

Acrylic Plates - Economy, Curved Panels

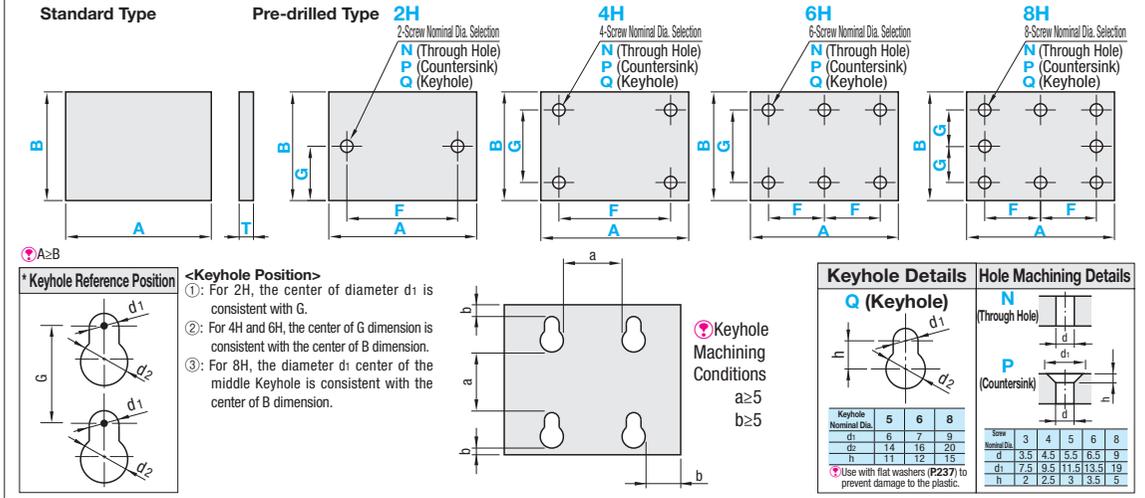
Extruded Plates

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

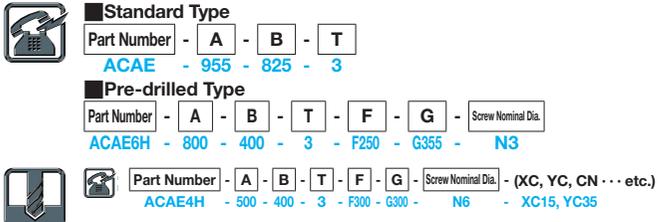
RoHS



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	300-1100	300-900	8	ACTAE	300-1100	300-900	8
ACBTAE			3	ACBTAE			3
			5				5

1mm Increment
 F: 9~1091 (2H, 4H)
 G: 5~895 (2H)
 9~891 (4H, 6H)
 9~445 (6H, 8H)
 N: 3, 4, 5, 6, 8
 P: 3, 4, 5, 6, 8
 Q: 5, 6, 8

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, $d(d1)+5 \leq F \leq A-d(d1)/2-2.5$.
 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: 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	-	-	-	-	-	-

