CARBIDE BLOCK DIES

CARBIDE BLOCK DIES



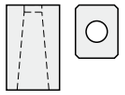
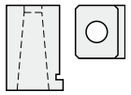
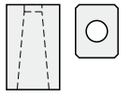
Product name Catalog No.	CARBIDE BLOCK DIES —STRAIGHT, SINGLE FLANGE—	SCRAP RETENTION CARBIDE BLOCK DIES	CARBIDE BLOCK DIES —CONFIGURABLE SIZE—
Page	617	619	621



SCRAP RETENTION CARBIDE BLOCK DIES (CONFIGURABLE SIZE)	CARBIDE BLOCK DIE BLANKS WBLDB WBLDBF	CARBIDE BLOCK DIE BLANKS ZD ZDA ZD□B ZD□C
622	623	624・625

CARBIDE BLOCK DIES
—GUIDE—

■Carbide block dies list

Block die type		M	Shape tolerance	Without scrap retention			With scrap retention		
				Round	Shaped	Page	Round	Shaped	Page
Carbide block dies straight		V40 (HIP)	$V \cdot H^{+0.005}_{0}$	WBLD	WBLD□	P.617	SR—WBLD	SR—WBLD□	P.619
Carbide block dies with single flange		V40 (HIP)	$V \cdot H^{+0.005}_{0}$	WBLDF	WBLD□F	P.617	SR—WBLDF	SR—WBLD□F	P.619
Carbide block dies (configurable size)		V40 (HIP)	$V \cdot H^{+0.005}_{0}$	WFBLD	WFBLD□	P.621	SR—WFBLD	SR—WFBLD□	P.622

■ Scrap retention block dies (For details, see P.1619)

- Applicable range
  1. Hole diameter: ϕ1.0 ~ ϕ16
  2. Workpiece material: Can be used for materials up to a maximum tensile strength to 1,177N/mm^2 (120kgf/mm^2).
  3. Thickness of workpiece material: Minimum thickness 0.15mm
  4. Scrap retention effects cannot be expected when the clearance (C) is larger than the workpiece material thickness (MT) by more than 20%. Therefore, keep the difference to 20% or less.

Clearance on one side (C) < Workpiece material thickness (MT) × 20%

Because scrap retention block dies prevent scrap lifting by forming small projections on punching scrap, they are not suitable in cases such as punching of precision holes, or when the punched-out item becomes the product.

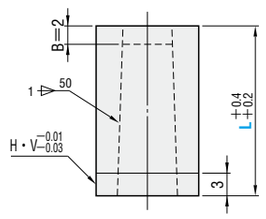
CARBIDE BLOCK DIES

—STRAIGHT TYPE・SINGLE FLANGE TYPE—

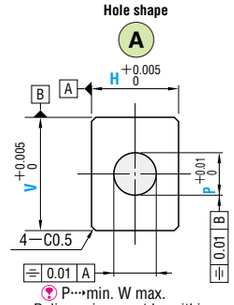
—Straight—

RoHS

M H	Catalog No.
V40(HIP) 87～88HRA	Ⓐ WBLD Ⓓ WBLDD Ⓡ WBLDR Ⓔ WBLDE Ⓖ WBLDG

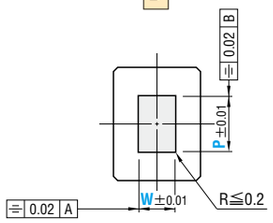


Hole shape Ⓐ



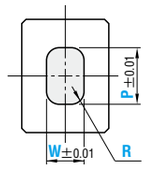
P…min. W max.
P dimension must be within the range of W dimension.

Hole shape Ⓓ



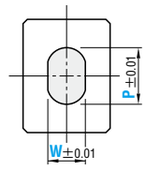
P≧W

Hole shape Ⓡ



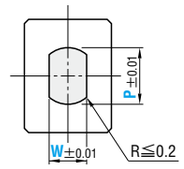
P≧W
0.15≦R＜W/2

Hole shape Ⓔ



P＞W

Hole shape Ⓖ

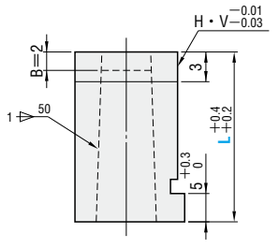


P＞W

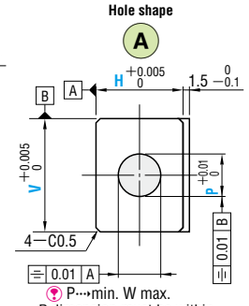
—Single flange—

RoHS

M H	Catalog No.
V40(HIP) 87～88HRA	Ⓐ WBLDF Ⓓ WBLDDF Ⓡ WBLDRF Ⓔ WBLDEF Ⓖ WBLDGF

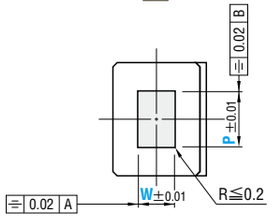


Hole shape Ⓐ



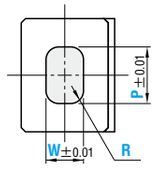
P…min. W max.
P dimension must be within the range of W dimension.

