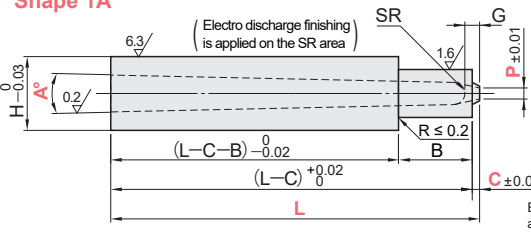
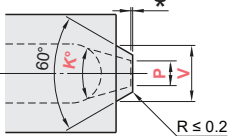

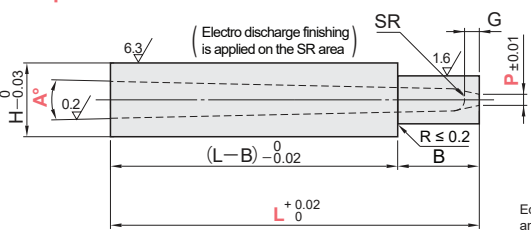
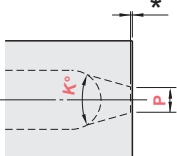

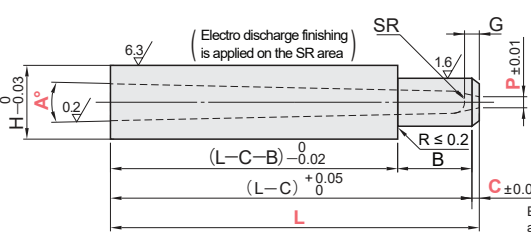
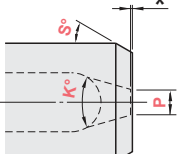

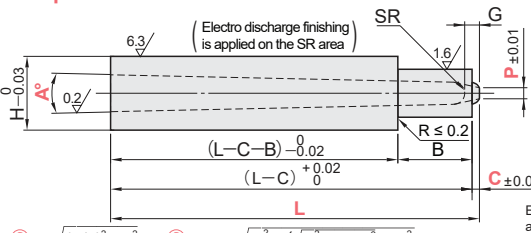
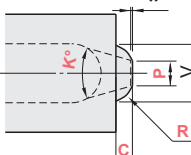

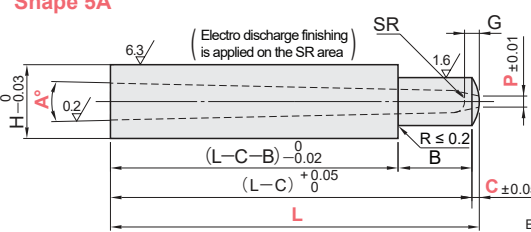
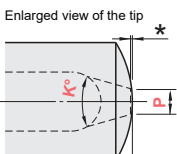
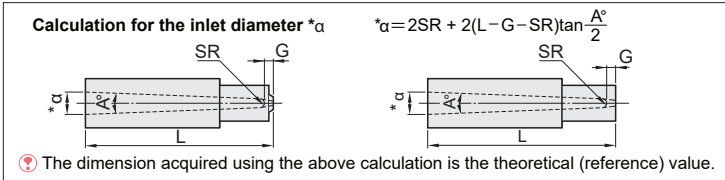
	<p><b>Shape 1A</b></p>  <p>(Electro discharge finishing is applied on the SR area)</p> <p><math>R \leq 0.2</math></p> <p><math>C \pm 0.05</math></p> <p><math>D \begin{smallmatrix} 0 \\ -0.005 \end{smallmatrix}</math></p> <p>Eccentricity between D and P is 0.05 or less Eccentricity between D and V is 0.05 or less</p>	<p>Enlarged view of the tip</p>  <p>This bushing has a flat area of 0-0.2 on itd tip (P dimension)</p>
	<p><b>Shape 2A</b></p>  <p>(Electro discharge finishing is applied on the SR area)</p> <p><math>R \leq 0.2</math></p> <p><math>C \pm 0.05</math></p> <p><math>D \begin{smallmatrix} 0 \\ -0.005 \end{smallmatrix}</math></p> <p>Eccentricity between D and P is 0.05 or less</p>	<p>Enlarged view of the tip</p>  <p>This bushing has a flat area of 0-0.2 on itd tip (P dimension)</p>
	<p><b>Shape 3A</b></p>  <p>(Electro discharge finishing is applied on the SR area)</p> <p><math>R \leq 0.2</math></p> <p><math>C \pm 0.05</math></p> <p><math>D \begin{smallmatrix} 0 \\ -0.005 \end{smallmatrix}</math></p> <p>Eccentricity between D and P is 0.05 or less</p>	<p>Enlarged view of the tip</p>  <p>*This bushing has a flat area of 0-0.2 on itd tip (P dimension)</p>
	<p><b>Shape 4A</b></p>  <p>(Electro discharge finishing is applied on the SR area)</p> <p><math>R \leq 0.2</math></p> <p><math>C \pm 0.05</math></p> <p><math>D \begin{smallmatrix} 0 \\ -0.005 \end{smallmatrix}</math></p> <p>Eccentricity between D and P is 0.05 or less</p> <p>⊙ <math>R \geq \sqrt{(P/2)^2 + C^2}</math>   ⊙ <math>V = 2 \times \sqrt{R^2 - (\sqrt{R^2 - (P/2)^2} - C)^2}</math></p>	<p>Enlarged view of the tip</p>  <p>*This bushing has a flat area of 0-0.2 on itd tip (P dimension)</p>
	<p><b>Shape 5A</b></p>  <p>(Electro discharge finishing is applied on the SR area)</p> <p><math>R \leq 0.2</math></p> <p><math>C \pm 0.05</math></p> <p><math>D \begin{smallmatrix} 0 \\ -0.005 \end{smallmatrix}</math></p> <p>Eccentricity between D and P is 0.05 or less</p>	<p>Enlarged view of the tip</p>  <p>*This bushing has a flat area of 0-0.2 on itd tip (P dimension)</p>



