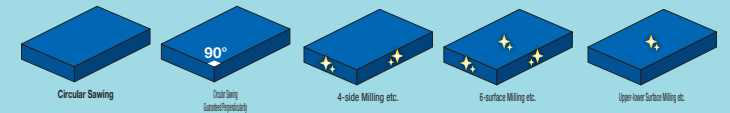


PEEK Plates

Standard / Sliding / Conductive Grade



PEEK is a super Engineered Plastic with a variety of excellent features including high heat and chemical resistance. New finish variations are now available in addition to the conventional circular saw cuts.

* For Details of color samples and features, see P951.

Standard Type



Properties P.953 RoHS10

Type	Grade	Color	Operating Ambient Temperature	Dimension Tolerance of A and B		T Dimension Tolerance, Rate of Camber and Torsion				
				A, B Unit: mm	A, B Dimension Tolerance	T	T Dimension Tolerance			Rate of Camber and Torsion
PKA	Standard	Ash Brown	-50~250°C	~99	±0.5	5, 8, 10	0~+1.1	0~+1.1	0~+1.1	1.2% or Less
PKAH	Sliding	Black	Ambient Temperature - 250°C	100~250	±0.75	16, 20	0~+1.7	-	-	0.8% or Less
PKCA	Electrical Conductivity	Black		251~	±1.0	25	0~+1.7	-	-	0.8% or Less

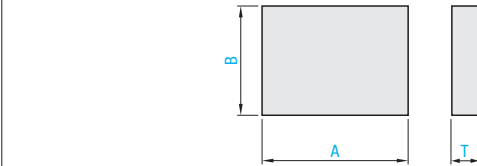
The material is not filled with glass fiber.

Finish	4 Sides		Upper-lower Surface	
	Drilling Method	Finish Symbol	Drilling Method	Finish Symbol
Circular Sawing	Circular Sawing	✓	Material	~
Guaranteed Perpendicularity of Circular Saw Cuts (NT)	Circular Sawing	✓	Material	~
4-side Milling etc. (4F)	Milling etc.	63/✓	Material	~
6-surface Milling etc. (6F)	Milling etc.	63/✓	Milling etc.	63/✓
Upper-lower Surface Milling etc. (2F)	Circular Sawing	✓	Milling etc.	63/✓

Precision Guarantee

Finish	Width Parallelism		Perpendicularity of Reference Plane	
	per 100mm		per 100mm	
Guaranteed Perpendicularity of Circular Saw Cuts(NT)				
4-side Milling etc. (4F)	0.1		0.1	
6-surface Milling etc. (6F)				

Reference plane stickers are attached to 4-side milled plates.



A≥B Material: PEEK

Standard Type

Type	Finish Selection	T Dimension Tolerance	A, B Dimension Tolerance			Dimension Range by Material	A	B	T		
			Q	N	M						
Circular Sawing	-	Not available	Not available			PKA	1mm Increment		Selectable		
			20~300		20~200		5, 8, 10				
			20~250		20~150		16, 20, 25				
Guaranteed Perpendicularity of Circular Saw Cuts (NT)	NT	Not available	T5, 8, 10 T16, 20 T25			PKA	0.1mm Increment		Selectable		
			Q	0~+0.3	0~+0.4		0~+0.5	20~300		20~200	5, 8, 10
			N	±0.2	±0.3		±0.4	20~250		20~150	16, 20, 25
4-side Milling etc. (4F)	4F	Not available	Q	0~+0.2		PKA	0.1mm Increment		Selectable		
			N	±0.1			10~300	10~200		5, 8, 10	
			M	-0.2~0			10~250	10~150		16, 20	
6-surface Milling etc. (6F)	6F	Not available	Q	0~+0.2	0~+0.2	PKA	0.1mm Increment		0.1mm Increment		
			N	±0.1	±0.1		10~300	10~200		5~9	
			M	-0.2~0	-0.2~0		10~250	10~150		9.1~19	
Upper-lower Surface Milling etc. (2F)	2F	Not available	Q	0~+0.2		PKA	1mm Increment		0.1mm Increment		
			N	±0.1			20~250	20~150		5~24	
			M	-0.2~0			20~250	20~150		5~9	



- Circular Sawing
- Guaranteed Perpendicularity of Circular Saw Cuts
- 4-side Milling etc.
- 6-surface Milling etc.
- Upper-lower Surface Milling etc.

