HEAT INSULATION SHEETS BOLT HOLE TYPE

Non JIS material definition is listed on P.1351 - 1352

RoHS

(When 1D4HT)

(When 3D4HU)

(When 5DB6HN)

Type	Part Number	Plate size A・B	T dimension tolerance 5	10	15
High strength grade	HIPXT—	A45～500 B45～500	±0.01		—
High temperature proof grade	※HIPGT—				
Standard grade	HIP—	A45～800 B45～600	±0.05		
Heat proof grade	HIPH—				
High strength grade	HIPX—				
High temperature proof grade	※HIPL—				
Bakelite (JIS PL-PEM) Grade	HIPP—		±0.4	±0.65	±0.8
Bakelite (JIS PL-FLE) Grade	HIPC—				

※HIPGT-Name of material product:Miolex PGX-595
※HIPL-Name of material product:Lossna-Board

Guide・Features P.1165
Durability data P.1331 (HIP—,HIPH—,HIPX—,HIPL—)

Part Number Type	STEP1	STEP2	STEP3	Plate size 1mm increments A	B	Selection T	STEP1 Holes for ejector rods D	STEP2 Bolt holes for insulation sheet fixation 0.5mm increments E・S	STEP3 Bolt holes for mold installation Q	STEP3 1mm increments X・Y
*HIPXT— *HIPGT— (T±0.01 Type) HIP— HIPH— HIPX— HIPL— HIPP— HIPC—	0D 1D *2D *2DA *3D *3DA *4DA *4DB *5DA *5DB	0H (No hole) 4H (4 Bolt holes) 6H (6 Bolt holes)	T (Through hole) U (U groove) N (No hole)	45～ 50	45～ 50	5	20 25	Note that minimum 8mm distance is required between the bolt holes.	11	Note that minimum 8mm distance is required between the bolt holes.
				51～100	45～100				14	
				101～150	45～150		20 25 32		16	$\sqrt{\left(\frac{E-X}{2}\right)^2+\left(\frac{S-Y}{2}\right)^2}\geqq\frac{Q}{2}+\frac{d_1}{2}+8$
				151～200	45～200		20 25 32 45 50 60 100		18	4H・6H When only and Q+8≦X≦A−(Q+8) Q+8≦Y≦B−(Q+8)
				201～250	45～250				20	
				251～300	45～300				22	
				301～350	45～350		20 25 32 45 50 60 100 110 120	4H When d1+8≦E≦A−(d1+8) d1+8≦S≦B−(d1+8)	24	When U groove type A−Q×3≦X≦A−Q Q+8≦Y≦B−(Q+8)
				351～400	45～400	10				
				401～450	45～450					
				451～500	45～500					
				501～550	45～550	*15	20 25 32 45 50 60 100 110 120 150	6H When 2×d1+16≦E≦A−(d1+8) d1+16≦S≦B−(d1+8)		
				551～600	45～600					
				601～650						
				651～700						
				701～750						
				751～800						

Designation needless for 0D.
Only 1D applicable to D100 or more.

Dimensions of A, B, and D are restricted in order to ensure the strength for ＊ marked in STEP1. (Refer to the table in the drawing)
HIPXT— and HIPGT— are A≦500, B≦500 and T≦10

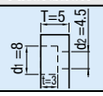
Order

Part Number	A	B	T	D	E	S	Q	X	Y
HIP—1D4HT	A420	B350	T10	D25	E360.0	S300.0	Q14	X330	Y270

Days to Ship: Quotation

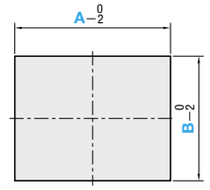
Alterations

Part Number	A	B	T	D	E	S	Q	X	Y	(ZC)
HIP—1D4HT	A420	B350	T5	D25	E360.0	S300.0	Q14	X330	Y270	ZC

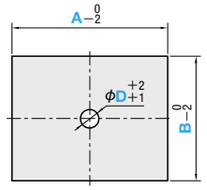
Alteration	Code	Spec.	1Code
	ZC	Changes the holes from M5 countersunk (T=5) to counterbore for M4 low head cap screw. (P.1187) d1=8, d2=4.5, t=3	Quotation

STEP1: Hole machining for ejector rods against JIS (Hole pitch is fixed.)

