Fluororesin Plates
Standard

Circular Sawing

■Fluororesin (equal to Teflon) excels in heat resistance and chemical resistance.

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

Properties P953

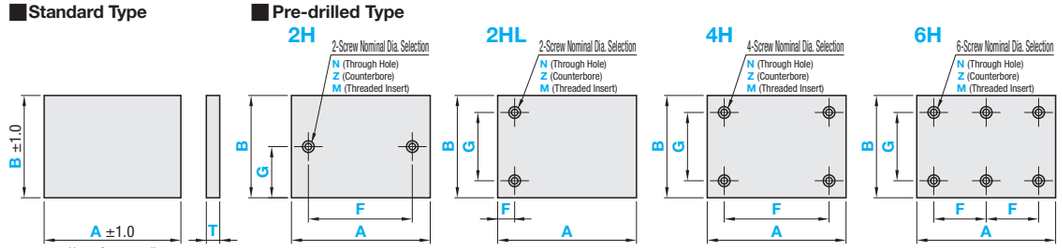
RoHS

Type	Grade	Color	Operating Ambient Temperature
PTFE	Standard	White	-40~250°C

PTFCA is available on our Website.

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

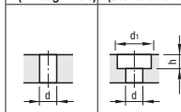
■Standard Type ■Pre-drilled Type



A≥B

Hole Machining Details

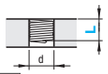
N (Through Hole) Z (Counterbore Hole)



N (Through Hole), Z (Counterbored Hole) Details

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	-

M (Threaded Insert)



Ordering Code (Ex.) M4-L6

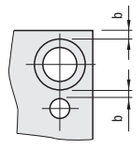
L≤T-1

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

Table 1 M (Threaded Insert) Details

Screw 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

Nominal Dia.	b (Min. Value)
3~10	2.5



M Material: Polytetrafluoroethylene Resin

■Standard Type

Part Number	A	B	T
Type	1mm Increment		Selectable
PTFE (Standard)	20~500	20~300	1, 2, 3 5, 8, 10, 15 20, 25, 30

T dimension 1 ~ 5 have large camber.

● T Dimension Tolerance, Rate of Camber and Torsion

T	T Dimension Tolerance	Rate of Camber and Torsion per 1,000mm
	PTFE	
1	±0.2	3.0% or Less
2		
3	±0.4	
5		
8	0~+1.0	1.5% or Less
10		
15	0~+2.0	1.0% or Less
20		
25		
30		

● Dimension Tolerance of A and B ±1.0

■Pre-drilled Type

Part Number		A	B	T	F	G	Pre-drilled Hole Nominal Dia.			
							Through Hole	Counterbore Hole	Threaded Insert	
Type	Number of Holes	1mm Increment		Selectable	0.5mm Increment		N	Z	M	L
PTFE (Standard)	2H (Horizontal) 2HL (Vertical) 4H 6H	20~500	20~300	1, 2, 3	6~491.5 (2H 4H) 4.5~495.5 (2HL) 6~245.5 (6H)	4.5~295.5 (2H) 6~291.5 (2HL, 4H, 6H)	3	-	-	-
				5			4	-	3 4	Select from Table 1
				8			5	3 4 5	3 4 5 6	
				10			6	4 5 6	3 4 5 6 8	
				15, 20, 25, 30			8	4 5 6 8	3 4 5 6 8 10	
							10			

Dimension F Specification Range: For 2H and 4H, d(d1)+2.5≤F≤A-d(d1)-5; for 2HL, d(d1)/2+2.5≤F≤A-d(d1)/2-2.5; for 6H, d(d1)+2.5≤F≤(A-d(d1)-5)/2.

Dimension G Specification Range: For 2H, d(d1)/2+2.5≤G≤B-d(d1)/2-2.5; for 2HL, 4H and 6H, d(d1)+2.5≤G≤B-d(d1)-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).

PTFE may have camber as it is a soft material.

