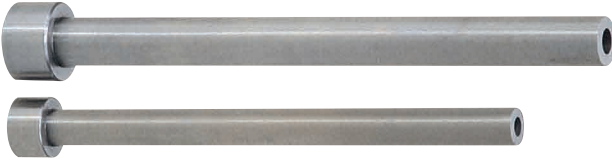


STRAIGHT EJECTOR SLEEVE

— L DIMENSION DESIGNATION TYPE —

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

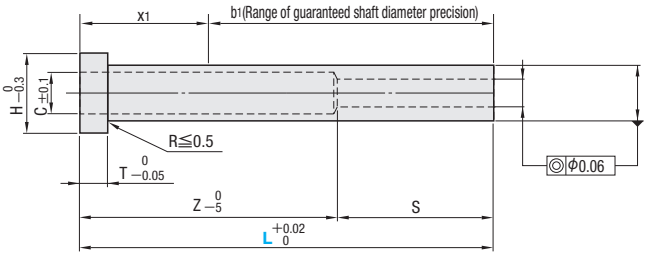
RoHS



Part Number	Tolerance	Applicable center pin shaft diameter tolerance
ESJL	H7	※Note that for sleeves with V dimension tolerance of H7, combination with center pins that have shaft diameter tolerance $0_{-0.005}$ is not recommended. The reason for this is the fitting sections S are longer. (Details P.1309)

D	
$D \leq 12$	$D \geq 15$
-0.01	-0.01
-0.02	-0.03

VH7			
$V \leq 3$	$3.5 \leq V \leq 6$	$6.5 \leq V \leq 10$	$V \geq 12$
$+0.010$	$+0.012$	$+0.015$	$+0.018$
0	0	0	0



S dimension depends on the designated L dimension.
 $S=L-Z$

L	80.00~100.00	100.01~120.00	120.01~140.00	140.01~160.00	160.01~180.00	180.01~225.00	225.01~250.00	250.01~275.00	275.01~300.00	300.01~325.00	325.01~350.00	350.01~375.00	375.01~400.00	400.01~425.00	425.01~450.00	450.01~475.00	475.01~500.00
Z	50 (60)	70 (80)	90 (100)	85	105	125	150	175	185	210	235	225	250	275	300	325	350

Ⓜ SKD61 equivalent + Nitrided
 Ⓜ Surface : 900HV
 Base material : 40 ± 3HRC
 Ⓜ (Range of guaranteed shaft diameter precision) (Details [P.1305](#))
 x1 max. = 35
 Ⓜ Range of guaranteed base material hardness (Details [P.1307](#))
 Ⓜ Range of guaranteed surface hardness for nitriding (Details [P.1308](#))

H	T	Part Number Type	D	L		V	
				0.01mm increments	Selection		
8	6	ESJL	4	80.00~140.00	1.5 2 2.5		
				140.01~200.00	2 2.5		
4.5			80.00~140.00	1.5 2 2.5			
			140.01~200.00	2 2.5			
5			80.00~225.00	2 2.5 3			
			225.01~300.00	3			
9	6		80.00~225.00	2 2.5 3			
			225.01~300.00	3			
10	6		80.00~300.00	2 2.5 3 3.5 4			
			300.01~450.00	3 3.5			
11	6.5		80.00~300.00	2 2.5 3 3.5 4			
			300.01~450.00	3 3.5 4			
12	7	80.00~300.00	2 2.5 3 3.5 4 4.5				
		300.01~450.00	3 3.5 4 4.5				
13	7.5	80.00~300.00	3 3.5 4 4.5				
		300.01~375.00	3.5 4 4.5				
14	8	80.00~300.00	2 2.5 3 3.5 4 4.5 5 5.5				
		300.01~450.00	3 3.5 4 4.5 5				
15	8	450.01~500.00	5				
		80.00~300.00	2 2.5 3 3.5 4 4.5 5 5.5				
17	9	80.00~300.00	2 2.5 3 3.5 4 4.5 5 5.5				
		300.01~450.00	3 3.5 4 4.5 5				
20	10	450.01~500.00	5 5.5 6				
		80.00~450.00	4 4.5 5 5.5 6 6.5 7				
25	12	450.01~500.00	5 5.5 6 6.5 7				
		80.00~450.00	4 4.5 5 5.5 6 6.5 7 8 8.5				
	15	450.01~500.00	5 5.5 6 6.5 7 8				
		180.01~500.00	9 10				
	20	180.01~500.00	12 15				

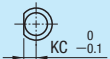



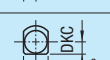
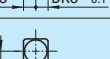


Order Part Number — L — V
ESJL6.5 — 115.50 — V2.5

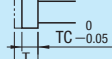

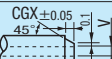
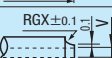
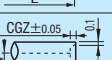
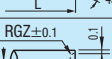
Days to Ship Quotation

P Price Quotation

Alterations Part Number — L — V — (KC · WKC · etc.)
ESJL8 — 200.05 — V4 — KC4.0

Alteration details [P.275](#)

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

Alterations	Code	Spec.	1Code
	TC	$TC = 0.1$ mm increments $T/2 \leq TC < T, (T - TC) \leq L_{max} - L$ V Dimension L remains unchanged. Dimension Z becomes shorter by $(T - TC)$.	Quotation
	HC	$HC = 0.1$ mm increments $D \leq HC < H$ In relation to the diameter tolerance, alteration may create a straight piece with little diameter difference between the head and shaft.	
	CGX	$CGX = 0.1$ mm increments $0.2 \leq CGX \leq 1.5$ and $CGX \leq \frac{D-V}{2} - 0.1$ Available when $L \leq 300$ Combination with RGX/CGZ/RGZ not available.	
	RGX	$RGX = 0.1$ mm increments $0.3 \leq RGX \leq 1.5$ and $RGX \leq \frac{D-V}{2} - 0.1$ Available when $L \leq 300$ Combination with CGX/CGZ/RGZ not available.	
	CGZ	$CGZ = 0.1$ mm increments $0.2 \leq CGZ \leq 1.0$ and $CGZ \leq \frac{D-V}{2} - 0.1$ Available when $L \leq 300$ Combination with CGX/RGX/RGZ not available.	
	RGZ	$RGZ = 0.1$ mm increments $0.5 \leq RGZ \leq 1.0$ and $RGZ \leq \frac{D-V}{2} - 0.1$ Available when $L \leq 300$ Combination with CGX/RGX/CGZ not available.	