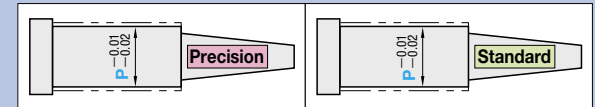


ONE-STEP CENTER PINS

—SHAFT DIAMETER (P) DESIGNATION (0.01mm INCREMENTS) TIP (A · V) TOLERANCE : ±0.005/±0.01/±0.02 TYPE—



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

Ⓜ For shaft diameter selection type, refer to P.355.



Type	P	Head Thickness (T)	Applicable ejector sleeve hole tolerance
CPXGE-5	-0.01 -0.02	4mm (T4)	+0.01 or H7 Details P.1309
CPHGE-5			
CPVGE-5			
CPXJGE-5			
CPHJGE-5			
CPVJGE-5	4 · 6 · 8mm (JIS)		

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.

C (C chamfered) 0.5 ≤ G < V/2
0.1mm increments
α = G θ < 45°
(Calculation of θ P.1315)

G (Cone)
20 < K ≤ 60
1° increments
α = V / (2tanK) θ < K
(Calculation of θ P.1315)

T (Tapered)
0.1 ≤ S < V / (2tanK)
0.1mm increments
20 < K ≤ 45
1° increments
α = S θ < K
(Calculation of θ P.1315)

R (R chamfered) 0.2 ≤ Q < V/2
0.1mm increments
α = Q

B (Spherical processed)
SR
α = V/2

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.															
3	3	CPXGE-5 CPHGE-5 CPVGE-5 CPXJGE-5 CPHJGE-5 CPVJGE-5	CPXJGE-5 CPHJGE-5 CPVJGE-5								A B C D E	C G T R B				1	70.00~150.00	0.80~0.99	F ≥ 50.00	No need to designate A when Step A is selected.	P > A ≥ V	0.50	15							
4	4			1.5	150.01~200.00	0.90~0.99	0.1 ≤ C ≤ 1.5 and C < (P-A)/2	Step D only	20																					
5	5			2	70.00~250.00	1.00~1.49				25																				
6	6			2.5	70.00~250.00	1.50~1.99							30																	
7	7			3	70.00~300.00	2.00~2.49								35																
8	8			3.5	70.00~300.00	2.50~2.99									40															
9	9			4	70.00~300.00	3.00~3.49										45														
10	10			4.5	70.00~300.00	3.50~3.99											50													
11	11			5	70.00~350.00	4.00~4.49												Step E only												
15	15			5.5	70.00~350.00	4.50~4.99																		R ≥ 0.3 and R ≤ (P-A)/2						
17	17			6	70.00~350.00	5.00~5.49																			2.00					
				6.5	70.00~350.00	5.50~5.99																								
				7	70.00~350.00	6.00~6.49																								
				8	70.00~350.00	6.50~6.99																								
				10	70.00~350.00	7.00~7.99																								
				12	70.00~350.00	8.00~9.99																								
					70.00~350.00	10.00~11.99																								

Ⓜ [Shape] C · G · T · R · B is No.1.5 (P ≥ 1.0) ~ Ⓜ [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)
CPHGE-5ET 6 — 350.00 — P5.95 — F330.00 — A5.00 — V4.50 — R0.5 — K35 — S1.0

Days to Ship **Quotation**

Alterations Part Number — L — P — F — A — V — C(R) — Tip size (K · S · G · Q) — (KC · WKC...etc.)
CPHGE-5ET 6 — 350.00 — P5.95 — F330.00 — A5.00 — V4.50 — R0.5 — K35 — S1.0 — KC3.0

Alteration details P.351

Alterations	Code	Spec.	1Code	Alterations	Code	Spec.	1Code
	VKC	Single flat cutting (precision) P/2 ≤ VKC < H/2			HC	HC=0.1mm increments P ≤ HC < H, 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			HCC	HCC=0.1mm increments P+1 ≤ HCC < H-0.3, P ≥ 1.5	
	KC	Single flat cutting P/2 ≤ KC < H/2	About Designation Unit for Key Flat Cutting		TC	TC=0.1mm increments T/2 ≤ TC < T, P ≥ 1.5 T - TC ≤ Lmax. - L (Dimensions L and F remain unchanged)	
	WKC	Two flats cutting P/2 ≤ WKC < H/2	(1) To align the key flat with the shaft diameter		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 P/2 ≤ KAC < H/2 KBC=0.1mm increments only KAC < KBC < H/2	Unit of designation 0.005mm increments possible		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 P/2 ≤ RKC < H/2	(2) To designate arbitrary key flat dimensions		NHC	Numbering on the head How to order P.352 Ⓜ Available when H ≥ 2	
	DKC	Three flats cutting P/2 ≤ DKC < H/2	Unit of designation 0.1mm		NHN	Automatic sequential numbering on the head How to order P.352 Ⓜ Available when H ≥ 2	
	KGC	Two flats (angled) cutting P/2 ≤ KGC < H/2 AG=1° increments 0 < AG < 360			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	
	KTC	Three flats cutting at 120° P/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 Ⓜ P-A ≥ 1.0 When [Step] D, C ≥ 0.5	

Price **Quotation**