

# JECTOR STRAIGHT PUNCHES

—NORMAL · LAPPING—

Calculating the projection length of the jector pin (reference value) P.241 • For details of jector holes, refer to Jector Punch Blanks. P.236 • For details of jector pins, refer to Jector Pin Sets. P.241

Type		Catalog No.	Shape						
—Normal—		(No.5~6) Equivalent to SKH51 61~64HRC	<p>Effective lapping range</p> <table border="1"> <tr><th>P</th><th>(B)</th></tr> <tr><td>4.500~9.999</td><td>19</td></tr> <tr><td>10.000~</td><td>25</td></tr> </table> <p>If <math>L &lt; (B) + 20</math>, (B) is adjusted to <math>(L - 20)</math>.</p>	P	(B)	4.500~9.999	19	10.000~	25
P	(B)								
4.500~9.999	19								
10.000~	25								
—Lapping—		(No.8~25) Equivalent to SKD11 60~63HRC							

Catalog No. Type	No.	L								0.01mm increments (0.001mm increments for lapping)		H	S	Base unit price 1~9 pieces	
		(40)	50	60	70	80	90	100	min. P	max.	SJC			L-SJC	
SJC	5									4.50	5.00	8	20	Quotation	
	6									5.00	6.00	9			
	8									6.00	8.00	11	27		
	10	(40)	50	60	70	80	90	100	8.00	10.00	13				
	13									10.00	13.00	16	28		
—Lapping— L-SJC	16									13.00	16.00	19		Quotation	
20	(40)	(50)	60	70	80	90	100	16.00	20.00	23	36				
25									20.00	25.00	28				

When full length L is (40), S dimension for No. 5~No. 13 is 15mm and for No. 16~No. 25 is 17mm.  
When full length L is (50), S dimension for No. 16~No. 25 is 24mm.

Order 

Catalog No.	L	P
SJC 6	50	P5.50
L-SJC 6	50	P5.50

Days to Ship **Quotation**

Alterations 

Catalog No.	L(LC-LCT-LMT)	P	(KC-TC, etc.)
SJC 6	LC45.5	P5.50	AC-PKC

Price **Quotation**

Alteration	Code	Spec.	1Code
Alterations to tip	PRC	Rounding of tip side edge $0.3 \leq PRC \leq 1$ 0.1 mm increments ⊕ $PRC \leq (P-d-0.5)/2$ d, dimension details  P.236 ⊗ Cannot be combined with PCC.	Quotation
	PCC	Chamfering to tip side edge $0.3 \leq PCC \leq 1$ 0.1 mm increments ⊕ $PCC \leq (P-d-0.5)/2$ d, dimension details  P.236 ⊗ Cannot be combined with PRC.	
	PKC	Tip tolerance change $P +0.01 \begin{matrix} \rightarrow \\ \leftarrow \end{matrix} +0.005 \begin{matrix} \rightarrow \\ \leftarrow \end{matrix}$ (P dimension can be selected in 0.001 mm increments.) ⊗ Cannot be used with lapping.	
Alterations to full length	LC	Tip length change $30 \leq LC < L$ 0.1 mm increments (If combined with LKC-LKZ, 0.01mm increments can be selected.) ⊕ S dimension is shortened accordingly. ⊕ Projection length of the jector pin is 2 mm.	Quotation
	LCT	Changes to head thickness tolerance and full length are processed using a single code. The allowable range of change, increment, ordering process, and notes (⊕) are the same as for LC. TKC LC Full length tolerance change Head thickness tolerance change $T +0.3 \begin{matrix} \rightarrow \\ \leftarrow \end{matrix} +0.02 \begin{matrix} \rightarrow \\ \leftarrow \end{matrix}$ + full length change $+L +0.3 \begin{matrix} \rightarrow \\ \leftarrow \end{matrix} +0.1 \begin{matrix} \rightarrow \\ \leftarrow \end{matrix}$	
	LMT	Changes to head thickness tolerance and full length are processed using a single code. The allowable range of change, increment, ordering process, and notes (⊕) are the same as for LC. TKM LC Full length tolerance change Head thickness tolerance change $T +0.3 \begin{matrix} \rightarrow \\ \leftarrow \end{matrix} 0 \begin{matrix} \rightarrow \\ \leftarrow \end{matrix} -0.02 \begin{matrix} \rightarrow \\ \leftarrow \end{matrix}$ + full length change $+L +0.3 \begin{matrix} \rightarrow \\ \leftarrow \end{matrix} +0.1 \begin{matrix} \rightarrow \\ \leftarrow \end{matrix}$	
	LKC	Full length tolerance change $L +0.3 \begin{matrix} \rightarrow \\ \leftarrow \end{matrix} +0.05 \begin{matrix} \rightarrow \\ \leftarrow \end{matrix}$	
LKZ	Full length tolerance change $L +0.3 \begin{matrix} \rightarrow \\ \leftarrow \end{matrix} +0.01 \begin{matrix} \rightarrow \\ \leftarrow \end{matrix}$		