Hole shape Ⓓ



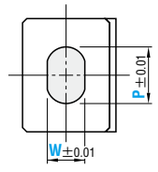
P≧W

Hole shape Ⓡ



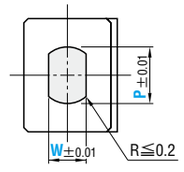
P≧W
0.15≦R＜W/2

Hole shape Ⓔ



P＞W

Hole shape Ⓖ



P＞W

Catalog No.		H	V / min. P max. / min. W max.	6	8	10	13	16	20	25	Ⓡ R	L
Straight	Single flange			1.00 ~ 3.00	1.00 ~ 4.00	1.00 ~ 6.00	1.00 ~ 8.00	1.00 ~ 10.00	1.50 ~ 12.00	1.50 ~ 16.00		
Ⓐ WBLD	WBLDF	6	1.00～ 3.00	○	○	○	○	○	○	○	0.15≦R＜W/2 (Ⓡ only)	16
Ⓓ WBLDD	WBLDDF	8	1.00～ 4.00		○	○	○	○	○	○		20
Ⓡ WBLDR	WBLDRF	10	1.00～ 6.00			○	○	○	○	○		22
Ⓔ WBLDE	WBLDEF	13	1.00～ 8.00				○	○	○	○		25
Ⓖ WBLDG	WBLDGF	16	1.00～ 10.00					○	○	○		30
		20	1.50～ 12.00						○	○		35
		25	1.50～ 16.00							○		

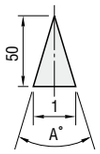
P・W・R…0.01mm increments

Price Quotation

Order

Catalog No.	V	H	—	L	—	0.01mm increments			
						P	— W	— R (Ⓡ only)	
WBLDR	13	10	—	20	—	P6.34	— W4.65	— R1.50	

Days to Ship Quotation

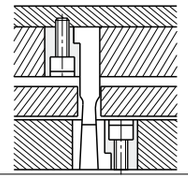


• 1 50 indicates a taper in which the diameter increases by 1mm over 50mm of length.

Taper	1/50
Angle (A°)	1.146°

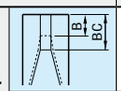
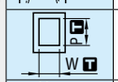
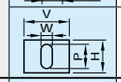
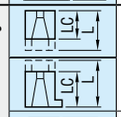
■Flange holder P.465

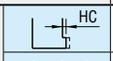
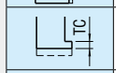
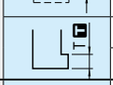
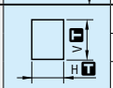
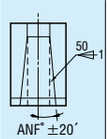
HFW



Alterations

Catalog No.	V	H	—	L(LC)	—	P—W—R	— (BC・HC, etc.)
WBLDF	08	06	—	20	—	P1.20	— PKC — ANF1.2

Alteration		Code	Ⓐ	ⒹⓇⒺⒼ	1Code
Alterations to shaped hole		BC	Shaped hole depth change 0≦BC≦4 0.1mm increments		Quotation
		PKC	Shaped hole tolerance change P +0.01 0 ⇨ +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→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.) For single flange types, if LC≦12 then press-in lead is not included.		
		LKC	Full length tolerance change L +0.4 +0.2 ⇨ +0.05 0		
		LKZ	Full length tolerance change L +0.4 +0.2 ⇨ +0.01 0		

Alteration		Code	Ⓐ	ⒹⓇⒺⒼ	1Code
Alterations to flange		HC	Flange width change 0≦HC＜1.5 0.1mm increments		Quotation
		TC	Flange thickness change 2≦TC＜5 0.1mm increments (If combined with TKC・TKM, 0.01mm increments can be selected.) Full length is shortened by (5—TC). If combined with LC, full length is equal to LC.		
		TKC	Flange thickness tolerance change T +0.3 0 ⇨ +0.02 0		
		TKM	Flange thickness tolerance change T +0.3 0 ⇨ 0 −0.02		
Others		VKC	Shape tolerance change H・V +0.005 0 ⇨ +0.003 0		
		VKM	Shape tolerance change H・V +0.005 0 ⇨ 0 −0.003		
		VHM	Shape tolerance change H・V +0.005 0 ⇨ 0 −0.005		
		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 / 3.4; 8 / 4.4; 10 / 6.4; 13 / 8.4; 16 / 10.6; 20 / 12.6; 25 / 14.6 Taper 1/50, Angle (one side) 0.573°	
		NDC		⇨No press-in lead	