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

H	G	B	SR	Part Number			L 0.01mm increments	P					A°	K°	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	R 0.1mm increments	
3	0.7	3	0.60	PGHB (High speed steel SKH51)	1A	2	6.0~20.00	0.3	0.4	0.5 <sup>(*)</sup>			1	20	0.2 ~ 0.4	1.3 ~ 1.9	1 ~ 45	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>(*)</sup>				0.2 ~ 0.5	1.5 ~ 2.4		0.6 ~ 1.0	
5	1.2	6	1.00		2A	3	10.00~40.00	0.5	0.6	0.7	0.8	0.9 <sup>(**)</sup>		2	30	0.3 ~ 0.8	2.0 ~ 2.9	1 ~ 45	0.8 ~ 1.5
6			1.00			4		0.6	0.7	0.8	0.9	1.0	1.1				1.2		
8	1.5	10	1.25		3A	5	15.00~60.00	0.8	0.9	1.0		2	30	0.5 ~ 1.5	3.5 ~ 4.9	1 ~ 50	1.0 ~ 2.0		
			1.50					1.2	1.3	1.4	1.5 <sup>(**)</sup>				4.0 ~ 5.9				
9	1.5	10	1.25		4A	6	15.00~60.00	1.2	1.3	1.4	1.5 <sup>(**)</sup>		3	30	0.5 ~ 1.5	4.0 ~ 5.9	1 ~ 50	1.5 ~ 3.0	
11			1.50					1.2	1.3	1.4	1.5 <sup>(**)</sup>								1.6 <sup>(**)</sup>
	11	2.00	2.00		5A	8	15.00~60.00	1.2	1.3	1.4	1.5 <sup>(**)</sup>		3	30	0.5 ~ 1.5	4.5 ~ 7.9	1 ~ 50	2.0 ~ 4.0	

(\*1) When P0.5(D2) · P0.6(D2.5), only K20° can be selected

(\*3) When P1.5 · P1.6(D5 · D6) and K30°, G is 1.2

(\*2) When P0.9(D3) and K30°, G is 1.0

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



Order Example

TYPE	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	-
PGHB3A4	- 20.01	- P0.8	- A2	- K30	- C0.5 - S3.0
PGHB4A4	- 20.01	- P0.8	- A2	- K30	- C0.5 - R1.0
PGHB5A4	- 20.01	- P0.8	- A2	- K30	- C0.5