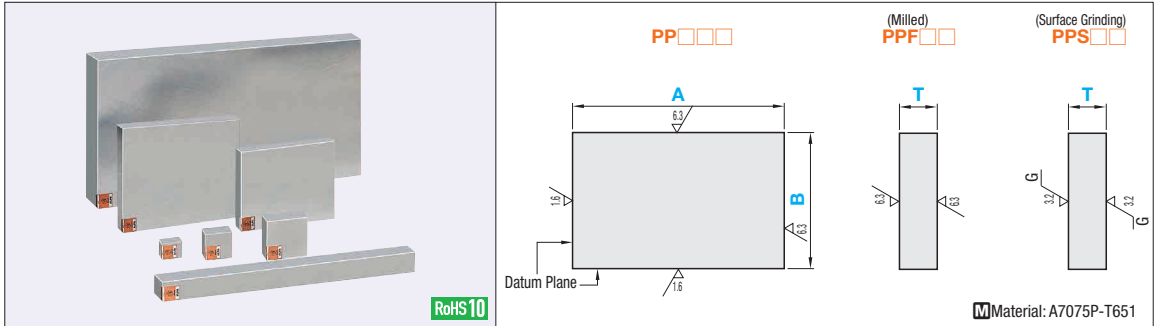


# Configurable Plates - Extra Super Duralumin

A7075P (Al-Zn-Mg Aluminum Alloy)



| Part Number |                            | 0.5mm Increment                                  |  |  |                   |                |              |
|-------------|----------------------------|--|--|--|-------------------|----------------|--------------|
| Type        | Upper-Lower Surface Finish | ① Plate Thickness Tolerance                      | ② A, B Dimension Tolerance                   |  | T                 |                |              |
|             |                            | Selection  | Selection                                    |  |                   |                |              |
| Standard    | <b>PP</b>                  | <b>F (Milled)</b><br><b>S (Surface Grinding)</b> | <b>P</b><br><b>Q</b><br><b>N</b><br><b>M</b> | <b>P</b><br><b>Q</b><br><b>N</b><br><b>M</b> | <b>A</b> <b>B</b> | <b>T</b>       |              |
|             |                            |  |  |  | <b>A=B</b>        |                |              |
|             |                            |  |  |  | <b>25~ 500</b>    | <b>10~ 300</b> | <b>5~ 50</b> |

### ① Plate Thickness Tolerance

| Upper-Lower Surface Finish  | A, B Length     | P         | Q      | N     | M      |
|-----------------------------|-----------------|-----------|--------|-------|--------|
| <b>F (Milled)</b>           | 550mm or Less   | +0.1~+0.3 | 0~+0.2 | ±0.1  | -0.2-0 |
|                             | 550.5mm or More | +0.1~+0.4 | 0~+0.3 | ±0.15 | -0.3-0 |
| <b>S (Surface Grinding)</b> |                 | +0.1~+0.2 | 0~+0.1 | ±0.05 | -0.1-0 |

### ② A, B Dimension Tolerance

| Upper-Lower Surface Finish  | A, B Length     | P         | Q      | N     | M      |
|-----------------------------|-----------------|-----------|--------|-------|--------|
| <b>F (Milled)</b>           | 250mm or Less   | +0.1~+0.3 | 0~+0.2 | ±0.1  | -0.2-0 |
| <b>S (Surface Grinding)</b> | 250.5mm or More | +0.1~+0.6 | 0~+0.5 | ±0.25 | -0.5-0 |

