

# 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

**Standard Type**

**Pre-drilled Type 2H**  
2-Screw Nominal Dia. Selection

N (Through Hole)  
P (Countersink)  
Q (Keyhole)

**4H**  
4-Screw Nominal Dia. Selection

N (Through Hole)  
P (Countersink)  
Q (Keyhole)

**6H**  
6-Screw Nominal Dia. Selection

N (Through Hole)  
P (Countersink)  
Q (Keyhole)

**8H**  
8-Screw Nominal Dia. Selection

N (Through Hole)  
P (Countersink)  
Q (Keyhole)

**Keyhole Details**

**Q (Keyhole)**

**Hole Machining Details**

**N (Through Hole)**

**P (Countersink)**

| 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 |                  |               |           |   |
| ACTAE         | 3             | 5         | 3 | ACTAE            | 3             | 5         | 3 |
| ACBTAE        |               |           | 5 |                  |               |           |   |

- 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.)



**Standard Type**  
 Part Number - **A** - **B** - **T**  
 ACAE - 955 - 825 - 3

**Pre-drilled Type**  
 Part Number - **A** - **B** - **T** - **F** - **G** - Screw Nominal Dia.  
 ACAE6H - 800 - 400 - 3 - F250 - G355 - N3



Part Number - **A** - **B** - **T** - **F** - **G** - Screw Nominal Dia. - (XC, YC, CN ... etc.)  
 ACAE4H - 500 - 400 - 3 - F300 - G300 - N6 - XC15, YC35

| 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        | F□□, E□□, J□□, K□□   | CN  | CRA, CRB, CRC, CRD  | CCA, CCB, CCC, CCD  | XC  | YC  |
| Spec.       | Machines relief for blind joints of aluminum extrusions.<br>Margin against thermal expansion of the plate is not taken into account.<br>Longitudinal direction of notching is all on A dimension side.<br>Ordering Code: F S G<br>Extrusion Type<br>Joint Type<br>Notching Position (See the diagram above)<br>Available for Standard Type only. | CN=1mm Increment<br>Machines relief at four corners.<br>$5 \leq CN \leq 50$<br>Ordering Code: CN=25 ... CN25<br>Available for Standard Type only. | Adds radius to any corner.<br>$R = 5\text{mm Increment}$<br>$10 \leq (A/B) \cdot R(2R)$<br>$5 \leq CRA, CRB, CRC, CRD \leq 100$<br>Ordering Code: (Ex.) Adds R10 at the corner of A and C. CRA10-CRC10<br>Available for Standard Type only. | Cuts any corners.<br>$5 \leq \text{Corner Cut} \leq 50$<br>5mm Increment<br>Ordering Code: (Ex.) When the corners of A and D are cut by C5 → CCA5-CCD5<br>Available for Standard Type only. | XC = 1mm Increment<br>$5 \leq XC \leq 1086$<br>(2H, 4H Type)<br>$d(d1)/2+2.5 \leq XC \leq A-F-d(d1)/2-2.5$<br>(6H, 8H Type)<br>$d(d1)/2+2.5 \leq XC \leq A/2-F-d(d1)/2-2.5$ | YC = 1mm Increment<br>$5 \leq YC \leq 886$<br>(4H, 6H Type)<br>$d(d1)/2+2.5 \leq YC \leq B-G-d(d1)/2-2.5$<br>(8H Type)<br>$d(d1)/2+2.5 \leq YC \leq B/2-G-d(d1)/2-2.5$<br>Not available for 2H. |

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