

BLOCK DIES

— CONFIGURABLE SIZE TYPE —

— Straight —

RoHS

M	Catalog No.	
	A	D R E G
Equivalent to SKD11 60 ~ 63HRC	FBLD	FBLDD FBLDR FBLDE FBLDG
Powdered high-speed steel 64 ~ 67HRC	FPBLD	FPBLDD FPBLDR FPBLDE FPBLDG

Hole shape A

W min. ≤ P ≤ W max.
P dimension must be within the range of W dimension.

Hole shape D

P ≥ W

Hole shape R

P ≥ W
0.15 ≤ R < W/2

Hole shape E

P > W

Hole shape G

P > W

Catalog No.	H	V		min. P max.	R							L
		min. W max.	a min. b min.		6.0	8.1	10.1	13.1	16.1	20.1		
(Equivalent to SKD11) (Powdered high-speed steel)	6.0 ~ 8.0	1.00 ~ 6.00	4	4.00	4	4	5	6	8	9	0.15 ≤ R < W/2 (R only)	16
A FBLD FPBLD	8.1 ~ 10.0	1.00 ~ 6.00	4	6.00								20
D FBLDD FPBLDD	10.1 ~ 13.0	1.00 ~ 8.00	5	8.00								22
R FBLDR FPBLDR	13.1 ~ 16.0	1.00 ~ 10.00	6	10.00								25
E FBLDE FPBLDE	16.1 ~ 20.0	1.50 ~ 12.00	8	12.00								30
G FBLDG FPBLDG	20.1 ~ 25.0	1.50 ~ 16.00	9	16.00								35

V—P=a H—W=b (For shape A, H—P=b)
 P·W·R→0.01mm increments V·H→0.1mm increments



Order

(1) If shaped hole is at center of shank

Catalog No. — [0.1mm increments] V — [0.1mm increments] H — [0.1mm increments] L — [0.01mm increments] P — [0.01mm increments] W — [0.01mm increments] R (R only)

FBLDE — V15.8 — H12.8 — L22 — P7.25 — W5.75

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

Catalog No. — [0.1mm increments] V — [0.1mm increments] H — [0.1mm increments] L — [0.01mm increments] P — [0.01mm increments] W — [0.01mm increments] R (R only) — [0.01mm increments] X—Y

FBLDE — V15.8 — H12.8 — L22 — P7.25 — W5.75 — X5.80 — Y8.35

For the upper and lower limit values for X and Y, refer to P.467.
 X, Y tolerance: ±0.005 (Shaped holes A), ±0.01 (Shaped holes D R E G)
 Be aware that the shaped hole position and X/Y values are determined differently for block punches.



Quotation

Days to Ship **Quotation**

Alterations Catalog No. — V — H — L(LC) — P—W—R — (BC·LKC, etc.)
 FBLDD — V12.5 — H9.5 — LC28.5 — P6.25 — W4.75 — LKC — ANF1.2

Alteration	Code	A	D R E G	1Code
Alterations to shaped hole	BC	Shaped hole depth change 0 ≤ BC ≤ 4 0.1mm increments	—	
	PKC	Shaped hole tolerance change P +0.01 → +0.005 0	Shaped hole tolerance change P·W ±0.01 → +0.01 0	
	HVC	—	H and V are reversed relative to shaped hole. P dimension is machined in direction H and W dimension is machined in direction V. P ≤ W max. P dimension must be within the range of W dimension listed in the specification table. Cannot be used if shaped hole is not at center.	Quotation
Alterations to full length	LC	Full length change 10 ≤ LC < L 0.1mm increments (If combined with LKC·LKZ, 0.01mm increments can be selected.)	—	
	LKC	Full length tolerance change L +0.4 → +0.05 +0.2 0	—	
	LKZ	Full length tolerance change L +0.4 → +0.01 +0.2 0	—	

Alteration	Code	A	D R E G	1Code															
Others	VHM	Shape tolerance change H·V +0.005 → 0 0 → -0.005	—																
	NDC	No press-in lead	—																
	ANF	Angular angle change 0 ≤ ANF ≤ 1.2 0.2° increments d ≤ dmax. d = P + 2((L - B) tan(ANF°)) P - B tan(ANF°) ≥ 0.6 W - B tan(ANF°) ≥ 0.6 Cannot be used if shaped hole is not at center of shank.	<table border="1"> <tr> <th>V</th> <th>d max.</th> </tr> <tr> <td>6.0 ~ 8.0</td> <td>3.4</td> </tr> <tr> <td>8.0 ~ 10.0</td> <td>4.4</td> </tr> <tr> <td>10.0 ~ 13.0</td> <td>6.4</td> </tr> <tr> <td>13.0 ~ 16.0</td> <td>8.4</td> </tr> <tr> <td>16.0 ~ 20.0</td> <td>10.6</td> </tr> <tr> <td>20.0 ~ 25.0</td> <td>12.6</td> </tr> <tr> <td>25.0 ~ 35.0</td> <td>14.6</td> </tr> </table> Taper: 1/50 Angle (one side): 0.573°	V	d max.	6.0 ~ 8.0	3.4	8.0 ~ 10.0	4.4	10.0 ~ 13.0	6.4	13.0 ~ 16.0	8.4	16.0 ~ 20.0	10.6	20.0 ~ 25.0	12.6	25.0 ~ 35.0	14.6
V	d max.																		
6.0 ~ 8.0	3.4																		
8.0 ~ 10.0	4.4																		
10.0 ~ 13.0	6.4																		
13.0 ~ 16.0	8.4																		
16.0 ~ 20.0	10.6																		
20.0 ~ 25.0	12.6																		
25.0 ~ 35.0	14.6																		