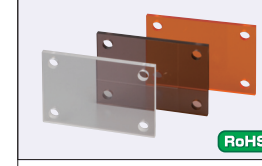
Alterations

Part Number	A	B	T	(CRA -- etc.)
PYA	- 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 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: (Ex.) When the corners of A and D are cut by CSC CCA5-CCD5 Applicable to standard sizes only.

For details of notching alterations for blind joint of aluminum frames, refer to P.950.

Pre-drilled Type

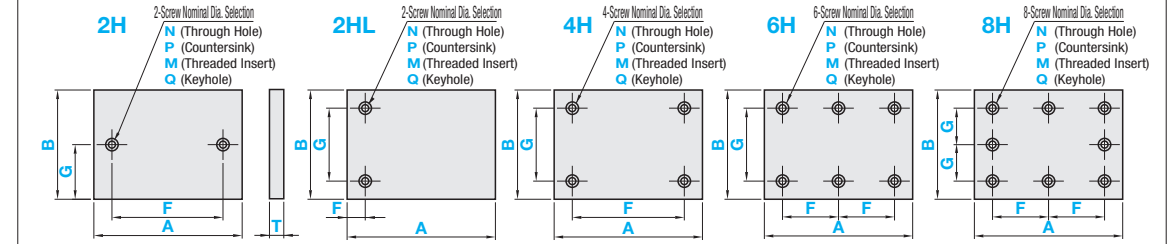


Type	M Grade	Color	Light Transmittance	Operating Ambient Temperature
PYA	Standard	Transparent	87%	-15~55°C
PYBA	Standard	Smoke Brown	28%	
PYDA	Standard	Orange	45%	
PYTA	Antistatic	Transparent	77%	
PYBTA	Antistatic	Smoke Brown	30%	

T Dimension Tolerance

T	T Dimension Tolerance
1	±0.15
2, 3	±0.2
4, 5	±0.3
8	±0.6

Dimension Tolerance of A and B ±1.0



Hole Machining Details																																																													
N (Through Hole)	P (Countersink)	M (Threaded Insert)	Hole Machining Conditions (N, P, M)	Q (Keyhole)																																																									
<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>-</td> </tr> <tr> <td>h</td> <td>2</td> <td>2.5</td> <td>3</td> <td>3.5</td> <td>5</td> <td>-</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	-	h	2	2.5	3	3.5	5	-	<table border="1"> <thead> <tr> <th>Screw Nominal Dia.</th> <th>3</th> <th>4</th> </tr> </thead> <tbody> <tr> <td>d</td> <td>3.5</td> <td>4.5</td> </tr> <tr> <td>L</td> <td>4.5</td> <td>6</td> </tr> <tr> <td></td> <td>6</td> <td>8</td> </tr> </tbody> </table>		Screw Nominal Dia.	3	4	d	3.5	4.5	L	4.5	6		6	8	<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
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	-																																																							
h	2	2.5	3	3.5	5	-																																																							
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d2	14	16	20																																																										
h	11	12	15																																																										
<p>Keyhole Position</p> <p>Keyhole Machining Conditions a ≥ 5c ≥ 5</p> <p>2H, 4H, 6H, 8H</p> <p>2HL</p> <p>Keyhole Position</p> <p>For 2H, the center of diameter d1 is consistent with G.</p> <p>For 4H and 6H, the center of G dimension is consistent with the center of B dimension.</p> <p>For 8H, the diameter d1 center of the middle Keyhole is consistent with the center of B dimension.</p> <p>For 2HL, keyholes turn sideways and the center of diameter d1 is consistent with F.</p>																																																													

Pre-drilled Type

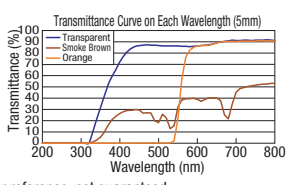
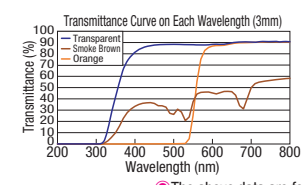
Part Number	A	B	T Selection				F	G	Screw Nominal Dia. Selection					
			Number of Holes	1mm Increment	PYA	PYBA			PYDA	PYTA	PYBTA	Through Hole	Countersink	Keyhole
PYA (Standard, Transparent)	20~1200	20~1000	2H (Horizontal)	1	-	-	6~1191.5 (2H, 4H)	4.5~995.5 (2H)	3	-	-	-	-	Select from Table 1
PYBA (Standard, Smoke Brown)			2HL (Vertical)	2	-	-			4	-	-	-		
PYDA (Standard, Orange)			4H	3	3	3	5	3	5	-	-			
PYTA (Antistatic, Transparent)			6H	4	4	-	6	3 4 5	6	8	3			
PYBTA (Antistatic, Smoke Brown)			8H	5	5	5	8	3 4 5 6	8	3 4				
				8	-	-	10	4 5 6 8	8	3 4				

