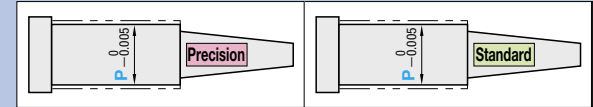


High Speed Steel
SKH51 equivalent
P_{-0.005}

ONE-STEP CENTER PINS

—SHAFT DIAMETER (P) DESIGNATION (0.01mm INCREMENTS) TIP (A · V) TOLERANCE : ±0.005/±0.01 TYPE—



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

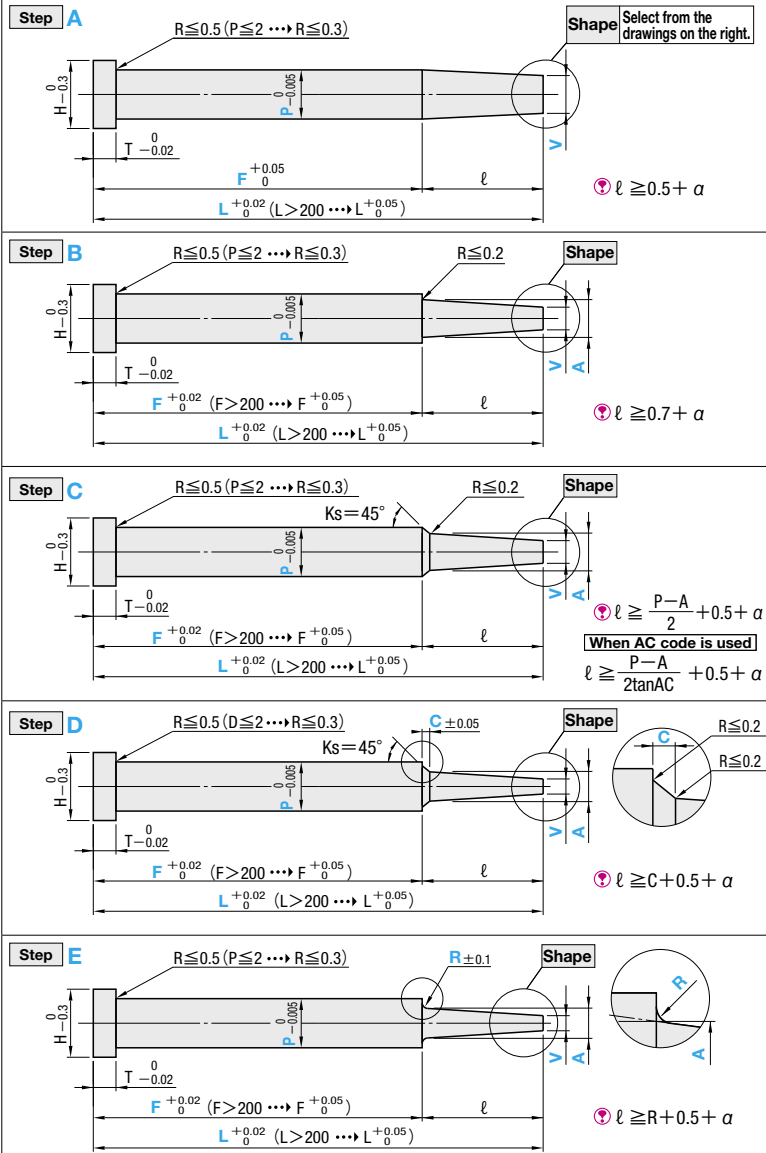
Ⓜ For shaft diameter selection type, refer to P.353.



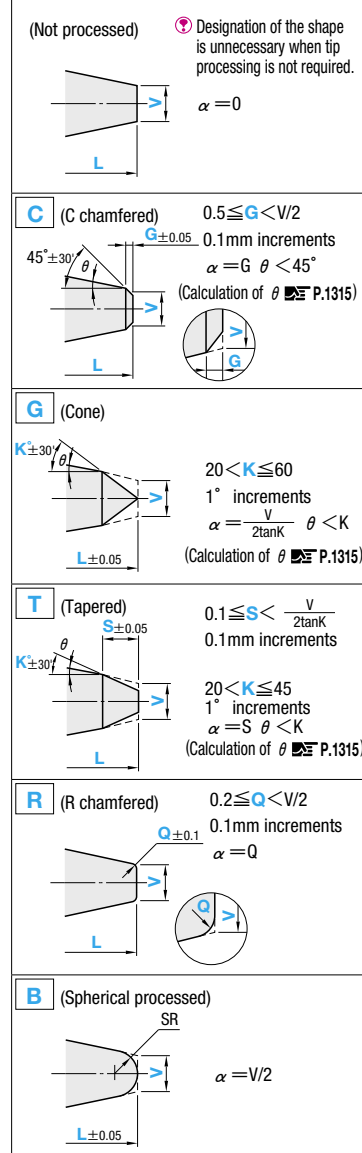
Ⓜ SKH51 equivalent Range of guaranteed shaft diameter precision (Details P.1305)
Ⓜ 58~60HRC Range of guaranteed base material hardness (Details P.1307)

