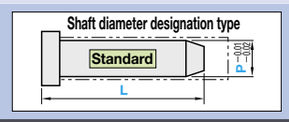
Dies Steel
SKD61 equivalent+Nitrided
P $^{-0.01}_{-0.02}$

STRAIGHT CENTER PINS WITH TIP PROCESS

—SHAFT DIAMETER (P) DESIGNATION (0.1mm INCREMENTS) TYPE—



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

RoHS

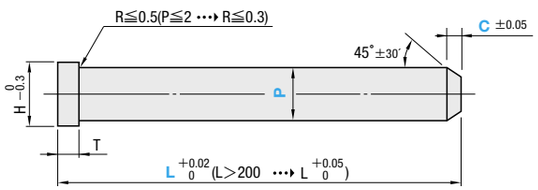
M SKD61 equivalent+Nitrided
H Surface 900HV～
Base material 40～45HRC

Range of guaranteed shaft diameter precision (Details P.1305)
Range of guaranteed base material hardness (Details P.1307)
Range of guaranteed shaft diameter precision (Details P.1308)
No nitriding on the tip.

Type	T P	Head thickness (T)	T Head thickness (T)	Applicable ejector sleeve hole tolerance
CPNG—5L	$^{-0.01}_{-0.02}$	4mm (T4)	$^{0}_{-0.02}$ (L＞300 $^{0}_{-0.05}$ ⋯▸T)	$^{+0.01}_{0}$ or H7 Detail P.1309
CPJG—5L	P＞12 $^{-0.01}_{-0.03}$ ⋯▸ P	6・8mm (JIS)	$^{0}_{-0.05}$	

Shape (Tip shape)

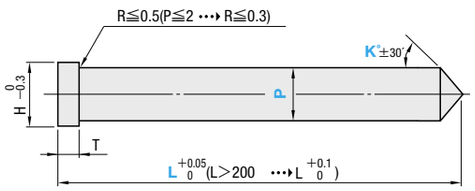
Shape C (C chamfered)



C⋯0.1mm increments

$0.1 \leqq C \leqq \frac{P-0.2}{2}$

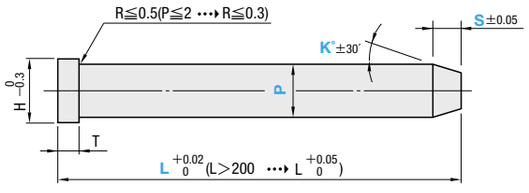
Shape G (Cone)



K⋯1° increments

45≦K＜90

Shape T (Tapered)



S⋯0.1mm increments

(L−S)≧45

and

0.1≦S≦P×2

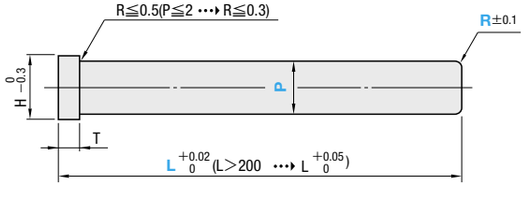
and

$\frac{P}{2}$−StanK≧0.1

K⋯1° increments

1≦K≦45

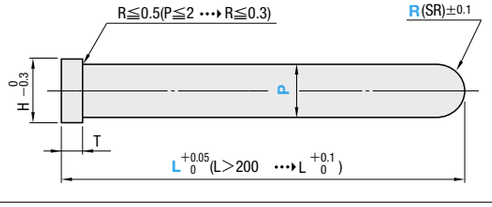
Shape R (R chamfered)



R⋯0.1mm increments

$0.2 \leqq R \leqq \frac{P-0.2}{2}$

Shape B (Spherical)



・Default R (SR)=$\frac{P}{2}$

* SR may be designated within $\frac{P}{2}$＜R≦2×P
R⋯ 0.1mm increments possible

Order

Part Number	L	P	Tip size(C・S・K・R)
CPNG—5LC5	100.00	P4.9	C1.0
CPJG—5LT5	100.00	P4.9	S2.0—K30