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: $d(d1)/2+2.5 \leq G \leq B-d(d1)-5$; 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
PYBA4H	- 900	- 700	- 4	- F750	- G650	- P4	- L4
PYA4H	- 850	- 500	- 5	- F450	- G300	- M4	- L4



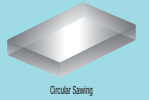
The above data are for reference, not guaranteed.

Alterations

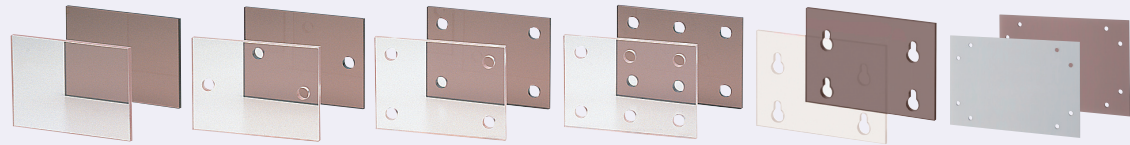
Part Number	A	B	T	F	G	Screw Nominal Dia.	(XC, YC)
PYA4H	- 200	- 100	- 4	- F100	- G50	- N6	- YC35

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

Antistatic PVC Plates



Cost-effective as antistatic type with high flame and chemical resistance.



RoHS

ENBT (Antistatic PVC Plate, Transparent)
ENBBT (Antistatic PVC Plate, Smoke Brown)

Type	Operating Ambient Temperature
Antistatic PVC Plates	-30~60°C

Standard Type

Pre-drilled Type

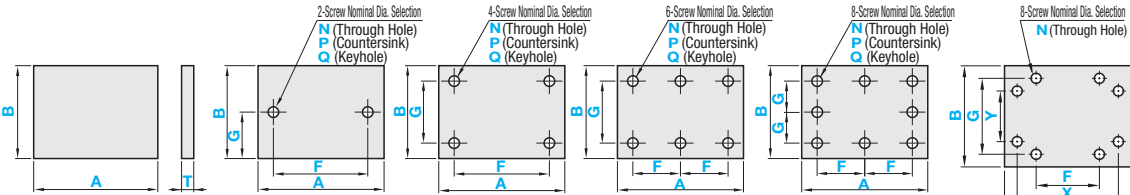
2 Holes **2H**

4 Holes **4H**

6 Holes **6H**

8 Holes **8H**

8 Holes **8HV**



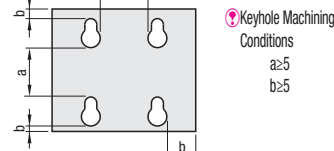
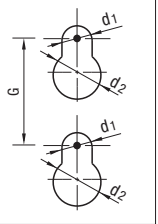
A ≥ B

Light Transmission: ENBT80%, ENBBT29%

Keyhole Reference Position

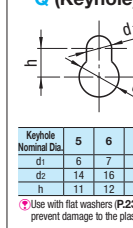
Keyhole Position

- 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.



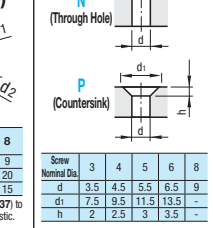
Keyhole Details

Q (Keyhole)



Hole Machining Details

N (Through Hole)



Accuracy Standards

- T Dimension Tolerance ±0.5
- Dimension Tolerance of A and B ±1.0

Standard Type

Pre-drilled Type

Part Number	1mm Increment		Selection	Part Number	1mm Increment		Selection	1mm Increment			Screw Nominal Dia. Selection				
	Type	A			B	Type		A	B	T	F	G	X	Y	N (Through)
ENBT	100~1100	100~900	3	ENBT	2H	100	100	3	9~1091	5~895			3		5
ENBBT			5	ENBBT	4H	100	900	3	(2H, 4H Type)	(2H Type)			4		6
					6H	1100	900	3	(4H, 6H Type)	(4H, 6H Type)			5		8
					8H			5	(6H, 8H, 8HV Type)	(8H, 8HV Type)	19~535	19~435	6	3	4
					8HV			3, 5					8		

