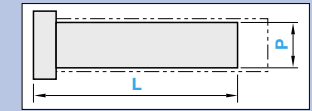



Dies Steel
SKD61 equivalent
High Speed Steel
SKH51 equivalent

STRAIGHT CORE PINS

—SHAFT DIAMETER (P) DESIGNATION • L DIMENSION DESIGNATION TYPE—

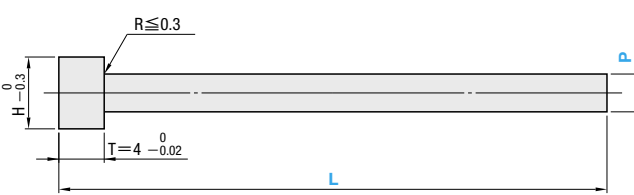


Ⓜ Non JIS material definition is listed on P.1351 - 1352



RoHS

Type	M	H	Group	T	
				P	L
CPDB-L	SKD61 equivalent	48~52HRC	Standard	-0.01 -0.02	+0.02 0
CPXB-L	SKH51 equivalent	58~60HRC			
CPPB-L	SKD61 equivalent	48~52HRC			
CPHB-L	SKH51 equivalent	58~60HRC	Precision	0 -0.005	+0.01 0
CPZB-L	SKD61 equivalent	48~52HRC			
CPVB-L	SKH51 equivalent	58~60HRC			
CPMB-L	SKH51 equivalent	58~60HRC	Extra Precision	0 -0.003	+0.01 0



H	Standard		Precision		Type	
	Part Number	L	P			
			0.01mm increments	0.005mm increments		
2	CPXB-L CPHB-L CPVB-L	0.5	7.00~60.00	0.30~0.49	0.300~0.495	
			0.6	0.50~0.59	0.500~0.595	
3		1	7.00~100.00	0.60~0.99	0.600~0.995	
				1.5	1.00~1.49	1.000~1.495
				2	1.50~1.99	1.500~1.995
4		2	2.00~2.49	2.000~2.495		
5		2.5	2.50~2.99	2.500~2.995		
6		3	3.00~3.49	3.000~3.495		
7	CPDB-L	4	7.00~120.00	3.50~3.99	3.500~3.995	
8	CPXB-L	4.5	4.00~4.49	4.000~4.495		
	CPPB-L	5	7.00~120.00	4.50~4.99	4.500~4.995	
9	CPHB-L	5.5	CPHB-L only 7.00~150.00	5.00~5.49	5.000~5.495	
	CPZB-L	6	5.50~5.99	5.500~5.995		
10	CPVB-L	6.5	6.00~6.49	6.000~6.495		
		7	6.50~6.99	6.500~6.995		
11		8	8.00~120.00	7.00~7.99	7.000~7.995	
15		10	CPHB-L only 8.00~150.00	8.00~9.99	8.000~9.995	
18		13	10.00~12.99	10.000~12.995		
21		16	13.00~15.99	13.000~15.995		
25		20	16.00~19.99	16.000~19.995		

H	Extra Precision		Type	
	Part Number	L	P	
			0.01mm increments	0.001mm increments
2		0.5	7.00~60.00	0.300~0.499
		0.6		0.500~0.599
3		1	7.00~100.00	0.600~0.999
				1.5
4		2	1.500~1.999	
5		2.5	2.000~2.499	
6		3	2.500~2.999	
7		3.5	3.000~3.499	
8	CPMB-L	4	3.500~3.999	
		4.5	4.000~4.499	
9		5	4.500~4.999	
		5.5	5.000~5.499	
10		6	5.500~5.999	
		6.5	6.000~6.499	
11		7	6.500~6.999	
15		8	8.00~100.00	7.000~7.999
18		10	8.000~9.999	
		13	10.000~12.999	

Order **Part Number** — **L** — **P**
 CPPB-L3 — 35.72 — P2.77 Days to Ship

Quotation

P Price **Quotation**

Alterations Part Number — **L** — **P** — (KC · WKC...etc.)
 CPPB-L3 — 35.72 — P2.70 — KC1.5
 CPMB-L3 — 8.00 — P2.990 — TC3.0

Alterations	Code	Spec.	1Code
	KC	Single flat cutting P/2 ≤ KC < H/2 P ≥ 0.6	About Designation Unit for Key Flat Cutting
	WKC	Two flats cutting P/2 ≤ WKC < H/2 P ≥ 0.6	
	KAC	Varied width parallel flats cutting P/2 ≤ KAC < H/2 KBC = 0.1mm increments only P ≥ 0.6 KAC < KBC < H/2	(1) To align the key flat with the shaft diameter Unit of designation
	KBC		
	RKC	Two flats (right angled) cutting P/2 ≤ RKC < H/2 P ≥ 0.6	0.005mm increments possible Precision
	DKC	Three flats cutting P/2 ≤ DKC < H/2 P ≥ 0.6	0.0025mm increments possible Extra precision type 0.0005mm increments possible
	SKC	Four flats cutting P/2 ≤ SKC < H/2 P ≥ 0.6	Quotation
	KGC	Two flats (angled) cutting P/2 ≤ KGC < H/2 P ≥ 0.6 0 < AG < 360 AG = 1° increments	
	KTC	Three flats cutting at 120° P/2 ≤ KTC < H/2, P ≥ 0.6	Unit of designation 0.1mm

Alterations	Code	Spec.	1Code
	HC	Head diameter change HC = 0.1mm increments P ≤ HC < H P ≥ 0.3 Ⓜ 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 P + 0.5 ≤ HCC < H - 0.3, P ≥ 0.6	
	TC	Head thickness change TC = 0.1mm increments (Dimension L remains unchanged.) 4 - TC ≤ Lmax - L	
	TRN	Relief under the head (No need for plate chamfering) Available when P ≥ 0.6	
	NHC	Numbering on the head How to order P.396 Ⓜ Available when H ≥ 2 Ⓜ Combination with SKC not available.	
	LKC	L dimension tolerance alteration L + 0.01... + 0.005 (L designation in 0.005mm increments possible) Available when 1.5 ≤ P ≤ 5 Ⓜ Available when CPMB-L	
	GVC	Gas vent machining GS · GB = 1mm increments Ⓜ Available when P ≥ 2 Ⓜ 2 ≤ GS ≤ 10 GS + 2 ≤ GB ≤ 30 L - GB ≥ 10 How to order P.396	

Ⓜ Similar products with GVC alteration "Gas release core pins" **P.407~410**

Straight Core Pins

Standard

Precision

Extra Precision

Quotation