

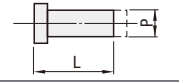


Dies Steel
SKD61 equivalent
+
Nitriding

STRAIGHT EJECTOR PINS

— L DIMENSION DESIGNATION TYPE —

L dimension designation type



Ⓜ Non JIS material definition is listed on P.1351 - 1352

RoHS

Range of guaranteed shaft diameter precision (Details [P.1301](#))
 $T4 \rightsquigarrow x1 \text{ max.} 30$
 $JIS \rightsquigarrow x1 \text{ max.} 35$

Range of guaranteed shaft diameter precision (Details [P.1301](#))
 $T4 \rightsquigarrow x1 \text{ max.} 30$
 $JIS \rightsquigarrow x1 \text{ max.} 35$

Range of guaranteed base material hardness (Details [P.1303](#))
 Range of guaranteed surface hardness for nitriding (Details [P.1303](#))

Part Number	Head thickness	T
EPN—L	4mm(T4)	$\begin{matrix} 0 \\ -0.02 \end{matrix}$
EPJ—L	6 · 8mm(JIS)	$\begin{matrix} 0 \\ -0.05 \end{matrix}$

L	P		
	1~13	15~20	25
L ≤ 500	$\begin{matrix} -0.01 \\ -0.02 \\ -0.03 \end{matrix}$	$\begin{matrix} -0.01 \\ -0.03 \\ -0.04 \end{matrix}$	$\begin{matrix} -0.01 \\ -0.04 \end{matrix}$
L > 500	$\begin{matrix} -0.01 \\ -0.03 \end{matrix}$	$\begin{matrix} -0.01 \\ -0.03 \end{matrix}$	$\begin{matrix} -0.01 \\ -0.05 \end{matrix}$

4mm head		JIS head		Part Number			L 0.01mm increments (When L > 500, then 0.1mm increments)
H	T	H	T	Type		P	
				4mm head	JIS head		
3	4	—	—	EPN—L	—	1 1.1 1.2 1.3 1.4	40.00~150.00
4						1.5	40.00~200.00
5						1.6 1.7 1.8 1.9	40.00~400.00
6						2	40.00~300.00
7						2.1 2.2 2.3 2.4	40.00~400.00
8						2.5	40.00~300.00
9						2.6 2.7 2.8 2.9	40.00~500.00
10						3	40.00~400.00
11						3.1 3.2 3.3 3.4	40.00~500.00
15						3.5	40.00~400.00
17						3.6 3.7 3.8 3.9	40.00~400.00 (600.0)
18						4	40.00~400.00 (500.0)
20						(4.1) (4.2) (4.3) (4.4)	40.00~500.00 (600.0)
21						4.5	40.00~400.00
—						(4.6) (4.7) (4.8) (4.9)	40.00~400.00
—						5	40.00~400.00
—						(5.1) (5.2) (5.3) (5.4)	40.00~400.00
—						5.5	40.00~400.00
—						(5.6) (5.7) (5.8) (5.9)	40.00~400.00 (800.0)
—						6	40.00~400.00
—						(6.1) (6.2) (6.3) (6.4)	40.00~400.00 (700.0)
—	6.5	40.00~500.00 (1000.0)					
—	7	40.00~500.00 (1000.0)					
—	8	40.00~500.00 (1000.0)					
—	10	40.00~500.00 (1000.0)					
—	12	40.00~500.00 (1000.0)					
—	(13)	40.00~500.00 (1000.0)					
—	15	40.00~500.00 (1000.0)					
—	16	40.00~500.00 (1000.0)					
—	20	40.00~500.00 (1000.0)					
—	25	40.00~1000.0					

Ⓜ The P dimension enclosed in brackets () is applicable only for EPN—L.
 Ⓜ The L dimension enclosed in brackets () is applicable only for EPJ—L.

Alterations Part Number — L — (KC · WKC...etc.)
 EPN—L 4.5 — 225.55 — WKC2.25

Quotation

Alterations	Code	Spec.	1Code
	KC	Single flat cutting $P/2 \leq KC < H/2$	Quotation
	WKC	Two flats cutting $P/2 \leq WKC < H/2$	
	KAC KBC	Varied width parallel flats cutting $P/2 \leq KAC < H/2$ KBC=0.1mm increments only $KAC < KBC < H/2$	
	RKC	Two flats (right angled) cutting $P/2 \leq RKC < H/2$	
	DKC	Three flats cutting $P/2 \leq DKC < H/2$	
	SKC	Four flats cutting $P/2 \leq SKC < H/2$	
	KGC	Two flats (angled) cutting $P/2 \leq KGC < H/2$ AG=1° increments $0 < AG < 360$	
	KTC	Three flats cutting at 120° $P/2 \leq KTC < H/2$	
		(1) To align the key flat with the shaft diameter [Unit of designation] 0.05mm increments possible	
		(2) To designate arbitrary key flat dimensions [Unit of designation] 0.1mm	

Price Quotation

Alteration details [P.53](#)

Alterations	Code	Spec.	1Code										
	HC	HC=0.1mm increments Ⓜ P+1 ≤ HC < H, P ≥ 1.5	Quotation										
	TC	TC=0.1mm increments Ⓜ T/2 ≤ TC < T, P ≥ 1.5 (Dimension L remains unchanged) Ⓜ T—TC ≤ Lmax.—L											
	NC	Dowel hole boring Ⓜ Available when H ≥ 4 Ⓜ Combination with other than NHC · NHN not available.											
	NCW	Dowel hole boring+Spring pin driving Ⓜ Available when H ≥ 4 Ⓜ Combination with other than NHC · NHN not available.											
	NCS	Dowel hole boring+Dowel pin driving Ⓜ Available when H ≥ 4 Ⓜ Combination with other than NHC · NHN not available.											
	NHC	Numbering on the head How to order P.54 Ⓜ Combination with SKC · MC not available.											
	NHN	Automatic sequential numbering on the head How to order P.54 Ⓜ Combination with SKC · MC not available.											
	MC	Head tapping Ⓜ Available for EPJ—L when P ≥ 8 Ⓜ Combination with any other alteration not available.											
		<table border="1"> <tr> <th>P</th> <th>M</th> </tr> <tr> <td>8</td> <td>M4</td> </tr> <tr> <td>10</td> <td>M5</td> </tr> <tr> <td>12 · 15</td> <td>M6</td> </tr> <tr> <td>16~25</td> <td>M8</td> </tr> </table>		P	M	8	M4	10	M5	12 · 15	M6	16~25	M8
P	M												
8	M4												
10	M5												
12 · 15	M6												
16~25	M8												

Straight Ejector Pins

Dies Steel SKD61 equivalent + Nitriding

Order Part Number — L — Days to Ship Quotation

EPN—L 3 — 125.55