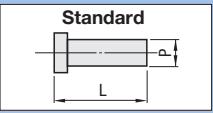




Dies Steel
SKD61 equivalent
+
Nitriding

STRAIGHT EJECTOR PINS

—STANDARD—



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

RoHS

Range of guaranteed shaft diameter precision (Details [P.1301](#))
 $T4 \rightarrow x_1 \text{ max. } 30$
 $JIS \rightarrow x_1 \text{ max. } 35$

Range of guaranteed shaft diameter precision (Details [P.1301](#))
 $T4 \rightarrow x_1 \text{ max. } 30$
 $JIS \rightarrow x_1 \text{ max. } 35$

M SKD61 equivalent + Nitrided
T Surface base: 900HV~
 Base material: 40~45HRC
 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	4mm(T4)	0 -0.02
EPJ	6 · 8mm (JIS)	0 -0.05

L	P			
	1 ~ 13	15 ~ 20	25	
L ≤ 500	-0.01 -0.02	-0.01 -0.03	-0.01 -0.04	
L ≥ 600	-0.01 -0.03	-0.01 -0.03	-0.01 -0.05	

4mm head		JIS head		Part Number				L Selection																						
H	T	H	T	Type		P																								
				4mm head	JIS head	1	1.1	1.2	1.3	1.4																				
3	4	—	—	EPN	—	1	1.1	1.2	1.3	1.4	100	150																		
						1.5					100	150	200																	
						1.6	1.7	1.8	1.9		100	150	200																	
						2					100	150	200	250	300	350	400													
						2.1	2.2	2.3	2.4		100	150	200	250	300															
						2.5					100	150	200	250	300	350	400													
						2.6	2.7	2.8	2.9		100	150	200	250	300															
						3					100	150	200	250	300	350	400	450	500											
						3.1	3.2	3.3	3.4		100	150	200	250	300	350	400													
						3.5					100	150	200	250	300	350	400	450	500											
7	4	—	—	EPN	—	3.6	3.7	3.8	3.9		100	150	200	250	300	350	400													
						4					100	150	200	250	300	350	400	(500)	(600)											
						(4.1)	(4.2)	(4.3)	(4.4)		200	300	400																	
						4.5					100	150	200	250	300	350	400	(500)												
						(4.6)	(4.7)	(4.8)	(4.9)		200	300	400																	
						5					100	150	200	250	300	350	400	500	(600)											
						(5.1)	(5.2)	(5.3)	(5.4)		200	300	400																	
						5.5					100	150	200	250	300	350	400	500												
						(5.6)	(5.7)	(5.8)	(5.9)		200	300	400																	
						9	4	—	—	EPN	—	6					100	150	200	250	300	350	400	500	(600)	(700)	(800)			
(6.1)	(6.2)	(6.3)	(6.4)		200							300	400																	
6.5					100							150	200	250	300	350	400	500	(600)	(700)										
7					100							150	200	250	300	350	400	500	(600)	(700)	(800)	(900)	(1000)							
8					100							150	200	250	300	350	400	(450)	500	(600)	(700)	(800)	(900)	(1000)						
10					100							150	200	250	300	350	400	(450)	500	(600)	(700)	(800)	(900)	(1000)						
12					100							150	200	250	300	350	400	(450)	500	(600)	(700)	(800)	(900)	(1000)						
(13)					100							150	200	250	300	350	400	500												
15					100							150	200	250	300	350	400	(450)	500	(600)	(700)	(800)	(900)	(1000)						
16					100							150	200	250	300	350	400	500	(600)	(700)	(800)	(900)	(1000)							
10	—	—	—	EPJ	—	20					150	200	250	300	400	500	600	700	800	900	1000									
						25					200	300	400	500	600	700	800	900	1000											

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

Order **Part Number** — **L**
 EPN 3 — 100

Days to Ship **Quotation**

Alterations **Part Number** — **L** — (KC · WKC...etc.)
 EPN 16 — 500 — NC
Quotation

Alterations	Code	Spec.	1Code
	KC	Single flat cutting P/2 ≤ KC < H/2	
	WKC	Two flats cutting P/2 ≤ WKC < H/2	
	KAC KBC	Varied width parallel flats cutting P/2 ≤ KAC < H/2 KBC = 0.1mm increments only KAC < KBC < H/2	
	RKC	Two flats (right angled) cutting P/2 ≤ RKC < H/2	
	DKC	Three flats cutting P/2 ≤ DKC < H/2	
	SKC	Four flats cutting P/2 ≤ SKC < H/2	
	KGC	Two flats (angled) cutting P/2 ≤ KGC < H/2 AG = 1° increments 0 < AG < 360	
	KTC	Three flats cutting at 120° P/2 ≤ KTC < H/2	

Quotation

(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

P Price **Quotation**

Alteration details [P.53](#)

Alterations	Code	Spec.	1Code												
	HC	HC = 0.1mm increments P + 1 ≤ HC < H, P ≥ 1.5													
	TC	TC = 0.1mm increments T/2 ≤ TC < T, P ≥ 1.5 Dimension L becomes shorter by (T - TC)													
	NC	Dowel hole boring Available when H ≥ 4 Combination with other than NHC · NHN not available.	<table border="1"> <tr><td>T</td><td>d</td><td>ℓ</td></tr> <tr><td>4</td><td>2</td><td>3</td></tr> <tr><td>6</td><td>3</td><td>5</td></tr> </table>	T	d	ℓ	4	2	3	6	3	5			
T	d	ℓ													
4	2	3													
6	3	5													
	NCW	Dowel hole boring + Spring pin driving Available when H ≥ 4 Combination with other than NHC · NHN not available.	<table border="1"> <tr><td>T</td><td>d</td><td>ℓ₁</td></tr> <tr><td>4</td><td>2</td><td>5</td></tr> <tr><td>6</td><td>3</td><td>5</td></tr> <tr><td>8</td><td>3</td><td>5</td></tr> </table>	T	d	ℓ ₁	4	2	5	6	3	5	8	3	5
T	d	ℓ ₁													
4	2	5													
6	3	5													
8	3	5													
	NCS	Dowel hole boring + Dowel pin driving Available when H ≥ 4 Combination with other than NHC · NHN not available.	<table border="1"> <tr><td>T</td><td>d</td><td>ℓ₂</td></tr> <tr><td>4</td><td>2</td><td>5</td></tr> <tr><td>6</td><td>3</td><td>5</td></tr> <tr><td>8</td><td>3</td><td>5</td></tr> </table>	T	d	ℓ ₂	4	2	5	6	3	5	8	3	5
T	d	ℓ ₂													
4	2	5													
6	3	5													
8	3	5													
	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 when P ≥ 8 Combination with any other alteration not available.	<table border="1"> <tr><td>P</td><td>M</td></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														

Quotation

Straight Ejector Pins
Dies Steel SKD61 equivalent + Nitriding