

# CARBIDE BLOCK DIES

—CONFIGURABLE SIZE TYPE—

# SCRAP RETENTION CARBIDE BLOCK DIES

—CONFIGURABLE SIZE TYPE—

PRODUCTS DATA

P.1619

—Straight— RoHS

M	H	Catalog No.
V40 (HIP) 87~88HRA		Ⓐ WFBLD
		Ⓓ WFB added
		Ⓔ WFB added
		Ⓕ WFB added
		Ⓖ WFB added

Hole shape **Ⓐ**

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

Hole shape **Ⓓ**

Ⓢ P ≥ W

Hole shape **Ⓔ**

Ⓢ P ≥ W  
Ⓢ 0.15 ≤ R < W/2

Hole shape **Ⓕ**

Ⓢ P > W

Hole shape **Ⓖ**

Ⓢ P > W

Catalog No.	H	V							R	L
		min. W max.		min. P max.						
		bmin.	amin.	4	4	5	6	8		
Ⓐ WFBLD Ⓓ WFB added Ⓔ WFB added Ⓕ WFB added Ⓖ WFB added	6.0 ~ 8.0	1.00 ~ 4.00	4	4	5	6	8	9	0.15 ≤ R < W/2	16
	8.1 ~ 10.0	1.00 ~ 6.00	4	4	5	6	8	9		20
	10.1 ~ 13.0	1.00 ~ 8.00	5	4	5	6	8	9		22
	13.1 ~ 16.0	1.00 ~ 10.00	6	4	5	6	8	9		25
	16.1 ~ 20.0	1.50 ~ 12.00	8	4	5	6	8	9		30
	20.1 ~ 25.0	1.50 ~ 16.00	9	4	5	6	8	9		35

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

Order

WFBLE - V15.8 - H12.8 - L22 - P7.25 - W5.75

Days to Ship

Alterations

Price

—Straight— RoHS

M	H	Catalog No.
V40 (HIP) 87 ~ 88HRA		Ⓐ SR-WFBLD
		Ⓓ SR-WFB added
		Ⓔ SR-WFB added
		Ⓕ SR-WFB added
		Ⓖ SR-WFB added

Hole shape **Ⓐ**

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

Hole shape **Ⓓ**

Ⓢ P ≥ W  
Ⓢ P-0.4 ≥ 1.5  
(P dimension straight section 1.5 mm or longer)

Hole shape **Ⓔ**

Ⓢ P ≥ W  
Ⓢ 0.15 ≤ R < W/2  
Ⓢ P-2R ≥ 1.5  
(P dimension straight section 1.5 mm or longer)

Hole shape **Ⓕ**

Ⓢ P > W

Hole shape **Ⓖ**

Ⓢ P > W  
Ⓢ √(P²-W²) ≥ 1.5  
(P dimension straight section 1.5 mm or longer)

Catalog No.	H	V							R	L	MT (workpiece material thickness)	C (clearance)
		min. W max.		min. P max.								
		bmin.	amin.	4	4	5	6	8				
Ⓐ SR-WFBLD Ⓓ SR-WFB added Ⓔ SR-WFB added Ⓕ SR-WFB added Ⓖ SR-WFB added	6.0 ~ 8.0	1.00 ~ 4.00	4	4	5	6	8	9	0.15 ≤ R < W/2	16	MT ≥ 0.15 Select a workpiece material thickness of 0.15mm or more.	C ≥ 0.010 Select a clearance of 0.010mm or more.
	8.1 ~ 10.0	1.00 ~ 6.00	4	4	5	6	8	9		20	Clearance Punch tip Die shaped hole	
	10.1 ~ 13.0	1.00 ~ 8.00	5	4	5	6	8	9		22		
	13.1 ~ 16.0	1.00 ~ 10.00	6	4	5	6	8	9		25		
	16.1 ~ 20.0	1.50 ~ 12.00	8	4	5	6	8	9		30		
	20.1 ~ 25.0	1.50 ~ 16.00	9	4	5	6	8	9		35		

Ⓢ V-P=a H-W=b (For shape Ⓐ, H-P=b) Ⓢ P-W-R → 0.01mm increments V-H → 0.1mm increments Ⓢ Can be used only for workpiece materials with tensile strengths up to 1,177N/mm² (120kgf/mm²). Ⓢ Workpiece material thickness and clearance are used as machining data for the scrap retention. Specify the shaped hole dimensions (P-W-R) when selecting the die finishing dimensions.

Order

SR-WFBLE - V15.8 - H12.8 - L22 - P7.27 - W5.25 - MT1.50 - C0.105

Alterations

SR-WFB added - V12.5 - H9.5 - LC28.5 - P6.25 - W4.75 - LKC-ANF1.2

Alteration	Code	Ⓐ	Ⓓ R E G	1Code
Alterations to shaped hole	BC	Shaped hole depth change 0 ≤ BC ≤ 4 0.1mm increments With scrap retention 1 ≤ BC ≤ Bmax. 0.1mm increments P 1.00 ~ 1.98 3 2.00 ~ 4	Shaped hole depth change 0 ≤ BC ≤ 4 0.1mm increments With scrap retention 1 ≤ BC < 2 0.1mm increments	Quotation
	PKC	Shaped hole tolerance change P ± 0.01 → +0.005 0	Shaped hole tolerance change P · W ± 0.01 → +0.01	
	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 → min. W max.		
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	Ⓐ	Ⓓ R E G	1Code
Others	VKC	Shape tolerance change H · V +0.005 → +0.003 0		
	VKM	Shape tolerance change H · V +0.005 → -0.003 0		
	VHM	Shape tolerance change H · V +0.005 → -0.005 0		
Others	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	V d max. 6.0 ~ 3.4 8.0 ~ 4.4 10.0 ~ 6.4 13.0 ~ 8.4 16.0 ~ 10.6 20.0 ~ 12.6 25.0 ~ 14.6	Quotation
	NDC	No press-in lead	Taper 1/50 Angle (see side) 0.573°	