

# STRAIGHT CORE PINS WITH ENGRAVING

— CONVEX CHARACTER TYPE —



ⓘ Non JIS material definition is listed on P.1351 - 1352

Straight Core Pins

**RoHS**

Type	Material	HRC	Tolerance	
			D or P	L
CPH□T	SKH51 equivalent	58~60	0	+0.05 0
CPHB□T			-0.005	
CPX□T			-0.01	
CPXB□T			-0.02	

CPH□T (Shaft diameter (D) selection type)

CPHB□T (Shaft diameter (P) designation type)

CPX□T (Shaft diameter (D) selection type)

CPXB□T (Shaft diameter (P) designation type)

ⓘ To decide the shape processing position, process a key flat cutting on the standard 0°.

	1T (1 character)	2T (2 characters)
	1.00 ≤ D or P ≤ 4.00	2.00 ≤ D or P ≤ 4.00

ⓘ Please place order by the character order of molding products.

**Details of engraving**

Core Pins	Finished products
Reversed reading (Convex character)	Normal character (Concave character)
Groove width (a)	0.03~0.1
Drafts for pulling (c)	35° ± 2°
Groove depth (B)	0.05 ± 0.01

### Relationship between Shaft Diameter (D or P) and Character Size (Q, W)

No. of characters	D or P	Q	W
1T (1 character)	1.00~1.29	0.6	0.5
	1.30~1.49	0.6	0.5
	1.50~1.99	0.9	0.7
	2.00~2.49	1.3	0.8
	2.50~2.99	1.6	1.0
2T (2 characters)	3.00~3.49	1.9	1.2
	3.50~3.99	2.3	1.4
	4.00	2.6	1.6
	2.00~2.49	1.0	1.4
	2.50~2.99	1.2	1.7
	3.00~3.49	1.5	2.1
	3.50~3.99	1.7	2.4
	4.00	2.0	2.8

### Character font



**P** Price **Quotation**

### Shaft diameter (D) selection type

H	Part Number			L 0.01mm increments	Characters for engraving
	Type	Character	D		
3	CPH	1T	1	10.00~100.00	1 2 3 4 5 6 7 8 9 0 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
			1.1		
			1.2		
			1.3		
			1.4		
4	CPX	2T	1.5	10.00~120.00	
			1.6		
			1.7		
			1.8		
			1.9		
5			2		
6			2.5		
7			3	10.00~120.00	
			3.5		
			4		

ⓘ Pay attention to the specification of Q · W, size of engraving character. (Details [☞](#) Left page)

ⓘ Please place order by the character order of molding products.

### Shaft diameter (P) designation 0.01mm increments type

H	Part Number			0.01mm increments		Characters for engraving		
	Type	Character	No.	L	P			
3	CPHB	1T	1.5	10.00~100.00	1.00 ~ 1.49	1 2 3 4 5 6 7 8 9 0 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		
4			2		1.50 ~ 1.99			
5			2.5		2.00 ~ 2.49			
6			CPXB		2T		3	2.50 ~ 2.99
							3.5	3.00 ~ 3.49
7			4	10.00~120.00	3.50 ~ 3.99			

ⓘ Pay attention to the specification of Q · W, size of engraving character. (Details [☞](#) Left page)

ⓘ Please place order by the character order of molding products.

**Order** Part Number — L — P — Characters for engraving (1~0, A~Z)

CPH1T4 — 35.00 — A

CPHB1T3 — 30.00 — P2.80 — A

**Days to Ship** **Quotation**

**Alterations** Part Number — L — P — Characters for engraving (1~0, A~Z) — (AKC · AWC...etc.)

CPHB2T3 — 30.00 — P2.80 — AB — AWC60

Alteration details <a href="#">☞</a> P.395			
Alterations	Code	Spec.	1Code
	AKC	Head angle alteration AKC=1° increments 0 < AKC < 360 ⓘ No need to designate AKCO	<b>Quotation</b>
	AWC	Head angle alteration (2 planes) AWC=1° increments 0 ≤ AWC < 360	
	HC	Head diameter change HC=0.1mm increments (D or P) ≤ HC < H ⓘ In relation to the diameter tolerance, alteration may create a straight piece with little diameter difference between the head and shaft.	
	HCC	Head diameter change (precision) HCC=0.1mm increments (D or P) + 0.5 ≤ HCC < H - 0.3	
	TC	Head thickness change TC=0.1mm increments 1.5 ≤ TC < 4 (Dimension L remains unchanged.) 4 - TC ≤ Lmax - L	<b>Quotation</b>
	TRN	Relief under the head (Makes plate chamfering unnecessary)	
	NHC	Numbering on the head How to order <a href="#">☞</a> P.396 ⓘ Available when H ≥ 2	