SCRAP RETENTION CARBIDE BLOCK DIES

—STRAIGHT TYPE / SINGLE FLANGE TYPE—

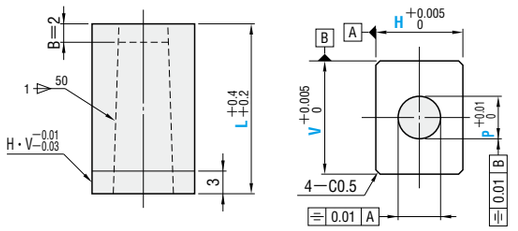
PRODUCTS DATA P.1619

—Straight—

RoHS

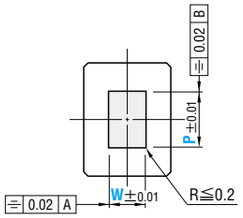
M H	Catalog No.
V40(HIP) 87～88HRA	Ⓐ SR—WBLD Ⓓ SR—WBLDD Ⓡ SR—WBLDR Ⓔ SR—WBLDE Ⓖ SR—WBLDG

Hole shape Ⓐ



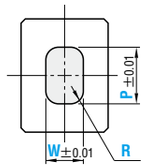
P⋯→ min. W max.
P dimension must be within the range of W dimension.

Hole shape Ⓓ



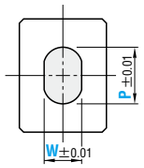
P≧W
P—0.4≧1.5
(P dimension straight section 1.5 mm or longer)

Hole shape Ⓡ



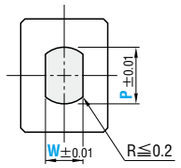
P≧W 0.15≦R<W/2
P—2R≧1.5
(P dimension straight section 1.5 mm or longer)

Hole shape Ⓔ



P>W

Hole shape Ⓖ



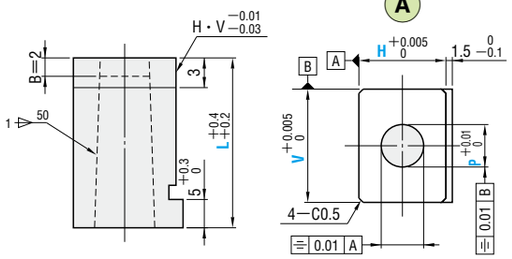
P>W
$\sqrt{P^2-W^2}$≧1.5
(P dimension straight section 1.5 mm or longer)

—Single flange—

RoHS

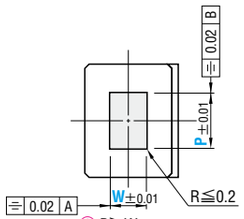
M H	Catalog No.
V40(HIP) 87～88HRA	Ⓐ SR—WBLDF Ⓓ SR—WBLDDF Ⓡ SR—WBLDRF Ⓔ SR—WBLDEF Ⓖ SR—WBLDGF

Hole shape Ⓐ



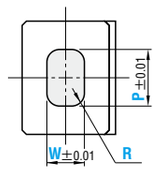
P⋯→ min. W max.
P dimension must be within the range of W dimension.

Hole shape Ⓓ



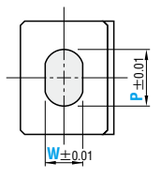
P≧W
P—0.4≧1.5
(P dimension straight section 1.5 mm or longer)

Hole shape Ⓡ



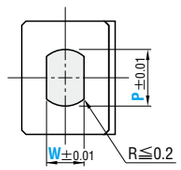
P≧W 0.15≦R<W/2
P—2R≧1.5
(P dimension straight section 1.5 mm or longer)

Hole shape Ⓔ



P>W

Hole shape Ⓖ



P>W
$\sqrt{P^2-W^2}$≧1.5
(P dimension straight section 1.5 mm or longer)