Ordering Example

■Standard Type

Part Number - A - B - T

PTFE - 100 - 50 - 5

■Pre-drilled Type

Part Number - A - B - T - F - G - Screw Nominal Dia. - L

PTFE4H - 200 - 200 - 10 - F180 - G180 - Z5

PTFE2H - 230 - 130 - 25 - F80 - G50 - M8 - L12

■Standard Type Unit Price

Part Number	T	A	Unit Price B 20~50	51~100	101~150	151~200	201~250	251~300
PTFE	1	20~50		-	-	-	-	-
		51~100			-	-	-	-
		101~150				-	-	-
		151~200					-	-
		201~250						-
	2	251~300						
		301~350						
		351~400						
		401~450						
		451~500						
	3	20~50		-	-	-	-	-
		51~100			-	-	-	-
		101~150				-	-	-
		151~200					-	-
		201~250						-
	5	251~300						
		301~350						
		351~400						
		401~450						
		451~500						
	8	20~50		-	-	-	-	-
		51~100			-	-	-	-
		101~150				-	-	-
		151~200					-	-
		201~250						-
		251~300						
		301~350						
		351~400						
		401~450						
		451~500						
	10	20~50		-	-	-	-	-
		51~100			-	-	-	-
		101~150				-	-	-
		151~200					-	-
		201~250						-
		251~300						
		301~350						
		351~400						
		401~450						
		451~500						

Part Number	T	A	Unit Price B 20~50	51~100	101~150	151~200	201~250	251~300
PTFE	15	20~50		-	-	-	-	-
		51~100			-	-	-	-
		101~150				-	-	-
		151~200					-	-
		201~250						-
		251~300						
		301~350						
		351~400						
		401~450						
		451~500						
	20	20~50		-	-	-	-	-
		51~100			-	-	-	-
		101~150				-	-	-
		151~200					-	-
		201~250						-
		251~300						
		301~350						
		351~400						
		401~450						
		451~500						
	25	20~50		-	-	-	-	-
		51~100			-	-	-	-
		101~150				-	-	-
		151~200					-	-
		201~250						-
		251~300						
		301~350						
		351~400						
		401~450						
		451~500						
	30	20~50		-	-	-	-	-
		51~100			-	-	-	-
		101~150				-	-	-
		151~200					-	-
		201~250						-
		251~300						
		301~350						
		351~400						
		401~450						
		451~500						

■Hole Machining Charge

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

■Price Calculation Method for Pre-drilled Type

The prices of Pre-drilled Type and Threaded Insert Type are Standard Type Unit Price plus Hole Machining Charge or Threaded Insert Machining Charge, respectively.

(Ex.) Part Number - A - B - T - F - G - Screw Nominal Dia. >> (Standard Type Unit Price) + (Hole Machining Charge) = Pre-drilled Type Price

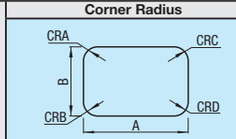
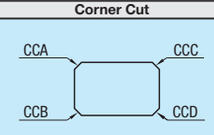
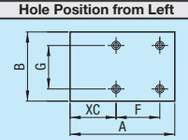
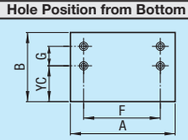
PTFE4H - 300 - 200 - 10 - F240 - G160 - N8

Alterations

Part Number - A - B - T - F - G - Scre w Nominal Dia. - (XC, YC, CRA ··· etc.)

PTFE2H - 200 - 100 - 3 - F100 - G50 - N3 - XC10

PTFE - 100 - 50 - 8 - CRA10 - CRB10

Alterations	Corner Radius	Corner Cut	Hole Position from Left	Hole Position from Bottom
				
Code	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 Ordering Code (Ex.)Adds R10 at the corner of A and C. CRA10-CRC10 Available for Standard Type only.	Cuts any corners. 5 ≤ Corner Cut ≤ 50 5mm Increment Ordering Code (Ex.) When the corners of A and D are cut by C5→ CCA5-CCD5 Available for Standard Type only.	XC = 0.5mm Increment (2H, 4H Type) d(d1)/2+2.5≤XC≤A-F-d(d1)/2-2.5 (6H Type) d(d1)/2+2.5≤XC≤A-2F-d(d1)/2-2.5	YC = 0.5mm Increment d(d1)/2+2.5≤YC≤B-G-d(d1)/2-2.5 Not available for 2H.