


SHORT EJECTOR SLEEVE (BUSHING FOR EJECTOR PINS)

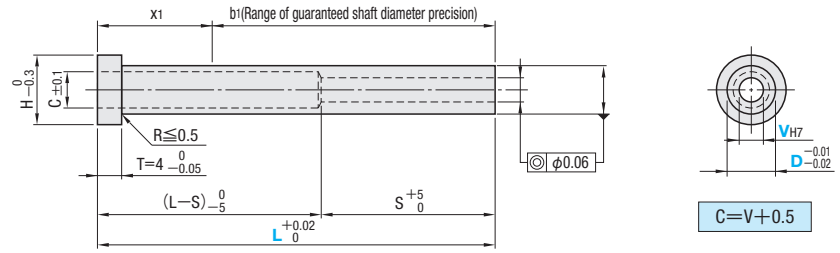
Non JIS material definition is listed on P.1351 - 1352



RoHS

Part Number	V	Applicable center pin shaft diameter tolerance
ECB ECBB	H7	$\begin{matrix} -0.01 \\ -0.02 \end{matrix}$ <small>※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)</small>

VH7		
$V \leq 3.0$	$3.1 \leq V \leq 6.0$	$V \geq 6.1$
$\begin{matrix} +0.010 \\ 0 \end{matrix}$	$\begin{matrix} +0.012 \\ 0 \end{matrix}$	$\begin{matrix} +0.015 \\ 0 \end{matrix}$



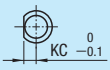




$C = V + 0.5$
 Range of guaranteed shaft diameter precision (Details [P.1305](#))
 x_1 max.10
 SKD61 equivalent + Nitrided
 Surface : 900HV
 Base material : 40 \pm 3HRC
 Range of guaranteed base material hardness (Details [P.1307](#))
 Range of guaranteed surface hardness for nitriding (Details [P.1308](#))

S dimension depends on the designated L dimension.



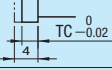
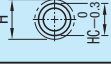
L	S
15.00~30.00	S=L
30.01~50.00	S=L-20

Alterations Part Number - - - (KC · WKC...etc.)

Quotation

Alterations	Code	Spec.	1Code
	KC	KC=0.1mm increments D/2 \leq KC < H/2	Quotation
	WKC	WKC=0.1mm increments D/2 \leq WKC < H/2	
	KAC KBC	KAC, KBC=0.1mm increments D/2 \leq KAC < KBC < H/2	
	RKC	RKC=0.1mm increments D/2 \leq RKC < H/2	
	DKC	DKC=0.1mm increments D/2 \leq DKC < H/2	

Alteration details [P.275](#)

Alterations	Code	Spec.	1Code
	KGC	KGC=0.1mm increments AG=1° increments D/2 \leq KGC < H/2, 0 < AG < 360	Quotation
	KTC	KTC=0.1mm increments D/2 \leq KTC < H/2	
	TC	TC=0.1mm increments 2.0 \leq TC < 4, 4 - TC \leq Lmax. - L Dimension L remains unchanged. Dimensions (L-S) become shorter by (4-TC).	
	HC	HC=0.1mm 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.	

V dimension selection type

H	C (V+0.5)	VH7	Part Number		L 0.01mm increments	V	
			Type	D			
7	2.0	1.5	ECB	15.00~50.00	4	1.5	
	2.5	2.0				2.0	
	3.0	2.5				2.5	
8	2.5	2.0				5	2.0
	3.0	2.5					2.5
	3.5	3.0					3.0
9	3.5	3.0				6	3.0
	4.0	3.5					3.5
10	4.5	4.0				7	4.0
	3.5	3.0					3.0
11	4.5	4.0				8	4.0
	5.5	5.0					5.0
	6.5	6.0					6.0
15	5.5	5.0				10	5.0
	6.5	6.0					6.0
	8.5	8.0	8.0				

- ECB is the standard to fit to center pins with shaft diameter tolerance -0.01 to -0.02 . It is not available for center pins with shaft diameter tolerance -0.005 .
- For sleeves with dimension L of 50.01 or more, use ESN-LC. ([P.307](#))
- Nitriding may extend to the head as it is applied after dimension V machining.

V dimension designation type

H	VH7	Part Number		L 0.01mm increments	V 0.1mm increments
		Type	D		
7	1.6~2.9	ECBB	15.00~50.00	4	1.6~1.9
					2.1~2.4
8	5			2.1~2.4	
				2.6~2.9	
9	6			3.1~3.4	
				3.6~3.9	
10	7			3.1~3.9	
				4.1~5.0	
11	8			4.1~4.9	
				5.1~5.9	
15	10			5.1~5.9	
				6.1~7.9	

- ECBB is the standard to fit to center pins with shaft diameter tolerance -0.01 to -0.02 . It is not available for center pins with shaft diameter tolerance -0.005 .
- For sleeves with dimension L of 50.01 or more, use ESN-L. ([P.311](#))
- Nitriding may extend to the head as it is applied after dimension V machining.

Order Part Number - - Days to Ship

Price Quotation