STRAIGHT CORE PINS WITH ENGRAVING

—CONCAVE CHARACTER TYPE—

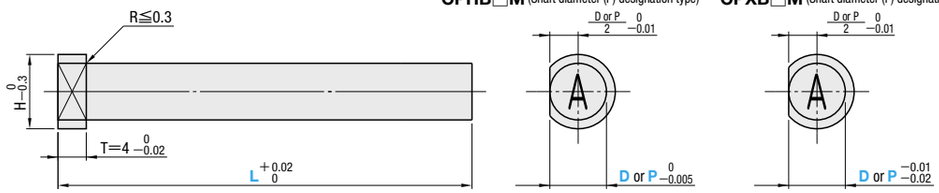
P.433 The convenient "Sequential numbering designation" is now available for bulk order！！

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

RoHS

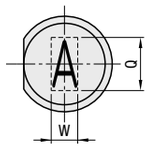
Type	M	H HRC	T D or P	T L
CPH□M	SKH51 equivalent	58～60	0 −0.005	+0.02 0
CPHB□M				
CPX□M			−0.01 −0.02	
CPXB□M				

CPH□M (Shaft diameter (D) selection type)
CPHB□M (Shaft diameter (P) designation type)
CPX□M (Shaft diameter (D) selection type)
CPXB□M (Shaft diameter (P) designation type)



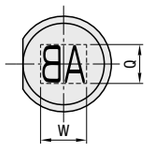
To decide the shape processing position, process a key flat cutting on the standard 0°.

1M (1 character)



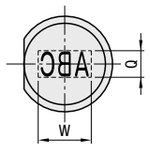
D or P	Q	W
0.60～ 0.79	0.4	0.2
0.80～ 0.99	0.6	0.3
1.00～ 1.29	0.8	0.4
1.30～ 1.49	1.0	0.5
1.50～ 1.99	1.2	0.6
2.00～ 2.49	1.5	0.8
2.50～ 3.49	2.0	1.0
3.50～ 4.49	3.0	1.5
4.50～ 5.49	3.5	2.0
5.50～10	4.5	2.5

2M (2 characters)



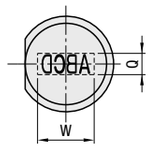
D or P	Q	W
1.00～ 1.19	0.5	0.7
1.20～ 1.39	0.6	0.8
1.40～ 1.59	0.7	0.9
1.60～ 1.79	0.7	1.0
1.80～ 1.99	0.8	1.1
2.00～ 2.29	0.8	1.2
2.30～ 2.99	1.0	1.3
3.00～ 3.99	1.5	2.0
4.00～ 4.99	2.0	2.6
5.00～ 5.99	2.5	3.3
6.00～ 7.99	3.0	3.9
8.00～10	4.0	5.2

3M (3 characters)



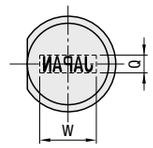
D or P	Q	W
1.50～ 1.69	0.6	1.0
1.70～ 1.99	0.6	1.2
2.00～ 2.39	0.7	1.4
2.40～ 2.79	0.8	1.7
2.80～ 3.09	0.8	1.8
3.10～ 4.49	1.0	2.1
4.50～ 5.49	1.5	3.2
5.50～ 6.99	2.0	4.2
7.00～10	2.5	5.3

4M (4 characters)



D or P	Q	W
1.80～ 1.89	0.5	1.2
1.90～ 2.19	0.5	1.4
2.20～ 2.49	0.6	1.6
2.50～ 2.79	0.6	1.8
2.80～ 3.09	0.7	2.0
3.10～ 3.59	0.8	2.2
3.60～ 3.89	0.8	2.4
3.90～ 5.49	1.0	2.9
5.50～ 6.99	1.5	4.4
7.00～10	2.0	5.8

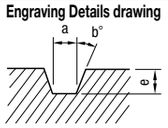
5M (5 characters)



D or P	Q	W
2.00～ 2.19	0.5	1.6
2.20～ 2.39	0.5	1.7
2.40～ 2.69	0.6	1.8
2.70～ 2.99	0.6	2.0
3.00～ 3.29	0.7	2.2
3.30～ 3.69	0.7	2.4
3.70～ 4.09	0.7	2.6
4.10～ 4.49	0.8	2.8
4.50～ 4.99	0.8	3.0
5.00～ 6.99	1.0	3.7
7.00～10	1.5	5.6