- Dimension F Specification Range: For 2H and 4H, d₁+5 ≤ F ≤ A-d₁-5; for 6H and 8H, d₁+5 ≤ F ≤ A/2-d₁/2-2.5. ≤ F ≤ 5
- Dimension G Specification Range: For 2H, d₁/2+2.5 ≤ G ≤ B-d₁/2-2.5; for 4H and 6H, d₁+5 ≤ G ≤ B-d₁-5; for 8H, d₁+5 ≤ G ≤ B/2-d₁/2-2.5. (d for through hole, d₁ for countersink)
- Dimension X Specification Range: d+5 ≤ X ≤ A/2-d/2-2.5
- Dimension Y Specification Range: d+5 ≤ Y ≤ B/2-d/2-2.5
- For 8HV: X-2d-F > 10, G-2d-Y > 10

Standard Type
Ordering Example: Part Number - A - B - T
ENBT - 955 - 825 - 5

Pre-drilled Type
Ordering Example: Part Number - A - B - T - F - G - Screw Nominal Dia.
ENBBT6H - 800 - 400 - 3 - F375 - G350 - N5

Standard Type Unit Price

Part Number	T	A	Unit Price							
			B100-200	B201-300	B301-400	B401-500	B501-600	B601-700	B701-800	B801-900
ENBT (Transparent)	3	100-200	-	-	-	-	-	-	-	-
		201-300	-	-	-	-	-	-	-	-
		301-400	-	-	-	-	-	-	-	-
		401-500	-	-	-	-	-	-	-	-
		501-600	-	-	-	-	-	-	-	-
		601-700	-	-	-	-	-	-	-	-
		701-800	-	-	-	-	-	-	-	-
		801-900	-	-	-	-	-	-	-	-
		901-1000	-	-	-	-	-	-	-	-
		1001-1100	-	-	-	-	-	-	-	-
ENBBT (Smoke Brown)	3	100-200	-	-	-	-	-	-	-	-
		201-300	-	-	-	-	-	-	-	-
		301-400	-	-	-	-	-	-	-	-
		401-500	-	-	-	-	-	-	-	-
		501-600	-	-	-	-	-	-	-	-
		601-700	-	-	-	-	-	-	-	-
		701-800	-	-	-	-	-	-	-	-
		801-900	-	-	-	-	-	-	-	-
		901-1000	-	-	-	-	-	-	-	-
		1001-1100	-	-	-	-	-	-	-	-

Pre-drilled JPY Screw Nominal Drilling Unit Price

Type	N (Through)	P (Countersink)	Q (Keyhole)
2H			
4H			
6H			
8H			
8HV			

Pre-drilled Type Price = Standard Type Unit Price + Hole Machining Charge

(Ex.) Part Number - A - B - T - F - G - Screw Nominal Dia. >>
ENBT4H - 500 - 400 - 5 - F240 - G160 - N8 >>
(Standard Type Unit Price) + (Hole Machining Charge) = Pre-Drilled Type Price



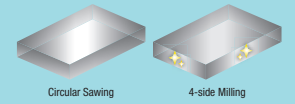
Alterations Part Number - A - B - T - F - G - Screw Nominal Dia. - (XC, YC, CN -- etc.)
ENBT4H - 500 - 400 - 3 - F300 - G300 - N6 - XC15, YC35

Alterations	Notching for Blind Joints of Aluminum Extrusions	Relief at Four Corners	Corner Cut
Code	F, E, J, K	CN	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. 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 Ordering Code: CN=25 ... CN25	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.

Alterations	Corner Radius	Hole Position from Left	Hole Position from Bottom
Code	CRA, CRB, CRC, CRD	XC	YC
Spec.	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.	XC = 1mm Increment 5 ≤ XC ≤ 1086 (2H, 4H Type) d ₁ /2+2.5 ≤ XC ≤ A-F-d ₁ /2-2.5 (6H, 8H Type) d ₁ /2+2.5 ≤ XC ≤ A-2F-d ₁ /2-2.5	YC = 1mm Increment 5 ≤ YC ≤ 886 (4H, 6H Type) d ₁ /2+2.5 ≤ YC ≤ B-G-d ₁ /2-2.5 (8H Type) d ₁ /2+2.5 ≤ YC ≤ B-2G-d ₁ /2-2.5 Not available for 2H.

