

PIN-POINT GATE BUSHINGS Inner diameter SR

—LARGE K° TYPE— NORMAL TYPE • TIP CORNER ACUTE ANGLE TYPE

Inner diameter SR Large K° Type



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

RoHS **Shape 1A**

Ⓜ (L-C-B) ≥ 3.0

Type	P
PGHF	±0.01
PGHFZ	±0.02

RoHS **Shape 2A**

Ⓜ (L-B) ≥ 3.0

Type	P
PGHF	±0.01
PGHFZ	±0.02

RoHS **Shape 3A**

Ⓜ (L-C-B) ≥ 3.0

Type	P
PGHF	±0.01
PGHFZ	±0.02

RoHS **Shape 4A**

Ⓜ (L-C-B) ≥ 3.0

Ⓜ $R \geq \sqrt{(P/2)^2 + C^2}$

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

Type	P
PGHF	±0.01
PGHFZ	±0.02

RoHS **Shape 5A**

Ⓜ (L-C-B) ≥ 3.0

Type	P
PGHF	±0.01
PGHFZ	±0.02

• 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	Ⓜ	Ⓜ
PGHF□A PGHFZ□A	SKH51	59~61HRC

H	SR	Part Number		L 0.01mm increments	P	G	A°	K°	B 0.01mm increments	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
9	1.25	PGHF	1A	6	0.5	0.8	1	20			4.0~5.9	1~50	1.5~3.0
	1.25				1.0								
	1.50				1.2								
	1.25				0.8								
	1.50				1.0								
11	1.25	PGHFZ (Acute angle type)	2A	8	0.6	1.0	2	30	5.00~20.00	0.5~1.5	4.5~7.9	1~60	2.0~4.0
	1.25				0.8								
	1.50				1.0								
	1.50				1.2								
	1.75				0.8								
	2.00				1.0								
	2.00				1.2								
	2.25				1.5								
	2.25				0.8								
	2.50				1.0								
13	2.00	PGHFZ (Acute angle type)	3A	10	1.0	1.0	3	60			5.0~9.9		2.5~5.0
	2.25				1.2								
	2.25				1.0								
	2.50				1.2								
	2.50				0.8								
	2.75				1.0								
	2.75				1.2								
	2.50				0.8								
	3.00				1.0								
	3.00				1.2								

Ⓜ For 4A shape, $R \geq \sqrt{(P/2)^2 + C^2}$ (*) Shape () is only for PGHF.

Order

Part Number	L	P	G	A	K	B	C	V	S	R
PGHF1A8	20.01	P0.8	G1.0	A2	K50	B15.00	C0.5	V6.0		
PGHFZ2A8	20.01	P0.8	G1.0	A2	K50	B15.00				
PGHFZ3A8	20.01	P0.8	G1.0	A2	K50	B15.00	C0.5	S30		
PGHF4A8	20.01	P0.8	G1.0	A2	K50	B15.00	C0.5	R3.0		
PGHF5A8	20.01	P0.8	G1.0	A2	K50	B15.00	C0.5			

Days to Ship **Quotation**

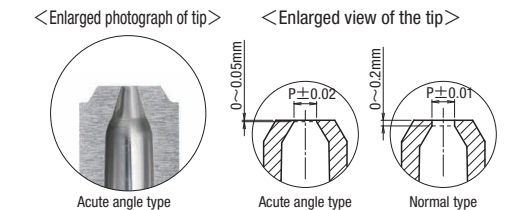
Price **Quotation**

Alterations

Part Number	L	P	G	A	K	B	C	V	S	R	(CC · CVC)
PGHF1A8	20.01	P0.8	G1.0	A2	K50	B15.00	C0.5	V6.0			CC

Alterations	Code	Spec.	1Code
	PKC	Changes P dimension tolerance. P±0.02 → ±0.01 Ⓜ Only applicable for PGHFZ.	Quotation
	CC	C chamfering for inlay relief.	
	CVC	C chamfering for inlay relief. CVC=0.1mm increments $0.2 \leq CVC < \frac{(H-D)}{2} - 0.1$	

Characteristics



Normal type

- It has a flat area of 0~0.2mm on its tip.
- P dimension tolerance is ±0.01.

Acute angle type

- It has a flat area of 0~0.05mm on its tip.
- P dimension tolerance is ±0.02.
- With the straight part shorter than the normal type, the gate residual can be suppressed but durability may be decreased.

