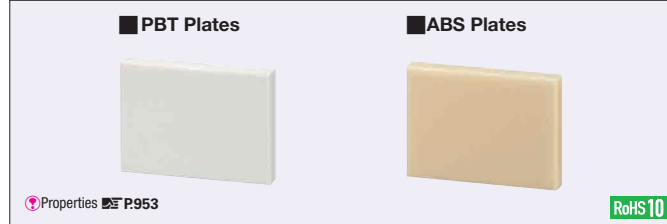


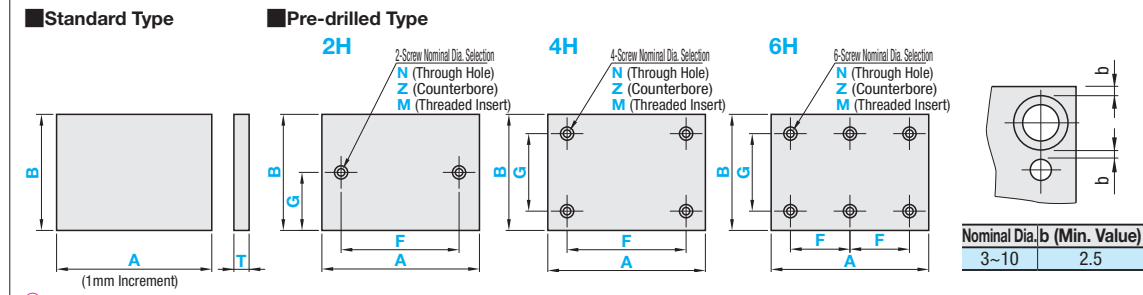
PBT Plates / ABS Plates

■ PBT excels in insulation and machinability.
 ■ ABS excels in machinability and enables adhesive work process.

* For Details of color samples and features, see P.951.



Type	Material	Color	Operating Ambient Temperature
NPBT	PBT	White	Ambient Temp. ~ 120°C
NABS	ABS	Natural Color	Ambient Temp. ~ 50°C



Hole Machining Details		Finish	
N (Through Hole)	Z (Counterbore Hole)	4 Sides	Upper-lower Surface
M (Threaded Insert)		Drilling Method	Drilling Method
Circular Sawing		Finish Symbol	Finish Symbol

Part Number	A	B	T	T Dimension Tolerance, Rate of Camber and Torsion				Dimension Tolerance of A and B	
				NPBT	NABS	NPBT	NABS	Unit: mm	Tolerance
NPBT (PBT Plates)	20~300	20~300	10, 15, 20	±0.5	-	-	-	-99	±0.5
NABS (ABS Plates)	20~500	20~400	5, 6, 8, 10, 15, 20	±0.6	1.5% or Less	1.5% or Less	1.0% or Less	100~250	±0.75

Part Number	A	B	T	F	G	Pre-drilled Hole Nominal Dia.				
						Through Hole	Counterbore Hole	Threaded Insert		
NPBT (PBT Plates)	20~300	20~300	10	6~291.5 (2H, 4H)	4.5~295.5 (2H)	3	4	5	6	8
15			6~145.5 (6H)	6~291.5 (4H, 6H)	4		5	6	8	10
20			6~145.5 (6H)	6~291.5 (4H, 6H)	4		5	6	8	10
NABS (ABS Plates)	20~500	20~400	5	6~491.5 (2H, 4H)	4.5~395.5 (2H)	3	-	3	4	5
6			3				4	5		
8			3				4	5	6	
10			3				4	5	6	8
15			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	Part Number	A	B	T	F	G	Screw Nominal Dia.	L
Standard Type	NPBT	300	200	10	-	-	-	-
Pre-drilled Type	NPBT2H	200	100	15	F50	G30	N5	L5
	NABS2H	180	100	10	F80	G60	M5	L5

Type	T	A	Unit Price					
			20	51	101	151	201	251
NPBT	10	20-50	-	-	-	-	-	-
		51-100	-	-	-	-	-	-
		101-150	-	-	-	-	-	-
		151-200	-	-	-	-	-	-
		201-250	-	-	-	-	-	-
		251-300	-	-	-	-	-	-
	15	20-50	-	-	-	-	-	-
		51-100	-	-	-	-	-	-
		101-150	-	-	-	-	-	-
		151-200	-	-	-	-	-	-
		201-250	-	-	-	-	-	-
		251-300	-	-	-	-	-	-
	20	20-50	-	-	-	-	-	-
		51-100	-	-	-	-	-	-
		101-150	-	-	-	-	-	-
		151-200	-	-	-	-	-	-
		201-250	-	-	-	-	-	-
		251-300	-	-	-	-	-	-