Catalog No.		H	V: min. W max. \ P max.	6	8	10	13	16	20	25
				1.00～3.00	1.00～4.00	1.00～6.00	1.00～8.00	1.00～10.00	1.50～12.00	1.50～16.00
Straight	Single flange	6	1.00～ 3.00	○	○	○	○	○	○	○
Ⓐ SR—WBLD	SR—WBLDF	8	1.00～ 4.00		○	○	○	○	○	○
Ⓓ SR—WBLDD	SR—WBLDDF	10	1.00～ 6.00			○	○	○	○	○
Ⓡ SR—WBLDR	SR—WBLDRF	13	1.00～ 8.00				○	○	○	○
Ⓔ SR—WBLDE	SR—WBLDEF	16	1.00～ 10.00					○	○	○
Ⓖ SR—WBLDG	SR—WBLDGF	20	1.50～ 12.00						○	○
		25	1.50～ 16.00							○

Ⓡ	L	MT (workpiece material thickness)	C (clearance)
R		0.01mm increments	0.005mm increments
0.15≦R<W/2 (Ⓡ only)	16 20 22 25 30 35	MT≧0.15 Select a workpiece material thickness of 0.15mm or more.	C≧0.010 Select a clearance of 0.010mm or more. Clearance Punch tip Die shaped hole

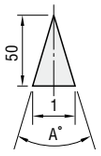
P・W・R⋯→0.01mm increments Can be used only for workpiece materials with tensile strengths up to 1177N/mm² (120kgf/mm²).
Workpiece material thickness and clearance are used as machining data for the scrap retention. Specify the shaped hole dimensions (P・W・R) when selecting the die finishing dimensions.

Price Quotation

Order

Catalog No.	V	H	—	L	—	0.01mm increments: P	—	W	—	R (Ⓡ only)	—	MT	—	C
SR—WBLDRF	13	10	—	22	—	P7.65	—	W4.65	—	R0.50	—	MT1.50	—	C0.105

Days to Ship Quotation



• 50 / 1 indicates a taper in which the diameter increases by 1mm over 50mm of length.

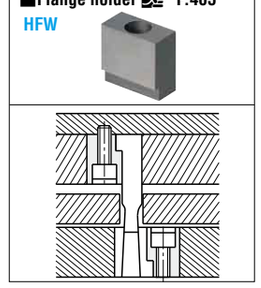
Taper	1/50
Angle (A°)	1.146°

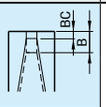
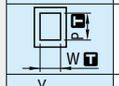
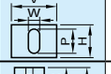
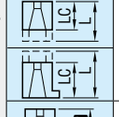
Alterations

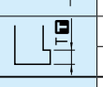
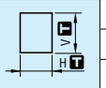
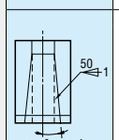
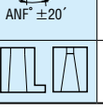
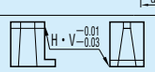
Catalog No.	V	H	—	L(LC)	—	P—W—R	—	MT	—	C	—	(BC・LKC, etc.)
SR—WBLDF	08	06	—	20	—	P2.25	—	MT1.50	—	C0.105	—	LKC—ANF1.2

■Flange holder P.465

HFW



	Alteration	Code	Ⓐ	ⒹⒸⒺⒼ	1Code
Alterations to shaped hole		BC	Shaped hole depth change 1≦BC<Bmax. 0.1mm increments P: 1.00～1.99 Bmax. 3; 2.00～ 4	Shaped hole depth change 1≦BC<2 0.1mm increments	Quotation
		PKC	Shaped hole tolerance change $P^{+0.01}_{0}$ ⇨ $^{+0.005}_{0}$	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→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.) For single flange types, if LC≦12 then press-in lead is not included.		
		LKC	Full length tolerance change $L^{+0.4}_{+0.2}$ ⇨ $^{+0.05}_{0}$		
		LKZ	Full length tolerance change $L^{+0.4}_{+0.2}$ ⇨ $^{+0.01}_{0}$		

	Alteration	Code	Ⓐ	ⒹⒸⒺⒼ	1Code
Alterations to flange		HC	Flange width change 0≦HC<1.5 0.1mm increments		Quotation
		TC	Flange thickness change 2≦TC<5 0.1mm increments (If combined with TKC・TKM, 0.01mm increments can be selected.) Full length is shortened by (5—TC). If combined with LC, full length is equal to LC.		
		TKC	Flange thickness tolerance change $T^{+0.3}_{0}$ ⇨ $^{+0.02}_{0}$		
		TKM	Flange thickness tolerance change $T^{+0.3}_{0}$ ⇨ $^{0}_{-0.02}$		
Others		VKC	Shape tolerance change $H・V^{+0.005}_{0}$ ⇨ $^{+0.003}_{0}$		
		VKM	Shape tolerance change $H・V^{+0.005}_{0}$ ⇨ $^{0}_{-0.003}$		
		VHM	Shape tolerance change $H・V^{+0.005}_{0}$ ⇨ $^{0}_{-0.005}$		
		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 ANF° ±20′ Taper 1/50, Angle (one side) 0.573°		
		NDC	 ⇨No press-in lead		