Core Pins	Finished products
Reverse character (Concave character)	Normal character (Convex embossed character)

Engraving Details drawing



Groove width(a)	(0.1×Q)±0.05
Drafts for pulling(b°)	30° ±2°
Groove depth(e)	0.05±0.02

Price **Quotation**

■Shaft diameter (D) selection type

H	Part Number Type	Character	D	L 0.01mm increments
3	CPH (D 0 −0.005) CPX (D −0.01 −0.02)	1M 2M 3M 4M 5M	0.6 0.7 0.8 0.9 1 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2 2.5 3	10.00～100.00
4				
5				
6				
7			3.5 4	10.00～120.00
8			4.5 5	10.00～120.00
9			5.5 6 6.5 7	CPH□M only 10.00～150.00
10				
11			8	
15			10	

Please place order by the character order of molding products.

Characters for engraving (Round Gothic type)

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

Pay attention to the specification of Q・W, size of engraving character.(Details Left page)

Name	Slash	Greater	Less	Plus	Minus	Space
Characters for engraving	／	＞	＜	＋	－	⍽
Order code	¥	>	<	+	#	%

Name	Centered dot	Period
Characters for engraving	・	.
Order code	@	&

■Shaft diameter (P) designation 0.01mm increments type

H	Part Number Type	Character	No.	0.01mm increments L	P
3	CPHB (P 0 −0.005) CPXB (P −0.01 −0.02)	1M 2M 3M 4M 5M	0.8 1 1.5 2 2.5 3 3.5 4 4.5 5 5.5 6 6.5 7 8 10	10.00～100.00	0.60 ～ 0.79 0.80 ～ 0.99 1.00 ～ 1.49 1.50 ～ 1.99 2.00 ～ 2.49 2.50 ～ 2.99 3.00 ～ 3.49 3.50 ～ 3.99 4.00 ～ 4.49 4.50 ～ 4.99 5.00 ～ 5.49 5.50 ～ 5.99 6.00 ～ 6.49 6.50 ～ 6.99 7.00 ～ 7.99 8.00 ～ 9.99
4					
5					
6					
7				10.00～120.00	
8					
9				10.00～120.00	
10				CPHB□M only 10.00～150.00	
11					
15					

Please place order by the character order of molding products.

Characters for engraving (Round Gothic type)

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

Pay attention to the specification of Q・W, size of engraving character.(Details Left page)

Name	Slash	Greater	Less	Plus	Minus	Space
Characters for engraving	／	＞	＜	＋	－	⍽
Order code	¥	>	<	+	#	%

Name	Centered dot	Period
Characters for engraving	・	.
Order code	@	&

Order — Part Number — L — P — Characters for engraving (0～9, A～Z ／＞＜＋－⍽・.) — Days to Ship **Quotation**

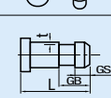
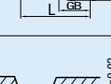
CPH4M6 — 35.00 — — ＞PS＜
CPHB5M8 — 30.00 — P7.30 — ABC5Z

Alterations — Part Number — L — P — Characters for engraving (0～9, A～Z ／＞＜＋－⍽・.) — (AKC・AWC…etc.)

CPHB5M8 — 30.00 — P7.30 — ABC5Z — AWC60

Alteration details P.395

Alterations	Code	Spec.	1Code
	AKC	Head angle alteration AKC=1° increments 0<AKC<360	Quotation
	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	

Alterations	Code	Spec.	1Code
	TRN	Relief under the head (Makes plate chamfering unnecessary)	Quotation
	NHC	Numbering on the head How to order P.396 Available when H≧2	
	GVC	Gas vent machining GS・GB=1mm increments 2≦GS≦10 GS+2≦GB≦30 L−GB≧10 Available when D or P≧2.00 How to order P.396	
	EC	Engraving depth alteration ・EC0.1 Engraving depth is changed from 0.05→0.1. ・EC0.2 Engraving depth is changed from 0.05→0.2. Refer to for shaft diameter selection range and character size (Q×P).	