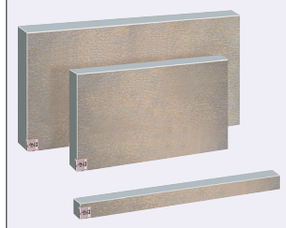
High Precision Aluminum Cut Plates

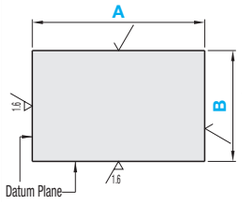
A5052P (Aℓ-Mg Aluminum Alloy)

Precision Cutting



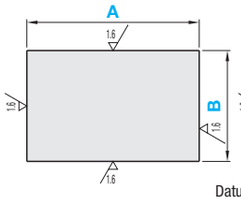
RoHS

PHE (Economy)



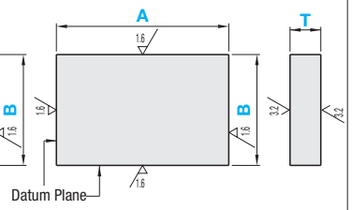
- 2-Side Sawing, 2-Side Precision Cutting
- Perpendicularity of datum plane is guaranteed.

PHX (Standard Grade)



- 4-Side Precision Cutting
- Perpendicularity of datum plane is NOT guaranteed.
- A, B Dimension Tolerance Accuracy

PHT (Precision Grade)



- 4-Side Precision Cutting
- Perpendicularity of datum plane is guaranteed.
- A, B Dimension Tolerance Accuracy

MMaterial: A5052P-H112

Part Number		A	B	T Selection
		A≥B		
Economy	PHE	500~2500 (1mm Increment)	20~1500 (1mm Increment)	4, 5, 6, 8, 10, 12, 15, 20, 25, 30, 35, 40, 45, 50
Standard Grade	PHX	500~2500 (0.1mm Increment)	20~1500 (0.1mm Increment)	
Precision Grade	PHT			

■Tolerance

■A, B Dimension Tolerance

Part Number	A, B Dimension	Fixed
PHE	20~2500	0~+1.0
PHX	20~199.9	±0.1
	200~399.9	±0.15
	400~799.9	±0.2
	800~2500	±0.25
PHT	20~199.9	±0.05
	200~399.9	±0.06
	400~799.9	±0.08
	800~1249.9	±0.1
	1250~2500	±0.12

■Plate Thickness Tolerance

T	4, 5, 6	8, 10, 12	15	20	25, 30, 35, 40, 45, 50
Tolerance	±0.04	±0.05	±0.08	±0.10	±0.15

■Precision Standards

(Max. Value)

Item	PHX	PHE, PHT
Flatness (per 1,000mm)	0.4mm	
Perpendicularity of Datum Plane (per 100mm)	Reference Value (0.02)	0.015

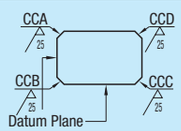
Burr is removed.

Ordering Example: Part Number - A - B - T

PHX - 630.5 - 121 - 10

Alterations: Part Number - A - B - T -(CCA···etc.)

PHX - 630.5 - 250.5 - 10 - CCA30 - CCC50

Alterations	Corner Cut		
	Applicable Size A, B 1000mm or Less		
Code	CCA, CCB, CCC, CCD		
Spec.	Cuts any corners. 1≤ Corner Cut ≤100: 1mm Increment C≤ A/2, B/2 Ordering Code (Ex.)When the corners of A and D are cut by C5, ···CCA5-CCD5		1mm Increment 1~10 11~20 21~30 31~40 41~50 51~60 61~70 71~80 81~90 91~100

(In the Case of PHX) (Ex.) For PHX-1560.3-300-10

A Dimension X Area Unit Price = Price

(In the Case of PHE, PHT) (Ex.) For PHE-1560.3-300-10

A Dimension X Area Unit Price X Finishing Multiplier = Price

Part Number	PHE (Finishing Multiplier)	PHT (Finishing Multiplier)	A	B \ T	4	5	6	8	10	12	15	20	25	30	35	40	45	50
PHE (Price in the Table x Multiplier)	0.83	1.17	500~700	20~30														
			700.1~1000															
			1000.1~1450															
			1450.1~1600															
			1600.1~2000															
			2000.1~2500															
PHX (Price in the Table)	0.84	1.16	500~700	30.1~50														
			700.1~1000															
			1000.1~1450															
			1450.1~1600															
			1600.1~2000															
			2000.1~2500															
PHT (Price in the Table x Multiplier)	0.84	1.16	500~950	50.1~100														
			950.1~1250															
			1250.1~1500															
			1500.1~2150															
			2150.1~2500															
	0.85	1.15	500~900	100.1~150														
			900.1~1400															
			1400.1~2150															
			2150.1~2500															
	0.85	1.15	500~850	150.1~200														
			850.1~1350															
			1350.1~2500															
	0.86	1.14	500~800	200.1~250														
			800.1~1300															
			1300.1~2500															
	0.86	1.14	500~750	250.1~300														
			750.1~1300															
			1300.1~2500															
	0.87	1.13	500~700	300.1~350														
			700.1~1250															
			1250.1~2500															
	0.87	1.13	500~650	350.1~400														
			650.1~1200															
			1200.1~2500															
	0.88	1.12	500~600	400.1~450														
			600.1~1100															
			1100.1~2500															
	0.88	1.12	500~550	450.1~500														
			550.1~1100															
			1100.1~2500															
	0.89	1.1	500.1~1050	500.1~550														
			1050.1~1550															
			1550.1~2500															
	0.89	1.1	550.1~1000	550.1~600														
			1000.1~1550															
			1550.1~2500															
	0.9	1.09	600.1~900	600.1~650														
			900.1~1700															
			1700.1~2500															
	0.9	1.09	650.1~900	650.1~700														
			900.1~1100															
			1100.1~2150															
			2150.1~2500															
	0.91	1.08	700.1~850	700.1~750														
			850.1~1100															
			1100.1~1700															
			1700.1~2500															
	0.91	1.08	750.1~1050	750.1~800														
			1050.1~1700															
			1700.1~2500															
	0.92	1.07	800.1~1200	800.1~850														
			1200.1~1950															
			1950.1~2500															
	0.92	1.07	850.1~1650	850.1~900														
			1650.1~2500															
	0.93	1.06	900.1~1650	900.1~950														
			1650.1~2500															
	0.93	1.06	950.1~1650	950.1~1000														
			1650.1~2500															
	0.94	1.05	1000.1~1650	1000.1~1050														
			1650.1~2500															
	0.94	1.05	1050.1~1650	1050.1~1100														
			1650.1~2500															
	0.95	1.04	1100.1~1650	1100.1~1150														
			1650.1~2500															
	0.95	1.04	1150.1~1650	1150.1~1200														
			1650.1~2500															
	0.96	1.03	1200.1~1750	1200.1~1250														
			1750.1~2500															
	0.96	1.03	1250.1~1800	1250.1~1300														
			1800.1~2500															
	0.97	1.02	1300.1~2000	1300.1~1350														
			2000.1~2500															
	0.97	1.02	1350.1~2000	1350.1~1400														
			2000.1~2500															
	0.98	1.01	1400.1~2000	1400.1~1450														
			2000.1~2500															
	0.98	1.01	1450.1~2000	1450.1~1500														
			2000.1~2500															