

TAPPED STRAIGHT PILOT PUNCHES

—NORMAL · TiCN COATING · DLC COATING—



Type	M H	Catalog No.	Shape
—Tip R type—	RoHS	Equivalent to SKD11 60~63HRC	<p>(5)---Coating is not applied to a 5 mm length from the tip end. (TiCN coating·DLC coating) RT (※)---If P<8, tip is rounded for safety. To keep the sharp tip (no rounding), specify RT=0. (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</p>
		Powdered high-speed steel 64~67HRC	
		Powdered high-speed steel 64~67HRC Surface 3000HV	
		Powdered high-speed steel 64~67HRC Surface hardness 3000HV~	
—Tapered tip type—	RoHS	Equivalent to SKD11 60~63HRC	<p>(5)---Coating is not applied to a 5 mm length from the tip end. (TiCN coating·DLC coating)</p>
		Powdered high-speed steel 64~67HRC	
		Powdered high-speed steel 64~67HRC Surface 3000HV	
		Powdered high-speed steel 64~67HRC Surface hardness 3000HV~	
—Sharp tip angle type—	RoHS	Equivalent to SKD11 60~63HRC	<p>(5)---Coating is not applied to a 5 mm length from the tip end. (TiCN coating·DLC coating) RT (※)---Tip is rounded for safety. To keep the sharp tip (no rounding), specify RT=0.</p>
		Powdered high-speed steel 64~67HRC	
		Powdered high-speed steel 64~67HRC Surface 3000HV	
		Powdered high-speed steel 64~67HRC Surface hardness 3000HV~	

Type	Catalog No.	No.	L	0.01mm increments		
				min.	P max.	
—Normal— STMC TTMC ATTMC	M Equivalent to SKD11	8	42 52 62 72 (82) (92)	6.00	8.00	(15)
		10		8.00	10.00	
		13		10.00	13.00	
		16		13.00	16.00	
—Normal— PSTMC PTTMC PATMC	M Powdered high-speed steel —TiCN coating— —DLC coating—	20		16.00	20.00	25 30
		25		20.00	25.00	

Ⓜ L (82) (92)---L82/92 can be used for tip R types and tapered tip types only.
 ⊗ A (15)---If P≥15.00, A15 cannot be selected. ⊗ A (20)---If P≥20.0, A20 cannot be selected.



Order

Catalog No. — L — P — A — (RT=0 / R=0)

STMC 8 — 72 — P6.20
 H—PATMC 10 — 62 — P8.50 — A15

- Ⓜ A Can be used for sharp tip angle types only.
- Ⓜ 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.)



Days to Ship

Quotation



Alterations

Catalog No. — L(LC) — P — A — (RT=0 / R=0) — (YC...etc.)

STMC 10 — LC65 — P8.50 — 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. **P.1609**

Alterations	Code	Tip R type	Tapered tip and sharp tip angle types	1Code				
Alterations to tip	YC	—	Tip taper length change $1 \leq YC \leq P \times 1.86 - 0.3 \leq 18$ $L(LC) + YC \leq Lmax. + 8$ 0.1mm increments ⊗ cannot be used for sharp tip angle types.	Quotation				
	PKC	—	Tip tolerance change $P + 0.01 \Rightarrow +0.005$ $0 \Rightarrow 0$ ⊕ P dimension can be selected in 0.001mm increments. ⊗ Cannot be used with TiCN coating.					
	RLC	—	Tip R is cut flat. $2 \leq RLC < Y < 8$ $Y = \sqrt{P(10 - P/4)}$ 0.1mm increments					
	SC	—	Lapping of tip ⊕ P dimension tolerance remains the same. ⊕ With TiCN coating, the base material is finished before the coating is applied. Lapping range (B) <table border="1"> <tr> <th>P</th> <th>(B)</th> </tr> <tr> <td>6.000~9.999</td> <td>19</td> </tr> <tr> <td>10.000~</td> <td>25</td> </tr> </table> ⊕ If L < (B) + 20, (B) is adjusted to (L - 20). ⊗ R=0 and RT=0 cannot be selected. ⊕ Lapping range of straight part is min. 5mm.		P	(B)	6.000~9.999	19
P	(B)							
6.000~9.999	19							
10.000~	25							

Alterations	Code	Tip R type	Tapered tip and sharp tip angle types	1Code
Alterations to full length	LC	—	Full length change $25 \leq LC < L$ 0.1mm increments	Quotation
Alterations to key groove	KC	—	Addition of single key flat to head	
	WKC	—	Addition of double key flats in parallel	
Alterations to press-in lead	NDC	—	No press-in lead $\ell = 3 \Rightarrow \ell = 0$	



Price

Quotation

PILOT PUNCHES