

BLOCK DIES

—FIXING-BOLT TYPE—

Equivalent to SKD11 60 ~ 63HRC	Catalog No.	
	A BBD D BBDD R BBDR E BBDE G BBDG	

RoHS

Hole shape A

Hole shape D

Hole shape R

Hole shape E

Hole shape G

M (Lift-out tap hole)

For the lift-out tap hole, use a bolt 1 size larger than the mounting bolt.

Mounting bolt	M (Lift-out tap hole)
M3	M4
M4	M5
M6	M8
M8	M10

⊕ If $P \geq W$
 $0.15 \leq R < \frac{W}{2}$
 ⊕ If $P < W$
 $0.15 \leq R < \frac{P}{2}$

⊗ P=W cannot be selected.
 ⊕ If $P < W$, pay particular attention to hole shape.

⊗ P=W cannot be selected.
 ⊕ If $P < W$, pay particular attention to hole shape.

K	Mounting bolt			J	Catalog No.	V	H	L	0.01mm increments				Base unit price	
	d	h	Size						A	D R E G	R	1 ~ 9 pieces	BBD	BBDD
4	6	7.5	M3	3	A BBD	13	8	16	1.00 ~ 3.00	1.00 ~ 3.00	1.00 ~ 4.00			
				4					1.00 ~ 4.00	1.00 ~ 4.00				
				5					1.00 ~ 4.00	1.00 ~ 6.00				
				6.5					1.00 ~ 9.00	1.00 ~ 9.00				
5	8	8.5	M4	4	D BBDD	20	10	16	1.00 ~ 4.00	1.00 ~ 4.00	1.00 ~ 6.00			
				5					1.00 ~ 6.00	1.00 ~ 6.00				
				6.5					1.00 ~ 9.00	1.00 ~ 12.00				
				8					1.00 ~ 12.00	1.00 ~ 12.00				
6.5	11	10.5	M6	5	R BBDR	25	13	22	1.00 ~ 6.00	1.00 ~ 6.00	1.00 ~ 9.00			
				6.5					1.00 ~ 9.00	1.00 ~ 9.00				
				8					1.00 ~ 12.00	1.00 ~ 12.00				
				10					1.00 ~ 16.00	1.00 ~ 16.00				
8	14	12.5	M8	8	E BBDE	32	16	30	1.00 ~ 9.00	1.00 ~ 9.00	1.00 ~ 12.00			
				10					1.00 ~ 12.00	1.00 ~ 12.00				
				12.5					1.00 ~ 16.00	1.00 ~ 16.00				
				15					1.00 ~ 21.00	1.00 ~ 21.00				
8	14	12.5	M8	10	G BBDG	40	20	35	1.50 ~ 16.00	1.50 ~ 16.00	1.50 ~ 16.00			
				12.5					1.50 ~ 26.00	1.50 ~ 26.00				
				15					1.50 ~ 26.00	1.50 ~ 26.00				
				17.5					1.50 ~ 31.00	1.50 ~ 31.00				

0.15 ≤ R < W/2 (R only)

Quotation



(1) If shaped hole is at center of shank

Catalog No.	V	H	L	0.01mm increments		
BBDD	25	13	20	P	W	R (R only)
				P6.34	W4.65	

(2) If shaped hole is not at center of shank

Catalog No.	V	H	L	0.01mm increments			0.01mm increments	
BBDD	25	13	20	P	W	R (R only)	X-Y	
				P6.34	W4.65		X6.35	Y9.5

⊕ Upper and lower limit values of X and Y

Hole shapes A: $2.5 + \frac{P}{2} \leq X \leq V - (2.5 + \frac{P}{2}) - (K + \frac{d}{2})$, $2.5 + \frac{P}{2} \leq Y \leq H - (2.5 + \frac{P}{2})$

Hole shapes D R E G: $2.5 + \frac{P}{2} \leq X \leq V - (2.5 + \frac{P}{2}) - (K + \frac{d}{2})$, $2.5 + \frac{W}{2} \leq Y \leq H - (2.5 + \frac{W}{2})$

⊕ If $P < W$, pay particular attention to the hole shape.

⊕ X, Y tolerance: ± 0.005 (Shaped holes A), ± 0.01 (Shaped holes D R E G)

⊕ Be aware that the shaped hole position and XY values are determined differently for block punches.



Days to Ship **Quotation**



Price **Quotation**



Alterations

Catalog No.	V	H	L(LC)	P-W-R	(BC-LKC, etc.)
BBD	25	13	LC18	P1.50	BC3-LKC-ANF1.2

Alteration	Code	A	D R E G	1Code
Alterations to shaped hole	BC	Shaped hole depth change $1 \leq BC \leq 4$ 0.1mm increments		
	PKC	Shaped hole tolerance change $P + 0.01 \rightarrow +0.005$ $P - W \pm 0.01 \rightarrow +0.01$	Shaped hole tolerance change $P - W \pm 0.01 \rightarrow +0.01$	
Alterations to full length	LC	Full length change $16 < LC < 35$ 0.1mm increments (If combined with LKC-LKZ, 0.01mm increments can be selected.)		Quotation
	LKC	Full length tolerance change $L + 0.4 \rightarrow +0.05$ $L + 0.2 \rightarrow 0$		
	LKZ	Full length tolerance change $L + 0.4 \rightarrow +0.01$ $L + 0.2 \rightarrow 0$		

Alteration	Code	A	D R E G	1Code														
Others	VKC1	V-H tolerance change $V \cdot H + 0.01 \rightarrow V \cdot H + 0.005$ $V \cdot H - 0 \rightarrow V \cdot H - 0$																
	VKC2	V-H tolerance change $V \cdot H + 0.01 \rightarrow V \cdot H - 0.005$ $V \cdot H - 0 \rightarrow V \cdot H - 0.005$																
	NDC	No press-in lead		Quotation														
	ANF	Angular angle change $0 \leq ANF \leq 1.2$ 0.2° increments $d \leq d_{max}$ $d = P + 2 \cdot (L - B) \cdot \tan(ANF)$ $P - B \cdot \tan(ANF) \geq 0.6$ $W - B \cdot \tan(ANF) \geq 0.6$ ⊗ Cannot be used if shaped hole is not at the center.	<table border="1"> <tr><td>H</td><td>d max.</td></tr> <tr><td>8</td><td>4.4</td></tr> <tr><td>10</td><td>6.4</td></tr> <tr><td>13</td><td>8.4</td></tr> <tr><td>16</td><td>10.6</td></tr> <tr><td>20</td><td>12.6</td></tr> <tr><td>25</td><td>14.6</td></tr> </table> Taper 1/50 Angle one side 0.573°	H	d max.	8	4.4	10	6.4	13	8.4	16	10.6	20	12.6	25	14.6	
H	d max.																	
8	4.4																	
10	6.4																	
13	8.4																	
16	10.6																	
20	12.6																	
25	14.6																	



Example **Features**

- Maintenance is possible without disassembling the die.
- The use of shims allows fine adjustments to be made even after the die is assembled.