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

A ≈ B

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%	

Standard Type

Part Number	A	B	T			
Material	Finish Selection A, B Dimension Tolerance					
Standard Size	Circular Sawing	1mm Increment	Selectable			
ACA (Standard, Transparent)	-	20~1200	20~1000			
ACBA (Standard, Smoke Brown)		20~800	20~600			
ACDA (Standard, Orange)		20~1200	20~1000	3, 4, 5, 6, 8, 10		
ACTA (Antistatic, Transparent)				3, 5		
ACBTA (Antistatic, Smoke Brown)				3, 5		
Large Size		-	-	-		
L-ACA (Standard, Transparent)	1201~2000				20~1000	3, 5
L-ACBA (Standard, Smoke Brown)						3, 5
L-ACDA (Standard, Orange)	L-ACTA (Antistatic, Transparent)	L-ACBTA (Antistatic, Smoke Brown)	3, 5			
4-side Milling	4-side Milling	0.1mm Increment	Selectable			
ACA (Standard, Transparent)	4F	-	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)						

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

Transmittance Curve on Each Wavelength

The above data are for reference, not guaranteed.

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

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%	

2H 2-Screw Nominal Dia. Selection

N (Through Hole)
P (Countersink)
M (Threaded Insert)
Q (Keyhole)

2HL 2-Screw Nominal Dia. Selection

N (Through Hole)
P (Countersink)
M (Threaded Insert)
Q (Keyhole)

4H 4-Screw Nominal Dia. Selection

N (Through Hole)
P (Countersink)
M (Threaded Insert)
Q (Keyhole)

6H 6-Screw Nominal Dia. Selection

N (Through Hole)
P (Countersink)
M (Threaded Insert)
Q (Keyhole)

8H 8-Screw Nominal Dia. Selection

N (Through Hole)
P (Countersink)
M (Threaded Insert)
Q (Keyhole)

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 LsT-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 1

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

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

Use with flat washers (P237) to prevent damage to the plastic.

Pre-drilled Type

Material Code	Number of Holes	A	B	T Selection		F	G	Screw Nominal Dia. Selection							
				1mm Increment	ACA			ACBA	ACDA	ACTA	ACBTA	Through Hole	Countersink	Keyhole	Threaded Insert
ACA (Standard, Transparent)	2H (Horizontal) 2HL (Vertical)	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	4	5	6	8	10	-
				4	4	-									3
				5	5	5									3 4
				6	6	-									3 4 5 6
				8	8	-									4 5 6
				10	10	-									4 5 6 8
ACA (Standard, Transparent)	4H 6H 8H	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)	3	4	5	6	8	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: $d(d_1)+2.5 \leq F \leq A-d(d_1)-5$; 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.)

Ordering Example Part Number - A - B - T - F - G - Screw Nominal Dia. - L
 ACA6H - 800 - 400 - 3 - F250 - G355 - N3 - 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
Spec.	XC = 0.5mm Increment (2H, 4H Type) $d(d_1)/2+2.5 \leq XC \leq A-F-d(d_1)/2-2.5$ (6H, 8H Type) $d(d_1)/2+2.5 \leq XC \leq A-2F-d(d_1)/2-2.5$	YC = 0.5mm Increment $d(d_1)/2+2.5 \leq YC \leq B-G-d(d_1)/2-2.5$ Not available for 2H.

Transmittance Curve on Each Wavelength

The above data are for reference, not guaranteed.