Alteration	Code	Spec.	1Code
Alterations to head	KC	Addition of single key flat to head	Quotation
	WKC	Addition of double key flats in parallel	
	KFC	Double key flats at 0° and a selected angle 1° increments ⊗ Cannot be combined with KC-WKC.	
	HC	Head diameter change $P \leq HC < H$ 0.1 mm increments	
	TC	Head thickness change $3.5 \leq TC < 5$ 0.1 mm increments (If combined with TKC-TKM-LCT-LMT, 0.01 mm increments can be selected.) ⊕ Full length L is shortened by $(5-TC)$ . ⊕ If combined with LC-LCT-LMT, full length is equal to LC.	
	TKC	Head thickness tolerance change $T +0.3 \begin{matrix} \rightarrow \\ \leftarrow \end{matrix} +0.02 \begin{matrix} \rightarrow \\ \leftarrow \end{matrix}$	
	TKM	Head thickness tolerance change $T +0.3 \begin{matrix} \rightarrow \\ \leftarrow \end{matrix} 0 \begin{matrix} \rightarrow \\ \leftarrow \end{matrix} -0.02 \begin{matrix} \rightarrow \\ \leftarrow \end{matrix}$	
	TCC	Chamfering of head This improves the strength of the punch head.  P.1611 0.1 mm increments $0.5 \leq TCC \leq (H-P)/2$ ⊕ If $H \leq 5$ , then TCC is 0.5.	
	AC	The jector pin is removed to create an air path and the side vent hole is plugged from the inside by inserting a resin (ABS) ring.	
	NC	The jector pin is removed. ⊗ Cannot be combined with AC.	

# TAPPED STRAIGHT PUNCHES

—NORMAL · LAPPING—

Type		Catalog No.	Shape						
—Normal—		Equivalent to SKD 11 60~63HRC	<p>Effective lapping range</p> <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> <p>If <math>L &lt; (B) + 20</math>, (B) is adjusted to <math>(L - 20)</math>.</p>	P	(B)	6.000~9.999	19	10.000~	25
P	(B)								
6.000~9.999	19								
10.000~	25								
—Lapping—									

Catalog No. Type	No.	L								0.01mm increments (0.001mm increments for lapping)		M	Base unit price for 1~9 pieces	
		(40)	50	60	70	80	90	100	min. P	max.	MSPC		L-MSPC	
MSPC	8									6.00	8.00	3	Quotation	
	10									8.01	10.00	4		
	13									10.01	13.00	6		
	16	(40)	(50)	60	70	80	90	100	13.01	16.00				
	20									16.01	20.00			
—Lapping— L-MSPC	25									20.01	25.00		Quotation	

Order 

Catalog No.	L	P
MSPC 16	70	P14.73
L-MSPC 16	70	P14.730

Days to Ship **Quotation**

Alterations 

Catalog No.	L(LC)	P	(KC, etc.)
MSPC 16	LC67.3	P14.73	LKC

Price **Quotation**

Alteration	Code	Spec.	1Code
Alterations to tip	PRC	Rounding of tip side edge $0.3 \leq PRC \leq 1$ 0.1 mm increments ⊕ $PRC \leq (P-0.2)/2$ ⊗ Cannot be combined with PCC-GC.	Quotation
	PCC	Chamfering to tip side edge $0.3 \leq PCC \leq 1$ 0.1 mm increments ⊕ $PCC \leq (P-0.2)/2$ ⊗ Cannot be combined with PRC-GC.	
	GC	$20^\circ \leq GC < 90^\circ$ 1° increments ⊗ Cannot be combined with LKC-LKZ-PRC-PCC.	
PKC	Tip tolerance change $P +0.01 \begin{matrix} \rightarrow \\ \leftarrow \end{matrix} +0.005 \begin{matrix} \rightarrow \\ \leftarrow \end{matrix}$ (P dimension can be selected in 0.001 mm increments.) ⊗ Cannot be used with lapping.		

Alteration	Code	Spec.	1Code
Alterations to full length	LC	Full length change $30 \leq LC < 100$ 0.1 mm increments (If combined with LKC-LKZ, 0.01mm increments can be selected.)	Quotation
	LKC	Full length tolerance change $L +0.3 \begin{matrix} \rightarrow \\ \leftarrow \end{matrix} +0.05 \begin{matrix} \rightarrow \\ \leftarrow \end{matrix}$	
Others	LKZ	Full length tolerance change $L +0.3 \begin{matrix} \rightarrow \\ \leftarrow \end{matrix} +0.01 \begin{matrix} \rightarrow \\ \leftarrow \end{matrix}$	Quotation
	KC	Addition of single key flat	
	WKC	Addition of double key flats in parallel	
NDC	No press-in lead $\ell = 3 \Rightarrow \ell = 0$		