



# พUNCHES ฐ TiCN (STRAIGHT PUNCHES - TiCN COATING)

STEEL GRADE <b>M</b>		Catalog No.		Straight (แบบตรง)			
HARDNESS <b>H</b>		Type	Shape	Shape	Shape	Shape	Shape
SKH51 61 ~ 64 HRC	C-HSPC	(B)	(C)	$W < P \leq W \times 20$	$W \leq P \leq W \times 20$ R = 0 Also available	$W < P$	$W \leq P$ $0.20 \leq R < W/2$ $W - 2R \geq 1$ 0.01 mm. increments
HAP40 64 ~ 67 HRC	C-PHPC	(D)	(E)	$P \leq 10$ $P - W \geq 1$ $10 < P \leq 20$ $P - W \geq 2$ $20 < P \leq 30$ $P - W \geq 3$		$P \leq 10$ $P - W \geq 1$ $10 < P \leq 20$ $P - W \geq 2$ $20 < P \leq 30$ $P - W \geq 3$	
SKH51 61 ~ 64 HRC	C-HSMC	(B)	(C)	With tapping (แบบมีรูเกลียว)			
HAP40 64 ~ 67 HRC	C-PHMC	(D)	(E)	With key groove (แบบมีร่องคีย์)			
SKH51 61 ~ 64 HRC	C-HSKC	(B)	(C)	Key groove part details $R \leq 0.3$ $T \geq 2$			
HAP40 64 ~ 67 HRC	C-PHKC	(D)	(E)				

  

Catalog No.		L	W	P							0.1 mm. T	M	U	B		
Type	Shape			2.00 5.00	5.01 10.00	10.01 15.00	15.01 25.00	20.01 25.00	25.01 30.00							
Straight	C-HSPC	40	2.00 ~ 3.00	●	●	●	●				T ≥ 2.0	3	4	15		
	C-PHPC		3.01 ~ 4.00	●	●	●	●									
With tapping	C-HSMC	50	4.01 ~ 5.00	●											5	6
	C-PHMC		5.01 ~ 6.00		●	●	●	●	●							
With key groove	C-HSKC C-PHKC	(80)	6.01 ~ 8.00		●	●	●	●	●						8	1.5
		(90)	8.01 ~ 10.00			●	●	●	●							
		(90)	10.01 ~ 15.00				●	●	●							
		(100)	15.01 ~ 20.00					●	●							
		(100)	20.01 ~ 25.00						●	●						
			25.01 ~ 30.00					●	●							

● For tapping,  $P \cdot W \geq 4.01$   
● L (80) (90) (100) ⇒ 4.01 ~ 30.00 If L(80), L(90), or (100) is selected, W is within the range of 4.01 ~ 30.00



Catalog No.

L

0.01 mm. increments

0.01 mm. increments

K

● Key position

C-PHPCC - 60 - P14.28 - W9.28  
C-HSMCC - 80 - P5.80 - W5.20  
C-PHKCE - 60 - P14.28 - W9.28 - R0.50 - T25.5 - K0

