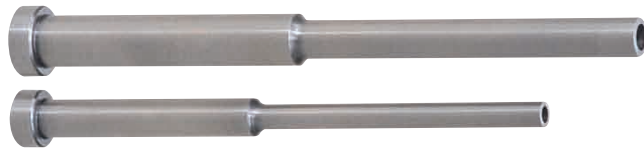


STEPPED EJECTOR SLEEVE

— L DIMENSION DESIGNATION TYPE —

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



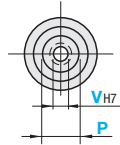
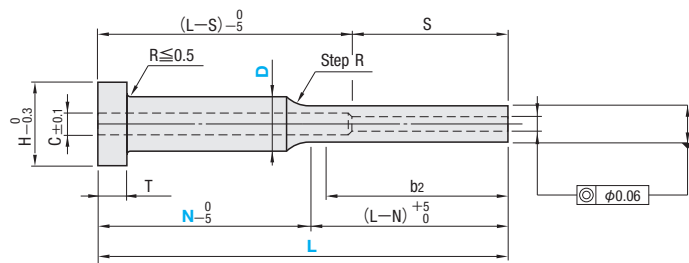
RoHS

Part Number	Head Thickness (T)	P	D	T	V	L		Applicable center pin shaft diameter tolerance
						L≤200	L>200	
ESNF-LC	4mm (T4)	-0.01 -0.02	-0.01 -0.02	0 -0.02	H7	+0.02 0	+0.05 0	-0.01 -0.02
ESJF-LC	8mm (JIS)	P≤12.00 0.01 -0.02 -0.02 P>12.00 -0.01 -0.03	-0.02 -0.04	0 -0.05				

Ⓜ VH7

V	3.0	3.5	4.0	4.5
+	+0.010	+0.012	+0.015	+0.018
0	0	0	0	0

※Note that for sleeves with V dimension tolerance of H7, combination with center pins that have shaft diameter tolerance -0.005 is not recommended. The reason for this is the fitting sections S are longer. (Details Ⓜ P.1309)



C=V+0.5

- Ⓜ SKD61 equivalent+Nitrided
- Ⓜ Surface : 900HV
- Base material : 40±3HRC

- Ⓜ Range of guaranteed shaft diameter precision (D) (Details Ⓜ P.1305)
- Ⓜ Range of guaranteed base material hardness (Details Ⓜ P.1307)
- Ⓜ Range of guaranteed surface hardness for nitriding (Details Ⓜ P.1308)
- Ⓜ Step R (Details Ⓜ P.1306)
- Ⓜ Range of guaranteed tip-diameter precision (b2) (Details Ⓜ P.1306)

L	L100.00 ~125.00	L125.01 ~150.00	L150.01 ~175.00	L175.01 ~200.00	L200.01 ~225.00	L225.01 ~250.00	L250.01 ~275.00	L275.01 ~300.00
(L-S)	75 (V1.5...85)	100 (V1.5...110)	115	120	125	150	175	200

Ⓜ Note that the stepped center pin's shaft diameter (D) is too large to fit in the recess (C). (Details Ⓜ P.1310)

Alterations Part Number L V P N (KC · WKC...etc.)
 ESNF-LC6 - 200.00 - V2.5 - P4.0 - N60 - KC3.0
 ESJF-LC8 - 200.00 - V3.0 - N80 - WKC4.0

