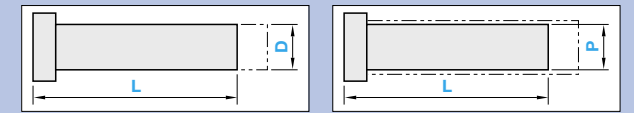


NAK80 DH2F  
SUS440C  
MAS1C

# STRAIGHT CORE PINS

-SHAFT DIAMETER (D) SELECTION / SHAFT DIAMETER (P) DESIGNATION · L DIMENSION DESIGNATION · SHAFT DIAMETER TOLERANCE  $\frac{-0.01}{-0.02}$  /  $\frac{0}{-0.005}$  TYPE-



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

Type	Type		M	H	L	
	Shaft diameter (D) selection	Shaft diameter (P) designation			D or P	L
CPN-L	CPNB-L	NAK80	37~43HRC	-0.01 -0.02	+0.02 0	
	CPF-L	DH2F	38~42HRC			
	CPA-L	MAS1C	50~54HRC			
CPK-L	CPKB-L	NAK80	37~43HRC	0 -0.005	+0.02 0	
	CPG-L	DH2F	38~42HRC			
	CPY-L	MAS1C	50~54HRC			
CPW-L	CPWB-L	SUS440C	56~60HRC			

**P** Price **Quotation**

MAS1C will be discontinued when stocked materials are finished.

## Shaft diameter (D) selection type

H	Part Number Type	D	L
			0.01mm increments
3	CPW-L	0.6	7.00~100.00
		0.7	
		0.8	
		0.9	
		1	
		1.1	
		1.2	
		1.3	
		1.4	
		1.5	
4	CPN-L	1.6	7.00~120.00
		1.7	
		1.8	
		1.9	
		2	
		2.5	
		3	
		3.5	
		4	
		4.5	
8	CPW-L	5	7.00~120.00
		5.5	
		6	
		6.5	
		7	
		8	
		10	
		13	
		16	
		21	

## Shaft diameter (P) designation type

H	Part Number Type	No.	L	P
			0.01mm increments	0.01mm increments
3	CPWB-L	1	7.00~100.00	0.60~0.79
		1.5		
		2		
4	CPNB-L	2.5	7.00~120.00	1.50~1.99
		3		
		3.5		
7	CPAB-L (P≤3.99)	4	7.00~120.00	3.00~3.49
		4.5		
		5		
8	CPKB-L	5.5	8.00~120.00	4.00~4.49
		6		
		6.5		
10	CPYB-L (P≤3.99)	7	8.00~120.00	4.50~4.99
		8		
		8		
15	CPWB-L	10	8.00~120.00	5.00~5.49
		13		
		16		

**Order**  
 Shaft diameter (D) selection type: Part Number - L  
 CPW-L1.6 - 72.35  
 Shaft diameter (P) designation type: Part Number - L - P  
 CPKB-L3 - 35.72 - P2.77

**Days to Ship** **Quotation**  
**Alterations**  
 Part Number - L - P - (KC · WKC...etc.)  
 CPG -L1.6 - 72.35 - HC 3.0  
 CPKB-L3 - 35.72 - P2.77 - TC 2.0

Alterations	Code	Spec.	1Code
	KC	Single flat cutting (D or P)/2 ≤ KC < H/2	About Designation Unit for Key Flat Cutting
	WKC	Two flats cutting (D or P)/2 ≤ WKC < H/2	
	KAC	Varied width parallel flats cutting (D or P)/2 ≤ KAC < H/2 KBC = 0.1mm increments only KAC < KBC < H/2	(1) To align the key flat with the shaft diameter Unit of designation
	KBC		
	RKC	Two flats (right angled) cutting (D or P)/2 ≤ RKC < H/2	Shaft diameter (D) selection 0.05mm increments possible Shaft diameter (P) designation 0.005mm increments
	DKC	Three flats cutting (D or P)/2 ≤ DKC < H/2	
	SKC	Four flats cutting (D or P)/2 ≤ SKC < H/2	Quotation
	KGC	Two flats (angled) cutting (D or P)/2 ≤ KGC < H/2 0 < AG < 360 AG = 1° increments Unit of designation 0.1mm	
	KTC	Three flats cutting at 120° (D or P)/2 ≤ KTC < H/2	

Alterations	Code	Spec.	1Code
	HC	Head diameter change HC = 0.1mm increments (D or P) ≤ HC < H CPY-L/CPYB-L (D or P) + 0.5 ≤ HC < H Ⓢ In relation to the diameter tolerance, alteration may create a straight piece with little diameter difference between the head and shaft.	Quotation
	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 (Dimension L remains unchanged.) 4 - TC ≤ Lmax. - L	Quotation
	TRN	Relief under the head (No need for plate chamfering)	
	NHC	Numbering on the head How to order <b>P.396</b> Ⓢ Available when H ≥ 2 Ⓢ Combination with SKC not available.	
	GVC	Gas vent machining GS · GB = 1mm increments Ⓢ 2 ≤ GS ≤ 10 GS + 2 ≤ GB ≤ 30 Ⓢ Available when D or P ≥ 2 L - GB ≥ 10 How to order <b>P.396</b>	

Ⓢ Similar products with GVC alteration "Gas release core pins" **P.409**



Straight Core Pins  
Standard