

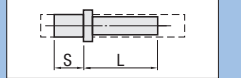
# STRAIGHT EJECTOR PINS WITH FREE FLANGE POSITION

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

L dimension designation type



L · P dimension designation type



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

RoHS

**EP SH**  
**EP SH B**

**EP SHE**  
**EP SH BE**

Part Number	Head Thickness	T P
EP SH (L dimension designation type)	4mm (T4)	0
EP SH B (L · P dimension designation type)		-0.005
EP SHE (L dimension designation type)		-0.01
EP SH BE (L · P dimension designation type)		-0.02

Range of guaranteed shaft diameter precision (Details [P.1301](#))  
 Ⓜ SKH51 equivalent  
 Ⓜ 58~60HRC  
 Range of guaranteed base material hardness (Details [P.1303](#))

### L Dimension Designation Type

H	D	Part Number Type	0.01mm increments		
			P	L	S
3	1.5	<b>EP SH</b> (P <sup>0</sup> <sub>-0.005</sub> )	<b>1</b>	5.00~150.00	5.00~40.00
4	2		<b>2</b>	5.00~200.00	
5	2.5		<b>3</b>		
6	3		<b>4</b>		
7	3.5	<b>EP SHE</b> (P <sup>-0.01</sup> <sub>-0.02</sub> )	<b>4.5</b>	5.00~250.00	5.00~50.00
8	4		<b>5</b>		
9	5.5		<b>5.5</b>		
10	6		<b>6</b>		
	6.5		<b>6.5</b>		
	7		<b>7</b>		

### L · P Dimension Designation Type

H	D	Part Number Type	No.	0.01mm increments		
				L	P	S
3	1.5	<b>EP SH B</b> (P <sup>0</sup> <sub>-0.005</sub> )	<b>1.5</b>	5.00~150.00	1.00~1.49	5.00~40.00
4	2		<b>2</b>	5.00~200.00	1.50~1.99	
5	2.5		<b>2.5</b>	2.00~2.49		
6	3		<b>3</b>	2.50~2.99		
7	3.5	<b>EP SH BE</b> (P <sup>-0.01</sup> <sub>-0.02</sub> )	<b>3.5</b>	3.00~3.49	5.00~50.00	
8	4		<b>4</b>	3.50~3.99		
9	5.5		<b>5</b>	5.00~250.00	4.50~4.99	
10	6		<b>5.5</b>		5.00~5.49	
	6.5		<b>6</b>		5.50~5.99	
	7		<b>6.5</b>		6.00~6.49	
			<b>7</b>		6.50~6.99	

**Order**

Part Number — L — P — S

EP SH 5 — 60.00 — S10.00

EP SH B 3.5 — 117.32 — P3.25 — S26.30

**Days to Ship**

**Quotation**

**Alterations**

Part Number — L — P — S — (HC · TC · DC · etc.)

EP SH 5 — 60.00 — S10.00 — TC3.0

EP SH B 5 — 60.00 — P4.50 — S10.00 — TC3.0

Alteration details [P.174](#)

Alterations	Code	Spec.	1Code
	<b>KC</b>	KC=0.1mm increments Ⓜ D/2+0.1 ≤ KC < H/2	
	<b>WKC</b>	WKC=0.1mm increments Ⓜ D/2+0.1 ≤ WKC < H/2	
	<b>KAC</b> <b>KBC</b>	KAC, KBC=0.1mm increments Ⓜ D/2+0.1 ≤ KAC < KBC < H/2	<b>Quotation</b>
	<b>RKC</b>	RKC=0.1mm increments Ⓜ D/2+0.1 ≤ RKC < H/2	
	<b>DKC</b>	DKC=0.1mm increments Ⓜ D/2+0.1 ≤ DKC < H/2	
	<b>SKC</b>	SKC=0.1mm increments Ⓜ D/2+0.1 ≤ SKC < H/2	

Alterations	Code	Spec.	1Code
	<b>KGC</b>	KGC=0.1mm increments AG=1° increments Ⓜ D/2+0.1 ≤ KGC < H/2, 0 < AG < 360	
	<b>KTC</b>	KTC=0.1mm increments Ⓜ D/2+0.1 ≤ KTC < H/2	<b>Quotation</b>
	<b>HC</b>	HC=0.1mm increments Ⓜ P+1 ≤ HC < H	
	<b>TC</b>	TC=0.1mm increments Ⓜ 2.0 ≤ TC ≤ 10 and TC ≤ L-10 (Dimensions L and S remain unchanged.)	
	<b>DC</b>	DC=0.1mm increments Ⓜ P-1 ≤ DC < D and DC ≥ 1.5 Ⓜ Available for L · P Dimension designation type only. Ⓜ Only available combination is with HC · TC	

**P** Price **Quotation**

**ex** Example

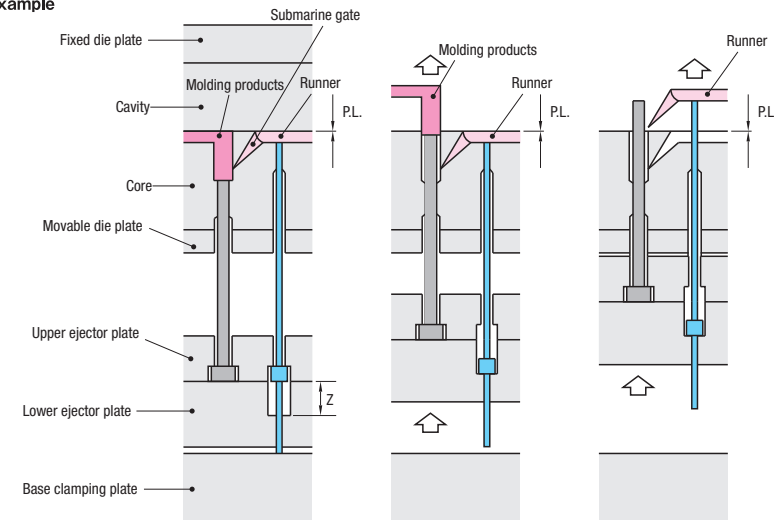


Fig. 1 • Mold closed      Fig. 2 • Mold opening      Fig. 3 • Mold opened

Free flange position ejector pins can be ejected in differential time.  
The runner can be slowly ejected by the depth of counter bore Z (Fig.1).  
They are applicable to ejection of molded products and two-step ejection.

