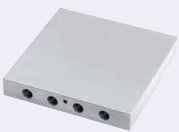


Hot Plates, Cooling Plates, Mounting Bolts for Cartridge Heaters

Features: This metal plate has a sensor hole and heater holes for heater insertion.

Hot Plates



HTPL (No Tap)
HTPLT (With Tap)

Type	Material Surface Treatment Code	Material
HTPL	A	A5052
HTPLT	S	SUS303

M1 Size Table

A	B	M1
50~100	50~100	M4x0.7 Depth 6
101~200	50~100	M5x0.8 Depth 8
101~200	101~200	M6x1.0 Depth 10

M2 Size Table

D	M2
5, 6	M3x0.5
8~16	M4x0.7
18	M5x0.8

No Tapped Holes and **With Tapped Hole** diagrams showing dimensions A, B, L, T, S, D, P, F, G, Y.

⊕ S/2+2; G ≤ T-(S/2+2) A ≥ (N-1) × P + D + 4 (N=1 With some exceptions)

Part Number	Plate			Heater Hole (Selection)		Sensor Hole (Selection)		Heater Position		Sensor Position	
	Type	Material Code	1mm Increment	D Selection	N Number of Holes	S Selection	L 1mm Increment	P 1mm Increment	Y	F 1mm Increment	G 1mm Increment
HTPL	A	50~200	50~200	5 6 8 10 12 14 16 18	1~10	1.6 2.3 3.2 4.8	10~30 10~100	8~191	6~25	4~197	4~27
HTPLT	S							⊕ When N=1, P is the distance from left end.			

- ⊕ The distance from the upper, lower or side plate end faces to the heater/sensor holes and tapped hole should be 2 mm or more.
- ⊕ The distance between all holes (between heater holes, between heater holes and sensor holes, or between heater/sensor holes and tapped holes) should be 2 mm or more.
- ⊕ M1: tapped holes (pilot holes) may go through when the T dimension is 15 mm or less.
- ⊕ It is recommended to establish the distance between heaters (P) 3 to 4 times larger than the heater diameter (D). (If the distance between heaters is too small, the heating may accumulate in the plate and heating unevenness may occur.)

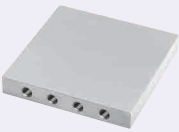
Ordering Example

Part Number - Plate - Heater Hole - Sensor Hole - Heater Position - Sensor Position

HTPLA - 200 - 200 - 30 - D5 - N6 - S1.6 - L30 - P20 - Y15 - F100 - G5

Features: Plate type terminal for water. Cool an object by running cooling water through the terminal.

Cooling Plates



HTPC

Type	Material Surface Treatment Code	Material
HTPC	S	SUS303

M1 Size Table

A	B	M1
50~100	50~100	M4x0.7 Depth 6
101~200	50~100	M5x0.8 Depth 8
101~200	101~200	M6x1.0 Depth 10

(d) Size Table

Rc (PT)	(d)
1 (1/8)	8.5
2 (1/4)	11.4

Diagram showing dimensions A, B, L, T, S, D, P, F, G, Y, Rc (PT), (d).

Part Number	Type	Material Code	1mm Increment		T	Rc (PT)	N	P
			A	B	5mm Increment	(Number of Cooler Holes)	1mm Increment	
HTPC		S	50~200	50~200	15~30 20~30	1 (1/8) 2 (1/4)	1~7	25-(A-25)

- ⊕ The distance from the upper, lower or side plate end faces to the cooler holes and tapped holes should be 2 mm or more.
- ⊕ The distance between all holes (between cooler holes, or between cooler holes and tapped holes) should be 2 mm or more.

Ordering Example

Part Number - Plate - Rc (PT) - N - P

HTPCS - 200 - 200 - 15 - R1 - N4 - P30