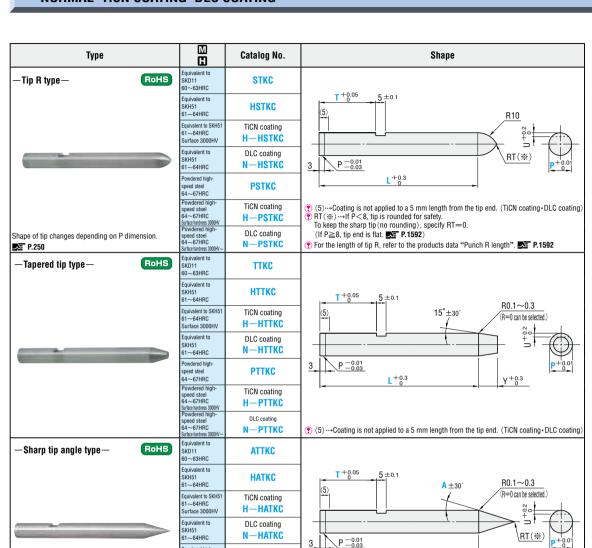
STRAIGHT PILOT PUNCHES WITH KEY GROOVES

-NORMAL·TICN COATING·DLC COATING-



Catalog No.									0.01mm increments		0.1mm increments	v	
Type No.			L			min. P max.	A	T	T	U			
		3	42	52	62	(72)			$2.00\sim3.00$			2	
		4	42	52	62	(72)			3.00 ∼ 4.00				0.5
		5	42	52	62	(72)			4.00 ∼ 5.00				
		6	42	52	62	(72)			5.00 ~ 6.00	(10) (15)	T > 5.0	3	1.0
HTTKC H-HTTKC N	TKC N-HTTKC	8	42	52	62	72	(82)	(92)	6.00 ~ 8.00	20 25 30	25	-	
		10	42	52	62	72	(82)	(92)	8.00 ~ 10.00	00		5	1.5
-NormalTiCN (13	42	52	62	72	(82)	(92)	10.00 ~ 13.00			0	1.5
PTTKC H-PT		16	42	52	62	72	(82)	(92)	13.00 ~ 16.00			8	

(5)....Coating is not applied to a 5 mm length from the tip end. (TiCN coating DLC coating)

To keep the sharp tip (no rounding), specify RT=0.

 \bigcirc L(72) (82) (92) ... L72 of No.3 \sim 6 and L82/92 of No.8 \sim 16 can be used for tip R types and tapered tip types only. A (10) → If P≥6.00, A10 cannot be selected.
 A (15) → If P≥15.0, A15 cannot be selected.

owdered highspeed steel 64~67HRC

Powdered high-speed steel 64~67HRC

PATKC

TiCN coating H-PATKC

DLC coating

N-PATKC







- ? A Can be used for sharp tip angle types only.
- If no key groove is required, select T=L.
- RT=0 only can be selected. (Can be selected for tip R types with P<8 and sharp tip angle types.)
- R=0 only can be selected. (Can be used for tapered tip types and sharp tip angle types.)





	Catalog No.	1-	L(LC·LCT)	-	Р	-	A	1—	Т	$-\left[\left(egin{matrix} ext{RT=0} \ ext{R=0} ight) ight] -$	YC
	PSTKC 10	_	LC65	_	P8.50			_	T20.0	_	YC1

■Effects of DLC coating Effective for preventing adhesion during aluminum or copper blanking thanks to its low affinity for nonferrous metal.See the product data for details. EFP.1609

	Alteration	Code	Tip R type	Tapered tip and sharp tip angle types	1Code	
Alterations to tip	RLC +0.3	RLC	Tip R is cut flat. $2 \le RLC < Y < 8$ $Y = \sqrt{P(10 - P/4)}$ 0.1mm increments			
	YC +0.3 Y	YC		Tip taper length change •P<2.0 1≤YC≤P×2.83−0.3 •P≥2.0 1≤YC≤P×1.86−0.3≤18 L(LC) +YC≤Lmax.+8 0.1mm increments ⊗ Carnot be used for sharp tip angle types.	Juotation	
	R10 015 Lapping range (B) Lapping range (B) Lapping range (B)	SC	is finished before the c Lapping range (B)	coating, the base material	Quot	
		PKC	Tip tolerance change $P \stackrel{+0.01}{0} \Leftrightarrow \stackrel{+0.005}{0} \otimes$ Cannot be used with 1			

	Alteration	Code	Tip R type	Tapered tip and sharp tip angle types	1Code			
length	LC LC	LC	Full length change 25≦LC <l 0.1mm="" increments<="" th=""></l>					
s to full		LKC		Full length tolerance change L +0.3 ⇒ +0.05 0 0 Cannot be used with TiCN coating DLC coating.				
Alterations to full length	T LC	LCT	Changes to key groove tolerance and full The allowable range of change, increments $ \begin{array}{c} \textbf{TKC} \\ \textbf{Key groove tolerance change} \\ \textbf{T} + \begin{matrix} 0.05 \\ 0 \end{matrix} \Longrightarrow \begin{matrix} 0 \\ -0.02 \end{matrix}$	LC	ion			
y groove		WKD	Addition of dou parallel	ble key grooves in	Juotat			
Alterations to key groove		TKC	T dimension tolerance c $T \stackrel{+0.05}{=} \Rightarrow \stackrel{0}{=} 0.02$	hange	<u> </u>			
Alteration	*	UK	Key groove depth change Cannot be used for No.3	No. UK 4~5 0.7 6 1.2 8~16 1.7				
Shank	P D = 0.01 D = 0.03	NDC	No press-in lead $\ell=3 \Rightarrow \ell=0$					





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