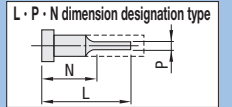
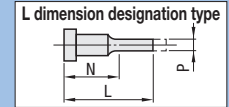


Dies Steel
SKD61 equivalent
+
Nitrided

STEPPED EJECTOR PINS

— L DIMENSION DESIGNATION TYPE / L · P · N DIMENSION DESIGNATION TYPE —



Ⓢ Non JIS material definition is listed on P.1359 - 1360

RoHS

Part Number	Type	Head Thickness	T
ENSL	L dimension designation type	4mm(T4)	0 (L > 300 → T = 0)
ENSF	L · P · N dimension designation type	4mm(T4)	0 (L > 300 → T = 0)
EJSL	L dimension designation type	6 · 8mm(JIS)	0
EJSF	L · P · N dimension designation type	6 · 8mm(JIS)	-0.05

L	P	
	1.5~8	10~20
L ≤ 500	-0.01 -0.02	-0.01 -0.03
L > 500	-0.01 -0.03	-0.01 -0.04

Range of guaranteed shaft diameter precision (D) (Details P.1309)
Step R (Details P.1310)
SKD61 equivalent + Nitrided
Surface 900HV ~ Base material 40 ~ 45HRC
Range of guaranteed base material hardness (Details P.1311)
Range of guaranteed surface hardness for nitriding (Details P.1311)

L dimension designation type

H	T	Part Number		L	P	N
		Type	D			
3	4	ENSL	1.5	50.00 ~ 100.00	0.8 1.0	40 50
				100.01 ~ 150.00		40 50 70
			2	50.00 ~ 100.00	0.8 1.0 1.2 1.5	40 60
				100.01 ~ 150.00		40 50 70 90
			2.5	60.00 ~ 100.00	1.0 1.2 1.5 1.8 2.0	50 60
				100.01 ~ 150.00		50 60 70 90
	150.01 ~ 200.00	70 80 100				
		3	100.01 ~ 150.00	1.5 1.8 2.0 2.5	50 60	
	150.01 ~ 200.00	50 60				
		6	EJSL	4	100.00 ~ 150.00	1.5 2.0 2.5 3.0
	150.01 ~ 200.00				70 100	
	200.01 ~ 250.00			100 125		
5	100.00 ~ 150.00			3.0 3.5 4.0	50	
	150.01 ~ 200.00				70 100	
200.01 ~ 250.00	100 125					
6	100.00 ~ 150.00	4.0	50			
	150.01 ~ 200.00		70 100			
200.01 ~ 250.00	100 125					

Ⓢ L - N ≥ 10

L · P · N dimension designation type

H	T	Part Number		L	P	N
		4mm head	JIS head			
3	4	ENSF	EJSF	1.5	0.80 ~ 1.40	N ≥ 15
4				2	0.80 ~ 1.90	and
5				2.5	0.80 ~ 2.40	15 ≤ (L - N) ≤ 150
6				3	1.00 ~ 2.90	• N ≥ 15 (T4) and 20 ≤ (L - N) ≤ 200
7				3.5	1.50 ~ 3.40	
8				4	1.50 ~ 3.90	
				4.5	2.50 ~ 4.40	
9				5	3.00 ~ 4.90	
				5.5	3.50 ~ 5.40	
10				6	4.00 ~ 5.90	
				6.5	4.50 ~ 6.40	
11				7	4.90 ~ 6.90	
				8	5.90 ~ 7.90	
15				10	7.90 ~ 9.90	
17				12	8.90 ~ 11.90	
				15	10.90 ~ 14.90	
21				16	11.90 ~ 15.90	
	20	15.90 ~ 19.90				

• N ≥ 1/3 (JIS)
and
(L - N) ≥ 10



Part Number	L	P	N
ENSL 2.5	149.78	P1.5	N70
EJSL 5	223.70	P3.5	N100
EJSF 10	720.5	P9.00	N300



Days to Ship

• L dimension designation type
3 Days Express A P.46
 Ⓢ Delivery days depend on subsidiary P.45

• L · P · N dimension designation type
5 Days Express B P.46
 Ⓢ Delivery days depend on subsidiary P.45
 Ⓢ Express services available only for EJSF.



Part Number	L	P	N	(KC · WKC...etc.)
ENSL 2.5	149.78	P1.5	N70	NCW
EJSF 10	720.5	P9.00	N300	SKC7.0

Ⓢ Express services not available for NHC · NHN · MC

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

Alteration details P.129

Alterations	Code	Spec.	1Code
	HC	HC = 0.1mm increments D + 1 ≤ HC < H	Quotation
	TC	TC = 0.1mm increments T - TC ≤ Lmax - L ENSL, EJSL → Dimension L remains unchanged Dimensions N becomes shorter by (T - TC). ENSF, EJSF → Dimensions L and N remain unchanged.	
	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.130 Combination with SKC not available.	
	NHN	Automatic sequential numbering on the head How to order P.130 Combination with SKC not available.	
	MC	Head tapping Available for EJSF when D ≥ 8, H ≥ 13, T = 8 Combination with any other alteration not available.	



Quantity discount rate P.45

Quantity	1~4	5~12	13~49	50~100
Rate	—	5%	10%	20%

Ⓢ To be quoted on price & lead time above Max. Q'ty.

Stepped Ejector Pins

Dies Steel SKD61 equivalent + Nitrided