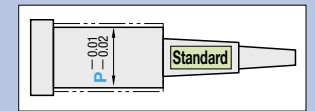


# TWO-STEP CORE PINS

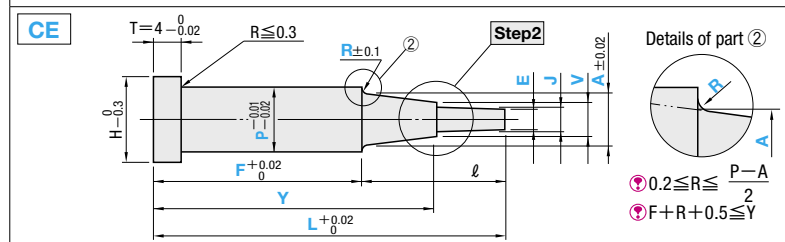
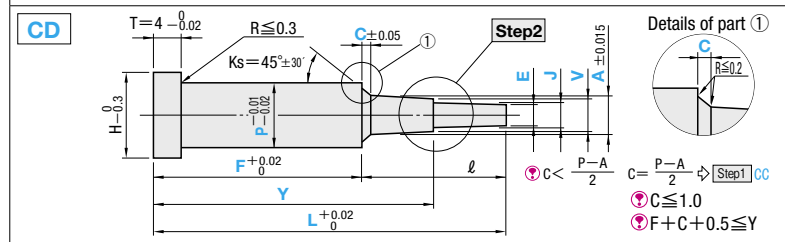
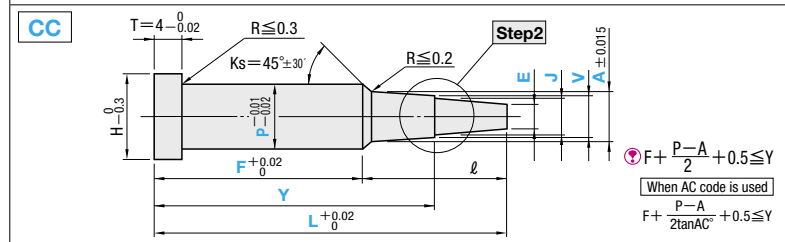
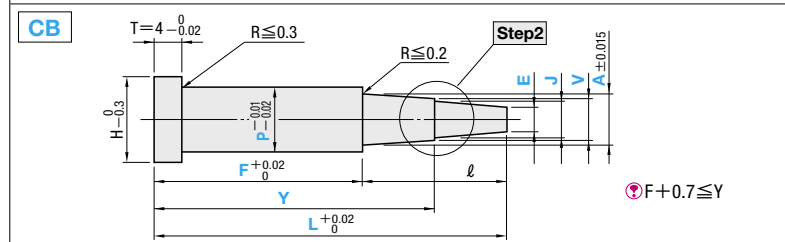
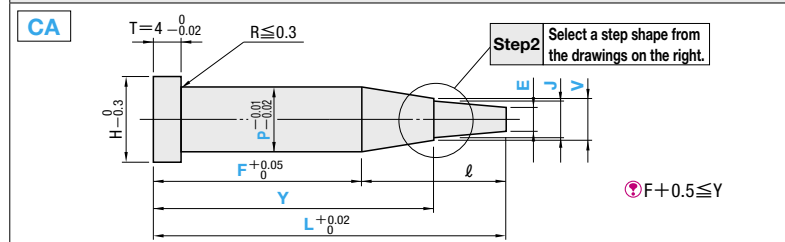
—SHAFT DIAMETER (P) DESIGNATION (0.01mm INCREMENTS) • SHAFT DIAMETER TOLERANCE  $\pm 0.01$  TYPE—



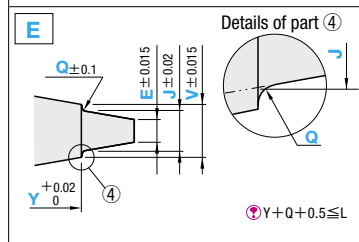
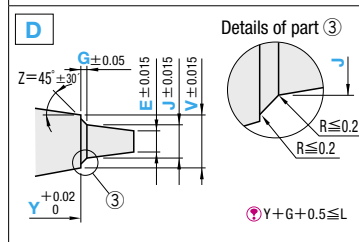
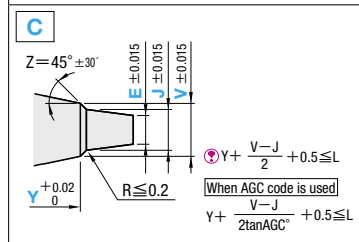
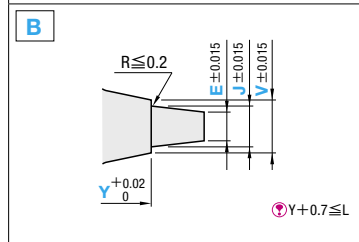
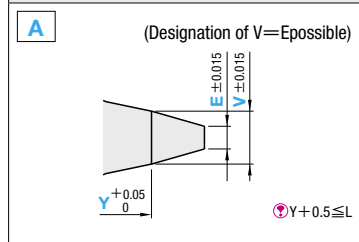
Ⓜ Non JIS material definition is listed on P.1351 - 1352