### Precision Standards

| Item                              | Upper-Lower Surface Finish (Max. Value) |                      |
|-----------------------------------|---|----------------------|
|                                   | F (Milled)                              | S (Surface Grinding) |
| Thickness Parallelism (per 100mm) | T3~ 6.5                                 | 0.025                |
|                                   | T7~ 12.5                                | 0.05                 |
|                                   | T13~ 15.5                               | 0.05                 |
|                                   | T16~ 20.5                               | 0.07                 |
|                                   | T21~ 50                                 | 0.1                  |
| Flatness (per 100mm)              | T3~ 8.5                                 | 0.15                 |
|                                   | T9~ 12.5                                | 0.13                 |
|                                   | T13~ 20.5                               | 0.12                 |
|                                   | T21~ 50                                 | 0.1                  |
| Perpendicularity of Datum Plane   | 0.015 per 100mm                         |                      |
| Circumference Chamfering          | Standard C0.3 or Less                   |                      |



Ordering Example



Alterations



Part Number - **A** - **B** - **T** - (CSC, CBC, CCA...etc.)  
**PPFNM** - **300** - **280** - **20** - **CSC**

| Alterations   | Circumference Chamfering  |   | Corner Cut                |           |                |      |          |              |           |            |  |               |  |      |      |       |       |       |       |
|---------------|---|---|---------------------------|-----------|----------------|------|----------|--------------|-----------|------------|--|---------------|--|------|------|-------|-------|-------|-------|
|               |   |   |                           |           |                |      |          |              |           |            |  |               |  |      |      |       |       |       |       |
| <b>Code</b>   | <b>CSC</b>  | (See below)   | <b>CCA, CCB, CCC, CCD</b> |           |                |      |          |              |           |            |  |               |  |      |      |       |       |       |       |
| <b>Spec.</b>  | Reduce the circumference chamfering dimension.<br>Standard C0.3 or Less → C0.1 or Less<br>Ⓢ Applicable to Standard Size only. | Increase the circumference chamfering dimension.<br><table border="1"> <thead> <tr> <th>Size</th> <th>Standards</th> <th>Modified Value</th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>Standard</td> <td>C0.3 or Less</td> <td>C0.5~C1.0</td> <td><b>CBC</b></td> </tr> </tbody> </table> | Size                      | Standards | Modified Value | Code | Standard | C0.3 or Less | C0.5~C1.0 | <b>CBC</b> | Cuts any corners.<br>1≤ Corner Cut ≤50: 1mm Increment<br>$C \leq \frac{A}{2}, \frac{B}{2}$<br>Ordering Code<br>(Ex.)When the corners of A and D are cut by C5,<br>→ CCA5-CCD5<br><table border="1"> <thead> <tr> <th colspan="2">1mm Increment</th> </tr> </thead> <tbody> <tr><td>1~ 5</td></tr> <tr><td>6~10</td></tr> <tr><td>11~20</td></tr> <tr><td>21~30</td></tr> <tr><td>31~40</td></tr> <tr><td>41~50</td></tr> </tbody> </table> | 1mm Increment |  | 1~ 5 | 6~10 | 11~20 | 21~30 | 31~40 | 41~50 |
| Size          | Standards   | Modified Value  | Code                      |           |                |      |          |              |           |            |  |               |  |      |      |       |       |       |       |
| Standard      | C0.3 or Less  | C0.5~C1.0   | <b>CBC</b>                |           |                |      |          |              |           |            |  |               |  |      |      |       |       |       |       |
| 1mm Increment |   |   |                           |           |                |      |          |              |           |            |  |               |  |      |      |       |       |       |       |
| 1~ 5          |   |   |                           |           |                |      |          |              |           |            |  |               |  |      |      |       |       |       |       |
| 6~10          |   |   |                           |           |                |      |          |              |           |            |  |               |  |      |      |       |       |       |       |
| 11~20         |   |   |                           |           |                |      |          |              |           |            |  |               |  |      |      |       |       |       |       |
| 21~30         |   |   |                           |           |                |      |          |              |           |            |  |               |  |      |      |       |       |       |       |
| 31~40         |   |   |                           |           |                |      |          |              |           |            |  |               |  |      |      |       |       |       |       |
| 41~50         |   |   |                           |           |                |      |          |              |           |            |  |               |  |      |      |       |       |       |       |