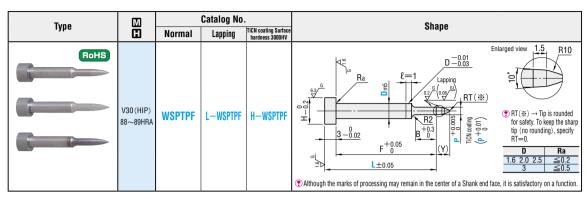
## CARBIDE PILOT PUNCHES FOR FIXING TO STRIPPER PLATES



CARBIDE STRAIGHT PILOT PUNCHES FOR FIXING TO STRIPPER PLATES

PRODUCTS DATA

-TIP R AND TAPER COMBINED TYPE∙MINUS HEAD TOLERANCE∙NORMAL∙LAPPING∙TICN COATING-



Catalog No.				0.1mm increments	0.001mm increments (With coating, 0.01mm increments)	D	н
Туре			D	L	min. P max.	В	- "
			1.6		0.800 (1.00) ~ 1.599		2.6
Normal	Lapping	TiCN coating	2.0	$10.0\sim32.0$	1.000 ~ 1.999	4	3.0
WSPTPF	L—WSPTPF	H-WSPTPF	2.5		1.500 ~ 2.499	4	3.5
			3	10.0 ~ 40.0	2.000 ∼ 2.999		5
$\P$ P>D-0.03 ···• ℓ=0 If P>D-0.03, D <sup>-0.01</sup> <sub>-0.03</sub> (press-in lead) is not included.				(Y) ··· Tip Y length = 0.	6+√(P-0.2) (39.8-P)/4		

 $\P$  P>D-0.03 ···· ℓ=0 If P>D-0.03, D<sub>-0.03</sub> (press-in lead) is not included. The coating process also forms an extremely thin coating layer on the shank.

• P(1.00) → For TiCN coating is Pmin 1.00.





• RT=0 only can be selected. (However, lapping cannot be used.)

■ Features • These pilot punches for fixing to stripper plates were developed for use with press dies that are used with thin workpieces. •The under-head dimension F is highly accurate and the tip is smoothly rounded.









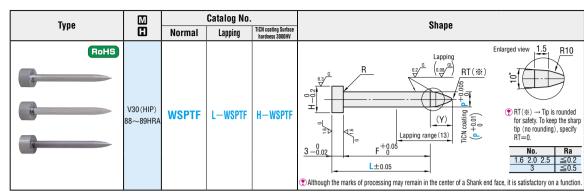
Alteration		Code	Spec.	1Code
Alterations to tip	B BC	ВС	$\begin{tabular}{lll} \hline Tip length change & & \hline P & Bmax. \\ $2 \le BC \le Bmax. & 0.800-1.999 & 15 \\ 0.1mm increments & 2.000-2.999 & 21 \\ \hline \ref{tabular} & Full length L must be at least 8mm longer than tip length BC. } \end{tabular}$	
	RLC +0.3	RLC	Tip R is cut flat. $3$ ≤RLC <ymax. <math="">0.1mm increments <math>\frac{P}{0.800 \sim 1.499} = \frac{3}{3}</math> <math>1.500 \sim 2.499 = 4</math> <math>2.500 \sim 2.999 = 5</math></ymax.>	
		PKC	$    \begin{array}{lllllllllllllllllllllllllllllllll$	Quotation
		PKV		
	0.08 GL	SC	Tip roughness change  \$\frac{0}{2} \subseteq \infty \text{Query} \frac{\text{SL}}{\text{Olive}} \text{  \text{Olive} \text{  \text{Olive} \text{  \text{Olive} \text{ Supplied.} \text{ Supplied.}   \text{Oliv	

Alteration		Code	Spec.	1Code
Full length		LKC	Full length tolerance change $\begin{array}{ccc} L \pm 0.05 & \Leftrightarrow & +0.05 \\ & & \\ \hline \rat{r} & F & dimension tolerance & F & +0.05 \\ & & & \\ \hline \rat{0} & & \Leftrightarrow & \pm 0.05 \\ \end{array}$	
	<u> </u>	НС	Head diameter change D+0.1≦HC <h 0.1mm increments</h 	
Alterations to head	TC.	Head thickness change 2≦TC<3 0.1mm increments  The full length remains as specified.	otation	
		KC	Addition of single key flat to head	Quot
	0	WKC	Addition of double key flats in parallel	
Others	ℓ D-0.03	NDC	No press-in lead	









Catalog No.				0.1mm increments	0.001mm increments (With coating, 0.01mm increments)	н
Type No.			L	min. P max.		
Normal WSPTF	Lapping L-WSPTF		1.6	10.0 ~ 32.0	$0.800(1.00){\sim}1.600$	2.6
		TiCN coating	2.0		$1.000 \sim 2.000$	3.0
		H-WSPTF	2.5		$1.500 \sim 2.500$	3.5
			3	10.0 ~ 40.0	$2.000 \sim 3.000$	5

• (Y)  $\longrightarrow$  Tip Y length=0.6+ $\sqrt{(P-0.2)(39.8-P)/4}$  • P(1.00)  $\longrightarrow$  For TiCN coating is Pmin 1.00.



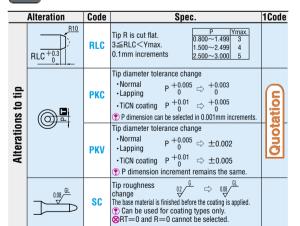


Features •These pilot punches for fixing to stripper plates were developed for use with press dies that are used with thin workpieces.

•The under-head dimension F is highly accurate and the tip is smoothly rounded.







Alteration		Code	Spec.	1Code
Full length		LKC	Full length tolerance change $\  \   \   \   \   \   \   \  $	
ad	=121	НС	Head diameter change 2.6≦P+0.1≦HC <h 0.1mm increments</h 	(F)
Alterations to head	TC TC	TC	Head thickness change 2≦TC<3 0.1mm increments  The full length remains as specified.  Cannot be used with TiCN coating.	uotatie
Iteratic		KC	Addition of single key flat to head	Ø
¥		WKC	Addition of double key flats in parallel	
		WKC	Addition of double key flats in parallel	



Quotation

576 575