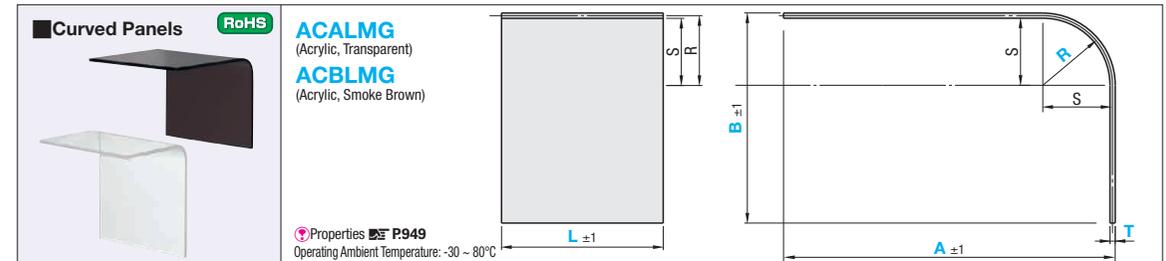
Antistatic

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	-	-	-	-	-	-

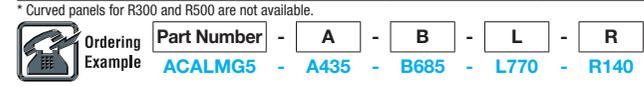
Hole Machining Charge

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

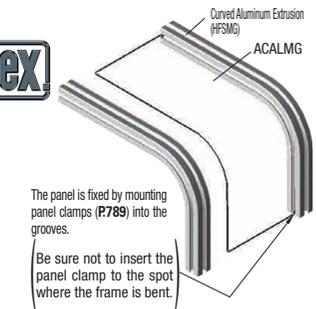
Pre-drilled Type Price = Standard Type Unit Price + Hole Machining Charge
 (Ex.) Part Number - A - B - T - F - G - Screw Nominal Dia.
 ACTAE4H - 500 - 400 - 5 - F240 - G160 - N8
 (Standard Type Unit Price) + (Hole Machining Charge) = Pre-Drilled Type Price



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



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						
			501~600	601~700	601~700						
					701~800						
			601~700	801~900	801~900						
					901~1000						



Plastic Cover Plates

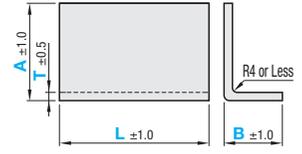
L-Shaped



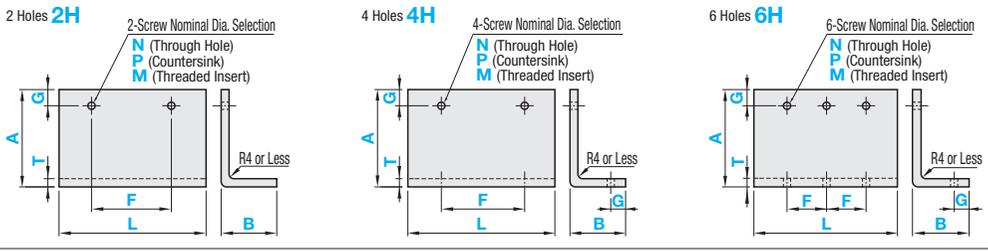
Properties P949 RoHS

Part Number	Material	Grade	Color	Light Transmittance	Operating Ambient Temperature
ACAL	Acrylic	Standard	Transparent	93%	-30~80°C
ACBL			Smoke Brown	25%	
ACTAL		Antistatic Grade	Transparent	79%	
ACBTAL			Smoke Brown	32%	
PYAL	PET	Standard	Transparent	87%	-15~55°C
PYBL			Smoke Brown	28%	
PY TAL		Antistatic Grade	Transparent	77%	
PYBTAL			Smoke Brown	30%	

Standard Type (No Hole)



Pre-drilled Type



Hole Machining Details		Threaded Insert Machining Details		
N (Through Hole)	P (Countersink)	M (Threaded Insert)		
Ordering Code (Ex.) M4-L6 * L<T-1 * For details of threaded insert HLTS, see P271. * When L-5<T, drilled holes will be blind ones.				
Table 1				
Screw Nominal Dia.				
d	3.5	4.5	5.5	6.5
d1	7.5	9.5	11.5	19
h	2	2.5	3	5

Standard Type

Part Number	1mm Increment			T Selection			
	Type	B	A	L	ACAL ACBL	PYAL PYBL	ACTAL ACBTAL PY TAL PYBTAL
ACAL (Acrylic, Standard, Transparent)	30	30	30~500	L≤Ax3 L≤Bx3	3	3	3
ACBL (Acrylic, Standard, Smoke Brown)	200	200			4	3	
ACTAL (Acrylic, Antistatic, Transparent)	100	201			5	4	
ACBTAL (Acrylic, Antistatic, Smoke Brown)					6	5	
PYAL (PET, Standard, Transparent)	200	360	8	5			
PYBL (PET, Standard, Smoke Brown)							
PY TAL (PET, Antistatic, Transparent)							
PYBTAL (PET, Antistatic, Smoke Brown)							

* Antistatic coating on the curved section may be peeled off in antistatic grade.

