



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



Price

**Quotation**



Alterations

Part Number — A — B — T — D — E — S — F — G — (DW...etc.)  
 HIPS-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 $D+8 \leq DW \leq A-(D+16)$ $(D \times 2) + 16 \leq DDW \leq A-(D+16)$ $D+8 \leq DT \leq B-(D+16)$ $(D \times 2) + 16 \leq DDT \leq B-(D+16)$	<b>Quotation</b>											
	ZC	Changes the holes from M5 countersunk (T=5) to countersink for M4 low head cap screw. (P.1187) d1=8, d2=4.5, t=3												
	HK	Changes from countersinks 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
HK	d	Applicable bolt dia.												
5	5.5	M5												
6	6.5	M6												
8	9	M8												

**RoHS**

Type	Dimension selection type	Dimension designation type	4-hole type	6-hole type
Standard grade	HIP	HIPS	HIPS-4H	HIPS-6H

**Principal components**

Main binder	Base material
Inorganic material (Borate type binder)	Glass fiber

ⓘ Guide · Features **P.1165**  
 Durability data **P.1331**

—Dimension selection · dimension designation type—

**HIP · HIPS** (A,B=20~)

**HIPS-4H** (A,B=45~)

**HIPS-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				Dimension designation type				
Part Number Type	A	B	Selection T	Part Number Type	1mm increments A	1mm increments B	Selection T	
HIP	300	300	3 5 10 15	HIPS	20~50	20~50	3 5 10 15	
	400	300			51~100	20~100		
	500	400			101~150	20~150		
	600	500			151~200	20~200		
	700	400			201~250	20~250		
	800	500			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	20~600		
					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 HIPS-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		
	201~250	45~250				
	251~300	45~300				
	301~350	45~350				
	351~400	45~400				
	401~450	45~450				
	451~500	45~500				
6-hole type HIPS-6H	501~550	45~550	15	*0 20 25 32 45	—6-hole type— $2 \times d_1 + 16 \leq E \leq A-(d_1+8)$ $D+4 < E$ $d_1+16 \leq S \leq B-(d_1+8)$ $D+d_1+4 < S$	ⓘ When there is no F or G specification F=A/2 and G=B/2 ⓘ In the case of D0, a specification is unnecessary.
	551~600			50 60 100 110 120		
	601~650			150		
	651~700	45~600				
	701~750					
	751~800					

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

Order

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

HIP — 400 — 400 — 10

HIPS — A235 — B 85 — T10

HIPS-4H — A420 — B350 — T10 — D60 — E360.0 — S300.0 — F200 — G170

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