

High temperature proof grade

HEAT INSULATION SHEET



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

P.1181

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

Thickness high precision ± 0.01 type P.1175

RoHS

Type	Dimension designation type	4-hole type	6-hole type
High temperature proof grade	HIPLS	HIPLS-4H	HIPLS-6H

Principal components

Main binder	Base material
Inorganic material (Silicate binder)	Glass fiber

Guide • Features P.1165
Durability data P.1331

—Dimension designation type—

HIPLS (A,B=20~)

—4-hole type—

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

—6-hole type—

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

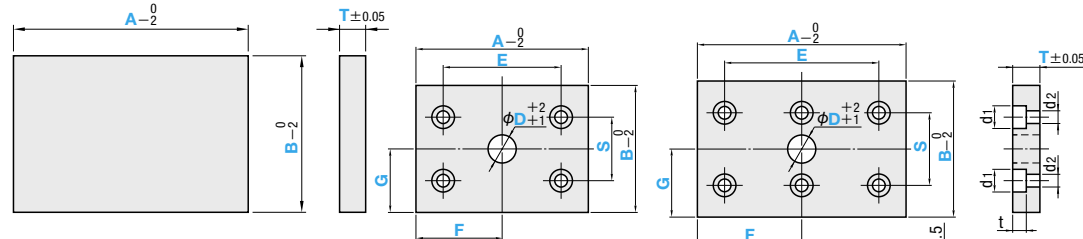


Table for bolt size (Bolts P.1185)

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 designation type

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

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— HIPLS-4H	45~50	45~50	5	*0 20 25	—4-hole type— d1+8 ≤ E ≤ A-(d1+8) d1+8 ≤ S ≤ B-(d1+8)	D/2+8 ≤ F ≤ A-(D/2+8) D/2+8 ≤ G ≤ B-(D/2+8)
	51~100	45~100				
	101~150	45~150				
	151~200	45~200				
	201~250	45~250				
	251~300	45~300				
	301~350	45~350				
	351~400	45~400				
	401~450	45~450				
	451~500	45~500				
	501~550	45~550				
	551~600					
	601~650					
	651~700					
	701~750					
751~800	45~600					
—6-hole type— HIPLS-6H	45~50	45~50	15	*0 20 25 32 45 50 60 100 110 120	—6-hole type— 2×d1+16 ≤ E ≤ A-(d1+8) D+4 < E d1+16 ≤ S ≤ B-(d1+8) D+d1+4 < S	When HK code is used, dimension d1... d.
	51~100	45~100				
	101~150	45~150				
	151~200	45~200				
	201~250	45~250				
	251~300	45~300				
	301~350	45~350				
	351~400	45~400				
	401~450	45~450				
	451~500	45~500				
	501~550	45~550				
	551~600					
	601~650					
	651~700					
	701~750					
751~800	45~600					

*0... We will not add holes for ≠ D.

Order

Part Number — **A** — **B** — **T** — **D** — **E** — **S** — **F** — **G**

HIPLS — A235 — B 85 — T10

HIPLS-4H — A420 — B350 — T10 — D60 — E360.0 — S300.0

Days to Ship

Quotation

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

Alterations

Part Number — **A** — **B** — **T** — **D** — **E** — **S** — **F** — **G** — (DW · DDW · ZC · HK)

HIPLS-4H — A420 — B350 — T10 — D60 — E360.0 — S300.0

— DW120

Alterations	Code	Spec.	1Code
	DW	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
	DDW		
	DT		
	DDT		

P Price

Quotation

Alterations	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
	HK		

HK	d	Applicable bolt dia
5	5.5	M5
6	6.5	M6
8	9	M8