Pre-drilled Type

Part Number	Number of Holes	1mm Increment			T Selection			1mm Increment		Screw Nominal Dia.				
		Type	B	A	L	ACAL ACBL	PYAL PYBL	ACTAL ACBTAL PY TAL PYBTAL	F	G	Through Hole	Countersink	Threaded Insert	
ACAL (Acrylic, Standard, Transparent)	2H	30	30	30~500	L≤Ax3 L≤Bx3	3	3	3	6~491 (2H, 4H Type)	5 355	3	3	-	-
ACBL (Acrylic, Standard, Smoke Brown)		200	200			4	3	3 4 5				3	Select from Table 1	
ACTAL (Acrylic, Antistatic, Transparent)		100	201			5	3	3 4 5 6				3 4		
ACBTAL (Acrylic, Antistatic, Smoke Brown)						6	3	4 5 6				3 4 5		
PYAL (PET, Standard, Transparent)	4H	100	201	L≤Ax3 L≤Bx3	3	3	3	6~245 (6H Type)	355	3	3	-	-	
PYBL (PET, Standard, Smoke Brown)					200	360	4				3	3 4 5 6	3 4	Select from Table 1
PY TAL (PET, Antistatic, Transparent)					100	201	5				3	4 5 6	3 4 5	
PYBTAL (PET, Antistatic, Smoke Brown)							6				3	4 5 6 8	3 4 5 6	

* Antistatic coating on the curved section may be peeled off in antistatic grade.

* Dimension F Specification Range: For 2H and 4H, d+2.5≤F≤L-d-5; for 6H, d+2.5≤F≤L/2-d/2-2.5.

* Dimension G Specification Range: d/2+2.5≤G≤A(B)-T-d/2-2.5. (for 4H and 6H, the smaller size of A and B is applicable.)

Ordering Example

Standard Type
 Part Number - B - A - L - T
 ACAL - 40 - 50 - 55 - 3

Pre-drilled Type
 Part Number - B - A - L - T - F - G - Screw Nominal Dia. - L
 PYAL 4H - 50 - 80 - 100 - 5 - F76 - G15 - N5
 PYAL 4H - 100 - 120 - 200 - 5 - F160 - G20 - M4 - L4

Standard Type Unit Price

B	L	Unit Price												
		T3, T4	ACAL, ACBL	T5, T6	T8	ACTAL, ACBTAL	T3	T5	PYAL, PYBL	T4	T5	PY TAL, PYBTAL	T3	T5
30-39	30-60													
	61-90													
	91-117													
40-49	30-60													
	61-90													
	91-120													
50-59	121-147													
	30-60													
	61-90													
60-79	91-120													
	121-150													
	151-180													
80-99	181-237													
	30-60													
	61-90													
100-119	91-120													
	121-150													
	151-180													
120-149	181-210													
	211-240													
	241-270													
150-200	271-297													
	30-60													
	61-90													
120-149	91-120													
	121-150													
	151-180													
120-149	181-210													
	211-240													
	241-270													
150-200	271-300													
	301-350													
	351-400													
150-200	30-60													
	61-90													
	91-120													
150-200	121-150													
	151-180													
	181-210													
150-200	211-240													
	241-270													
	271-300													
150-200	301-350													
	351-400													
	401-500													
150-200	30-60													
	61-90													
	91-120													
150-200	121-150													
	151-180													
	181-210													
150-200	211-240													
	241-270													
	271-300													
150-200	301-350													
	351-400													
	401-500													
150-200	451-500													

Hole Machining Charge

Pre-drilled Type	Hole Machining Charge		
	N (Through)	P (Countersink)	M (Threaded Insert)
2H			
4H			
6H			

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

(Ex.) Part Number - B - A - L - T - F - G - Screw Nominal Dia. - L
 ACBL 2H - 65 - 150 - 80 - 5 - F50 - G20 - N6 - XC10
 (Standard Type Unit Price) + (Hole Machining Charge) = Pre-drilled Type Price



Alterations Part Number - B - A - L - T - F - G - Screw Nominal Dia. - L - (XC)
 ACBL 2H - 65 - 150 - 80 - 5 - F50 - G20 - N6 - XC10

