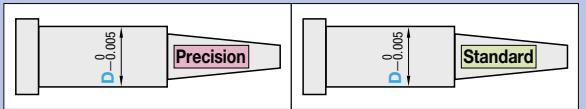


High Speed Steel
SKH51 equivalent
 $D_{-0.005}$

ONE-STEP CENTER PINS

—SHAFT DIAMETER (D) SELECTION TIP (A · V) TOLERANCE : $\pm 0.005 / \pm 0.01$ TYPE—



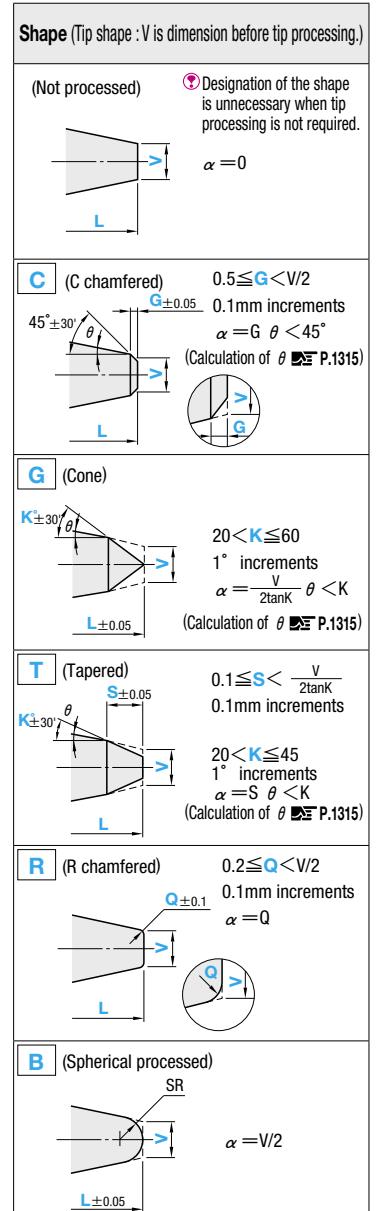
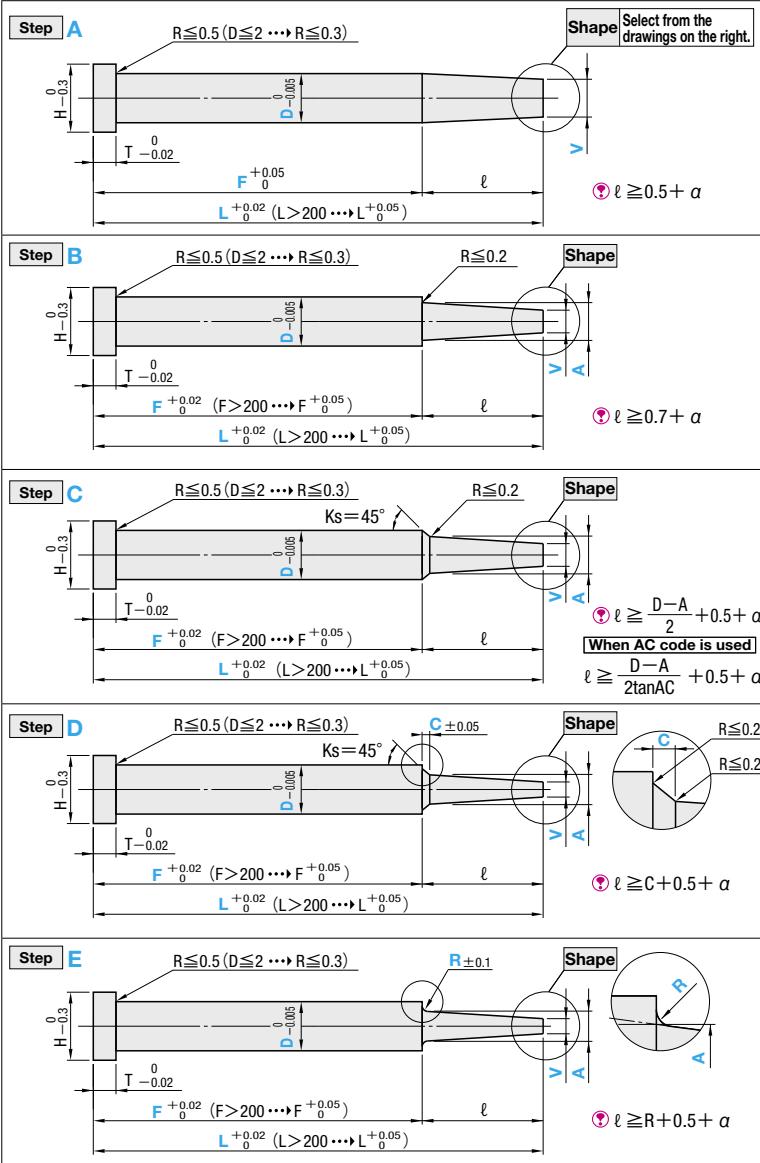
Non JIS material definition is listed on P.1351 - 1352

Refer to shaft diameter designation type **P.357** when shaft diameter is designated.