Acrylic Plates - Economy, Curved Panels

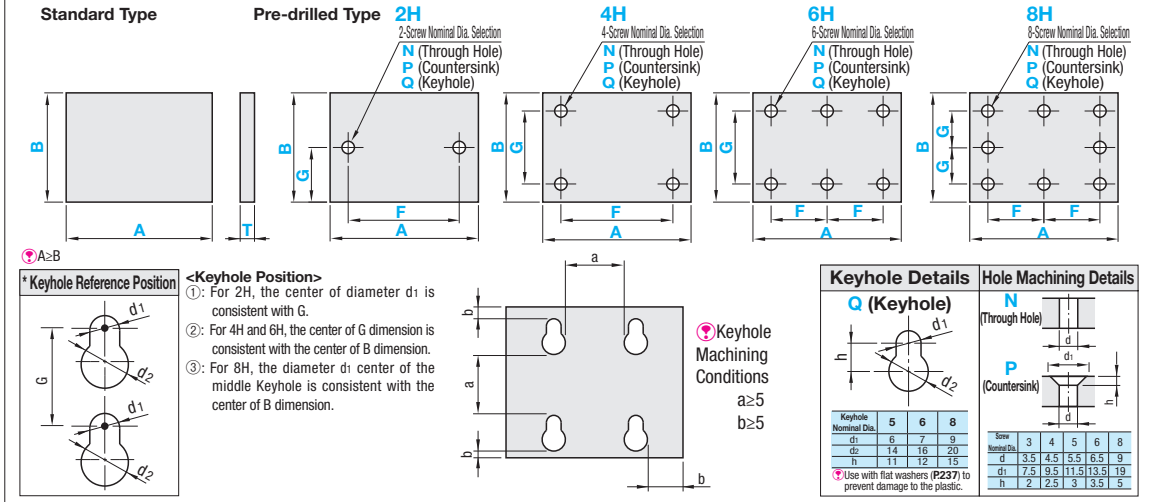
Extruded Plates

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		Smoke Brown	34%	
ACTAE	Antistatic	Transparent	87%	-30~60°C
ACBTAE		Smoke Brown	25%	

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

RoHS

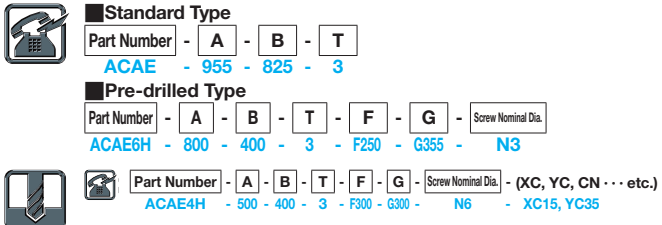


Standard Type				Pre-drilled Type			
Part Number	1mm Increment	Selection		Part Number	1mm Increment	Selection	
Type	A	B	T	Type	A	B	T
ACAE	300-1100	300-900	3	ACAE	300-1100	300-900	3
ACBAE			5	ACBAE			5
ACTAE			8	ACTAE			8
ACBTAE	3	ACBTAE	3				
			5				5
			8				8

1mm Increment
 F: 9~1091 (2H, 4H)
 G: 5~895 (2H), 9~891 (4H, 6H), 9~445 (8H)

Screw Nominal Dia. Selection
 N (Through), P (Countersink), Q (Keyhole)

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.)



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 Joint Type: 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 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) $d(d1)/2+2.5 \leq XC \leq A-2F-d(d1)/2-2.5$	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) $d(d1)/2+2.5 \leq YC \leq B-2G-d(d1)/2-2.5$ Not available for 2H.

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

Standard

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

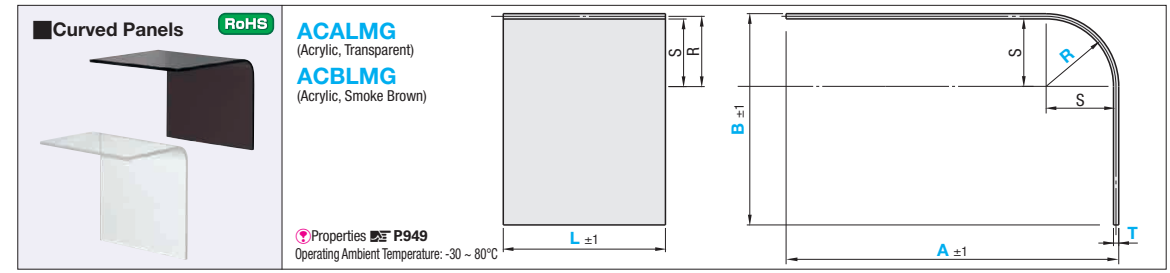
Antistatic

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

Hole Machining Charge

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

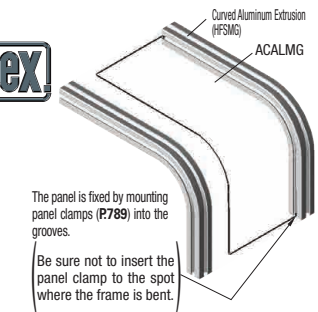
Pre-drilled Type Price = Standard Type Unit Price + Hole Machining Charge
 (Ex.) Part Number - A - B - T - F - G - Screw Nominal Dia.
 ACTAE4H - 500 - 400 - 5 - F240 - G160 - N8
 (Standard Type Unit Price) + (Hole Machining Charge) = Pre-Drilled Type Price