Days to Ship

Quotation

4mm head H	4mm head T	JIS head H	JIS head T	Part Number Type 4mm head	Part Number Type JIS head	Shape	No.	L 0.01mm increments	P 0.1mm increments
4	4	—	—	CPNG—5L	—	C G T R B	2	50.00～400.00	1.5～ 1.9
5							2.5		2.0～ 2.4
6							3	50.00～400.00	2.5～ 2.9
7		8	6		CPJG—5L		3.5		3.0～ 3.4
							4		3.5～ 3.9
8		9					4.5		4.0～ 4.4
							5	50.00～500.00	4.5～ 4.9
9		10					5.5		5.0～ 5.4
							6		5.5～ 5.9
10		11					6.5		6.0～ 6.4
							7		6.5～ 6.9
11		13	8				8		7.0～ 7.9
15		15					10		8.0～ 9.9
17		17					12		10.0～11.9
—	—	20		—			15		12.0～14.9
		21					16		15.0～15.9

Refer to the working limits shown in the drawing.

Shape C C⋯0.1mm increments

Shape G K⋯1° increments

Shape T S⋯0.1mm increments
K⋯1° increments

Shape R R⋯0.1mm increments

Shape B Default R (SR)=$\frac{P}{2}$
(R⋯0.1mm increments possible)

Alterations

Part Number	L	P	Tip size(C・S・K・R)	(KC・WKC⋯etc.)
CPNG—5LC5	100.00	P4.9	C1.0	HC7.0
CPJG—5LT5	100.00	P4.9	S2.0—K30	HC7.0

Alteration details P.338

Alterations	Code	Spec.	1Code
KC $^{0}_{-0.1}$	KC	Single flat cutting P/2≦KC＜H/2	
WKC $^{0}_{-0.1}$	WKC	Two flats cutting P/2≦WKC＜H/2	
KAC KBC $^{0}_{-0.1}$	KAC KBC	Varied width parallel flats cutting P/2≦KAC＜H/2 KBC=0.1mm increments only KAC＜KBC＜H/2	
RKC $^{0}_{-0.1}$	RKC	Two flats (right angled) cutting P/2≦RKC＜H/2	
DKC $^{0}_{-0.1}$	DKC	Three flats cutting P/2≦DKC＜H/2	
AG° ±0.5, 0°, KGC, KGC $^{0}_{-0.1}$	KGC	Two flats (angled) cutting P/2≦KGC＜H/2 AG=1° increments 0＜AG＜360	
120°, 120°, KTC $^{0}_{-0.1}$	KTC	Three flats cutting at 120° P/2≦KTC＜H/2	

About Designation Unit for Key Flat Cutting

(1)To align the key flat with the shaft diameter
Unit of designation 0.05mm increments possible

(2)To designate arbitrary key flat dimensions
Unit of designation 0.1mm

Quotation

Alterations	Code	Spec.	1Code
H, HC $^{0}_{-0.3}$	HC	HC=0.1mm increments P≦HC＜H In relation to the diameter tolerance, alteration may create a straight piece with little diameter difference between the head and shaft.	
H, HCC $^{0}_{-0.02}$	HCC	HCC=0.1mm increments P+1≦HCC＜H−0.3	
TC $^{0}_{-0.05}$, T	TC	TC=0.1mm increments T/2≦TC＜T T−TC≦Lmax.−L (Dimension L remains unchanged.)	
H, ℓ, d $^{+0.1}_{0}$, T	NC	Dowel hole boring ⊗ Combination with other than NHC・NHN not available	Quotation
H, ℓ1, d, T	NCW	Dowel hole boring+Spring pin driving ⊗ Combination with other than NHC・NHN not available	
217	NHC	Numbering on the head How to order P.338 Available when H≧2	
1 2 3	NHN	Automatic sequential numbering on the head How to order P.338 Available when H≧2	

T	d	ℓ
4	2	3
6 8	3	5

T	d	ℓ1
4	2	5
6 8	3	

Price

Quotation