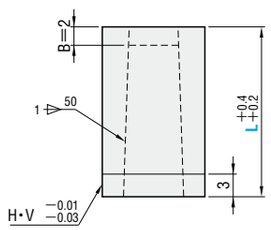
V	d max.
6	3.4
8	4.4
10	6.4
13	8.4
16	10.6
20	12.6
25	14.6

CARBIDE BLOCK DIES

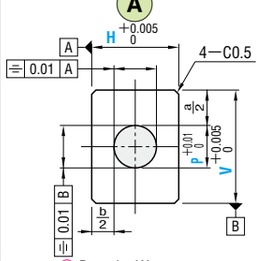
CARBIDE BLOCK DIES
—CONFIGURABLE SIZE TYPE—

—Straight— RoHS

M H	Catalog No.
V40(HIP) 87～88HRA	Ⓐ WFBLD Ⓓ WFBLDD Ⓡ WFBLDR Ⓔ WFBLDE Ⓖ WFBLDG

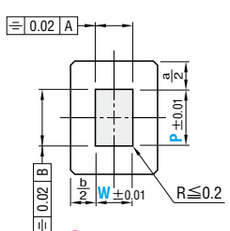


Hole shape Ⓐ



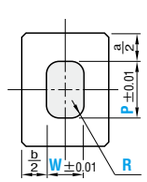
P…min. W max.
P dimension must be within the range of W dimension.

Hole shape Ⓓ



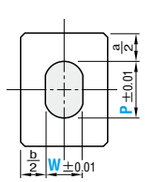
P≧W

Hole shape Ⓡ



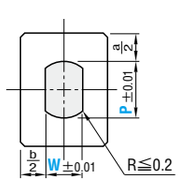
P≧W
0.15≦R＜W/2

Hole shape Ⓔ



P＞W

Hole shape Ⓖ



P＞W

Catalog No.	H	V: min. W max.	V: bmin. (amin.)	6.0～8.0	8.1～10.0	10.1～13.0	13.1～16.0	16.1～20.0	20.1～25.0	R	L
			min. P max.	1.00～4.00	1.00～6.00	1.00～8.00	1.00～10.00	1.50～12.00	1.50～16.00		
			amin.	4	4	5	6	8	9		
Ⓐ WFBLD Ⓓ WFBLDD Ⓡ WFBLDR Ⓔ WFBLDE Ⓖ WFBLDG	6.0～8.0	1.00～4.00	4	○	○	○	○	○	○	0.15≦R＜W/2 (Ⓡ only)	16
	8.1～10.0	1.00～6.00	4		○	○	○	○	○		20
	10.1～13.0	1.00～8.00	5			○	○	○	○		22
	13.1～16.0	1.00～10.00	6				○	○	○		25
	16.1～20.0	1.50～12.00	8					○	○		30
	20.1～25.0	1.50～16.00	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

Catalog No.	0.1mm increments		L	0.01mm increments		
	V	H		P	W	R(Ⓡ only)
WFBLDE	V15.8	H12.8	L22	P7.25	W5.75	

Days to Ship **Quotation**

Price **Quotation**

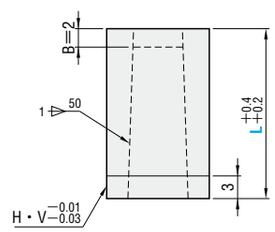
Alterations Refer to the page at right.

SCRAP RETENTION CARBIDE BLOCK DIES
—CONFIGURABLE SIZE TYPE—

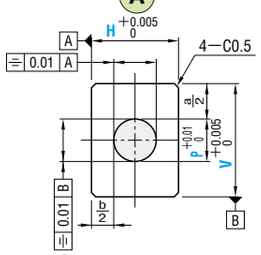
PRODUCTS DATA P.1619

—Straight— RoHS

M H	Catalog No.
V40(HIP) 87～88HRA	Ⓐ SR—WFBLD Ⓓ SR—WFBLDD Ⓡ SR—WFBLDR Ⓔ SR—WFBLDE Ⓖ SR—WFBLDG

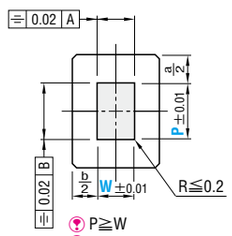


Hole shape Ⓐ



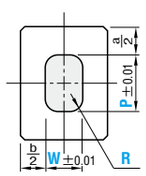
P…min. W max.
P dimension must be within the range of W dimension.