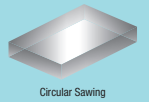
Part Number	T	A	B	L	R*	S
ACALMG	5	200~700	200~700	200~1000	140	137.5
ACBLMG						

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	901-1000	
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	501-600	601-700	501-600	601-700	501-600	601-700
					601-700	501-600	601-700	501-600	601-700	501-600	601-700
					601-700	501-600	601-700	501-600	601-700	501-600	601-700
					601-700	501-600	601-700	501-600	601-700	501-600	601-700



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

RoHS

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

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

A ≥ B

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	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

RoHS

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

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

A ≥ B

Hole Machining Details																																															
N (Through Hole)	P (Countersink)	M (Threaded Insert)	Q (Keyhole)																																												
<p>Ordering Code (Ex.) M4-L6</p> <p>L ≤ F-1</p> <p>For details of threaded insert HLTS, see P271</p>		<p>Keyhole Reference Position</p> <p>Keyhole Machining Conditions a ≥ 5 b ≥ 5 c ≥ 5</p> <p>2H, 4H, 6H, 8H</p> <p>2HL</p>																																													
<table border="1" style="font-size: small;"> <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" style="font-size: small;"> <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
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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	1000	3	6~1191.5 (2H, 4H)	4.5~995.5 (2H)	3	3	3	3	3	3	3
PCTBA (Standard, Smoke Brown)														
PCTGA (Standard, Smoke Gray)														
PCTTA (Antistatic, Transparent)														
PCTBTA (Antistatic, Smoke Brown)														
PCTSP (Abrasion Resistance, Transparent)														
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.)

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

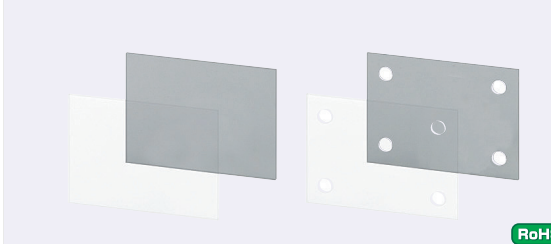
Alterations

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 $d(d_1)/2+2.5 \leq XC \leq A-F-d(d_1)/2-2.5$ 6H, 8H Type $d(d_1)/2+2.5 \leq XC \leq A-2F-d(d_1)/2-2.5$	YC = 0.5mm Increment $d(d_1)/2+2.5 \leq YC \leq B-G-d(d_1)/2-2.5$ Not available for 2H.

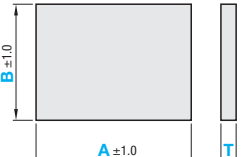
Plastic Sheets



Type	Material	Grade	Color	Light Transmittance	Operating Ambient Temperature
ACSH	Acrylic	Standard	Transparent	93%	-30~80°C
PCTSH	Polycarbonate		Transparent	90%	-30~100°C
PYSH	PET		Transparent	87%	-15~55°C
PASH	Polycetal		White	-	-45~95°C
UPSH	Ultra High-Molecular-weight Polyethylene		Milky White	-	-100~80°C
Properties P949, 953, 954					

RoHS

Standard Type



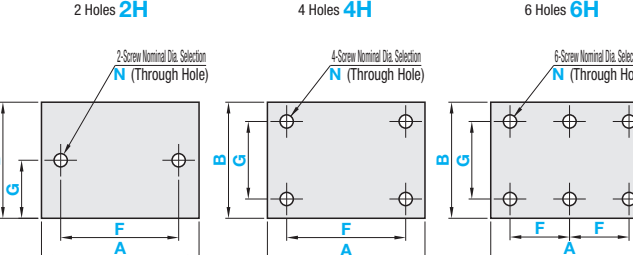
A ±1.0
B ±1.0
T

Pre-drilled Type

2 Holes **2H**

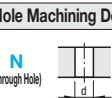
4 Holes **4H**

6 Holes **6H**



3-Screw Nominal Dia. Selection N (Through Hole)
4-Screw Nominal Dia. Selection N (Through Hole)
6-Screw Nominal Dia. Selection N (Through Hole)

