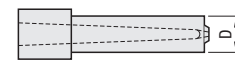


PIN-POINT GATE BUSHINGS INNER DIAMETER SR

— STANDARD • HIGH HARDNESS D DIMENSION DESIGNATION TYPE —

Inner diameter SR D dimension designation type



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

Shape 1A

Enlarged view of the tip

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

Ⓜ (L-C-B) ≥ 3.0

Shape 2A

Enlarged view of the tip

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

Ⓜ (L-B) ≥ 3.0

Shape 3A

Enlarged view of the tip

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

Ⓜ (L-C-B) ≥ 3.0

Shape 4A

Enlarged view of the tip

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

Ⓜ (L-C-B) ≥ 3.0 Ⓜ $R \geq \sqrt{(P/2)^2 + C^2}$ Ⓜ $V = 2 \times \sqrt{R^2 - (\sqrt{R^2 - (P/2)^2} - C)^2}$

Shape 5A

Enlarged view of the tip

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

Ⓜ (L-C-B) ≥ 3.0

• Calculation for the inlet diameter *α α = 2SR + 2(L-G-SR)tan(A*/2)

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

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

H	G	SR	Part Number			L 0.01mm increments	D 0.01mm increments	P	A'	B 0.01mm increments	None for 2A C 0.1mm increments	Shape 1A only V 0.1mm increments	Shape 3A only S 1° increments	Shape 4A only R 0.1mm increments			
			Type	Shape	No.												
4	1.0	0.75	PGED (Standard type)	1A	2.5	8.00~25.00	2.51~ 3.00	0.3 0.4 0.5	1 2 3	4.00~ 6.00	0.2~0.5	1.5~2.4		0.6~1.0			
5	1.00	1.00			3	10.00~40.00	3.01~ 4.00	0.5 0.6 0.7 0.8 0.9 ^(*)	1 2 3	5.00~ 9.00 5.00~ 8.00 5.00~ 7.00		2.0~2.9					
6	1.2	1.00			4		4.01~ 5.00	0.6 0.7	1 2 3	5.00~30.00 5.00~20.00	0.3~0.8	2.5~3.9	1~45	0.8~1.5			
							8	1.25	1.50	5	5.01~ 7.00	0.8 0.9 1.0	1 2 3	5.00~35.00 5.00~30.00		3.5~4.9	1.0~2.0
												9	1.5	1.50	6	15.00~60.00	6.01~ 8.00
11	1.50	2.00			8		8.01~10.00	1.0	1 2 3	5.00~50.00 5.00~40.00							4.5~7.9
								1.2 1.4 1.5 ^(*)	1 2 3	5.00~30.00							

Ⓜ For shape 4A, $R \geq \sqrt{(P/2)^2 + C^2}$ Ⓜ^(*) When P0.9(No.3), G is 1.0. Ⓜ^(*) When P1.5 (No.5 • No.6 • No.8) • When P1.6(No.6), G is 1.2.

Order

Part Number	L	D	P	A	B	C	V	S	R
PGED1A3	20.01	D3.50	P0.8	A2	B5.00	C0.5	V2.9		
PGED2A3	20.01	D3.50	P0.8	A2	B5.00				
PGED3A3	20.01	D3.50	P0.8	A2	B5.00	C0.5	S30		
PGED4A3	20.01	D3.50	P0.8	A2	B5.00	C0.5	R1.0		
PGED5A3	20.01	D3.50	P0.8	A2	B5.00	C0.5			

Days to Ship **Quotation**

Price **Quotation**

Alterations **Alterations** Part Number | L | D | P | A | B | C | V | S | R | (CC · LKC)
PGED1A3 - 20.01 - D3.50 - P0.8 - A2 - B5.00 - C0.5 - V2.9 - CC

Alterations	Code	Spec.	1Code
	CC	C chamfering for inlay relief. No.2.5 → C0.2 No.3・4 → C0.3 No.5~8 → C0.5	
	LKC	Changes the tolerances of the dimensions below.	Quotation
1A	(L-C-B)	-0.05 ... -0.02	
4A	(L-C)	+0.05 ... +0.02	
2A	(L-B)	-0.05 ... -0.02	
2A	L	+0.05 ... +0.02	
3A	(L-C-B)	-0.05 ... -0.02	
5A		Ⓜ The tolerance of L-C remains +0.05 unchanged.	

