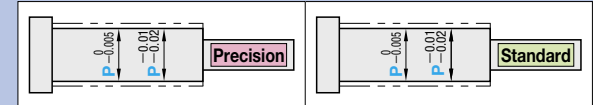


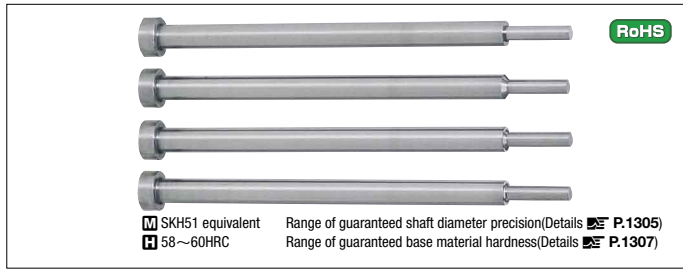
High Speed Steel
SKH51 equivalent
P $\begin{matrix} 0 \\ -0.005 \end{matrix} / \begin{matrix} -0.01 \\ -0.02 \end{matrix}$

TAPERLESS ONE-STEP CENTER PINS

— SHAFT DIAMETER (P) DESIGNATION (0.01mm INCREMENTS) TIP (A) TOLERANCE $\begin{matrix} 0 \\ -0.005 \end{matrix} / \begin{matrix} -0.01 \\ -0.02 \end{matrix}$ TYPE—



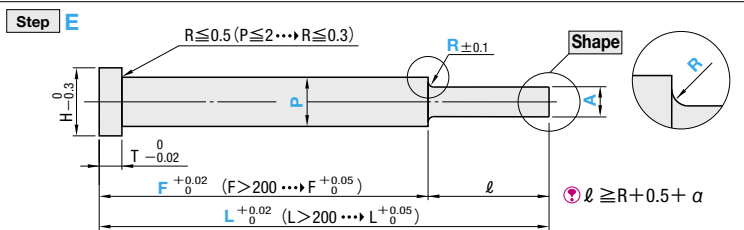
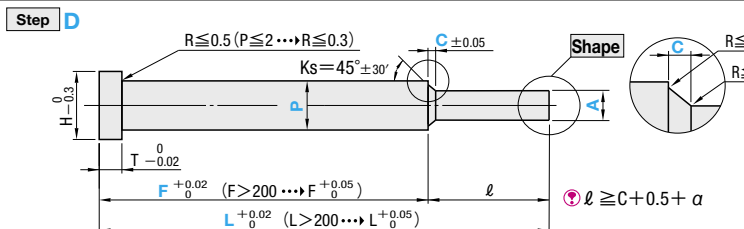
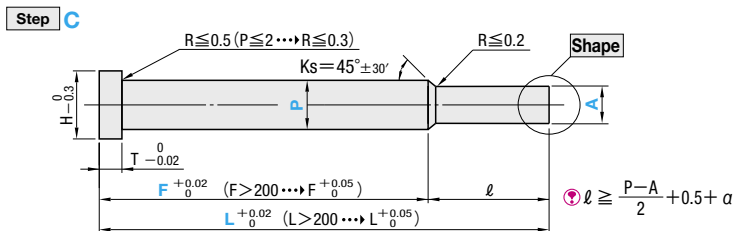
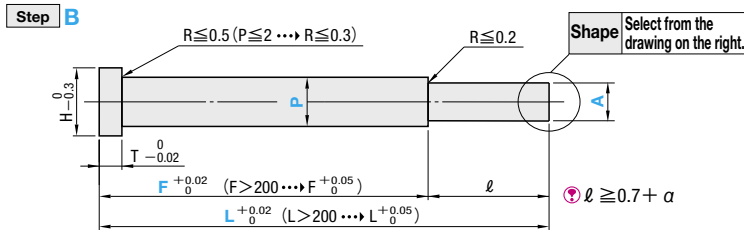
Ⓜ Non JIS material definition is listed on P.1351 - 1352



