



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 0~0.2 on its tip (P dimension).

**RoHS** **Shape 2A**

Enlarged view of the tip

\*This bushing has a flat area of 0~0.2 on its tip (P dimension).

**RoHS** **Shape 3A**

Enlarged view of the tip

\*This bushing has a flat area of 0~0.2 on its tip (P dimension).

**RoHS** **Shape 4A**

Enlarged view of the tip

\*This bushing has a flat area of 0~0.2 on its tip (P dimension).

**RoHS** **Shape 5A**

Enlarged view of the tip

\*This bushing has a flat area of 0~0.2 on its tip (P dimension).

• Calculation for the inlet diameter \*α

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

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

| Part Number | M     | H        |
|-------------|-------|----------|
| PGHB□A      | SKH51 | 59~61HRC |

Please use the D dimension designation type PGHD (P.839), if D dimension is designated.

| H  | G   | B  | SR   | Part Number                         |       | L<br>0.01mm<br>increments | P                               | A°   | K°                                     | None for 2A           | Shape 1A only         | Shape 3A only       | Shape 4A only         |  |
|----|-----|----|------|-------------------------------------|-------|---------------------------|---------------------------------|--|--|-----------------------|-----------------------|---------------------|-----------------------|--|
|    |     |    |      | Type                                | Shape |                           |                                 |  |  | C<br>0.1mm increments | V<br>0.1mm increments | S°<br>1° increments | R<br>0.1mm increments |  |
| 3  | 0.7 | 3  | 0.60 | PGHB<br>(High-speed steel)<br>SKH51 | 1A    | 2                         | 6.00~20.00                      | 0.3 0.4 0.5 <sup>(*)1</sup>                    | 1                                      | 20                    | 0.2~0.4               | 1.3~1.9             | 0.4~0.8               |  |
| 4  | 1.0 | 4  | 0.75 |                                     | 2.5   | 8.00~25.00                | 0.3 0.4 0.5 0.6 <sup>(*)1</sup> | 2  |  |                       |                       |                     |                       | 30   |
| 5  | 1.2 | 6  | 1.00 |                                     | 2A    | 3                         | 10.00~40.00                     |  | 0.5 0.6<br>0.7 0.8 0.9 <sup>(*)2</sup> | 3                     | 0.3~0.8               | 2.0~2.9             | 1~45                  |  |
| 6  |     |    | 1.25 |                                     |       |                           |                                 | 4  | 0.8 0.9 1.0 1.1 1.2 <sup>(*)3</sup>    |                       |                       |                     |                       |  |
| 8  | 1.5 | 10 | 1.50 |                                     | 4A    | 5                         | 15.00~60.00                     | 0.8 0.9 1.0<br>1.2 1.3 1.4 1.5 <sup>(*)3</sup> | 0.5~1.5                                | 4.0~5.9               | 1~50                  | 1.5~3.0             |                       |  |
| 9  |     |    | 1.25 |                                     |       |                           |                                 | 5A   |  |                       |                       |                     | 6                     | 1.2 1.3 1.4 1.5 <sup>(*)3</sup><br>1.6 <sup>(*)3</sup> |
| 10 |     |    | 1.50 |                                     |       |                           |                                 |  |  |                       |                       |                     |                       | 8  |
| 11 |     |    | 2.00 |                                     |       |                           |                                 | 1.5 1.6  |  |                       |                       |                     |                       |  |

(\*1) When P0.5(D2) • P0.6(D2.5), K20° can be selected. (\*2) When P0.9(D3) and K30°, G is 1.0.  
 (\*3) When P1.5 • P1.6(D5 • D6) and K30°, G is 1.2.

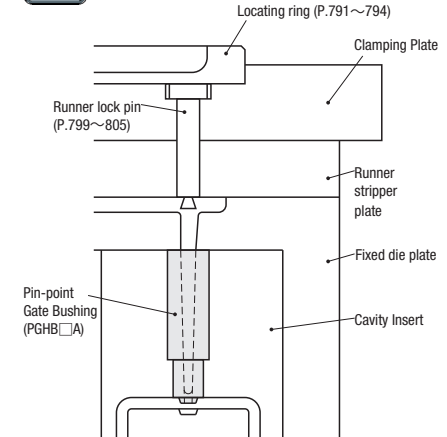
**Order**

| Part Number | L     | P    | A  | K   | C V S R   |
|-------------|-------|------|----|-----|-----------|
| PGHB1A4     | 20.01 | P0.8 | A2 | K30 | C0.5-V3.0 |
| PGHB2A4     | 20.01 | P0.8 | A2 | K30 | C0.5-S3.0 |
| PGHB3A4     | 20.01 | P0.8 | A2 | K30 | C0.5-R1.0 |
| PGHB4A4     | 20.01 | P0.8 | A2 | K30 | C0.5-R1.0 |
| PGHB5A4     | 20.01 | P0.8 | A2 | K30 | C0.5      |

**Days to Ship** **Quotation**

**Price** **Quotation**

**Example**



**Alterations**

| Part Number | L     | P    | A  | K   | C V S R   | (CC · CVC) |
|-------------|-------|------|----|-----|-----------|------------|
| PGHB1A4     | 20.01 | P0.8 | A2 | K20 | C0.5-V3.0 | CVC0.3     |

| Alterations | Code | Spec.   | 1Code     | Alterations | Code | Spec.  | 1Code     |
|-------------|------|---|-----------|-------------|------|--|-----------|
|             | CC   | C chamfering for inlay relief.<br>D2 • 2.5 → C0.2<br>D3 • 4 → C0.3<br>D5~8 → C0.5 | Quotation |             | CVC  | C chamfering for inlay relief.<br>CVC=0.1mm increments<br>$0.2 \leq CVC < \frac{(H-D)}{2} - 0.1$ | Quotation |