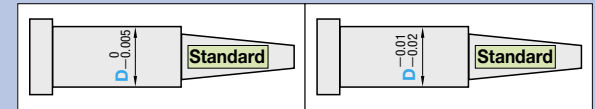


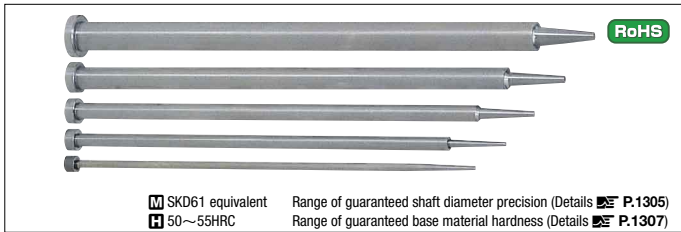
Dies Steel
SKD61 equivalent
D $\begin{matrix} 0 \\ -0.005 \end{matrix}$ / $\begin{matrix} -0.01 \\ -0.02 \end{matrix}$

ONE-STEP CENTER PINS

—SHAFT DIAMETER (D) SELECTION TIP (A · V) TOLERANCE : $\pm 0.01 / \pm 0.02$ TYPE—



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



SKD61 equivalent Range of guaranteed shaft diameter precision (Details P.1305)
H 50~55HRC Range of guaranteed base material hardness (Details P.1307)

Type	D	Head Thickness (T)	Applicable ejector sleeve hole tolerance
CPP-5	$\begin{matrix} 0 \\ -0.005 \end{matrix}$	4mm (T4)	$\begin{matrix} +0.005 \\ 0 \end{matrix}$ Details P.1309
CPD-5	$\begin{matrix} -0.01 \\ -0.02 \end{matrix}$		$\begin{matrix} +0.01 \\ 0 \end{matrix}$ or H7 Details P.1309
CPDK-5			

Step (Step type) Select from A~E in the drawings below

Step A

Step B

Step C

Step D

Step E

Shape (Tip shape : V is dimension before tip processing.)

(Not processed) Designation of the shape is unnecessary when tip processing is not required. $\alpha = 0$

C (C chamfered) $0.5 \leq G < V/2$
0.1mm increments $\alpha = G \theta < 45^\circ$
(Calculation of θ P.1315)

G (Cone) $20 < K \leq 60$
1° increments $\alpha = \frac{V}{2 \tan K} \theta < K$
(Calculation of θ P.1315)

T (Tapered) $0.1 \leq S < \frac{V}{2 \tan K}$
0.1mm increments $20 < K \leq 45$
1° increments $\alpha = S \theta < K$
(Calculation of θ P.1315)

R (R chamfered) $0.2 \leq Q < V/2$
0.1mm increments $\alpha = Q$

B (Spherical processed) $\alpha = V/2$

H	Part Number			0.01mm increments				0.1mm increments	ℓ max.	
	Type	Step	Shape	D	L	F	A	C · R		
3	CPP-5 CPD-5 CPDK-5	A B C D E	C G T R B	1.5	70.00~200.00	F ≥ 50.00	D > A ≥ V No need to designate A when [Step] A is selected.	0.50	[Step] D only 0.1 ≤ C ≤ 1.5 and C < D-A/2	20
4				2	70.00~250.00			0.70		25
5				2.5	70.00~300.00			1.00		30
6				3				1.50		35
7				3.5				2.00		40
8				4	70.00~500.00			4.5	45	
9				5				R ≥ 0.3 and R ≤ D-A/2	50	
10				5.5						
11				6						
15				6.5						
17				8						
				10						
	12									

Ⓜ Refer to the drawing for ℓ min. (normally, $\alpha = 0$)

Order Part Number - L - F - A - V - C(R) - Tip size (K · S · G · Q)
CPP-5EB6 - 350.00 - F330.00 - A5.00 - V4.50 - R0.5

Days to Ship Quotation

Alterations Part Number - L - F - A - V - C(R) - Tip size (K · S · G · Q) - (KC · WKC...etc.)
CPP-5EB6 - 350.00 - F330.00 - A5.00 - V4.00 - R0.5 - KC3.0

Alteration details P.351

Alterations	Code	Spec.	1Code	Alterations	Code	Spec.	1Code
	KC	Single flat cutting D/2 ≤ KC < H/2			TC	TC=0.1mm increments 2.0 ≤ TC < 4 4 - TC ≤ Lmax. - L (Dimensions L and F remain unchanged.)	
	WKC	Two flats cutting D/2 ≤ WKC < H/2			NC	Dowel hole boring Available when H ≥ 4 Combination with other than NHC · NHN · AC · RR not available.	
	KAC KBC	Varied width parallel flats cutting D/2 ≤ KAC < H/2 KBC=0.1mm increments only KAC < KBC < H/2	About Designation Unit for Key Flat Cutting		NCW	Dowel hole boring + Spring pin driving Available when H ≥ 4 Combination with other than NHC · NHN · AC · RR not available.	
	RKC	Two flats (right angled) cutting D/2 ≤ RKC < H/2	(1) To align the key flat with the shaft diameter Unit of designation 0.05mm increments possible		NHC	Numbering on the head How to order P.352 Available when H ≥ 2	
	DKC	Three flats cutting D/2 ≤ DKC < H/2	(2) To designate arbitrary key flat dimensions		NHN	Automatic sequential numbering on the head How to order P.352 Available when H ≥ 2	
	KGC	Two flats (angled) cutting D/2 ≤ KGC < H/2 AG=1° increments 0 < AG < 360	Unit of designation 0.1mm		AC	Changes the standard angle (Ks=45°). AC=1° increments 30 ≤ AC ≤ 60 Available for [Step] C · D Combination with RR not available When [Step] D, C ≤ 1.0, A + 2(C · tan AC) < D	
	KTC	Three flats cutting at 120° D/2 ≤ KTC < H/2			RR	Changes R (normally 0.2 or less) to R0.3~0.5. (for strength improvement) Designation method RR Available for [Step] B · C · D D - A ≥ 1.0 When [Step] D, C ≥ 0.5	
	HC	HC=0.1mm increments D ≤ HC < H In relation to the diameter tolerance, alteration may create a straight piece with little diameter difference between the head and shaft.					
	HCC	HCC=0.1mm increments D + 1 ≤ HCC < H - 0.3					

Price Quotation