Part Number	RoHS		
	Step 1	Material code	Step 2
CA	NB	NAK80 37~43HRC	A
		DH2F 38~42HRC	
		SKD61 equivalent 48~52HRC	
		SKH51 equivalent 58~60HRC	
		MAS1C 50~54HRC	
CB	FB		B
CC	DB		C
CD	XB		D
CE	AB		E

## Step1 (shape for first step) select from CA~CE below



## Step2 (shape for second step)



H	Part Number		0.01mm increments										0.1mm increments				ℓmax.
	Step1	Material	Step2	No.	min. P max.	F	Y	A	V	J	Emin.	C	R	G	Q		
3				1.5	1.00~1.49						0.50					20.00	
4				2	1.50~1.99						0.70					25.00	
5	CA	NB	A	2.5	2.00~2.49						1.00					30.00	
6	CB	FB	B	3	2.50~2.99						1.50					35.00	
7	CB	FB	B	3.5	3.00~3.49						2.00					40.00	
8	CC	DB	C	4	3.50~3.99						2.50					45.00	
8	CC	DB	C	4.5	4.00~4.49						3.00					50.00	
8	CC	DB	C	5	4.50~4.99						3.50					55.00	
9	CD	XB	D	5.5	5.00~5.49						4.00					60.00	
9	CD	XB	D	6	5.50~5.99						4.50					65.00	
10	CE	AB	E	6.5	6.00~6.49						5.00					70.00	
10	CE	AB	E	7	6.50~6.99						5.50					75.00	
11				8	7.00~7.99						6.00					80.00	
15				10	8.00~9.99						7.00					90.00	
18				13	10.00~12.99						10.00					120.00	
21				16	13.00~15.99						13.00					150.00	
25		DB	XB	20	30.00	16.00~19.99	F<=28.00				5.00					60.00	

Order

Part Number	L	P	F	Y	A	V	J	E	C·R	G·Q
CBFB 6	62.10	P5.55	F42.00	Y53.25	A5.20	V4.70	J4.10	E3.50		
CDXBA 8	70.00	P7.25	F43.50	Y55.32	A5.00	V4.50	J4.00	E4.00	C0.5	
CENBE 6	55.75	P5.98	F43.50	Y48.76	A5.00	V4.80	J3.80	E3.00	R0.4	Q0.4

Days to Ship

Alterations

Quotation

Price Quotation

Part Number	L	P	F	Y	A	V	J	E	C·R	G·Q	(KC·WKC...etc.)
CEFB 5	56.50	P4.80	F48.00	Y52.00	A4.20	V4.10	J3.80	E3.00	R0.3	Q0.4	RKC2.4

Alterations	Code	Spec.	1Code	Alterations	Code	Spec.	1Code
	KC	Single flat cutting P/2<=KC<H/2			HC	Head diameter change P<=HC<H In relation to the diameter tolerance, alteration may create a straight piece with little diameter difference between the head and shaft.	
	WKC	Two flats cutting P/2<=WKC<H/2	About Designation Unit for Key Flat Cutting		HCC	Head diameter change (precision) HCC<=0.1mm increments P+0.5<=HCC<H-0.3	
	KAC	Varied width parallel flats cutting P/2<=KAC<H/2 KBC=0.1mm increments only KAC<KBC<H/2	(1) To align the key flat with the shaft diameter Unit of designation 0.005mm increments possible		TC	Head thickness change TC<=0.1mm increments 1.5<=TC<4 (Dimensions L, Y, and F remain unchanged) 4-TC<=Lmax.-L	
	RKC	Two flats (right angled) cutting P/2<=RKC<H/2			TRN	Relief under the head (No need for plate chamfering)	
	DKC	Three flats cutting P/2<=DKC<H/2			NHC	Numbering on the head How to order P.442 Available when H<=2 Combination with SKC not available.	
	SKC	Four flats cutting P/2<=SKC<H/2			AC	Changes the standard angle (Ks=45°). AC=1° increments Available for [Step1] CC/CD 30<=AC<=60 When [Step1] CD : A+2(C×tanAC)<P	
	KGC	Two flats (angled) cutting P/2<=KGC<H/2 0<AG<360 AG=1° increments Unit of designation 0.1mm			AGC	Changes the standard angle (Z=45°). AGC=1° increments Available for [Step2] C/D 30<=AGC<=60 When [Step2] D : J+2(J×tanAGC)<V	
	KTC	Three flats cutting at 120° P/2<=KTC<H/2			GVC	Gas vent machining GS·GB=1mm increments Available when P<=2.00 2<=GS<=10 GS+2<=GB<=30 Fmin.<=F-GB How to order P.442	