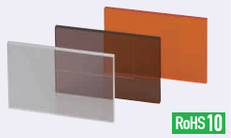
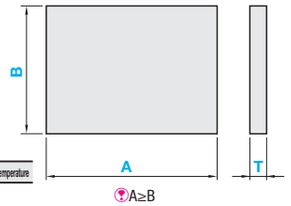
PET Plates

For antistatic thick plates used as bushing for semiconductor components / electronic components (Antistatic PET Plates), see **P.1019**.

Standard Type





Type	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

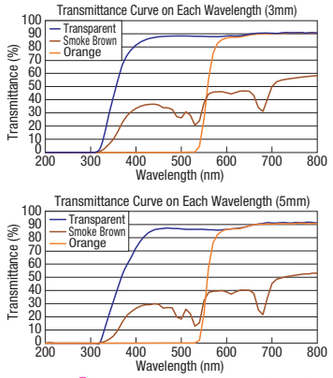
· Dimension Tolerance of A and B ±1.0

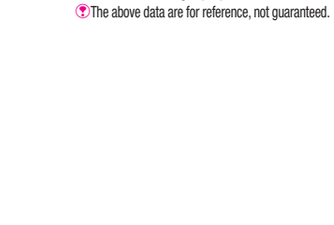
Finish	4 Sides		Upper-lower Surface	
	Drilling Method	Finish Symbol	Drilling Method	Finish Symbol
Circular Sawing	Circular Sawing	√	Material	~

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) PYTA (Antistatic, Transparent) PYBTA (Antistatic, Smoke Brown)			3, 5
Large Size			
L-PYA (Standard, Transparent) L-PYBA (Standard, Smoke Brown) L-PYDA (Standard, Orange) L-PYTA (Antistatic, Transparent) L-PYBTA (Antistatic, Smoke Brown)	1201~2000	20~1000	3, 5

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





The above data are for reference, not guaranteed.

Ordering Example

Standard Size

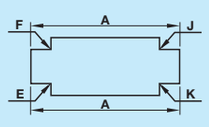
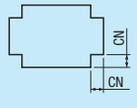
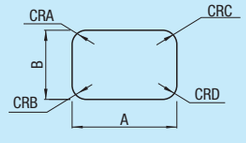
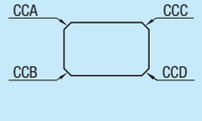
Part Number	-	A	-	B	-	T
PYA	-	1200	-	800	-	8

Large Size

Part Number	-	A	-	B	-	T
L-PYA	-	1300	-	800	-	3

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, cornersof A and D are cut by C5C 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	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%	

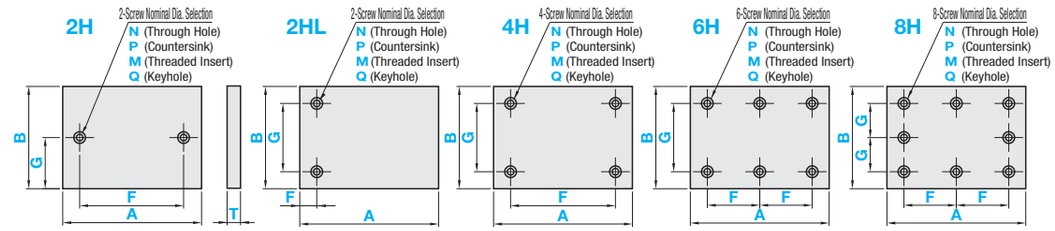
· T Dimension Tolerance

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

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

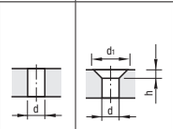
· Dimension Tolerance of A and B ±1.0

A≥B



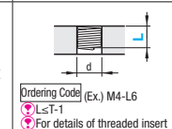
Hole Machining Details

N (Through Hole) / P (Countersink)



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	-

M (Threaded Insert)

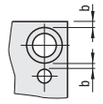


Ordering Code (Ex.) M4-L6
L≤T-1
For details of threaded insert HLTS, see **P.271**

Table 1

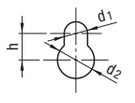
Screw Nominal Dia.	3	4
d	3.5	4.5
L	3	4
	4.5	6
	6	8

Hole Machining Conditions (N, P, M)



Nominal Dia.	b (Min. Value)
3~10	2.5

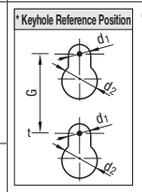
Q (Keyhole)



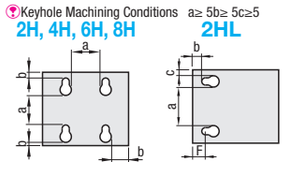
Keyhole Nominal Dia.	5	6	8
d1	6	7	9
d2	14	16	20
h	11	12	15

Use with flat washers (**P.237**) to prevent damage to the plastic.

Hole Machining Conditions Q (Keyhole)



Keyhole Machining Conditions a≥ 5b≥ 5c≥5



<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

Part Number		A	B	T Selection			F	G	Screw Nominal Dia. Selection				
									Through Hole	Countersink	Keyhole	Threaded Insert	
Type	Number of Holes	1mm Increment		PYA	PYBA	PYDA PYTA PYBTA	0.5mm Increment		N	P	Q	M	L
PYA (Standard, Transparent)	2H (Horizontal)	20~1200	20~1000	1	-	-	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	-	5 6 8	-	Select from Table 1
PYBA (Standard, Smoke Brown)	2HL (Vertical)			2	-	-			4	-		-	
PYDA (Standard, Orange)	4H			3	3	3			5	3		-	
PYTA (Antistatic, Transparent)	6H			4	4	-			6	3 4 5		3	
PYBTA (Antistatic, Smoke Brown)	8H			5	5	5			8	3 4 5 6		3 4	
				8	-	-			10	4 5 6 8		3 4	

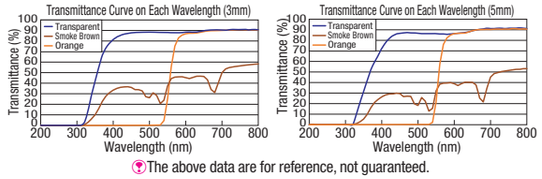
Dimension F Specification Range: For 2H and 4H: d(d1)+2.5≤F≤A-d(d1)-5; for 2HL: d(d1)/2+2.5≤F≤A-d(d1)/2-2.5; for 6H and 8H: d(d1)+2.5≤F≤(A-d(d1)-5)/2.

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

Pre-drilled

Ordering Example

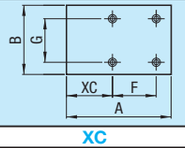
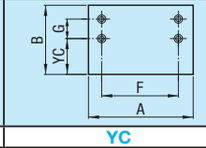
Part Number	-	A	-	B	-	T	-	F	-	G	-	Screw Nominal Dia.	-	L
PYBA4H	-	900	-	700	-	4	-	F750	-	G650	-	P4		
PYA4H	-	850	-	500	-	5	-	F450	-	G300	-	M4	-	L4



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	-	F160	-	G50	-	N6	-	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≤XC≤A-F-d(d1)/2-2.5 (6H, 8H Type) d(d1)/2+2.5≤XC≤A-2F-d(d1)/2-2.5	YC = 0.5mm Increment d(d1)/2+2.5≤YC≤B-G-d(d1)/2-2.5 Not available for 2H.