

STRAIGHT EJECTOR PINS WITH GAS VENT

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



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

RoHS

P	d	L	SV
2 ~ 2.49	P-0.2	40.00 ~ 60.00	15
2.50 ~ 3.99	P-0.4	60.01 ~ 200.00	30
4.00 ~ 12	P-0.6	200.01 ~ 350.00	50

Head thickness	L	x1 max.
T4	40.00 ~ 200.00	30
JIS	40.00 ~ 200.00	35
T4	200.01 ~ 250.00	110
JIS	250.01 ~ 300.00	160
JIS	300.01 ~ 350.00	210

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

- L · PC Dimension Designation Type
- T4 → x1 max. 30
- JIS → x1 max. 35
- L · P · PC Dimension Designation Type

Part Number	Head thickness	T P	T PC
GVB-EPH-L GVB-EPHB	4mm(T4)	0 -0.005	
GVB-EPHE-L GVB-EPHBE		-0.01 -0.02	
GVB-EPHJ-L GVB-EPHJB	6 · 8mm(JIS)	0 -0.005	-0.005
GVB-EPHJE-L GVB-EPHJBE		-0.01 -0.02	

Ⓢ SKH51 equivalent
Ⓢ 58~60HRC
Range of guaranteed base material hardness (Details **P.1303**)

L · PC Dimension Designation Type

4mm head		JIS head		Part Number		0.01mm increments		0.5mm increments	
H	T	H	T	Type	P	L	PC	NV	
4				GVB-EPH-L GVB-EPHE-L GVB-EPHJ-L GVB-EPHJE-L	2	40.00~300.00	(GVB-EPH-L) (GVB-EPHJ-L) P-0.08≤85<P	0.5~8.0	
5					2.5				
6					3				
7					3.5				
8	8				4				
8	9	6			4.5				
9	10				5	40.00~350.00	(GVB-EPHE-L) (GVB-EPHJE-L) P-0.08≤85<P-0.02	2.0~10.0	
9	11				5.5				
10					6				
10	11				6.5				
11	13				7				
15	15	8			8				
17	17			10					
				12					

Ⓢ When P=PC; refer to **P.87** Ⓢ L in () is applicable only for head thickness 4mm type.

L · P · PC Dimension Designation Type

4mm head		JIS head		Part Number		0.01mm increments		0.5mm increments		
H	T	H	T	Type	No.	L	P	PC	NV	
5				GVB-EPHB GVB-EPHBE GVB-EPHJB GVB-EPHJBE	2.5	40.00~300.00	2.00 ~ 2.49	(GVB-EPHB) (GVB-EPHJB) P-0.08≤85<P	0.5~8.0	
6					3		2.50 ~ 2.99			
7					3.5		3.00 ~ 3.49			
8	8				4		3.50 ~ 3.99			
8	9	6			4.5		4.00 ~ 4.49			
9	10				5		4.50 ~ 4.99			
9	11				5.5	5.00 ~ 5.49	40.00~350.00	(GVB-EPHBE) (GVB-EPHJBE) P-0.08≤85<P-0.02	2.0~10.0	
10					6	5.50 ~ 5.99				
10	11				6.5	6.00 ~ 6.49				
11	13				7	6.50 ~ 6.99				
15	15	8			8	7.00 ~ 7.99				
17	17				10	8.00 ~ 9.99				
				12	10.00 ~ 11.99					

Ⓢ When P=PC; refer to **P.87** Ⓢ L in () is applicable only for head thickness 4mm type.

Alterations Part Number **GVB-EPHB3** - **L** **148.36** - **P** **P2.96** - **PC** **PC2.94** - **NV** **NV2.0** - **(VKC · VWC...etc.)** **KC1.48**

Quotation

Alterations	Code	Spec.	1Code
	VKC	Precision single flat cutting P/2 ≤ VKC < H/2	
	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	

Ⓢ Flat cutting position is set at 90° of SV dimension in counter clockwise direction.

Alteration details **P.53**

Alterations	Code	Spec.	1Code
	HC	HC=0.1mm increments Ⓢ P+1 ≤ HC < H	
	HCC	HCC=0.1mm increments Ⓢ P+1 ≤ HCC < H-0.3	
	TC	TC=0.1mm increments Ⓢ T/2 ≤ TC < T (Dimension L remains unchanged.) Ⓢ T-TC ≤ Lmax.-L	
	NHC	Numbering on the head How to order P.54 Ⓢ Combination with SKC not available.	
	NHN	Automatic sequential numbering on the head How to order P.54 Ⓢ Combination with SKC not available.	

EX Example ■ Characteristics

Let gas out from the inside of the cavity via the clearance around the ejector pin.

PL line

← Gas flow

P Price **Quotation**

Order Part Number **GVB-EPH-L5** - **L** **210.00** - **P** **PC4.96** - **NV** **NV2.0**
GVB-EPHB3 - **L** **148.36** - **P** **P2.96** - **PC** **PC2.94** - **NV** **NV2.0**

Days to Ship **Quotation**

Straight Ejector Pins
High Speed Steel SKH51 equivalent