Hole shape Ⓓ



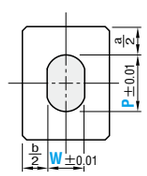
P≧W
P−0.4≧1.5
(P dimension straight section 1.5 mm or longer)

Hole shape Ⓡ



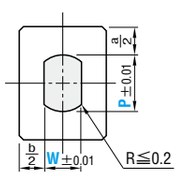
P≧W 0.15≦R＜W/2
P−2R≧1.5
(P dimension straight section 1.5 mm or longer)

Hole shape Ⓔ



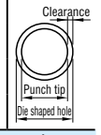
P＞W

Hole shape Ⓖ



P＞W
$\sqrt{P^2-W^2}$≧1.5
(P dimension straight section 1.5 mm or longer)

Catalog No.	H	V: min. W max.	V: bmin. (amin.)	6.0～8.0	8.1～10.0	10.1～13.0	13.1～16.0	16.1～20.0	20.1～25.0	R	L	MT (workpiece material thickness)	C (clearance)
			min. P max.	1.00～4.00	1.00～6.00	1.00～8.00	1.00～10.00	1.50～12.00	1.50～16.00			0.01mm increments	0.005mm increments
			amin.	4	4	5	6	8	9				
Ⓐ SR—WFBLD Ⓓ SR—WFBLDD Ⓡ SR—WFBLDR Ⓔ SR—WFBLDE Ⓖ SR—WFBLDG	6.0～8.0	1.00～4.00	4	○	○	○	○	○	○	0.15≦R＜W/2 (Ⓡ only)	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		○	○	○	○	○		20		
	10.1～13.0	1.00～8.00	5			○	○	○	○		22		
	13.1～16.0	1.00～10.00	6				○	○	○		25		
	16.1～20.0	1.50～12.00	8					○	○		30		
	20.1～25.0	1.50～16.00	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

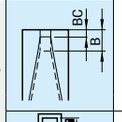
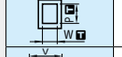
Catalog No.	0.1mm increments		L	0.01mm increments			MT	C
	V	H		P	W	R(Ⓡ only)		
SR—WFBLDE	V15.8	H12.8	L22	P7.27	W5.25		MT1.50	C0.105

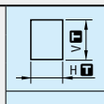
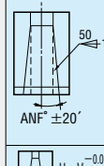
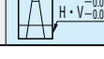
Quotation

Quotation

Alterations

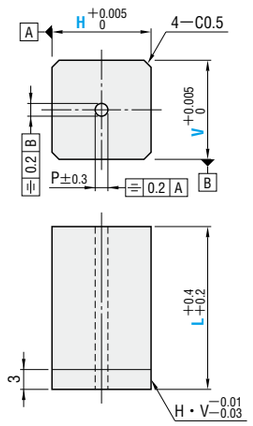
Catalog No.	V	H	L(LC)	P—W—R	(BC・LKC, etc.)
SR—WFBLDD	V12.5	H9.5	LC28.5	P6.25—W4.75	LKC—ANF1.2

	Alteration	Code	Ⓐ	D 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 1.00～1.99: Bmax. 3; P 2.00～: Bmax. 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 ⇨ +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→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 +0.2 ⇨ +0.05 0		
		LKZ	Full length tolerance change L +0.4 +0.2 ⇨ +0.01 0		

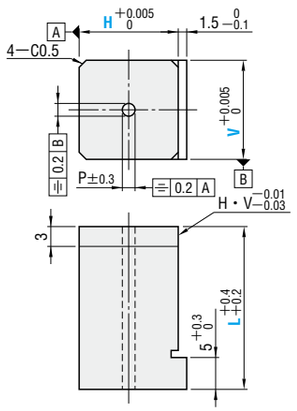
	Alteration	Code	Ⓐ	D R E G	1Code
Others		VKC	Shape tolerance change H・V +0.005 0 ⇨ +0.003 0		Quotation
		VKM	Shape tolerance change H・V +0.005 0 ⇨ 0 −0.003		
		VHM	Shape tolerance change H・V +0.005 0 ⇨ 0 −0.005		
		ANF	Angular angle change 0≦ANF≦1.2 0.2° increments d≦dmax. d=P+2{(L−B) tan(ANF°)} P−B tan(ANF°)≧0.6 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; Taper 1/50, Angle (one side) 0.573°)		
		NDC	No press-in lead		

RoHS

Straight type
WBLDB



Single flange type
WBLDBF



M V40 (HIP)
H 87～88HRA

Catalog No.	V / H	6	8	10	13	16	20	25	L	P
Straight type **WBLDB** / Single flange type **WBLDBF**	6	○	○	○	○	○	○	○	16	0.8
	8		○	○	○	○	○	○	20	
	10			○	○	○	○	○	22	
	13				○	○	○	○	25	
	16					○	○	○	30	
	20						○	○	35	
	25							○		