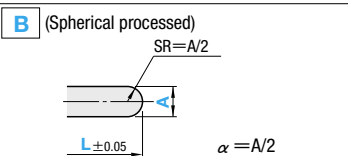
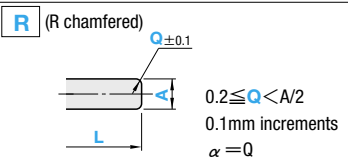
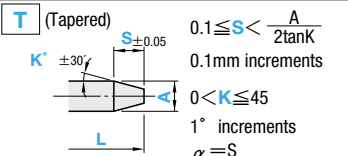
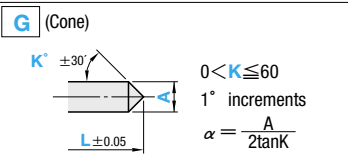
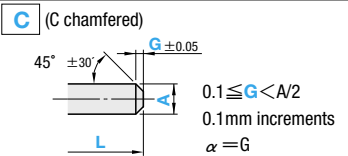
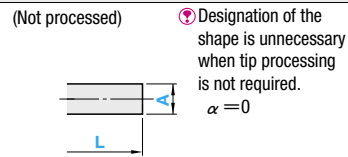
Type	Head thickness (T)	Applicable ejector sleeve hole tolerance
CPHSG-5 CPVSG-5 CPHSJG-5 CPVSJG-5	4mm (T4) 6 · 8mm (JIS)	$\begin{matrix} +0.005 \\ 0 \end{matrix}$ Details \mathcal{P} P.1309
CPHSGE-5 CPVSGE-5 CPHSJGE-5 CPVSJGE-5	4mm (T4) 6 · 8mm (JIS)	$\begin{matrix} +0.01 \text{ or } H7 \\ 0 \end{matrix}$ Details \mathcal{P} P.1309

SKH51 equivalent Range of guaranteed shaft diameter precision (Details \mathcal{P} P.1305)
58~60HRC Range of guaranteed base material hardness (Details \mathcal{P} P.1307)

Step (Step type) Select from B~E in the drawing below.



Shape (Tip shape)



4mm head	JIS head		Part Number					0.01mm increments				0.1mm increments		ℓmax.																												
	H	T	Type	Step	Shape	No.	L	P	F	A	Amin.	C · R																														
3			CPHSG-5 CPVSG-5 CPHSJG-5 CPVSJG-5 CPHSGE-5 CPVSGE-5 CPHSJGE-5 CPVSJGE-5	B	C	1	70.00~150.00	0.80~0.99	F ≥ 50.00	When tolerance P $\begin{matrix} 0 \\ -0.005 \end{matrix}$	0.50	Step D only	ℓ ≤ 12XA and ℓ ≤ 35																													
4		1.5				150.01~200.00	0.90~0.99	When tolerance P $\begin{matrix} 0 \\ -0.005 \end{matrix}$						0.70	0.1 ≤ C ≤ 1.5																											
5		2				70.00~250.00	1.00~1.49									When tolerance P $\begin{matrix} 0 \\ -0.005 \end{matrix}$	1.00	and C < P-A/2																								
6		2.5					1.50~1.99												When tolerance P $\begin{matrix} 0 \\ -0.005 \end{matrix}$	1.50	Step E only																					
7		3					2.00~2.49															When tolerance P $\begin{matrix} 0 \\ -0.005 \end{matrix}$	2.00	and R ≥ 0.3																		
8	4	3.5				70.00~300.00	2.50~2.99																		When tolerance P $\begin{matrix} 0 \\ -0.005 \end{matrix}$	2.00	R ≤ (P-A)/2															
9		4					3.00~3.49																					When tolerance P $\begin{matrix} 0 \\ -0.005 \end{matrix}$	2.00													
10		4.5					3.50~3.99																								When tolerance P $\begin{matrix} 0 \\ -0.005 \end{matrix}$	2.00										
11		5					4.00~4.49																											When tolerance P $\begin{matrix} 0 \\ -0.005 \end{matrix}$	2.00							
15		5.5					4.50~4.99																														When tolerance P $\begin{matrix} 0 \\ -0.005 \end{matrix}$	2.00				
17		6					5.00~5.49																																	When tolerance P $\begin{matrix} 0 \\ -0.005 \end{matrix}$	2.00	
		6.5					5.50~5.99																																			
		7		6.00~6.49	When tolerance P $\begin{matrix} 0 \\ -0.005 \end{matrix}$	2.00																																				
		8		6.50~6.99				When tolerance P $\begin{matrix} 0 \\ -0.005 \end{matrix}$	2.00																																	
		10		7.00~7.99							When tolerance P $\begin{matrix} 0 \\ -0.005 \end{matrix}$	2.00																														
		12		8.00~9.99										When tolerance P $\begin{matrix} 0 \\ -0.005 \end{matrix}$	2.00																											
				10.00~11.99													When tolerance P $\begin{matrix} 0 \\ -0.005 \end{matrix}$	2.00																								

