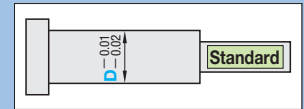


Dies Steel  
SKD61 equivalent+Nitrided  
D<sup>-0.01</sup><sub>-0.02</sub>

# TAPERLESS ONE-STEP CENTER PINS WITH COOLING HOLE

—SHAFT DIAMETER (D) FIXED TIP (A) TOLERANCE<sup>0</sup><sub>-0.02</sub> TYPE—



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

**RoHS**

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

Type	D	Head thickness (T)	Head Thickness (ℓ)	Applicable ejector sleeve hole tolerance
RDCPNS-5	<sup>-0.01</sup> <sub>-0.02</sub>	4mm (T4)	0 -0.02	<sup>+0.01</sup> or H7
RDCPJS-5	Ⓜ D>12 D <sup>-0.01</sup> <sub>-0.03</sub>	6・8mm (JIS)	0 -0.05	Details P.1309

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

**Step B**

**Step C**

**Step D**

**Step E**

### Shape (Tip shape)

(Not processed) Ⓜ Designation of the shape is unnecessary when tip processing is not required. α=0

**C** (C chamfered)

**G** (Cone)

**T** (Tapered)

**R** (R chamfered)

**B** (Spherical processed)

4mm head		JIS head		Part Number		0.01mm increments		0.01mm increments		0.1mm increments		0.5mm increments		ℓmax.	X
H	T	H	T	Type	Step	Shape	D	L	F	A	Amin.	C・R	W		
9	10	6	6	RDCPNS-5	RDCPJS-5	B C D E	6 7	70.00~150.00	F≥50.00	D-0.02>A≥Amin.	5.00	Step D only	3.0	ℓ≤12XA and ℓ≤35L-10	*Refer to under
10	11	8	8								6.00	0.1≤C≤1.5 and C<D-A/2	3.0		
11	4	13	8	RDCPNS-5	RDCPJS-5	B C D E	8 10 12 16	70.00~200.00	F≥50.00	D-0.02>A≥Amin.	7.00	Step E only	4.0	ℓ≤12XA and ℓ≤35L-10	*Refer to under
15	15	8	10								8.00	R≥0.3 and R≤D-A/2	5≤W≤A-3		
17	17	8	12								9.00		6≤W≤A-3		
-	-	21	16												

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

Alterations

Part Number - L - F - A - C(R) - W - Tip size (K・S・G・Q) - (KC・WKC...etc.)

RDCPJS-5DT16 - 220.00 - F185.00 - A14.00 - C0.3 - W10.0 - K30-S0.1 - KC8.0

Alteration details P.381

Alterations	Code	Spec.	1Code
	KC	Single flat cutting D/2≤KC<H/2	Quotation
	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	
	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

**RR**

Changes R (normally 0.2 or less) to R0.3~0.5 (Improves strength) [Designation method] RR  
Ⓜ Available for [Step] B・C・D  
Ⓜ D-A≥1.0 [Step] When D, C≥0.5

**ZPC**

O-ring groove machining (ORP refer to P.1137)  
Designation method: [Code] O-ring(ORP)  
3  
ZPC  
H-h≥2 T≥4 No.≥W  
Ⓜ Combination with other than RR not available.

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

Quotation

Order

Part Number - L - F - A - C(R) - Tip size (K・S・G・Q) - W

RDCPNS-5EG8 - 140.00 - F110.00 - A6.50 - R0.5 - K30 - W4.0

Days to Ship

Quotation

Price

Quotation

Example

Cooling pipe

Heat transaction pipe

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

Dies Steel  
SKD61 equivalent  
+ Nitriding  
Taperless  
Center Pins