Order

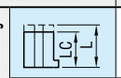
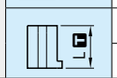
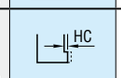
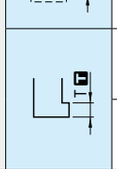
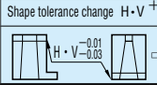
Catalog No.	V	H	—	L
WBLDB	08	06	—	16

Alterations

Catalog No.	V	H	—	L(LC)	—	(HC・TC・TKC, etc.)
WBLDBF	13	10	—	20	—	TC4

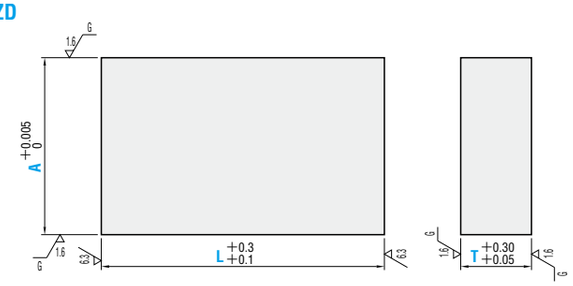
Days to Ship Quotation

Price Quotation

Alteration		Code	Spec.	1Code
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.) For single flange types, if LC≦12 then press-in lead is not included.	
		LKC	Full length tolerance change L +0.4 +0.2 ⇨ +0.05 0	
		LKZ	Full length tolerance change L +0.4 +0.2 ⇨ +0.01 0	
Alterations to flange		HC	Flange width change 0≦HC＜1.5 0.1mm increments	
		TC	Flange thickness change 2≦TC＜5 0.1mm increments (If combined with TKC・TKM, 0.01mm increments can be selected.) Full length L is shortened by (5—TC). If combined with LC, full length is equal to LC.	Quotation
		TKC	Flange thickness tolerance change T +0.3 0 ⇨ +0.02 0	
		TKM	Flange thickness tolerance change T +0.3 0 ⇨ 0 −0.02	
Others		VKC	Shape tolerance change H・V +0.005 0 ⇨ +0.003 0	
		VKM	Shape tolerance change H・V +0.005 0 ⇨ 0 −0.003	
		VHM	Shape tolerance change H・V +0.005 0 ⇨ 0 −0.005	
		NDC	 H・V −0.01 −0.03 ⇨No press-in lead	

RoHS

ZD



M V30 (HIP)
H 88～89HRA

Catalog No. Type	T	A	L	Base unit price 1 ～ 4 pieces L=40	L=50	L=60	L=70
ZD	10	10	40				
		13	50				
		16	60				
		20	70				
	13	13					
		16					
		20					
	16	16					
		20					
	20	20					

Quotation

Order

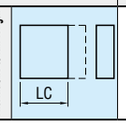
Catalog No.	A	—	L
ZD 10	16	—	50

Days to Ship Quotation

Price Quotation

Alterations

Catalog No.	A	—	L(LC)	—	(TKC)
ZD 10	16	—	LC45	—	TKC

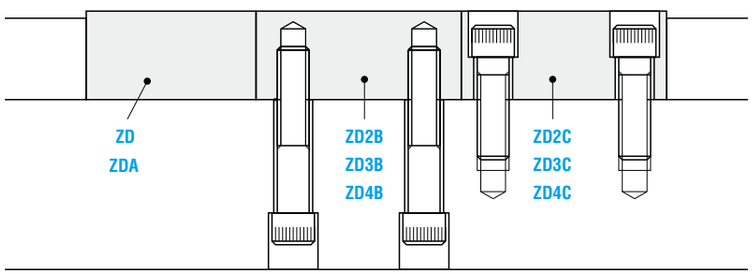
Alteration		Code	Spec.	1Code
Alterations to full length		LC	30≦LC＜L 1mm increments	Quotation

Alteration		Code	Spec.	1Code
Alteration to thickness		TKC	T tolerance change T +0.30 +0.05 ⇨ +0.01 0	Quotation

Example

Carbide block die blanks

- ZD: Thickness T・width A・length L are standard dimensions. Material is same as the punch (V30). ※Dimension L can be changed within the specified range.
- ZDA・ZD□B・ZD□C (P.567): Thickness T, width A, and length L can be specified in 0.01mm increments. Die material (V40) is used. ※The material can be changed to V20・V30 by alteration.



