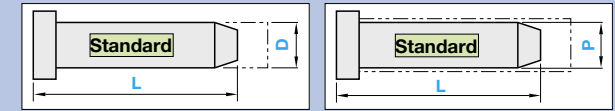


STRAIGHT CORE PINS WITH TIP PROCESS

—SHAFT DIAMETER (D) SELECTION / SHAFT DIAMETER (P) DESIGNATION (0.01mm INCREMENTS) TYPE—



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

	RoHS		Part Number		
			Type	Shape	
		SKD61 equivalent 48~52HRC	Shaft diameter (D) selection type	C	-0.01 -0.02
			CPDJL	G	
			CPDJBL	T	
				R	
			Shaft diameter (P) designation type	B	

Shape (Tip shape)

Shape C (C chamfered)

When no C specified
C=0.4±0.1
C...0.1mm increments
 $0.1 \leq C \leq \frac{(D \text{ or } P) - 0.2}{2}$
and
L-C ≥ 9.5

When CKC code is used
CKC=0.05mm increments

Shape G (Cone)

K...0.5° increments
20 ≤ K ≤ 60
and
(L-ℓ) ≥ 10

ℓ calculation formula
(D or P)
 $\ell = \frac{D \text{ or } P}{2 \tan K}$

Shape T (Tapered)

F...0.01mm increments
K...1° increments

F ≥ 12.00
and
 $0.3 \leq (L-F) \leq \frac{1}{2}$
and
 $\frac{(D \text{ or } P)}{2} - (L-F) \tan K \geq 0.1$

Shape R (R chamfered)

When no R specified
R=0.4±0.1

R...0.1mm increments
 $0.2 \leq R \leq \frac{(D \text{ or } P) - 0.2}{2}$
and
L-R ≥ 10

Shape B (Spherical processed)

When RC code is used
RC=0.1mm increments
(D or P)/2 ≤ RC ≤ 3 × (D or P)
(Shaft diameter designation)
{P < 4 ... P/2 ≤ RC ≤ (1.5 × P)}
Ⓜ However, RC ≤ 32
and
L-ℓ ≥ 10

Fixed dimension for R
Spherical processed (SR)
{R(SR) = $\frac{(D \text{ or } P)}{2}$ }

ℓ calculation formula
 $\ell = RC - \sqrt{RC^2 - \frac{(D^2 \text{ or } P^2)}{4}}$

Shaft diameter (D) selection type

H	T	Part Number		L	Shape (Tip size)	U/Price 1~4					
		Type	Shape			0.01mm increments	C	G	T	R	B
8	6	CPDJL	C	4	30.00~120.00	Shape C C...0.1mm increments Ⓜ When no C specified C=0.4±0.1 Shape G K...0.5° increments Shape T F...0.01mm increments K...1° increments Shape R R...0.1mm increments Ⓜ When no R specified R=0.4±0.1 Refer to the working limits shown in the drawing.					
			G	4.5							
			T	5							
			R	5.5							
			B	6							
9			G	6							
10			T	6							
11			R	6.5							
13	8			7							
15				8							

Shaft diameter (P) designation type

H	T	Part Number		L	P	Shape (Tip size)	U/Price 1~4				
		Type	Shape				No.	0.01mm increments	0.01mm increments	C	G
8	6	CPDJBL	C	4	30.00~120.00	Shape C C...0.1mm increments Ⓜ When no C specified C=0.4±0.1 Shape G K...0.5° increments Shape T F...0.01mm increments K...1° increments Shape R R...0.1mm increments Ⓜ When no R specified R=0.4±0.1 Refer to the working limits shown in the drawing.					
			G	5							
			T	6							
			R	8							
			B	10							
9			G	5							
10			T	6							
13	8			8							
15				10							

Order **Part Number** — **L** — **P** — **Tip size (C·F·K·R)** Days to Ship **Quotation**

CPDJBLT 5 — 32.58 — P4.10 — F21.06 — K1

Price **Quotation**

Alterations **Part Number** — **L** — **P** — **Tip size C(CKC)·F·K·R(RTC)** — (KC·WKC...etc.) — (KC·WKC...etc.)

CPDJBLC 5 — 33.62 — P4.10 — CKC0.50

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 KBC	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
	RKC DKC	Two flats (right angled) cutting (D or P)/2 ≤ RKC < H/2	(Unit of designation) Shaft diameter (D) selection 0.05mm increments possible Shaft diameter (P) designation 0.005mm increments possible
	SKC	Four flats cutting (D or P)/2 ≤ SKC < H/2	(Unit of designation) 0.1mm
	KGC	Two flats (angled) cutting (D or P)/2 ≤ KGC < H/2 0 < AG < 360 AG=1° increments	(2) To designate arbitrary key flat dimensions
	KTC	Three flats cutting at 120° (D or P)/2 ≤ KTC < H/2	
	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.	

Alteration details P.395

Alterations	Code	Spec.	1Code
	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 T/2 ≤ TC < T (Dimension L remains unchanged.) T - TC ≤ Lmax. - L	
	TRN	Relief under the head (No need for plate chamfering)	
	NHC	Numbering on the head How to order P.396 Ⓜ Combination with SKC not available.	Quotation
	CKC	Improves C chamfering tolerance C ± 0.05 → ± 0.02 0.1 ≤ CKC ≤ (D or P - 0.2)/2 Ⓜ L - CKC ≥ 9.5 Ⓜ Available for [Shape] C only CKC=0.05mm increments	
	RTC	Improves tip R tolerance R ± 0.1 → ± 0.05 0.2 ≤ RTC ≤ (D or P - 0.2)/2 Ⓜ L - RTC ≥ 10 Ⓜ Available for [Shape] R only RTC=0.1mm increments	
	RC	Tip R alteration RC=0.1mm increments Ⓜ (D or P)/2 < RC ≤ RCmax. and L - ℓ ≥ 10 Ⓜ Shaft diameter (D or P) < 4 → RCmax. = 1.5 × (D or P) Ⓜ Shaft diameter (D or P) ≥ 4 → RCmax. = 3 × (D or P) Ⓜ However, RC ≤ 32 Ⓜ Available for [Shape] B only	