Part Number	A	B	T
PKA	300	200	5
PKANTQ	200.5	100.5	10
PKA4FN	150.5	100.3	16
PKA6FMN	100.3	90.5	10.5
PKA2FQ	80	50	5



Alterations Part Number - A - B - T - (CRA... etc)
PKA - 100 - 100 - 10 - CRA10

Alterations	Corner Radius		Corner Cut	
	CRA	CRC	CCA	CCC
Code	CRB	CRD	CCB	CCD
	CRA, CRB, CRC, CRD		CCA, CCB, CCC, CCD	
Spec.	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		Cuts any corners. 5 ≤ Corner Cut ≤ 50 5mm Increment Ordering Code (Ex.) When the corners of A and D are cut by CS → CCAS-CCD5 Not applicable to 4-side milling etc. or 6-surface milling etc..	

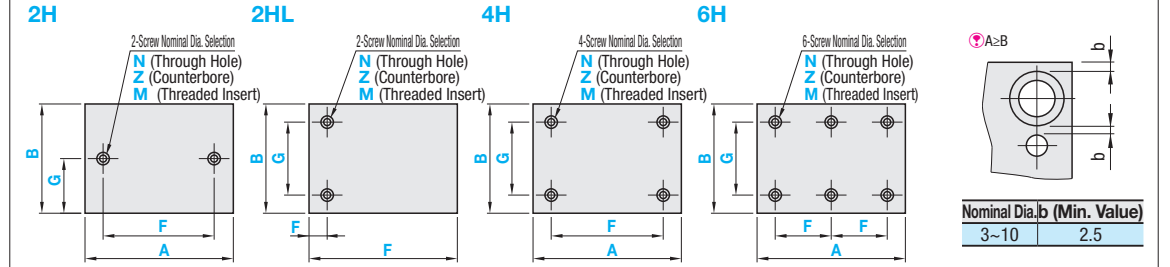
Pre-drilled Type



Properties P.953 RoHS10

Type	Grade	Color	Operating Ambient Temperature	Dimension Tolerance of A and B		T Dimension Tolerance, Rate of Camber and Torsion				
				A, B Unit: mm	A, B Dimension Tolerance	T	T Dimension Tolerance			Rate of Camber and Torsion
PKA	Standard	Ash Brown	-50~250°C	~99	±0.5	5, 8, 10	0~+1.1	0~+1.1	0~+1.1	1.2% or Less
PKAH	Sliding	Black	Ambient Temp. ~ 250°C	100~250	±0.75	16, 20	0~+1.7	-	-	0.8% or Less
PKCA	Electrical Conductivity	Black		251~	±1.0	25	0~+1.7	-	-	0.8% or Less

The material is not filled with glass fiber.



Screw Nominal Dia.	N (Through Hole)		Z (Counterbore Hole)		M (Threaded Insert)	
	d	h	d	h	d	h
3	3.5	4	3.5	4	3	4
4	4.5	5	4.5	5	4	5
5	5.5	6	5.5	6	5	6
6	6.5	7	6.5	7	6	7
8	9	11	9	11	8	10
10	11	14	11	14	10	13

Pre-drilled Type

Type	T Dimension Tolerance	Number of Holes	A, B		T Dimension Range by Material	T	F	G			
			1mm Increment	Selectable							
Circular Sawing	-	Not available	1mm Increment		PKA	5, 8, 10	0.5mm Increment	-			
			20~300						20~200	6~291.5 (2H, 4H)	4.5~195.5 (2H)
			20~250						20~150	6~145.5 (2HL, 4H, 6H)	6~191.5 (2HL, 4H, 6H)
Upper-lower Surface Milling etc.	-	Not available	1mm Increment		PKA	16, 20, 25	0.5mm Increment	-			
			20~250						20~150	6~241.5 (2H, 4H)	4.5~145.5 (2H)
			20~250						20~150	6~120.5 (2HL, 4H, 6H)	6~141.5 (2HL, 4H, 6H)

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

Alterations Part Number - A - B - T - F - G - Screw Nominal Dia. - (XC, YC)
PKA4H - 200 - 100 - 5 - F160 - G50 - N6 - XC15

Alterations	Hole Position from Left		Hole Position from Bottom	
	XC	YC	XC	YC
Code	XC		YC	
	XC = 0.5mm Increment (2H, 4H Type)		YC = 0.5mm Increment (2H, 4H Type)	
Spec.	$d(d_1)/2+2.5 \leq XC \leq A-F-d(d_1)/2-2.5$		$d(d_1)/2+2.5 \leq YC \leq B-G-d(d_1)/2-2.5$	