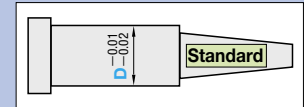


Dies Steel
SKD61 equivalent + Nitrided
D^{-0.01}_{-0.02}

ONE-STEP CENTER PINS WITH COOLING HOLE

—SHAFT DIAMETER (D) SELECTION TIP (A · V) TOLERANCE : ±0.02 TYPE—



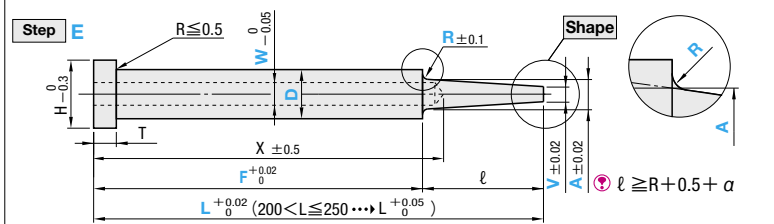
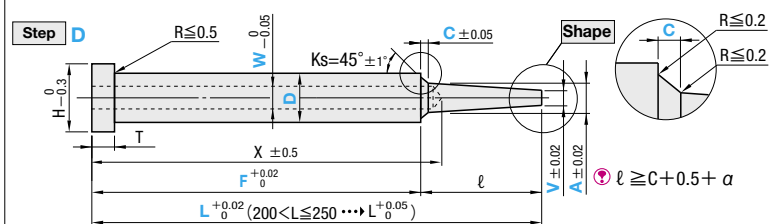
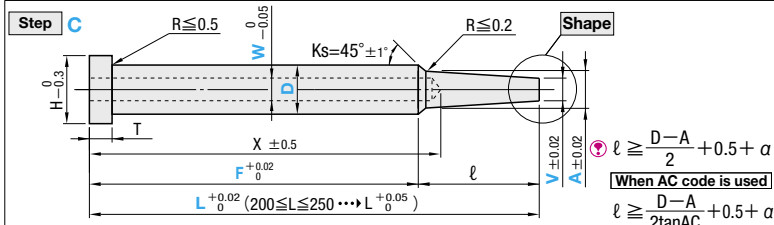
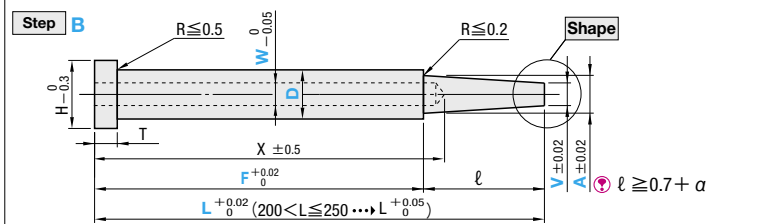
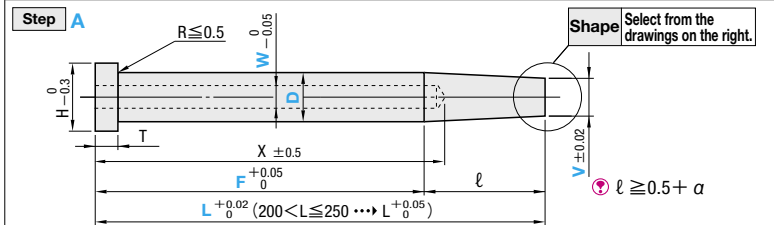
Non JIS material definition is listed on P.1351 - 1352



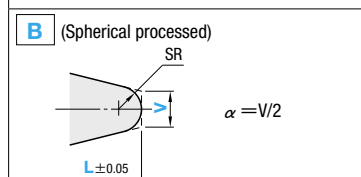
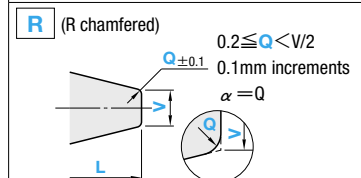
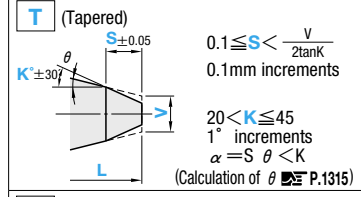
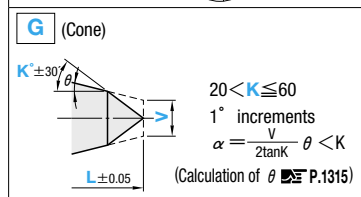
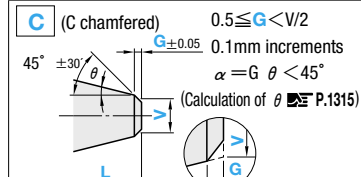
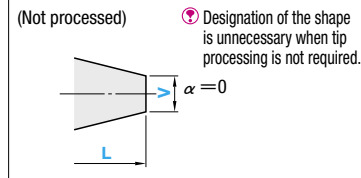
SKD61 equivalent + Nitrided Range of guaranteed shaft diameter precision (Details P.1305) Range of guaranteed surface hardness for nitriding (Details P.1308)
Surface 900HV Range of guaranteed base material hardness (Details P.1307) No nitriding on the tip (V) No nitriding to the cooling hole.
Base material 40±3HRC