Alteration details Ⓜ P.275

Alterations	Code	Spec.	1Code	Alterations	Code	Spec.	1Code
	KC	Single flat cutting D/2 ≤ KC < H/2			HC	HC=0.1mm increments Ⓜ D ≤ HC < H Ⓜ In relation to the diameter tolerance, alteration may create a straight piece with little diameter difference between the head and shaft.	
	WKC	Two flats cutting D/2 ≤ WKC < H/2			CW	Two-step recessing (Makes recess C into two-steps and widens it) CW=0.1mm increments W=5mm increments Ⓜ C+0.5 ≤ CW ≤ C max. Ⓜ ESJF-LC CW ≤ 13.5 Ⓜ 10 ≤ W ≤ L-S-10 Ⓜ W ≤ N-20, W ≤ 200	
	KAC	Varied width parallel flats cutting D/2 ≤ KAC < H/2 KBC=0.1mm increments only KAC < KBC < H/2			CGX	CGX=0.1mm increments Ⓜ 0.2 ≤ CGX ≤ 1.5 and CGX ≤ P-V/2 -0.1 Ⓜ Available when L-N ≥ 50 Ⓜ Combination with RGX/CGZ/RGZ not available.	
	RKC	Two flats (right angled) cutting D/2 ≤ RKC < H/2			RGX	RGX=0.1mm increments Ⓜ 0.3 ≤ RGX ≤ 1.5 and RGX ≤ P-V/2 -0.1 Ⓜ Available when L-N ≥ 50 Ⓜ Combination with CGX/CGZ/RGZ not available.	
	DKC	Three flats cutting D/2 ≤ DKC < H/2			CGZ	CGZ=0.1mm increments Ⓜ 0.2 ≤ CGZ ≤ 1.0 and CGZ ≤ P-V/2 -0.1 Ⓜ Available when L-N ≥ 50 Ⓜ Combination with CGX/RGX/RGZ not available.	
	SKC	Four flats cutting D/2 ≤ SKC < H/2			RGZ	RGZ=0.1mm increments Ⓜ 0.5 ≤ RGZ ≤ 1.0 and RGZ ≤ P-V/2 -0.1 Ⓜ Available when L-N ≥ 50 Ⓜ Combination with CGX/RGX/CGZ not available.	
	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					
	TC	TC=0.1mm increments Ⓜ T/2 ≤ TC < T, T-TC ≤ Lmax.-L Ⓜ Dimensions L, N and (L-S) remain unchanged. Ⓜ TC tolerance is the same as T dimension tolerance.					

4mm head

H	T	Part Number		L	V	P	N	
		Type	D				0.01mm increments	
7	4	ESNF-LC	4	100.00~125.00	1.5 2.0	3.0 3.5 3.5	50	60
				125.01~150.00	1.5 2.0	3.0 3.5 3.5	60	80
8	4	ESNF-LC	5	100.00~125.00	2.0 2.5	3.5 4.0 4.0	50	60
				125.01~150.00	2.0 2.5	3.5 4.0 4.0	60	80
9	4	ESNF-LC	6	100.00~150.00	2.0 2.5	4.0 4.0	60	80
				150.01~200.00	2.5 3.0	4.0 4.5 5.0	60	80
11	4	ESNF-LC	8	100.00~150.00	3.5 4.5	5.0 5.5 6.0	60	80
				150.01~200.00	2.5 4.0	4.5 5.0 6.5	80	100
				200.01~250.00	3.5	6.5	80	100

8mm Head (JIS)

H	T	P	Part Number		L	V	N	
			Type	D			0.01mm increments	
13	8	V+2.0	ESJF-LC	8	100.00~125.00	3.0 3.5 4.0 4.5	50	60
					125.01~150.00		60	80 100
17	8	V+2.5	ESJF-LC	12	150.01~175.00	5.0 5.5	80	100 120
					175.01~200.00		80	100 120
20	8	V+4.0	ESJF-LC	15	200.01~225.00	6.0 8.0 9.0	100	120 150
					225.01~250.00		100	120 150
25	8	V+4.0	ESJF-LC	20	250.01~275.00	11.0 12.0 15.0	120	150
					275.01~300.00		120	150

Order Days to Ship Price
 Part Number L V P N
 ESNF-LC6 - 152.00 - V2.5 - P4.0 - N60
 ESJF-LC8 - 200.00 - V3.0 - N80

Quotation

Quotation