

PIN-POINT GATE BUSHINGS WITH HEAD INNER DIAMETER SR

—STANDARD • HIGH HARDNESS—

Inner diameter SR Head type



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

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 * $\alpha = 2SR + 2(L - G - SR) \tan \frac{A^\circ}{2}$

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

Part Number	Type	Material	Hardness
PGET□A	Standard	Nickel alloy	(Inside) 55~60HRC depth: 0.5 (Outside) 40~45HRC
PGKT□A	High hardness		55~62HRC (The inner and outer surface have the same hardness)

H	D2	G	B	SR	Part Number		L 0.01mm increments	P	A°	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
6	3	0.7	3	0.60	PGET (Standard type)	1A	2	10.00~20.00	1	0.2~0.4	1.3~1.9	1~45	0.4~0.8
7	4	1.0	4	0.75		2A	2.5	10.00~25.00		0.2~0.5	1.5~2.4		0.6~1.0
8	5	1.2	6	1.00	PGKT (High hardness type)	3A	3	15.00~40.00	2	0.3~0.8	2.0~2.9	1~50	0.8~1.5
9	6			1.25		4A	4	0.5 0.6 0.7 0.8 0.9 ^(*)		0.6 0.7	0.8 0.9 1.0 1.2		0.8~1.5
11	8	1.5	10	1.25	PGKT (High hardness type)	5A	5	20.00~60.00	3	1.2 1.4 1.5 ^(*)	3.5~4.9	1~60	1.0~2.0
12	9			1.50		6	1.0			4.0~5.9	1.5~3.0		
14	11	1.50	2.00	1.50	PGKT (High hardness type)	8	1.2 1.4 1.5 ^(*)	1.2 1.4 1.5 ^(*)	4.5~7.9	2.0~4.0			
		2.00		1.6									

Ⓜ For shape 4A, $R \geq \sqrt{(P/2)^2 + C^2}$ (*) When P0.9(D3), G is 1.0.
(*) When P1.5(D5 • D6 • D8) • P1.6(D6), G is 1.2.

Order

Part Number	L	P	A	C	V	S	R
PGET1A4	35.01	P0.8	A2	C0.5	V3.0		
PGET2A4	35.01	P0.8	A2				
PGET3A4	35.01	P0.8	A2	C0.5	S30		
PGET4A4	35.01	P0.8	A2	C0.5	R1.0		
PGET5A4	35.01	P0.8	A2	C0.5			

Days to Ship Quotation

Price Quotation

Example

Characteristics
Pin-point gate bushings with head are capable of positioning at depth amount of counterbore of the head in vertical direction.

Alterations

Part Number	L	P	A	C	V	S	R	(CC • LKC)
PGKT1A4	35.01	P0.8	A2	C0.5	V3.0			CC

Alterations	Code	Spec.	1Code
	CC	C chamfering for inlay relief. D2 • 2.5 → C0.2 D3 • 4 → C0.3 D5~8 → C0.5	Quotation

Alterations	Code	Spec.	1Code
	LKC	Changes the tolerances of the dimensions below.	Quotation
	1A	4	$-0.05 \dots -0.02$
	4A	(L-C)	$+0.05 \dots +0.02$
	2A	4	$-0.05 \dots -0.02$
		L	$+0.05 \dots +0.02$
	3A	4	$-0.05 \dots -0.02$
	5A		$+0.05$ unchanged.
			Ⓜ When 1A~5A, the tolerances of L-C, B and L-B remain -0.1 unchanged.