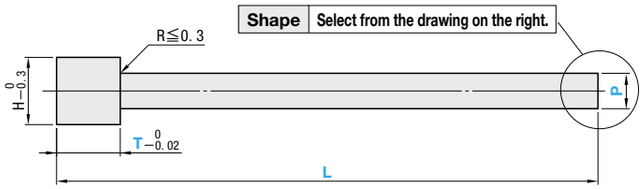
FREE DESIGNATION STRAIGHT CORE PINS WITH TIP PROCESS

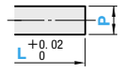
Non JIS material definition is listed on P.1351 - 1352

RoHS

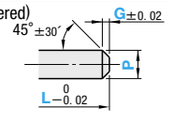


Shape (Tip shape)

S (Not processed)

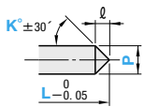


C (C chamfered)



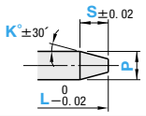
0.1≦G<P/2
0.05mm increme
G≦L−10

G (Cone)



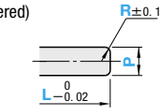
20≦K≦60
0.5° increments
L− P/2tanK ≧10
ℓ= P/2tanK

T (Tapered)



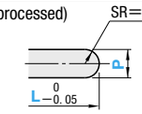
0.1≦S< P/2tanK
S≦L−10 and S≦L/2
0.05mm increments
0<K≦45
0.5° increments

R (R chamfered)



0.2≦R<P/2
0.1mm increments
R≦L−10
The tip specified dimension Q has been changed to the specified dimension R.

B (Spherical processed)



L− P/2 ≧10

Type	Shape	M	H	T P
F−CPNE	S C G T R B	NAK80	37～43HRC	−0.01 −0.02
F−CPFE		DH2F	38～42HRC	
F−CPDE		SKD61 equivalent	48～52HRC	
F−CPHE		SKH51 equivalent	58～60HRC	
F−CPN		NAK80	37～43HRC	0 −0.005
F−CPF		DH2F	38～42HRC	
F−CPD		SKD61 equivalent	48～52HRC	
F−CPH		SKH51 equivalent	58～60HRC	

H	Part Number			0.01mm increments		T 0.1mm increments
	Type	Shape	No.	L	P	
5	F−CPNE F−CPFE F−CPDE F−CPHE F−CPN F−CPF F−CPD F−CPH	S C G T R B	5	12.00 ～ 100.00	2.00 ～ 3.00	1.5 ～ 20.0
6			6		2.50 ～ 4.00	
7			7		3.00 ～ 5.00	
8			8		4.00 ～ 6.00	
9			9		4.00 ～ 7.00	
10			10		5.00 ～ 8.00	
11			11		6.00 ～ 9.00	T≦L−10
12			12		7.00 ～ 10.00	
13			13		8.00 ～ 11.00	
15			15		10.00 ～ 13.00	

Order

Part Number — L — P — T — Tip size (K・S・G・Q)
F−CPDS 6 — 61.00 — P2.85 — T19.0

Days to Ship Quotation

Price Quotation

Alterations

Part Number — L — P — T — Tip size (K・S・G・R(RTC)) — (KC・WKC…etc.)
F−CPNS 8 — 30.2 — P5.50 — T19.0 — HC6.5

Alteration details P.395

Alterations	Code	Spec.		1Code
KC 0 −0.01	KC	Single flat cutting P/2≦KC<H/2	About Designation Unit for Key Flat Cutting (1)To align the key flat with the shaft diameter Unit of designation 0.005mm increments possible (2)To designate arbitrary key flat dimensions Unit of designation 0.1mm	Quotation
WKC 0 −0.01	WKC	Two flats cutting P/2≦WKC<H/2		
KAC KBC 0 −0.01	KAC KBC	Varied width parallel flats cutting P/2≦KAC<H/2 KBC=0.1mm increments only KAC<KBC<H/2		
RKC RKC 0 −0.01	RKC	Two flats (right angled) cutting P/2≦RKC<H/2		
DKC DKC 0 −0.01	DKC	Three flats cutting P/2≦DKC<H/2		
SKC SKC 0 −0.01	SKC	Four flats cutting P/2≦SKC<H/2		
AG° ±0.5 0° KGC KGC 0 −0.01	KGC	Two flats (angled) cutting P/2≦KGC<H/2 0<AG<360 AG=1° increments		
120° 120° 120° KTC 0 −0.01	KTC	Three flats cutting at 120° P/2≦KTC<H/2		

Alterations	Code	Spec.	1Code
H HC 0 −0.3	HC	Head diameter change 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.	Quotation
H HCC 0 −0.02	HCC	Head diameter change (precision) HCC=0.1mm increments P+0.5≦HCC<H−0.3	
	TRN	Relief under the head (Makes plate chamfering unnecessary)	
A15 8	NHC	Numbering on the head How to order P.396 Combination with SKC not available.	
GS GB L	GVC	Gas vent machining GS・GB=1mm increments 2+(G・ℓ・S・R・SR)≦GS≦12 GS+2≦GB≦30 L−T−GB≧10 How to order P.396	
R T	RTC	Improves tip R tolerance R±0.1 ⇢ ±0.05 RTC=0.1mm increments 0.2≦RTC≦ (P−0.2)/2 L−RTC≧10 Available for (P−0.2)/2 R only	
RC (SR)	RC	Tip R alteration RC=0.1mm increments P/2<RC≦RCmax. and L−ℓ≧10 Shaft diameter P<4 ⇢ RCmax.=1.5×P Shaft diameter P≧4 ⇢ RCmax.=3×P However, RC≦32 Available for Shape B only ℓ calculation formula ℓ=RC−√(RC²−P²/4)	