Type	$\frac{D}{T}$	Head Thickness (T)	Applicable ejector sleeve hole tolerance
CPH-5		4mm (T4)	$+0.005$
CPV-5		-0.005	0
CPHJ-5		4 · 6 · 8mm(JIS)	$+0.01$
CPVJ-5		-0.005	$+0.01$

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



4mm head		JIS head		Part Number				0.01mm increments				0.1mm increments	
4mm head		JIS head		Type	Step	Shape	D	L	F	A	Vmin.	C · R	l max.
3		3		CPH-5	A	C	1	70.00~200.00				0.50	15
4		4			B	G	1.5	70.00~250.00				0.70	20
5		5			C	T	2	70.00~300.00				1.00	25
6		6			D	R	2.5					1.50	30
7		7			E	B	3					2.00	35
8	4	8	6	CPV-5			3.5						40
9		9		CPHJ-5			4						45
10		10		CPVJ-5			4.5						50
11		11					5						
12		12					5.5						
13		13					6						
14		14					6.5						
15		15					7	70.00~350.00					
17		17					8						

Step E is $D \geq 1.5$ 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)
CPH-5EC 6 — 350.00 — F330.00 — A5.00 — V4.50 — R0.5 — G2.0

Quotation Days to Ship

Alterations Part Number — L — F — A — V — C(R) — Tip size (K · S · G · Q) — (KC · WKC · etc.)
CPH-5EC 6 — 350.00 — F330.00 — A5.00 — V4.50 — R0.5 — G2.0 — KC3.0

Alteration details **P.351**

Alterations	Code	Spec.	1Code	Alterations	Code	Spec.	1Code
	VKC	Single flat cutting (precision) $D/2 \leq VKC < H/2$			HC	$HC = 0.1\text{mm increments}$ $D \leq HC < H, D \geq 1.5$	
	VWC	Two flats cutting (precision) $D/2 \leq VWC < H/2$			HCC	$HCC = 0.1\text{mm increments}$ $D + 1 \leq HCC < H - 0.3, D \geq 1.5$	
	KC	Single flat cutting $D/2 \leq KC < H/2$	About Designation Unit for Key Flat Cutting		TC	$TC = 0.1\text{mm increments}$ $T/2 \leq TC < L, D \geq 1.5$ $T - TC \leq L_{max.} - L$ (Dimensions L and F remain unchanged.)	
	WKC	Two flats cutting $D/2 \leq WKC < H/2$			NC	Dowel hole boring Available when $H \geq 4$ Combination with other than NHC · NHN · AC · RR not available.	
	KAC	Varied width parallel flats cutting $D/2 \leq KAC < H/2$ KBC = 0.1mm increments only			NCW	Dowel hole boring + Spring pin driving Available when $H \geq 4$ Combination with other than NHC · NHN · AC · RR not available.	
	RKC	Two flats (right angled) cutting $D/2 \leq RKC < H/2$			NHC	Numbering on the head How to order P.352 Available when $H \geq 2$	
	DKC	Three flats cutting $D/2 \leq DKC < H/2$			NHN	Automatic sequential numbering on the head How to order P.352 Available when $H \geq 2$	
	KGC	Two flats (angled) cutting $D/2 \leq KGC < H/2$ $AG = 1^\circ$ increments $0 < AG < 360$			AC	Changes the standard angle ($Ks = 45^\circ$). $AC = 1^\circ$ increments Available for Step C · D Combination with RR not available. When Step D, $C \leq 1.0, A + 2(C \times \tan AC) < D$	
	KTC	Three flats cutting at 120° $D/2 \leq KTC < H/2$			RR	Changes R (normally 0.2 or less) to $R0.3 \sim 0.5$. (for strength improvement) Designation method RR Available for Step B · C · D D - A ≥ 1.0 When Step D, $C \geq 0.5$	

P Price

Quotation

Center pins
Step

High Speed Steel
SKH51 equivalent