Pre-drilled Type	Hole Machining Charge		
	N (Through)	Z (Counterbore Hole)	M (Threaded Insert)
2H	-	-	-
4H	-	-	-
6H	-	-	-

Price Calculation Method for Pre-drilled Type
 Pre-drilled Type Price = Standard Type Unit Price + Hole Machining Charge
 (Ex.) Part Number - A - B - T - F - G - Screw Nominal Dia. >>
 NPBT2H - 300 - 200 - 10 - F200 - G100 - Z6
 (Standard Type Unit Price) + (Hole Machining Charge) = Pre-drilled Type Price

Type	T	A	Unit Price							
			20	51	101	151	201	251	301	351
NABS	5	20-50	-	-	-	-	-	-	-	-
		51-100	-	-	-	-	-	-	-	-
		101-150	-	-	-	-	-	-	-	-
		151-200	-	-	-	-	-	-	-	-
		201-250	-	-	-	-	-	-	-	-
		251-300	-	-	-	-	-	-	-	-
	6	20-50	-	-	-	-	-	-	-	-
		51-100	-	-	-	-	-	-	-	-
		101-150	-	-	-	-	-	-	-	-
		151-200	-	-	-	-	-	-	-	-
		201-250	-	-	-	-	-	-	-	-
		251-300	-	-	-	-	-	-	-	-
	8	20-50	-	-	-	-	-	-	-	-
		51-100	-	-	-	-	-	-	-	-
		101-150	-	-	-	-	-	-	-	-
		151-200	-	-	-	-	-	-	-	-
		201-250	-	-	-	-	-	-	-	-
		251-300	-	-	-	-	-	-	-	-
	10	20-50	-	-	-	-	-	-	-	-
		51-100	-	-	-	-	-	-	-	-
		101-150	-	-	-	-	-	-	-	-
		151-200	-	-	-	-	-	-	-	-
		201-250	-	-	-	-	-	-	-	-
		251-300	-	-	-	-	-	-	-	-
	15	20-50	-	-	-	-	-	-	-	-
		51-100	-	-	-	-	-	-	-	-
		101-150	-	-	-	-	-	-	-	-
		151-200	-	-	-	-	-	-	-	-
		201-250	-	-	-	-	-	-	-	-
		251-300	-	-	-	-	-	-	-	-
	20	20-50	-	-	-	-	-	-	-	-
		51-100	-	-	-	-	-	-	-	-
		101-150	-	-	-	-	-	-	-	-
		151-200	-	-	-	-	-	-	-	-
		201-250	-	-	-	-	-	-	-	-
		251-300	-	-	-	-	-	-	-	-

Alterations Part Number - A - B - T - F - G - Screw Nominal Dia. - (XC, YC, CRA ... etc.)
 NPBT - 200 - 100 - 15 - CRA10 - CRB10
 NABS4H - 200 - 200 - 8 - F100 - G140 - Z4 - XC10

Alterations	Corner Radius	Corner Cut	Hole Position from Left	Hole Position from Bottom
	 CRA, CRB, CRC, CRD	 CCA, CCB, CCC, CCD	 XC	 YC
Spec.	Adds radius to any corner. R = 5mm Increment 10 ≤ A(B)-R(2R) 5 ≤ CRA, CRB, CRC, CRD ≤ 100 (Ex.) Adds R10 at the corner of A and C. CRA10-CRC10 Applicable only when standard type circular sawing, upper-lower surface milling, etc. (2F) is selected.	Cuts any corners. 5 ≤ Corner Cut ≤ 50 5mm Increment (Ex.) When the corners of A and D are cut by C5... CCAS-CCD5 Applicable only when standard type circular sawing, upper-lower surface milling, etc. (2F) is selected.	XC = 0.5mm Increment (2H, 4H Type) $d(d_1)/2+2.5 \leq XC \leq A-F-d(d_1)/2-2.5$ (6H Type) $d(d_1)/2+2.5 \leq XC \leq A-2F-d(d_1)/2-2.5$	YC = 0.5mm Increment $d(d_1)/2+2.5 \leq YC \leq B-G-d(d_1)/2-2.5$ Not available for 2H.