

# STRAIGHT EJECTOR PINS WITH GAS VENT

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



Refer to P.87 when tip diameter dimension designated.

RoHS

P	d
2 ~ 2.49	P-0.2
2.50 ~ 3.99	P-0.4
4.00 ~ 12	P-0.6

Close-up A section: Step R, C=0.1±0.05

Close-up B section: C=0.1±0.05

Range of guaranteed shaft diameter precision (Details P.1309)

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

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

The guarantee range of shaft diameter precision is (the value of shaft diameter except gas vent.)

SKH51 equivalent  
58~60HRC  
Range of guaranteed base material hardness (Details P.1311)

Part Number	Head thickness	Part Number	Head thickness	Type	T P	Tip Face Roughness
GV-EPH-L	4mm (T4)	GV-EPHJ-L	6 · 8mm (JIS)	L dimension designation type	0 -0.005 -0.01 -0.02	-
GV-EPHE-L		GV-EPHJE-L		L · P dimension designation type	0 -0.005 -0.01 -0.02	-
GV-EPHB		GV-EPHJB				
GV-EPHBE		GV-EPHJBE				

### L Dimension Designation Type

4mm head		JIS head		Part Number		0.01mm increments		0.5mm increments		0.5mm increments	
H	T	H	T	Type		L		N		SV	
				4mm head	JIS head						
4				GV-EPH-L GV-EPHE-L	GV-EPHJ-L GV-EPHJE-L	2	40.00~300.00	0.5~8.0	2.0~30.0	L-(2+SV+N)≥10	
5			2.5								
6			3								
7			3.5								
8	8		4								
9	9	6	4.5			40.00~300.00(350.00)		2.0~10.0	2.0~50.0		
10	10		5			40.00~350.00		L-(2+SV+N)≥10	L-(2+SV+N)≥10		
11	11		5.5								
15	15	8	6								
17	17		6.5								
			7								
			8								
			10								
			12								

L in ( ) is applicable only for head thickness 4mm type.

### L · P Dimension Designation Type

4mm head		JIS head		Part Number		0.01mm increments		0.5mm increments		0.5mm increments	
H	T	H	T	Type		L		N		SV	
				4mm head	JIS head						
5				GV-EPHB GV-EPHBE	GV-EPHJB GV-EPHJBE	2.5	40.00~300.00	2.00~2.49	0.5~8.0	2.0~30.0	L-(2+SV+N)≥10
6			3			2.50~2.99		L-(2+SV+N)≥10	L-(2+SV+N)≥10		
7			3.5			3.00~3.49					
8	8		4			3.50~3.99					
9	9	6	4.5			4.00~4.49		2.0~10.0	2.0~50.0		
10	10		5			4.50~4.99		L-(2+SV+N)≥10	L-(2+SV+N)≥10		
11	11		5.5			5.00~5.49					
15	15	8	6			5.50~5.99					
17	17		6.5			6.00~6.49					
			7			6.50~6.99					
			8			7.00~7.99					
			10			8.00~9.99					
			12	10.00~11.99							

L in ( ) is applicable only for head thickness 4mm type.

Order **Part Number** — **L** — **P** — **N** — **SV**

GV-EPH-L5 — 210.00 — N2.0 — SV4.0  
GV-EPHB3 — 148.36 — P2.96 — N2.0 — SV4.0

Days to Ship **3** Days

Express A P.46

Delivery days depend on subsidiary. P.45

Non JIS material definition is listed on P.1359 - 1360

Alterations **Part Number** — **L** — **P** — **N** — **SV** — (KC · WKC...etc.)

GV-EPHB3 — 148.36 — P2.96 — N2.0 — SV4.0 — KC1.48

Express services not available for NHC · NHN · TMC

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	Varied width parallel flats cutting P/2 ≤ KAC < H/2 KBC=0.1mm increments only KAC < KBC < H/2	Unit of designation GV-EPH-L · GV-EPHE-L GV-EPHJ-L · GV-EPHJE-L 0.05mm increments possible
	KBC		
	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	

Alteration details P.55

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.56 Combination with SKC not available.	Quotation
	NHN	Automatic sequential numbering on the head How to order P.56 Combination with SKC not available.	Quotation
	TMC	Lapping on the tip face. Details P.56	

**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 **Quantity discount rate** P.45

Quantity	1~4	5~12	13~49	50~100
Rate	—	5%	10%	20%

To be quoted on price & lead time above Max. Q'ty.