

CARBIDE PILOT PUNCHES WITH KEY GROOVES

— MINUS D TOLERANCE —

Type	Shank diameter D tolerance	M H	Catalog No.	Shape						
— Tip R type — RoHS	D ^{-0.001} _{-0.006}	V30 (HIP) 88~89HRA	B—WKSTAS B—WKSTAL	<p>Tip length (B) L > S RT (※) → If P < 8, tip is rounded for safety. To keep the sharp tip (no rounding), specify RT = 0. (However if P ≥ 8, tip end is flat. P.1592) For the length of tip R, refer to the products data "Punch R length". P.1592 Although the marks of processing may remain in the center of a Shank end face, it is satisfactory on a function.</p>						
— Tapered tip type — RoHS	D ^{-0.001} _{-0.006}	V30 (HIP) 88~89HRA	B—WKTPAS B—WKTPAL	<p>Tip length (B) L > S Although the marks of processing may remain in the center of a Shank end face, it is satisfactory on a function.</p> <table border="1"> <thead> <tr> <th>P</th> <th>G</th> </tr> </thead> <tbody> <tr> <td>1.000~1.999</td> <td>10*</td> </tr> <tr> <td>2.000~</td> <td>15*</td> </tr> </tbody> </table>	P	G	1.000~1.999	10*	2.000~	15*
P	G									
1.000~1.999	10*									
2.000~	15*									

Type	D	L				0.001mm increments		0.1mm increments	B	Y	U
		42	52	62	72	min. P	max.				
B—WKSTAS B—WKTPAS	3	42	52	62	72	1.000	2.990	T > 5.0	10	2	0.5
	4	42	52	62	72	1.000	3.990				
	5	42	52	62	72	2.000	4.990				
	6	42	52	62	72	2.000	5.990		15	3	1.0
	8	(42)	52	62	72	3.000	7.990				
	10	(42)	52	62	72	3.000	9.990				
	13	(42)	52	62	72	6.000	12.990				
16	(42)	52	62	72	10.000	15.990	21	8	1.5		
3		52	62	72	1.000	2.990					
B—WKSTAL B—WKTPAL	4	52	62	72	82	1.000	3.990	T > 5.0	15	2	0.5
	5	52	62	72	82	2.000	4.990				
	6	52	62	72	82	2.000	5.990				
	8	52	62	72	82	3.000	7.990		21	5	1.5
	10	52	62	72	82	3.000	9.990				
	13	52	62	72	82	6.000	12.990				
	16	52	62	72	82	10.000	15.990		27	8	

Ⓛ (42) → B=10 If full length L is (42), tip length B is 10mm in all cases.

Order **Catalog No.** — **L** — **P** — **T** — **(RT=0)**
(R=0)
 B—WKSTAL 6 — 62 — P4.500 — T10 — RT0
 B—WKTPAS 6 — 42 — P2.105 — T8

- Ⓛ If no key groove is required, select T=L.
- Ⓜ RT=0 only can be selected. Can be used for tip R types with P < 8 (except lapping).
- Ⓝ R=0 only can be selected. Can be used for tapered tip types (except lapping).

Days to Ship **Quotation**

Alterations **Catalog No.** — **L (LC·LCT)** — **P (PC)** — **T** — **(RT=0)** — **(BC·YC·WKD...etc.)**
 B—WKSTAL 6 — LC65.5 — P4.500 — T10 — (RT=0) — PKC

Alteration	Code	1Code
	RLC	
	PC	
	BC	
	YC	
	PKC	
	PKV	
	SC	

Price **Quotation**

Alteration	Code	1Code
	LC	
	LCT	
	WKD	
	UK	
	RTC	

Quotation

Fixing keys for punches with key grooves **P.245**

