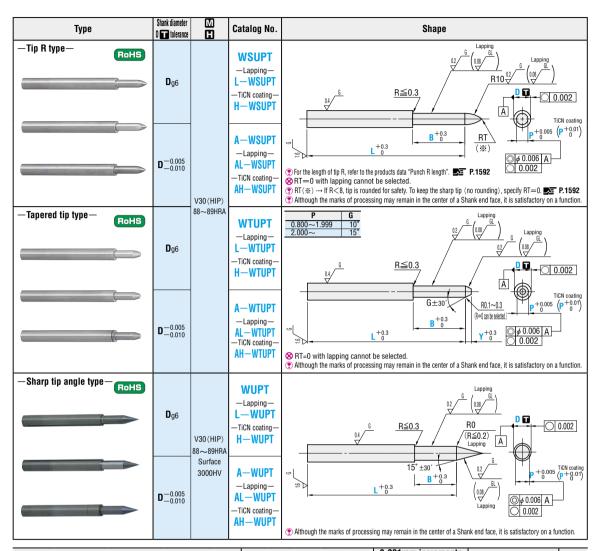
## **MOVABLE CARBIDE PILOT PUNCHES**





Catalog No.				0.1mm increments					O.001mm increments (With coating, 0.01mm increments)	0.1mm increments	Υ
Туре			D	L					min. P max.	В	
(Tip R) (Dq6) WSUPT	(Tapered tip)  WTUPT	(Sharp tip angle)	3	42	52	62			1.000 ~ 2.500		2
(D <sub>-0.010</sub> ) A-WSUPT -Lapping-	A-WTUPT	A-WUPT	4	42	52	62	72		1.500 ~ 3.500		
(D <sub>g6</sub> ) L—WSUPT (D <sub>-0.010</sub> ) AL—WSUPT	L-WTUPT Al-WTUPT	L-WUPT Al-Wupt	5	42	52	62	72		<b>2.000</b> ~ <b>4.500</b>	TiCN coating	3
TiCN coating— (Dg6) H—WSUPT	H-WTUPT	H-WUPT	6	42	52	62	72		2.500 ~ 5.500	5≦B≦L/2≦23	
(D <sub>-0.010</sub> ) AH-WSUPT		AH—WUPT	8	42	52	62	72	82	$3.000 \sim 7.500$		5

P dimension increment----If coated, 0.001mm increments can be selected for alteration PKC.



 Catalog No.
 —
 L
 —
 P
 —
 B

 WUPT 6
 —
 62
 —
 P4.320
 —
 B20









	Alteration		Tip R type	Tapered tip and sharp tip angle types	1Code	
	( <u>()</u> 8 a	PC	PC≧Pmin./2 0.01mm increments  ① If PC is 0.500 ~ 0.999, Bmax. is 8mm.  - Coating type— P≧Pmin./2≧1.00 0.01mm increments			
Alterations to tip		PKC			tion	
		PKV	Tip diameter tolerance cf Normal Lapping TiCN coating P dimension incremen	$P \stackrel{+0.005}{0} \Leftrightarrow \pm 0.002$ $P \stackrel{+0.01}{0} \Leftrightarrow \pm 0.005$	Quotati	
	RLC +0.3	RLC	Tip R is cut flat. Allowable range of change $2 \le RLC < \sqrt{P(10-P/4)}$ 0.1mm increments			

Alteration		Code	Tip R type	Tapered tip and sharp tip angle types	1Code	
	B B BKC			Tip length tolerance change $\begin{array}{c} B + 0.3 \\ 0 \end{array} \Rightarrow \begin{array}{c} +0.05 \\ 0 \end{array}$		
to tip	0.08 GL	SC	Tip roughness $\underbrace{^{\sharp}}_{\text{thange}} \hookrightarrow \underbrace{^{\sharp}}_{\text{thange}} \hookrightarrow \underbrace{^{\sharp}}_{\text{thange}} \hookrightarrow \underbrace{^{\sharp}}_{\text{thange}}$ The base material is finished before the coating is applied. $\bigodot$ Can be used for coating types only. $\bigotimes$ R=0 R\(\leq 0\)			
Alterations to tip	GC/	GC		Tip angle change 15° < GC≦45° 1° increments ⊗ Cannot be used for tapered tip types.	tion	
	YC +0.3   Y	YC		Tip taper length change -If P<2.0, 1≦YC≦P×2.83−0.3 -If P≥2.0, 1≦YC≦P×1.86−0.3≦12 L(LC)+YC≦Lmax.+8 0.1mm increments  ★ Cannot be used for sharp tip angle types.	Quotatio	
Alterations to full length	LC	LC	Full length change B+9≦LC <l 0.1mm="" increments<="" th=""></l>			



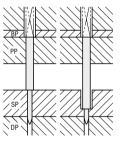
## **Quotation**



## Example

## Features

- ① No height adjustment is required after regrinding.
- ② Because it is possible to remove the pilot punch without disassembling the die, the number of steps required for regrinding can be reduced.
- ③ Even if a misfeed occurs, because the pilot punches themselves are moveable, it is possible to prevent the punch from biting into the workpiece or being broken.



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