

SKH51 equivalent
Thin-wall
Concentricity $\odot 0.005$
Wall thickness 0.3mm~

PRECISION SMALL DIAMETER · THIN-WALL STEPPED EJECTOR SLEEVE

— TAPERED TYPE —

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

RoHS

Part Number	P	V	Applicable center pin shaft diameter tolerance
ESVFX	$\begin{matrix} 0 \\ -0.005 \end{matrix}$	$\begin{matrix} +0.005 \\ 0 \end{matrix}$	$\begin{matrix} 0 \\ -0.005 \end{matrix}$ (Details P.1309)

Ⓜ Range of guaranteed shaft diameter precision (D)
 (Details [P.1305](#))
 Step R (Details [P.1306](#))
 Ⓜ Range of guaranteed tip-diameter precision (b₂)
 (Details [P.1306](#))

Ⓜ SKH51 equivalent
 Ⓜ 58~60HRC
 Range of guaranteed base material hardness (Details [P.1307](#))
 Overall quenching (No annealing on head)

Quotation

Alterations Part Number L P V N S (KC · WKC...etc.)
 ESVFX 3 - 100.00 - P2.50 - V1.00 - N60 - S2 - KC 2.5

Alterations	Code	Spec.	1Code
	KC	Single flat cutting $D/2 \leq KC < H/2$	About Designation Unit for Key Flat Cutting (1) To align the key flat with the shaft diameter Unit of designation 0.5mm increments possible (2) To designate arbitrary key flat dimensions Unit of designation 0.1mm
	WKC	Two flats cutting $D/2 \leq WKC < H/2$	
	KAC KBC	Varied width parallel flats cutting $D/2 \leq KAC < H/2$ $KBC = 0.1\text{mm increments only}$ $KAC < KBC < H/2$	
	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 $D/2 \leq KGC < H/2$ $AG = 1^\circ \text{ increments}$ $0 < AG < 360$	
	KTC	Three flats cutting at 120° $D/2 \leq KTC < H/2$	

Alterations	Code	Spec.	1Code
	TC	TC=0.1mm increments $2.0 \leq TC < 4, 4 - TC \leq L_{\text{max}} - L$ Ⓜ Dimensions L, N and (L-S) remain unchanged.	Quotation
	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.	
	HCC	HCC=0.1mm increments Ⓜ $D + 1 \leq HCC < H - 0.3$	

4mm head		Tapered section	Cmax.	Part Number				0.01mm increments			1mm increments	
H	T			Type	D	L	P	V	N	S		
6	4	Tapered 1/1000 or more	2.2	ESVFX	3	100.00~150.00	2.50~3.00 3.00~4.00	1.00~1.50	1.00 ≤ V ≤ D - 2	N ≥ L/2 (L - N ≥ 30)	2 ≤ S ≤ V × 3	
7												
8												
9												
10												
11												
			Cmax. ≥ C ≥ V + 0.5									Working limits for V V ≤ P - 0.6

Order Part Number L P V N S
 ESVFX 3 - 100.00 - P2.50 - V1.00 - N60 - S2

Days to Ship Quotation

Characteristics

- Damage becomes unlikely in assembly of center pins due to tapered shape of recessed hole.
- Full length L can be set up to 200mm for wall thickness of 0.3mm and more.

Ejector Sleeves

High Speed Steel
SKH51 equivalent