# Epoxy Glass Plates

## Standard / High Temperature Grade

Epoxy Glass has high strength and excels in heat resistance and moisture resistance.
Standard Type excels in insulation and High Temperature Grade in antistatic effect.

**Epoxy Glass Plates –
Standard / High Temperature Grade**

RoHS10

- Properties **P.3066**
- High Temperature Grade EPXAR excels in antistatic effect.

| Type | Grade | Color | Operating Ambient Temperature |
|---|---|---|---|
| EPXA | Standard | Green | Ambient Temperature ~155°C |
| EPXAR | High Temp. | Black | Ambient Temperature ~260°C |

| Finish | 4 Sides | | Top / Bottom | |
|---|---|---|---|---|
| | Drilling Method | Finish Symbol | Drilling Method | Finish Symbol |
| Circular Cut | Circular Cut | √ | Material | — |

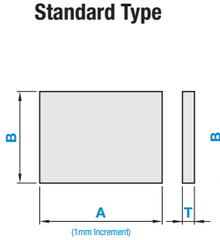
### T Dimension Tolerance, Rate of Camber & Torsion

| T | T Dimension Tolerance | | Rates of Camber & Torsion |
|---|---|---|---|
| | EPXA | EPXAR | per 1,000 mm |
| 3 | ±0.30 | ±0.1 | 1.2% or Less |
| 4 | ±0.40 | | |
| 5 | ±0.55 | | 1.0% or Less |
| 6 | ±0.60 | | |
| 8 | ±0.70 | | 0.6% or Less |
| 10 | ±0.80 | | 0.5% or Less |
| 12 | ±0.90 | — | |
| 15 | ±1.10 | | 0.4% or Less |
| 20 | ±1.30 | | 0.2% or Less |

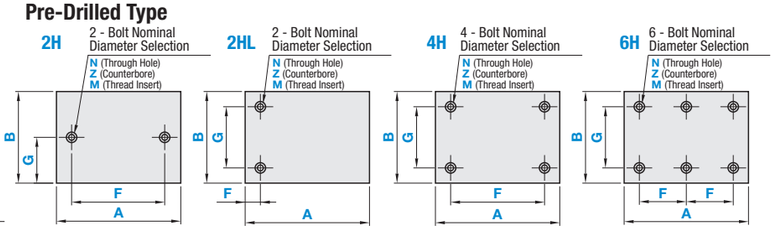
### Dimension Tolerance of A & B

| A / B | A / B Dimension Tolerance |
|---|---|
| Unit: mm | |
| ~99 | ±0.5 |
| 100–250 | ±0.75 |
| 251~ | ±1.0 |

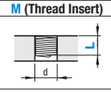
### Standard Type




### Pre-Drilled Type




- A≥B **Material:** Epoxy Glass

| Drilling Details | | Thread Insert Machining Details |
|---|---|---|
| N (Through hole) | Z (Counterbore Hole) | M (Thread Insert) |
|  |  |  |

| Bolt Nominal Dia. | 3 | 4 | 5 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|
| d | 3.5 | 4.5 | 5.5 | 6.5 | 9 | 11 |
| $d_1$ | 6.5 | 8 | 9.5 | 11 | 14 | — |
| h | 4 | 5 | 6 | 7 | 9 | — |

**Table 1**

| Bolt Nominal Dia. | 3 | 4 | 5 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|
| d | 3.5 | 4.5 | 5.5 | 6.5 | 9 | 11 |
| L | 3 | 4 | 5 | 6 | 8 | 10 |
| | 4.5 | 6 | 7.5 | 9 | 12 | 15 |
| | 6 | 8 | 10 | 12 | 16 | 20 |

**Ordering Code:** (Ex.) M4–L6 L≤T-1
For more information on Thread Insert HLTS, **P.2461**

- When L+5<T, drilled holes will be blind ones.