Hole Machining Details



N (Through Hole)

Screw Nominal Dia.	3	4	5	6	8	10
d	3.5	4.5	5.5	6.5	9	11

Standard Type

Part Number	1mm Increment		T Selection		
	A	B	ACSH PCTSH PYSH	PYSH	UPSH
ACSH PCTSH PYSH PASH UPSH	20~300	20~300	0.5 1.0 1.5 2.0	0.5 1.5	1.0 2.0

T Dimension Tolerance

T	ACSH PYSH	PCTSH PASH	UPSH
0.5	±0.1		-
1.0	±0.12		-0.2~+0.5
1.5			-
2.0	±0.2		-0.2~+0.5

Pre-drilled Type

Part Number	1mm Increment	T Selection			0.5mm Increment		Screw Nominal Dia. Selection		
		A	B	ACSH PCTSH PASH	PYSH	UPSH	F	G	N (Through)
ACSH PCTSH PYSH PASH UPSH				0.5 1.0 1.5 2.0					3 4 5 6 8 10
		20~300	20~300		0.5 1.5	1.0 2.0	6~291.5 (2H, 4H) 6~145.5 (6H)	4.5~295.5 (2H) 6~291.5 (4H, 6H)	

- T1.0 and 2.0 are not available for PYSH. Use PYA on P958 instead.
- Dimension F Specification Range: For 2H and 4H, $d(d_1)+2.5 \leq F \leq A-d(d_1)-5$; for 6H, $d(d_1)+2.5 \leq F \leq (A-d(d_1)-5)/2$.
- Dimension G Specification Range: For 2H, $d(d_1)/2+2.5 \leq G \leq B-d(d_1)/2-2.5$; for 4H and 6H, $d(d_1)+2.5 \leq G \leq B-d(d_1)-5$.
- PASH and UPSH have camber caused by manufacturing process.

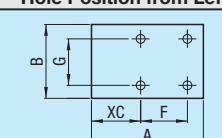
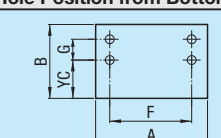
Ordering Example

Standard Type
Part Number - A - B - T
ACSH - 150 - 118 - 1.0

Pre-drilled Type
Part Number - A - B - T - F - G - Screw Nominal Dia.
ACSH2H - 50 - 25 - 1.5 - F34 - G10 - N4

Alterations

Part Number - A - B - T - F - G - Screw Nominal Dia. - (XC · YC)
ACSH4H - 200 - 180 - 0.5 - F100 - G140 - N4 - XC30

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

Pre-drilled Type Price = Standard Type Unit Price + Hole Machining Charge
(Ex.) Part Number - A - B - T - F - G - Screw Nominal Dia. >>>
ACSH2H - 100 - 80 - 0.5 - F65 - G55 - N4

(Standard Type Unit Price) + (Hole Machining Charge) = Pre-drilled Type Price

Hole Machining Charge

Pre-drilled Type	Hole Machining Charge N (Through)
2H	
4H	
6H	

Standard Type Unit Price

Part Number	T	A	Unit Price						Part Number	T	A	Unit Price					
			B									B					
			20-50	51-100	101-150	151-200	201-250	251-300				20-50	51-100	101-150	151-200	201-250	251-300
ACSH	0.5	20-50						PYSH	0.5	20-50							
		51-100								51-100							
		101-150								101-150							
		151-200								151-200							
		201-250								201-250							
		251-300								251-300							
	1.0	20-50							1.5	20-50							
		51-100								51-100							
		101-150								101-150							
		151-200								151-200							
		201-250								201-250							
		251-300								251-300							
1.5	20-50						PASH	0.5	20-50								
	51-100								51-100								
	101-150								101-150								
	151-200								151-200								
	201-250								201-250								
	251-300								251-300								
2.0	20-50							1.0	20-50								
	51-100								51-100								
	101-150								101-150								
	151-200								151-200								
	201-250								201-250								
	251-300								251-300								
PCTSH	0.5	20-50					UPSH	1.0	20-50								
		51-100								51-100							
		101-150								101-150							
		151-200								151-200							
		201-250								201-250							
		251-300								251-300							
	1.0	20-50							2.0	20-50							
		51-100								51-100							
		101-150								101-150							
		151-200								151-200							
		201-250								201-250							
		251-300								251-300							