Type	D	Head Thickness (T)	Head Thickness (T)	Applicable ejector sleeve hole tolerance
RDCPN-5	-0.01 -0.02	4mm (T4)	0 -0.02	+0.01 or H7
RDCPJ-5	D 12 -0.01 -0.03	6 · 8mm (JIS)	0 -0.05	Details P.1309

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				L	0.01mm increments			0.1mm increments	0.5mm increments	ℓ max.	X		
	H	T	Type		Step	Shape		D	F	A					Vmin.	C · R
9	10	6	RDCPN-5	RDCPJ-5	A B C D E	C G T R B	6	F ≥ 50.00	D > A ≥ V No need to designate A when [Step] A is selected.	5.00	[Step] D only	3.0	50	L-10	*Refer to under	
10	11	7					70.00~150.00			6.00	0.1 ≤ C ≤ 1.5 and	3.0				
11	4	13					8			70.00~200.00	7.00	C < $\frac{D-A}{2}$				4.0
15	15	10					70.00~250.00			8.00	[Step] E only	5 ≤ W ≤ V-3				
17	17	8					12			9.00	R ≥ 0.3 and	6 ≤ W ≤ V-3				
-	-	20					15			R ≤ $\frac{D-A}{2}$						
-	-	21					16									

Refer to the drawing for ℓ min. (normally, α=0) X dimension of *D=6: When ℓ ≥ 10, X=F. ℓ < 10, X=L-10.

Order Part Number - L - F - A - V - C(R) - Tip size (K · S · G · Q) - W
RDCPN-5ER10 - 175.00 - F150.00 - A9.00 - V8.50 - R0.5 - Q0.3 - W5.5

Days to Ship Quotation

Alterations Part Number - L - F - A - V - C(R) - Tip size (K · S · G · Q) - W - (KC · WKC...etc.)
RDCPN-5ER10 - 175.00 - F150.00 - A9.00 - V8.50 - R0.5 - Q0.3 - W5.5 - KC5.0

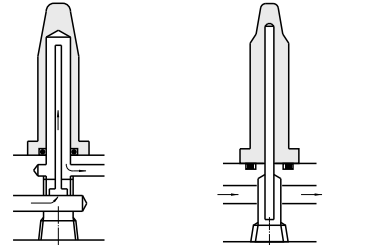
Alteration details P.351

Alterations	Code	Spec.	1Code
	KC	Single flat cutting D/2 ≤ KC < H/2	
	WKC	Two flats cutting D/2 ≤ WKC < H/2	
	KAC KBC	Varied width parallel flats cutting D/2 ≤ KAC < H/2 KBC = 0.1mm increments only KAC < KBC < H/2	Key Flat Cutting Unit of designation 0.1mm
	RKC	Two flats (right angled) cutting D/2 ≤ RKC < H/2	
	DKC	Three flats cutting D/2 ≤ DKC < H/2	
	KGC	Two flats (angled) cutting D/2 ≤ KGC < H/2 AG = 1° increments 0 < AG < 360	
	KTC	Three flats cutting at 120° D/2 ≤ KTC < H/2	
	HC	HC = 0.1mm increments D ≤ HC < H In relation to the diameter tolerance, alteration may create a straight piece with little diameter difference between the head and shaft.	
	HCC	HCC = 0.1mm increments D + 1 ≤ HCC < H - 0.3	

Alterations	Code	Spec.	1Code
	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 × tan AC) < D	
	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 D - A ≥ 1.0 When [Step] D, C ≥ 0.5	
	ZPC	O-ring groove machining (ORP refer to P.1137) [Designation method] [Code] O-ring (ORP) ZPC 3 H - h ≥ 2 T ≥ 4 No. ≥ W Combination with other than AC · RR not available.	

No.	h	t
3	6	
4	7	
5	8	
6	9	1.4
7	10	
8	11	
9	12	
10	13	
11	15	
12	16	1.8
14	18	

Price Quotation



Cooling pipe Heat exchange pipe
Please use cooling pipes or heat exchange pipes so as to increase cooling efficiency for the tip section of center pins.

Stepped Center Pins
Dies Steel SKD61 equivalent + Nitrided