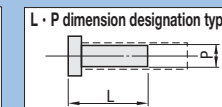
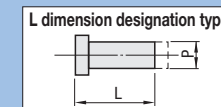
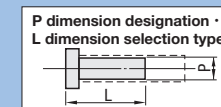


High Speed Steel  
SKH51 equivalent  
4mm head

# EXTRA PRECISION STRAIGHT EJECTOR PINS

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



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

RoHS

Part Number	Head thickness	L	P	Tip Face Roughness
EPV-G (P dimension designation · L dimension selection type)	4mm(T4)	$\begin{matrix} +5 \\ +0.1 \end{matrix}$	$\begin{matrix} 0 \\ -0.002 \end{matrix}$	-
EPV-L (L dimension designation type)		$\begin{matrix} +0.01 \\ 0 \end{matrix}$		
EPVB (L · P dimension designation type)				

Range of guaranteed shaft diameter precision (Details P.1301)

P	x1 max.
0.3~0.799	10
0.8~5	30

SKH51 equivalent  
58~60HRC

Range of guaranteed base material hardness (Details P.1303)  
Applied with overall quenching (Head without annealing)

Ⓢ The heads of extra precision straight ejector pins are not annealed in order to guarantee precision. Use a construction that supports sliding and does not readily apply a load to the flange of the ejector pin, such as by using a precision ejector guide pin&bushing.

**■ P Dimension Designation · L Dimension Selection Type**

H	T	Part Number		L	P
		Type	No.		
2	4	EPV-G	0.4	60	0.300~0.399
			0.5	60 100	0.400~0.499
			0.6		0.500~0.599
			0.7	0.600~0.699	
			0.8	0.700~0.799	
			0.9	60 100 150	0.800~0.899
			1		0.900~0.999
			1.5	100 150	1.000~1.499
			2		1.500~1.999
			2.5		2.000~2.499
3	2.500~2.999				
3.5	3.000~3.499				
4	100 150	4	3.500~3.999		
4.5		4.000~4.499			
5		4.500~4.999			

Ⓢ The figure for H dimension is 2 when P<0.4.

**■ L Dimension Designation Type**

H	T	Part Number		L
		Type	P	
2	4	EPV-L	*0.3	20.00~ 60.00
			*0.4	30.00~100.00
			0.5	
			0.6	50.00~150.00
			0.7	
			0.8	
			0.9	
			1	50.00~150.00
			1.5	
			2	
2.5				
3	50.00~150.00	3		
3.5				
4				
4	50.00~150.00	4.5		
5				
7				
8				

Ⓢ \*The figure for H dimension is 2 for P dimensions 0.3 or 0.4.

**■ L · P Dimension Designation Type**

H	T	Part Number		L	P
		Type	No.		
2	4	EPVB	0.4	20.00~ 60.00	0.300~0.399
			0.5	30.00~100.00	0.400~0.499
			0.6		0.500~0.599
			0.7	0.600~0.699	
			0.8	0.700~0.799	
			0.9	50.00~150.00	0.800~0.899
			1		0.900~0.999
			1.5	50.00~150.00	1.000~1.499
			2		1.500~1.999
			2.5		2.000~2.499
3	2.500~2.999				
3.5	3.000~3.499				
4	50.00~150.00	4	3.500~3.999		
4.5		4.000~4.499			
5		4.500~4.999			

Ⓢ The figure for H dimension is 2 when P<0.4.

Order

Part Number — L — P  
EPV-G 2 — 150 — P.1.725  
EPV-L 2 — 150.00

Days to Ship

Quotation

Alterations

Part Number — L — P — (KC · WKC...etc.)  
EPV-L 2 — 150.00 — KC1.5

Quotation

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

Ⓢ About Designation Unit for Key Flat Cutting

Ⓢ (1) To align the key flat with the shaft diameter

Ⓢ (2) To designate arbitrary key flat dimensions

Ⓢ (Unit of designation) 0.1mm

Alteration details P.53

Alterations	Code	Spec.	1Code
	HC	HC = 0.1mm increments P+1 ≤ HC < H, P ≥ 1.5	Quotation
	HCC	HCC = 0.1mm increments P+1 ≤ HCC < H - 0.3, P ≥ 1.5	
	TC	TC = 0.1mm increments 2.0 ≤ TC < 4, P ≥ 1.5 4 - TC ≤ Lmax. - L EPV-G → Dimension L becomes shorter by (4 - TC). EPV-L, EPVB → (Dimension L remains unchanged.)	
	TRN	Relief under the head Available when P ≥ 0.6	
	NHC	Numbering on the head How to order P.54 Available when H ≥ 2 Combination with SKC not available.	
	NHN	Automatic sequential numbering on the head How to order P.54 Available when H ≥ 2 Combination with SKC not available.	
	TMC	Lapping on the tip face Available when P ≥ 0.6 Available when EPV-L · EPVB	
	LKC	Changes L dimension tolerance. L +0.01 ... +0.005 (L designation in 0.005mm increments possible) Available when 1.5 ≤ P ≤ 5 Available when EPV-L · EPVB	
	PKC	Shaft diameter tolerance alteration (range alteration) P -0.002 ... -0.001 -0.003	

Price

Quotation

Straight Ejector Pins

High Speed Steel SKH51 equivalent