Type	P	Head Thickness (T)	Applicable ejector sleeve hole tolerance
CPHG-5	-0.005	4mm (T4)	+0.005 Please note that the usage of center pins of shaft diameter tolerance -0.005 and ejector sleeves of V dimension tolerance +0.01 and H7 is inappropriate since the fit length is too long. Details P.1309
CPVG-5		4 · 6 · 8mm (JIS)	
CPHJG-5			
CPVJG-5			

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



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



4mm head	JIS head	Part Number				0.01mm increments					0.1mm increments	ℓ																	
		Type		Step	Shape	No.	L	P	F	A			Vmin.	C · R	max.														
H	T	H	T								4mm head	JIS head																	
3	3	3	4	CPHG-5 CPVJG-5	CPHJG-5 CPVJG-5	A B C D E	C G T R B	Designation is unnecessary when tip processing is not required.	1	70.00~150.00	0.80~0.89	P>A≥V No need to designate A when Step A is selected. F≥50.00	P>A≥V No need to designate A when Step A is selected. F≥50.00	0.50	15														
4	4	4	4						1.5	70.00~200.00	0.90~0.99					0.1≤C≤1.5 and C<P-A/2	[Step] D only	20											
5	5	5	5						2	70.00~250.00	1.00~1.49								[Step] E only	25									
6	6	6	6						2.5	70.00~300.00	1.50~1.99										R≥0.3 and R≤P-A/2	30							
7	7	7	7						3	70.00~300.00	2.00~2.49												40						
8	8	8	8						3.5		2.50~2.99													45					
9	9	9	9						4		3.00~3.49														50				
10	10	10	10						4.5		3.50~3.99															50			
11	11	11	11						5		4.00~4.49																50		
15	15	15	15						5.5		4.50~4.99																	50	
17	17	17	17						6		5.00~5.49																		50
									6.5		5.50~5.99																		
				7	6.00~6.49	50																							
				7.5	6.50~6.99		50																						
				8	7.00~7.99			50																					
				10	8.00~9.99				50																				
				12	10.00~11.99					50																			

Ⓜ [Shape] C · G · T · R · B is No.1.5 (P≥1.00)~ Ⓜ [Step] E is No.1.5 (P≥1.10)~ Ⓜ Refer to the drawing for ℓ min. (normally, α=0)

Order Part Number — L — P — F — A — V — C(R) — Tip size (K · S · G · Q)
CPHG-5EB 6 — 350.00 — P5.95 — F330.00 — A5.00 — V4.50 — R0.5

Days to Ship Quotation

Alterations Part Number — L — P — F — A — V — C(R) — Tip size (K · S · G · Q) — (KC · WKC...etc.) — KC3.0

Alterations	Code	Spec.	1Code	Alterations	Code	Spec.	1Code
	VKC	Single flat cutting (precision) P/2≤VKC<H/2			HCC	HCC=0.1mm increments P+1≤HCC<H-0.3, P≥1.5 In relation to the diameter tolerance, alteration may create a straight piece with little diameter difference between the head and shaft.	
	VWC	Two flats cutting (precision) P/2≤VWC<H/2			TC	TC=0.1mm increments T/2≤TC<T, P≥1.5 T-TC≤Lmax. — L (Dimensions L and F remain unchanged.)	
	KC	Single flat cutting P/2≤KC<H/2			NC	Dowel hole boring Available when H≥4 Combination with other than NHC · NHN · AC · RR not available.	
	WKC	Two flats cutting P/2≤WKC<H/2			NCW	Dowel hole boring + Spring pin driving Available when H≥4 Combination with other than NHC · NHN · AC · RR not available.	
	KAC	Varied width parallel flats cutting P/2≤KAC<H/2 KBC=0.1mm increments only KAC<KBC<H/2			NHC	Numbering on the head How to order P.352 Available when H≥2	
	RKC	Two flats (right angled) cutting P/2≤RKC<H/2			NHN	Automatic sequential numbering on the head How to order P.352 Available when H≥2	
	DKC	Three flats cutting P/2≤DKC<H/2			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×tanAC)<P	
	KGC	Two flats (angled) cutting P/2≤KGC<H/2 AG=1° increments 0<AG<360			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 P-A≥1.0 When [Step] D, C≥0.5	
	KTC	Three flats cutting at 120° P/2≤KTC<H/2					

Price Quotation