

ENGRAVING BLOCK PUNCHES

PRECISION ENGRAVING BLOCK PUNCHES

OCP \square **M** \square **BCP** \square **M**

VCF **VCM**

RoHS

* Because the characters are engraved by electric discharge machining, the character machining face projects by a step before machining is performed.

Equivalent to SKD11 60~63HRC

Mounting bolt M	V	H	P	B	Catalog No.		A	L	Characters	Base unit price
					Type	Number of characters				
6	16	22	3.5	2	OCP	3M	3	20	0 1 2 3 4 5 6 7 8 9 A B C D E F G H I J K L M N O P Q R S T U V W X Y Z	1~9 pieces
						4M				
	5M									
	6M									
	7M									
25	8M									
	32	3M	3	20	(Note 1) [] (Space)					
		4M								
5M										
6	16	10	3.5	2	BCP	3M	3	20	(Note 2) - (Hyphen)	1~9 pieces
						4M				
	5M									
	6M									
	7M									
25	8M									
	32	3M	6	25						
		4M								
5M										

(Note 1) [] Use % to indicate a space. (Note 2) Use # to indicate a - (hyphen).

Order Catalog No. - A - L - CHR Actual engraving Days to Ship **Quotation**

Price **Quotation**

Examples of mounting: (Examples of mounting) (Example of use for lift-out tap hole)

Example ● **OCP** \square **M**

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

● **BCP** \square **M**

- Mounting position: Select a location that is as flat as possible for the punch to contact, and install the punch perpendicular to that surface.
- Fasten the punch using a bolt. The punch tip should protrude 0.25mm from the mounting surface. (Depth of character engraved in product: 0.25mm)

Mounting method 1, Mounting method 2

Screw a bolt into the lift-out tap hole and pull the punch out of the punch plate.

RoHS

* The tap depth is 5mm if L < 12.

Equivalent to SKH51 59~62HRC

V	H	A	B	C	Catalog No.		A	0.1mm increments L	Characters	Base unit price		
					Type	Number of characters						
3	2	1.0	0.7	-	VCF	1M	1.0	8.0 ~ 30.0	0 1 2 3 4 5 6 7 8 9 A B C D E F G H I J K L M N O P Q R S T U V W X Y Z	1~9 pieces		
		1.2	0.8				1.2					
		1.5	1.0				1.5					
		1.0	0.7				1.8					
		1.2	0.8				2.0					
		1.5	1.0				2.4					
	3	6	1.0	0.7		3.0	3M				1.0	
			1.2	0.8		3.3					1.2	
			1.5	1.0		3.9					1.5	
			1.0	0.7		4.1					4M	1.0
			1.2	0.8		4.5						1.2
			1.5	1.0		5.3						1.5
8	8	1.0	0.7	-	VCM	1M	1.0	8.0 ~ 30.0	(Note 1) [] (Space) (Note 2) - (Hyphen)	1~9 pieces		
		1.2	0.8				1.2					
		1.5	1.0				1.5					
		1.0	0.7				1.8					
		1.2	0.8				2.0					
		1.5	1.0				2.4					
	8	8	1.0	0.7		3.0	2M				1.0	
			1.2	0.8		3.3					1.2	
			1.5	1.0		3.9					1.5	
			1.0	0.7		4.1					3M	1.0
			1.2	0.8		4.5						1.2
			1.5	1.0		5.3						1.5
8	8	1.0	0.7	4.5	4M	1.0						
		1.2	0.8	4.5		1.2						
		1.5	1.0	5.3		1.5						

(Note 1) [] Use % to indicate a space. (Note 2) Use # to indicate a - (hyphen).

Order Catalog No. - A - L - CHR Actual engraving Days to Ship **Quotation**

Price **Quotation**

Alterations Catalog No. - A - L - CHR - (VHM-VHZ, etc.)

VCM3M - 1.2 - 15.0 - ABC - CCP180

Alteration	Code	Spec.	1Code
Shank tolerance change	VHM	$v-H^{+0.01}_0 \rightarrow -0.01$	
	VHZ	$v-H^{+0.01}_0 \rightarrow \pm 0.005$	
Flange width change	HC	$0 \leq HC < 1.5$ 0.1mm increments ⊗ Cannot be used for VCM.	
Chamfering to one corner of shank (for error prevention) One corner of shank is chamfered to C1.0. Selection of chamfering position (as viewed from engraving side)	CCP	CCP0 CCP90 CCP180 CCP270 CCP0 CCP90 CCP180 CCP270	Quotation
		⊗ Cannot be used for VCF.	

Accuracy standards for precision engraving block punches

Accuracy standards		
Perpendicularity	$a \leq 0.005$	
Parallelism	$b \leq 0.005$	