

High strength  
grade

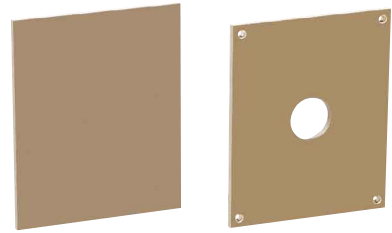
# HEAT INSULATION SHEET



For extra bolt hole processing other than 4-/6-bolt hole type, refer to

P.1181

Thickness high precision  $\pm 0.01$  type P.1175



RoHS

Type	Dimension selection type	Dimension designation type	4-hole type	6-hole type
High strength grade	HIPX	HIPXS	HIPXS-4H	HIPXS-6H

### Principal components

Main binder	Base material
Organic material (Super heat proof epoxy resin)	Glass fiber

Guide • Features P.1165  
Durability data P.1331



Price

Quotation



Alterations

Part Number — A — B — T — D — E — S — F — G — (DW...etc.)  
HIPXS-4H — A420 — B350 — T10 — D60 — E360.0 — S300.0 — DW120

Available for bolt hole type

Alterations	Code	Spec.	1Code												
	DW DDW DT DDT	DW • DT: Adds two D holes DDW • DDT: Adds three D holes DW, DDW, DT, DDT holes are located symmetrically about the center from points F and G. DW DDW DT DDT=1mm increments $D+8 \leq DW \leq A-(D+16)$ $(D \times 2) + 16 \leq DDW \leq A-(D+16)$ $D+8 \leq DT \leq B-(D+16)$ $(D \times 2) + 16 \leq DDT \leq B-(D+16)$	Quotation												
	ZC	Changes the holes from M5 countersunk (T=5) to counterbore for M4 low head cap screw. (P.1187) $d_1=8, d_2=4.5, t=3$													
	HK	Changes from counterbores to drill holes (through). Select the bolt diameter	<table border="1"> <thead> <tr> <th>HK</th> <th>d</th> <th>Applicable bolt dia</th> </tr> </thead> <tbody> <tr> <td>5</td> <td>5.5</td> <td>M5</td> </tr> <tr> <td>6</td> <td>6.5</td> <td>M6</td> </tr> <tr> <td>8</td> <td>9</td> <td>M8</td> </tr> </tbody> </table>	HK	d	Applicable bolt dia	5	5.5	M5	6	6.5	M6	8	9	M8
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Dimension selection • dimension designation type

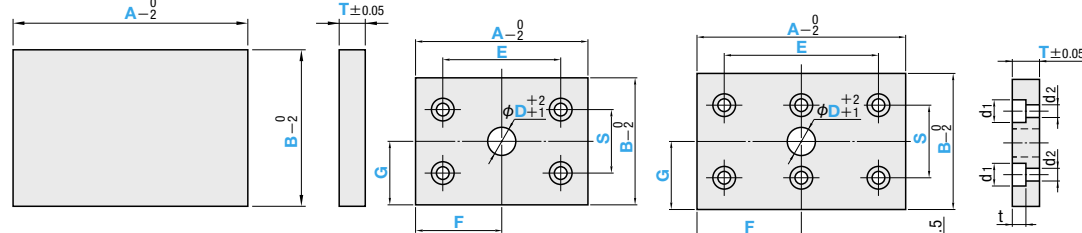
HIPX • HIPXS (A,B=20~)

4-hole type

HIPXS-4H (A,B=45~)

6-hole type

HIPXS-6H (A,B=45~)



### 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 there is no F or G specification  
 $F=A/2$   
 $G=B/2$

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

The E and S bolt hole positions are located symmetrically about the center.

### Dimension selection type

Part Number Type	A	B	Selection T
HIPX	300	300	3
	400	400	
	500	300	5
	600	400	10
	700	500	15
	800	500	

### Dimension designation type

Part Number Type	1mm increments		Selection T
	A	B	
HIPXS	20~50	20~50	3
	51~100	20~100	
	101~150	20~150	
	151~200	20~200	
	201~250	20~250	
	251~300	20~300	
	301~350	20~350	5
	351~400	20~400	10
	401~450	20~450	
	451~500	20~500	
	501~550	20~550	
	551~600	20~600	15
	601~650		
	651~700		
	701~750		
	751~800		

### Bolt hole type

Part Number Type	1mm increments		Selection T	D	0.5mm increments E • S	1mm increments F • G		
	A	B						
4-hole type HIPXS-4H	45~50	45~50	5	*0 20 25	-4-hole type- $d_1+8 \leq E \leq A-(d_1+8)$ $d_1+8 \leq S \leq B-(d_1+8)$	$D/2+8 \leq F \leq A-(D/2+8)$ $D/2+8 \leq G \leq B-(D/2+8)$		
	51~100	45~100		*0 20 25 32				
	101~150	45~150		*0 20 25 32 45				
	151~200	45~200		50 60 100				
	6-hole type HIPXS-6H	201~250	45~250	10	*0 20 25 32 45		-6-hole type- $2 \times d_1 + 16 \leq E \leq A-(d_1+8)$ $D+4 < E$ $d_1+16 \leq S \leq B-(d_1+8)$ $D+d_1+4 < S$	
		251~300	45~300		50 60 100 110 120			
		301~350	45~350					
		351~400	45~400					
		551~600	401~450	45~450	15		*0 20 25 32 45	When HK code is used, dimension $d_1 \rightarrow d$ .
			451~500	45~500			50 60 100 110 120	
501~550			45~550	150				
601~650			45~600					
651~700								
701~750								
751~800								

\*0... We will not add holes for  $\neq D$ .



Order

Part Number — A — B — T — D — E — S — F — G  
 HIPX — 400 — 400 — 10  
 HIPXS — A235 — B 85 — T10  
 HIPXS-4H — A420 — B350 — T10 — D60 — E360.0 — S300.0

Note that minimum 8mm distance is required between the bolt holes.



Days to Ship

Quotation