### Standard Type

| Part Number / Type | A | B | T |
|---|---|---|---|
| | 1 mm Increment | | Selection |
| EPXA Standard | 20–800 | 20–600 | 3 4 5 6 8 10 12 15 20 |
| EPXAR High Temperature | | | 3 4 5 6 8 10 |

### Pre-Drilled Type

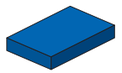
| Part Number | | A | B | T Selection | | F | G | Pre-Drilled Hole Nominal Diameter | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Through Hole | Counterbore Hole | Thread Insert | |
| Type | Nominal | 1 mm Increment | | EPXA | EPXAR | 0.5 mm Increment | | N | Z | M | L |
| EPXA Standard | 2H (Horizontal) | 20–800 | 20–600 | 3 | 3 | 6–791.5 (2H, 4H) | 4.5–595.5 (2H) | 3 | — | — | Select from Table 1 |
| | | | | 4 | 4 | | | | — | — | |
| | 2HL (Vertical) | | | 5 | 5 | 4.5–795.5 (2HL) | | 4 | — | 3 4 | |
| | | | | 6 | 6 | | | 5 | 3 | 3 4 5 6 | |
| | 4H | | | 8 | 8 | | | 6 | 3 4 5 | 3 4 5 6 8 | |
| EPXAR High Temperature | 6H | | | 10 | 10 | | 6–591.5 (2HL, 4H, 6H) | 8 | 4 5 6 | 3 4 5 6 8 10 | |
| | | | | 12 | — | 6–395.5 (6H) | | 10 | 4 5 6 8 | 3 4 5 6 8 10 | |
| | | | | 15 | — | | | | 4 5 6 8 | 3 4 5 6 8 10 | |
| | | | | 20 | — | | | | 4 5 6 8 | 3 4 5 6 8 10 | |

- Dimension F Specification Range: For 2H and 4H, $d(d_1)+2.5 \le F \le A-d(d_1)-5$; for 2HL, $d(d_1)/2+2.5 \le F \le A-d(d_1)/2-2.5$; for 6H, $d(d_1)+2.5 \le F \le (A-d(d_1)-5)/2$.
- Dimension G Specification Range: For 2H, $d(d_1)/2+2.5 \le G \le B-d(d_1)/2-2.5$; for 2HL, 4H and 6H, $d(d_1)+2.5 \le G \le B-d(d_1)-5$. (d for through hole and threaded insert, $d_1$ for counterbore)
- For Pre-drilled Type, select N (through hole) or Z (counterbore hole); for Threaded Insert Type, select M (threaded insert) or L (insertion length).



Epoxy Glass Plates

## Standard / High Temperature Grade, *continued*


Saw Cut

Transparent Resin / Glass / Mirror / Engineered Plastic Plates

### Part Number Example

**Standard Type**

| Part Number | - | A | - | B | - | T |
|---|---|---|---|---|---|---|
| EPXAR | - | 100 | - | 55 | - | 10 |

**Pre-Drilled Type**

| Part Number | - | A | - | B | - | T | - | F | - | G | - | Bolt Nominal Diameter | - | L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EPXA4H | - | 200 | - | 150 | - | 5 | - | F160 | - | G120 | - | N6 | | |
| EPXA4H | - | 400 | - | 300 | - | 15 | - | F300 | - | G100 | - | M5 | - | L10 |

### Part Number Alterations

| Part Number | - | A | - | B | - | T | - | F | - | G | - | Bolt Nominal Diameter | - | (XC / YC) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BLA2H | - | 50 | - | 40 | - | 5 | - | F10 | - | G20 | - | N3 | - | XC10 |

| Alterations | Hole Position from Left | Hole Position from Bottom |
|---|---|---|
| |  |  |
| Code | XC | YC |
| Spec. | XC = 0.5 mm Increment<br>(2H, 4H Type) $d(d_1)/2+2.5 \le XC \le A-F-d(d_1)/2-2.5$<br>(6H Type) $d(d_1)/2+2.5 \le XC \le A-2F-d(d_1)/2-2.5$ | YC = 0.5 mm Increment<br>$d(d_1)/2+2.5 \le YC \le B-G-d(d_1)/2-2.5$<br>Not available for 2H |