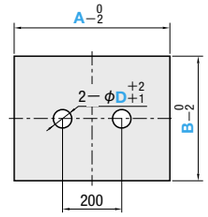
0D



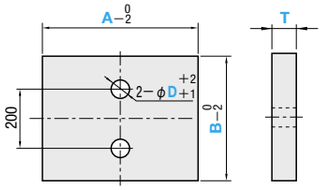
1D



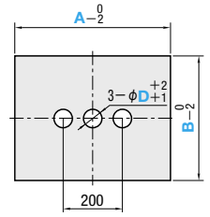
＊2D



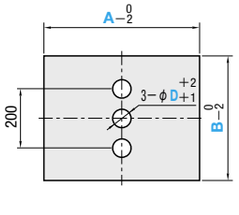
＊2DA



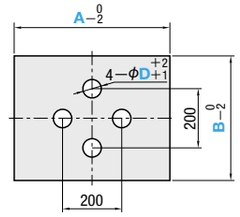
＊3D



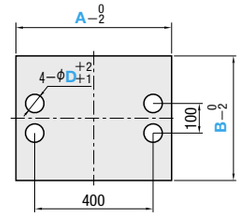
＊3DA



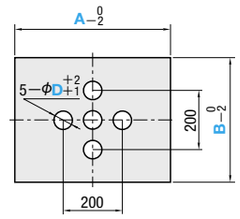
＊4DA



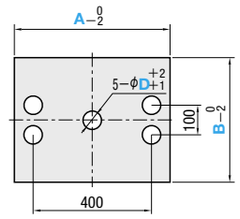
＊4DB



＊5DA



＊5DB



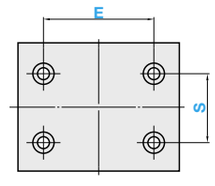
Dimensions of A, B and D are restricted for ＊ marked specifications.

	Amin.	Bmin.	Dmax.
0D・1D	Dimension Table	Dimension Table	D≦60
2D・3D	A≧D+216	B≧D+16	D≦60
2DA・3DA	A≧D+16	B≧D+216	D≦60
4DA・5DA	A≧D+216	B≧D+216	D≦60
4DB・5DB	A≧D+416	B≧D+116	D≦60

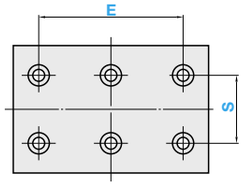
※To ensure strength, hole cannot be set on 4mm or less departing from each edge.

STEP2: Bolt hole machining for fixing insulation sheets

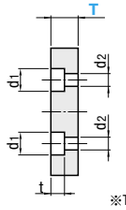
4H



6H



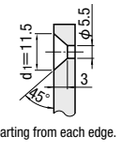
When bolt holes are not necessary, specify 0H



■Table for bolt size (Bolts P.1185)

T	d1	d2	t	Bolts (recommended)
10	11	6.5	7	CB6
15	14	9	9	CB8

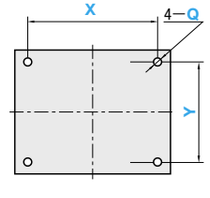
When T=5
Hole addition for flat head bolt M5.
We recommend using FB5—12.



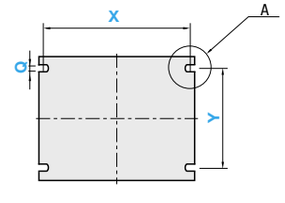
※To ensure strength, hole cannot be set on 4mm or less departing from each edge.

STEP3: Bolt hole machining for mold installation

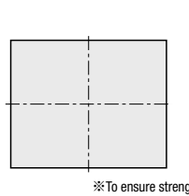
T (Through hole type)



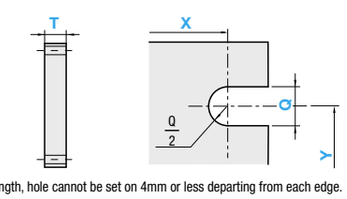
U (U groove type)



N (No hole)



Details of part A



※To ensure strength, hole cannot be set on 4mm or less departing from each edge.