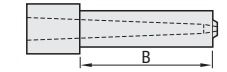


PIN-POINT GATE BUSHINGS TAPERED GATE HOLE

—STANDARD • B DIMENSION DESIGNATION TYPE—

Tapered gate hole B dimension designation type



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

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

Shape 1A

Ⓜ (L-C-B) ≥ 3.0

Ⓜ Eccentricity between D and P is 0.05 or less.
Eccentricity between D and V is 0.05 or less.

Ⓜ This bushing has a flat area of 0~0.1 on its tip (P dimension).

Shape 2A

Ⓜ (L-B) ≥ 3.0

Ⓜ Eccentricity between D and P is 0.05 or less.

Ⓜ This bushing has a flat area of 0~0.1 on its tip (P dimension).

Shape 3A

Ⓜ (L-C-B) ≥ 3.0

Ⓜ Eccentricity between D and P is 0.05 or less.

Ⓜ This bushing has a flat area of 0~0.1 on its tip (P dimension).

Shape 4A

Ⓜ (L-C-B) ≥ 3.0

Ⓜ $R \geq \sqrt{(P/2)^2 + C^2}$

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

Ⓜ Eccentricity between D and P is 0.05 or less.

Ⓜ This bushing has a flat area of 0~0.1 on its tip (P dimension).

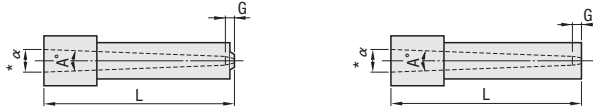
Shape 5A

Ⓜ (L-C-B) ≥ 3.0

Ⓜ Eccentricity between D and P is 0.05 or less.

Ⓜ This bushing has a flat area of 0~0.1 on its tip (P dimension).

• Calculation for the inlet diameter *α *α = 2((L-G)tan(A°/2) + Gtan(K°/2)) + P



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

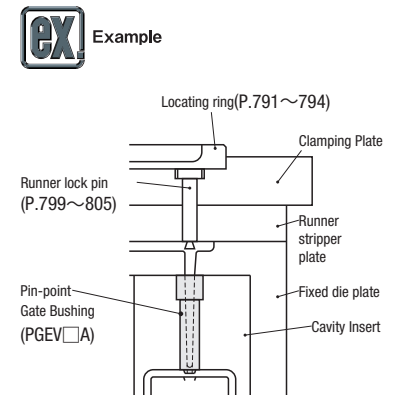
Part Number	Type	M	H
PGEV□A	Standard	Nickel alloy	(Inside) 55~60HRC depth: 0.5 (Outside) 40~45HRC

H	G	Part Number		L 0.01mm increments	P	A°	K°	B 0.01mm increments	None for 2A	Shape 1A only	Shape 3A only	Shape 4A only
		Type	Shape						D	C 0.1mm increments	V 0.1mm increments	S 1° increments
5	1.2	PGEV	1A	3	0.6 0.8	2	30	5.00~8.00	0.3~0.8	2.0~2.9	1~45	0.8~1.5
				4				5.00~7.00				
6	1.5	PGEV	2A	3	0.6 0.8 1.0 1.2	2	30	5.00~30.00	0.5~1.5	3.5~4.9	1~45	1.0~2.0
				4				5.00~20.00				
8	1.5	PGEV	3A	5	1.0	2	30	5.00~30.00	0.5~1.5	3.5~4.9	1~45	1.0~2.0
				3				5.00~30.00				
9	1.5	PGEV	4A	5	1.2 1.4	2	30	5.00~30.00	0.5~1.5	3.5~4.9	1~45	1.0~2.0
				3				5.00~30.00				
9	1.5	PGEV	5A	6	1.0	2	30	5.00~50.00	0.5~1.5	4.0~5.9	1~50	1.5~3.0
				3				5.00~40.00				
9	1.5	PGEV	5A	6	1.2 1.4	2	30	5.00~40.00	0.5~1.5	4.0~5.9	1~50	1.5~3.0
				3				5.00~30.00				

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

Order

Part Number	L	P	A	K	B	C	V	S	R
PGEV1A4	20.01	P0.8	A2	30	B15.00	C0.5	V3.0		
PGEV2A4	20.01	P0.8	A2	30	B15.00				
PGEV3A4	20.01	P0.8	A2	30	B15.00	C0.5	S30		
PGEV4A4	20.01	P0.8	A2	30	B15.00	C0.5	R1.0		
PGEV5A4	20.01	P0.8	A2	30	B15.00	C0.5			



Days to Ship **Quotation**

Price **Quotation**

Alterations

Part Number	L	P	A	K	B	C	V	S	R	CC	LKC
PGEV1A4	20.01	P0.8	A2	30	B15.00	C0.5	V3.0			CC	

Alterations	Code	Spec.	1Code
C±0.1	CC	C chamfering for inlay relief. D3 · 4 → C0.3 D5 · 6 → C0.5	Quotation

Alterations	Code	Spec.	1Code
Changes the tolerances of the dimensions below.			
1A	(L-C-B)	$-0.05 \dots -0.02$	Quotation
4A	(L-C)	$+0.05 \dots +0.02$	
2A	(L-B)	$-0.05 \dots -0.02$	
	L	$+0.05 \dots +0.02$	
3A	(L-C-B)	$-0.05 \dots -0.02$	
5A		Ⓜ The tolerance of L-C remains $+0.05$ unchanged.	