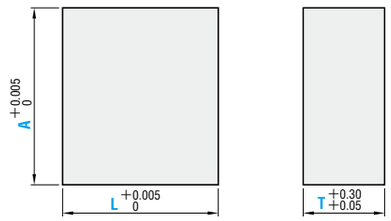
CARBIDE BLOCK DIE BLANKS
—MACHINED TYPE—

RoHS

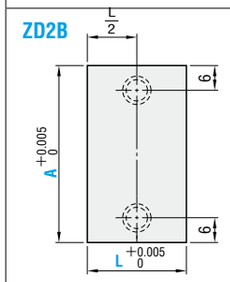
M V40(HIP)
H 87 ～ 88HRA

A	10.00～31.99	32.00～70.00
M	4	5
d_1	4.5	5.5
d_2 × t	7.5 × 7	9 × 8

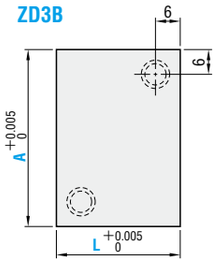
ZDA



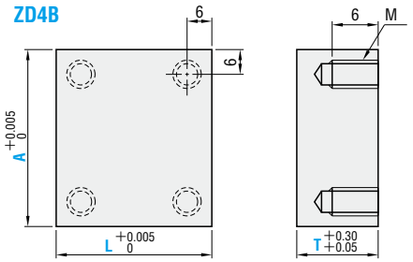
ZD2B



ZD3B

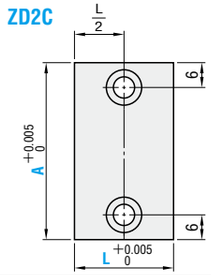


ZD4B

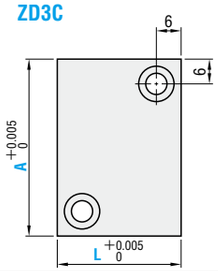


Although the tap hole has performed tap processing to steel inlaw until now, as soon as stock of a factory is lost, tap processing is directly given to the quality of super-hard material.

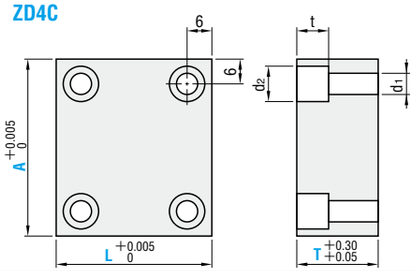
ZD2C



ZD3C



ZD4C



Catalog No.	T	A 0.01mm increments	L 0.01mm increments
ZDA	10	10.00～70.00	3.00 ～80.00
ZD2B ZD2C	13 16	30.00～70.00	13.00 ～70.00
ZD3B ZD3C	20	20.00～70.00	20.00 ～80.00
ZD4B ZD4C	22 25	30.00～70.00	25.00 ～80.00

Order

Catalog No.	T	—	0.01mm increments A	—	L
ZDA	16	—	16.00	—	40.00

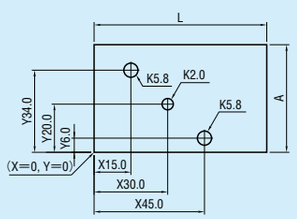
Days to Ship Quotation

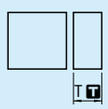
Price Quotation

For larger orders, ask about prices/delivery.

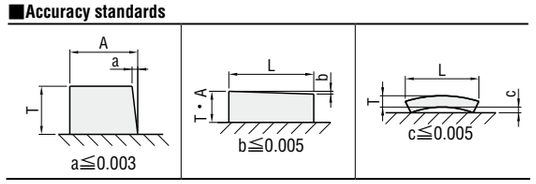
Alterations

Catalog No.	T	—	A	—	L	—	X・Y・K	— (TKC・JC)
ZDA	25	—	45.00	—	70.00	—	X15.0 Y34.0 K5.8 X30.0 Y20.0 K2.0 X45.0 Y 6.0 K5.8	— TKC

Alteration	Code	Spec.	1Code
	X_ Y_ K_	Pilot holes for WEDM, dowel holes, and other holes can be machined. Specify the hole position (X and Y) and diameter (K). Increment for X・Y 0.1mm increments T=10・13・16··· ϕ1.0≦K≦ϕ10 T=20・22・25··· ϕ1.5≦K≦ϕ10 Increment for K 0.1mm increments Hole pitch tolerance ±0.3	Quotation

Alteration	Code	Spec.	1Code
	TKC	T dimension tolerance change T $^{+0.30}_{+0.05}$ ⇨ $^{+0.01}_{0}$	Quotation
M Material change	JC2	Material change M V40⇨V20	
	JC3	Material change M V40⇨V30	

■Accuracy standards



CARBIDE BLOCK DIES