Order Part Number — L — P — F — A — C(R) — Tip size (K · S · G · Q)
CPHSG-5E6 — 350.00 — P5.95 — F330.00 — A4.95 — R0.5

Days to Ship **Quotation**

Alterations Part Number — L — p — F — A — C(R) — Tip size (K · S · G · Q) — (KC · WK · etc.)
CPHSG-5E6 — 350.00 — P5.95 — F330.00 — A4.95 — R0.5 — KC3.0

Alteration details \mathcal{P} P.381

Alterations	Code	Spec.	1Code
	VKC	Precision single flat cutting P/2 ≤ VKC < H/2	
	VWC	Precision two flats cutting P/2 ≤ VWC < H/2	
	KC	Single flat cutting P/2 ≤ KC < H/2	
	WKC	Two flats cutting P/2 ≤ WKC < H/2	
	KAC	Varied width parallel flats cutting P/2 ≤ KAC < H/2	
	KBC	KBC = 0.1mm increments only KAC < KBC < H/2	
	RKC	Two flats (right angled) cutting P/2 ≤ RKC < H/2	
	DKC	Three flats cutting P/2 ≤ DKC < H/2	
	KGC	Two flats (angled) cutting P/2 ≤ KGC < H/2	
	KTC	Three flats cutting at 120° P/2 ≤ KTC < H/2	

Alterations	Code	Spec.	1Code
	HC	HC = 0.1mm increments P ≤ HC < H, P ≥ 1.5	
	HCC	HCC = 0.1mm increments P + 1 ≤ HCC < H - 0.3, P ≥ 1.5	
	TC	TC = 0.1mm increments T/2 ≤ TC < T, P ≥ 1.5	
	NC	Dowel hole boring Available when H ≥ 4	
	NCW	Dowel hole boring + Spring pin driving Available when H ≥ 4	
	NHC	Numbering on the head How to order \mathcal{P} P.382	
	NHN	Automatic sequential numbering on the head How to order \mathcal{P} P.382	
	RR	Changes R (normally 0.2 or less) to R0.3~0.5 (Improves strength) [Designation method] RR	

Price **Quotation**

Group	Type		Shape (Tip shape) A			
	4mm head	JIS head	Step B	Step C	Step D	Step E
Standard	CPHSG-5	CPHSJG-5	A $\begin{matrix} 0 \\ -0.01 \end{matrix}$	A $\begin{matrix} 0 \\ -0.01 \end{matrix}$	A $\begin{matrix} 0 \\ -0.01 \end{matrix}$	A $\begin{matrix} 0 \\ -0.01 \end{matrix}$
Precision	CPVSG-5	CPVSJG-5	A $\begin{matrix} 0 \\ -0.005 \end{matrix}$	A $\begin{matrix} 0 \\ -0.005 \end{matrix}$	A $\begin{matrix} 0 \\ -0.005 \end{matrix}$	A $\begin{matrix} 0 \\ -0.005 \end{matrix}$
Standard	CPHSGE-5	CPHSJGE-5	A $\begin{matrix} 0 \\ -0.01 \end{matrix}$	A $\begin{matrix} 0 \\ -0.01 \end{matrix}$	A $\begin{matrix} 0 \\ -0.01 \end{matrix}$	A $\begin{matrix} 0 \\ -0.01 \end{matrix}$
Precision	CPVSGE-5	CPVSJGE-5	A $\begin{matrix} 0 \\ -0.005 \end{matrix}$	A $\begin{matrix} 0 \\ -0.005 \end{matrix}$	A $\begin{matrix} 0 \\ -0.005 \end{matrix}$	A $\begin{matrix} 0 \\ -0.005 \end{matrix}$

High Speed Steel SKH51 equivalent

Taperless Center Pins