

PPS Plates

Standard / Abrasion Resistance Grade

■ PPS excels in heat resistance, dimension stability and chemical resistance, and is less expensive than PEEK.

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

■ PPS Plates (Standard Grade)



Ⓜ Properties P953

■ PPS Plates (Abrasion Resistance Grade)



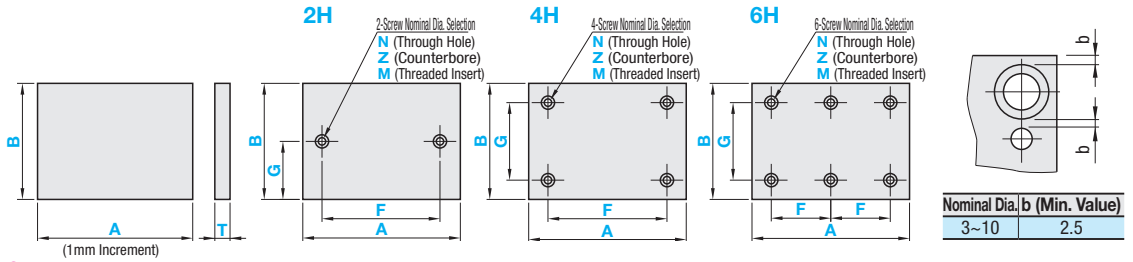
RoHS10

Type	Material / Grade	Color	Operating Ambient Temperature
NPPS	PPS / Standard	Natural Color	Ambient Temperature ~ 190°C
NPMS	PPS / Abrasion Resistance Grade - Sliding	Blue	Ambient Temperature ~ 220°C

Ⓜ PPS Standard Type generates an oxide film on the surface and the color turns to brown when it is exposed to light and heat (direct sunlight, fluorescent light, mercury lamp and high-temperature atmosphere) for long hours. However, it changes little in mechanical properties and physical properties.

■ Standard Type

■ Pre-drilled Type



Ⓜ A≥B

Hole Machining Details		M (Threaded Insert)																																																									
N (Through Hole)	Z (Counterbore Hole)	M (Threaded Insert) Details																																																									
<table border="1"> <thead> <tr> <th>Screw Nominal Dia.</th> <th>3</th> <th>4</th> <th>5</th> <th>6</th> <th>8</th> <th>10</th> </tr> </thead> <tbody> <tr> <td>d</td> <td>3.5</td> <td>4.5</td> <td>5.5</td> <td>6.5</td> <td>9</td> <td>11</td> </tr> <tr> <td>d1</td> <td>6.5</td> <td>8</td> <td>9.5</td> <td>11</td> <td>14</td> <td>-</td> </tr> <tr> <td>h</td> <td>4</td> <td>5</td> <td>6</td> <td>7</td> <td>9</td> <td>-</td> </tr> </tbody> </table>		Screw Nominal Dia.	3	4	5	6	8	10	d	3.5	4.5	5.5	6.5	9	11	d1	6.5	8	9.5	11	14	-	h	4	5	6	7	9	-	<table border="1"> <thead> <tr> <th>Screw Nominal Dia.</th> <th>3</th> <th>4</th> <th>5</th> <th>6</th> <th>8</th> <th>10</th> </tr> </thead> <tbody> <tr> <td>d</td> <td>3.5</td> <td>4.5</td> <td>5.5</td> <td>6.5</td> <td>9</td> <td>11</td> </tr> <tr> <td>L</td> <td>4.5</td> <td>6</td> <td>7.5</td> <td>9</td> <td>12</td> <td>15</td> </tr> <tr> <td></td> <td>6</td> <td>8</td> <td>10</td> <td>12</td> <td>16</td> <td>20</td> </tr> </tbody> </table>		Screw Nominal Dia.	3	4	5	6	8	10	d	3.5	4.5	5.5	6.5	9	11	L	4.5	6	7.5	9	12	15		6	8	10	12	16	20
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<p>Ordering Code (Ex.) M4-L6</p> <p>Ⓜ LsT-1</p> <p>Ⓜ When L+5<T, drilled holes will be blind ones.</p>																																																											

Finish	4 Sides		Upper-lower Surface	
	Drilling Method	Finish Symbol	Drilling Method	Finish Symbol
Circular Sawing	Circular Sawing	✓	Material	~

Ⓜ Material: PPS Polyphenylenesulfide

■ Standard Type

Part Number	A	B	T
Type	1mm Increment		Selectable
NPPS (PPS Plates - Standard Grade)	20~500	20~400	6, 10, 15, 20, 25
NPMS (PPS Plates - Abrasion Resistance, Sliding)			10, 20

• T Dimension Tolerance, Rate of Camber and Torsion

T	T Dimension Tolerance		Rates of Camber and Torsion per 1,000mm
	NPPS	NPMS	
6	0~+3	-	1.5% or Less
10	0~+1.5	-	
15	0~+4	-	
20		0~+2.5	1.0% or Less
25		-	

• Dimension Tolerance of A and B

A, B	A, B Dimension Tolerance
Unit: mm	
~99	±0.5
100~250	±0.75
251~	±1.0

■ Pre-drilled Type

Part Number	A	B	T Selection		F	G	Pre-drilled Hole Nominal Dia.				
			NPPS	NPMS			Through Hole	Counterbore Hole	Threaded Insert		
Type	Number of Holes	1mm Increment			0.5mm Increment		N	Z	M		L
NPPS (PPS Plates - Standard Grade)	2H 4H 6H	20~500	20~400	6	-	6~491.5 (2H, 4H)	4.5~395.5 (2H)	3	3	3 4 5	(Threaded Insert Length) Select from Table 1
				10	10			3 4 5 6	3 4 5 6 8		
15				-	4 5 6 8			3 4 5 6 8 10			
20				20	4 5 6 8			3 4 5 6 8 10			
NPMS (PPS Plates - Abrasion Resistance Grade, Sliding)				25	-	6~245.5 (6H)	6~391.5 (4-Hole, 6-Hole)	4 5 6 8	3 4 5 6 8 10		

Ⓜ Dimension F Specification Range : For 2H and 4H, $d(d_1)+2.5 \leq F \leq A-d(d_1)-5$; for 6H, $d(d_1)+2.5 \leq F \leq (A-d(d_1)-5)/2$.

Ⓜ Dimension G Specification Range : For 2H, $d(d_1)/2+2.5 \leq G \leq B-d(d_1)/2-2.5$; for 4H and 6H, $d(d_1)+2.5 \leq G \leq B-d(d_1)-5$.
(d for through hole and threaded insert, d1 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).



Ordering Example

■ Standard Type
Part Number - A - B - T
NPPS - 500 - 400 - 15

■ Pre-drilled Type
Part Number - A - B - T - F - G - Screw Nominal Dia. - L
NPPS4H - 240 - 130 - 15 - F150 - G40 - M8 - L12
NPMS4H - 500 - 400 - 20 - F300 - G200 - Z6