



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

Ⓜ The angle (K°) and the secondary sprue (A°) are roundly connected.

RoHS

Shape 1A

Enlarged view of the tip

*This bushing has a flat area of 0~0.1 on its tip (P dimension).
Eccentricity between D and P is 0.05 or less.
Eccentricity between D and V is 0.05 or less.

RoHS

Shape 2A

Enlarged view of the tip

*This bushing has a flat area of 0~0.1 on its tip (P dimension).
Eccentricity between D and P is 0.05 or less.

RoHS

Shape 3A

Enlarged view of the tip

*This bushing has a flat area of 0~0.1 on its tip (P dimension).
Eccentricity between D and P is 0.05 or less.

RoHS

Shape 4A

Enlarged view of the tip

*This bushing has a flat area of 0~0.1 on its tip (P dimension).
Eccentricity between D and P is 0.05 or less.

Ⓜ $R \geq \sqrt{(P/2)^2 + C^2}$ Ⓜ $V = 2 \times \sqrt{R^2 - (\sqrt{R^2 - (P/2)^2} - C)^2}$

RoHS

Shape 5A

Enlarged view of the tip

*This bushing has a flat area of 0~0.1 on its tip (P dimension).
Eccentricity between D and P is 0.05 or less.

• Calculation for the inlet diameter *α

$$\alpha = 2 \left\{ (L-G) \tan \frac{A^\circ}{2} + G \tan \frac{K^\circ}{2} \right\} + P$$

Ⓜ The dimension acquired using the above calculation is the theoretical (reference) value.

Part Number	Type	M	H
PGEV□A	Standard	Nickel alloy	(Inside) 55~60HRC depth: 0.5 (Outside) 40~45HRC

H	G	B	Part Number		L 0.01mm increments	P	A°	K°	None for 2A	Shape 1A only	Shape 3A only	Shape 4A only				
			Type	Shape					C 0.1mm increments	V 0.1mm increments	S° 1° increments	R 0.1mm increments				
5	1.2	6	PGEV	1A	3	0.6 0.8	2	30	0.3~0.8	2.0~2.9	1~45	0.8~1.5				
6				2A	4								0.6 0.8 1.0 1.2	2.5~3.9		
8	1.5	10		3A	5	1.0 1.2 1.4				3.5~4.9						
9				4A		6							1.0 1.2 1.4	4.0~5.9	1~50	1.5~3.0
				5A												

Ⓜ For shape 4A, $R \geq \sqrt{(P/2)^2 + C^2}$

Order

Part Number	L	P	A	K	C	V	S	R
PGEV1A4	20.01	P0.8	A2	30	C0.5	V3.0		
PGEV2A4	20.01	P0.8	A2	30				
PGEV3A4	20.01	P0.8	A2	30	C0.5	S30		
PGEV4A4	20.01	P0.8	A2	30	C0.5	R1.0		
PGEV5A4	20.01	P0.8	A2	30	C0.5			

Days to Ship **Quotation**

Price **Quotation**

EX Example

Alterations

Part Number	L	P	A	K	C	V	S	R	CC	LKC
PGEV1A4	20.01	P0.8	A2	30	C0.5	V3.0			CC	

Alterations	Code	Spec.	1Code
	CC	C chamfering for inlay relief. D3 · 4 → C0.3 D5 · 6 → C0.5	Quotation

Alterations	Code	Spec.	1Code																								
	LKC	Changes the tolerances of the dimensions below. <table border="1" style="width: 100%; border-collapse: collapse; font-size: 6px;"> <tr> <td>1A</td> <td>(L-C-B)</td> <td>-0.05 ... 0</td> <td>-0.02</td> </tr> <tr> <td>4A</td> <td>(L-C)</td> <td>+0.05 ... 0</td> <td>+0.02</td> </tr> <tr> <td>2A</td> <td>(L-B)</td> <td>-0.05 ... 0</td> <td>-0.02</td> </tr> <tr> <td></td> <td>L</td> <td>+0.05 ... 0</td> <td>+0.02</td> </tr> <tr> <td>3A</td> <td>(L-C-B)</td> <td>-0.05 ... 0</td> <td>-0.02</td> </tr> <tr> <td>5A</td> <td></td> <td>0 ... 0</td> <td>0</td> </tr> </table> Ⓜ The tolerance of L-C remains +0.05 unchanged.	1A	(L-C-B)	-0.05 ... 0	-0.02	4A	(L-C)	+0.05 ... 0	+0.02	2A	(L-B)	-0.05 ... 0	-0.02		L	+0.05 ... 0	+0.02	3A	(L-C-B)	-0.05 ... 0	-0.02	5A		0 ... 0	0	Quotation
1A	(L-C-B)	-0.05 ... 0	-0.02																								
4A	(L-C)	+0.05 ... 0	+0.02																								
2A	(L-B)	-0.05 ... 0	-0.02																								
	L	+0.05 ... 0	+0.02																								
3A	(L-C-B)	-0.05 ... 0	-0.02																								
5A		0 ... 0	0																								

853

854

Components of Gate