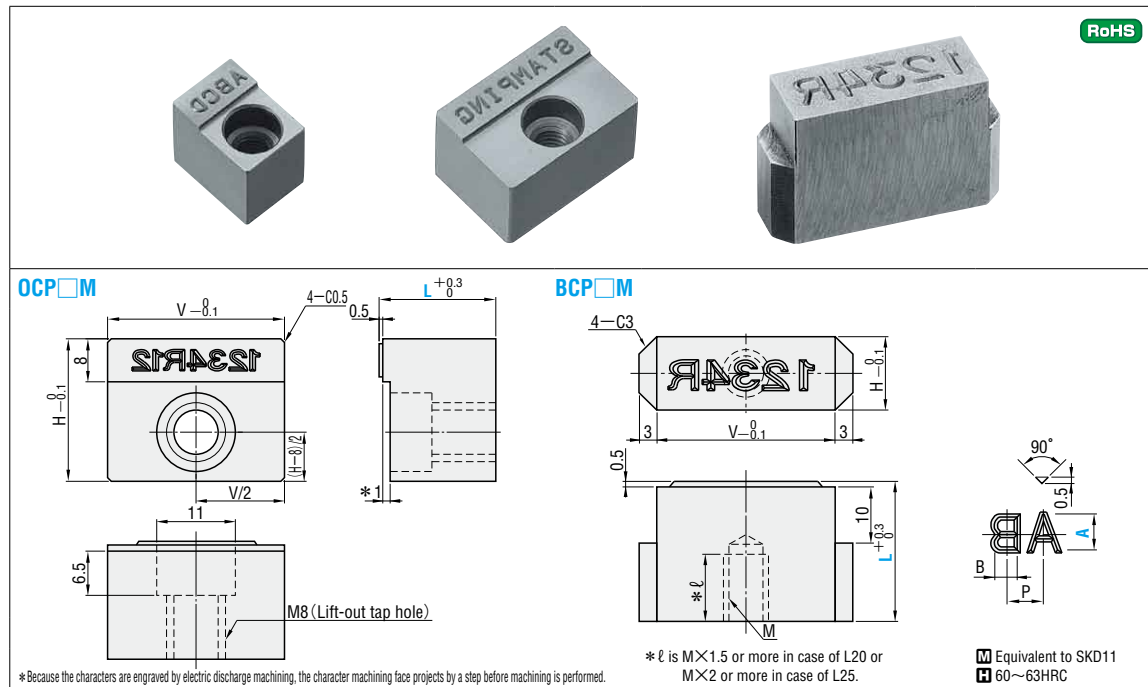


ENGRAVING BLOCK PUNCHES

PRECISION ENGRAVING BLOCK PUNCHES



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				
6	25	10	3.5	2	BCP	3M	3	20	(Note 1) [] (Space) (Note 2) - (Hyphen)	Quotation
						4M				
						5M				
						6M				
8	25	13	6.0	4	BCP	3M	6	25		Quotation
						4M				
						5M				
						6M				

* (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**

Example ● OCP M

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

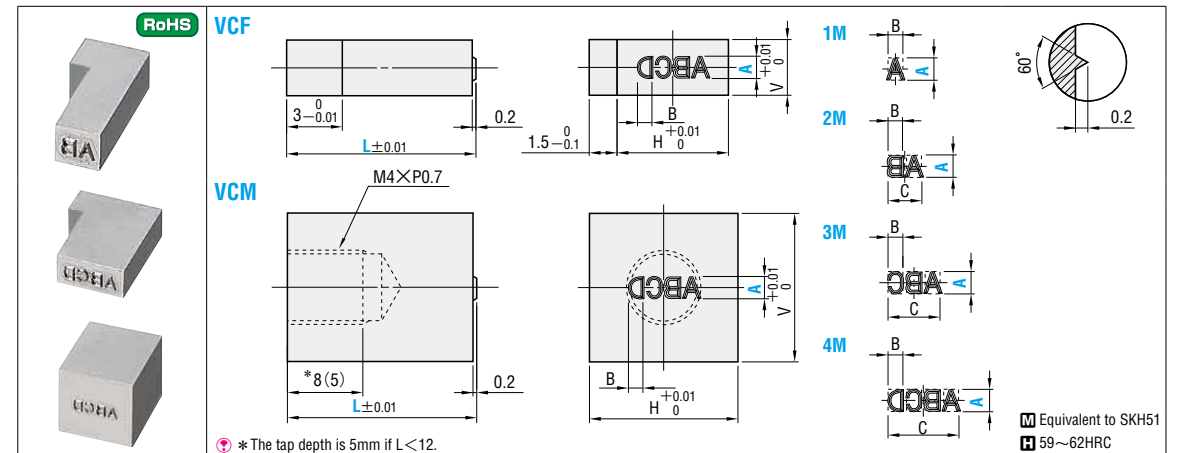
(Examples of mounting) (Example of use for lift-out tap hole)

● BCP 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.



V	H	A	B	C	Catalog No.		A	0.1mm increments	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)	Quotation				
		1.2	0.8				1.2							
		1.5	1.0				1.5							
		1.0	0.7				1.8							
		2	2			1.2	0.8				2.0	2M	1.0	
						1.5	1.0				2.4		1.2	
						1.0	0.7				3.0		3M	1.0
						1.2	0.8				3.3			1.2
		4	4			1.5	1.0				3.9	4M	1.0	
						1.0	0.7				4.1		1.5	
						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 CCPA CCBA CCBA CCBA	Quotation
		⊗ Cannot be used for VCF.	

Accuracy standards for precision engraving block punches

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