

This product enables to alter the tip surface of the gate to fit the shape of molding products. Straight prepared (P) instead of the cutting angle (K).

**RoHS** **PGHTBL**

Enlarged view of the tip

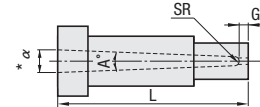
Electro discharge finishing is applied on the SR area.

\* P dimension is lower hole of straight.

SKH51  
59~61HRC

H	D <sub>2</sub>	Part Number		L 0.01mm increments	Prepared hole P	SR	A°	G	B 0.01mm increments					
		Type	D											
8	5	PGHTBL (High Speed Steel) SKH51	3	20.00~40.00	1.00	1	1.2	5.00~ 9.00						
							2.0	5.50~ 9.50						
							3.0	6.50~10.50						
							2	1.2	5.00~ 8.00					
								2.0	5.50~ 8.50					
								3.0	6.50~ 9.50					
							3	1.2	5.00~ 7.00					
								2.0	5.50~ 7.50					
								3.0	6.50~ 8.50					
9	6	PGHTBL (High Speed Steel) SKH51	4	20.00~40.00	1.00	1	1.2	5.00~30.00						
						2	2.0	5.50~30.50						
						3	3.0	6.50~31.50						
						1.25	1.2	5.00~20.00						
							2.0	5.50~20.50						
							3.0	6.50~21.50						
						11	8	PGHTBL (High Speed Steel) SKH51	5	20.00~60.00	1.25	1	1.5	5.00~30.00
												2	3.0	6.50~31.50
												3	4.0	7.50~32.50
1.50	1.5	5.00~30.00												
	3.0	6.50~31.50												
	4.0	7.50~32.50												
3	1.5	5.00~20.00												
	3.0	6.50~21.50												
	4.0	7.50~22.50												
1	1.5	5.00~30.00												
	3.0	6.50~31.50												
	4.0	7.50~32.50												
12	9	PGHTBL (High Speed Steel) SKH51	6	20.00~60.00	1.25	1	1.5	5.00~30.00						
						2	3.0	6.50~31.50						
						3	4.0	7.50~32.50						
1	1.5	5.00~30.00												
	3.0	6.50~31.50												
	4.0	7.50~32.50												
14	11	PGHTBL (High Speed Steel) SKH51	8	20.00~60.00	1.50	1	1.5	5.00~30.00						
						2	3.0	6.50~31.50						
						3	4.0	7.50~32.50						

• 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.

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

**Order** Part Number — L — P — SR — A — G — B  
PGHTBL4 — 35.01 — P0.8 — SR1.00 — A2 — G2.0 — B15.00

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

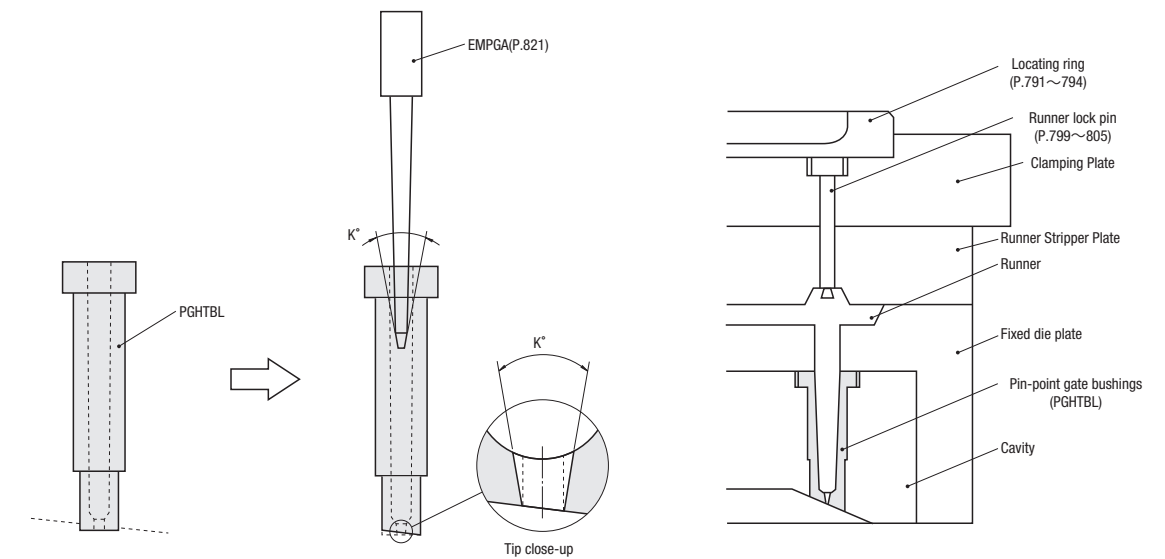
**Price** **Quotation**

**Alterations** Part Number — L — P — SR — A — G — B — (CC · CVC · KC · WKC)  
PGHTBL4 — 35.01 — P0.8 — SR1.00 — A2 — G2.0 — B15.00 — CC

Alterations	Code	Spec.	1Code
	CC	C chamfering for inlay relief. D3 · 4 → C0.3 D5~8 → C0.5	Quotation
	CVC	C chamfering for inlay relief. CVC=0.1mm increments $0.2 \leq CVC < \frac{(D_2 - D)}{2} - 0.1$	Quotation

Alterations	Code	Spec.	1Code
	KC	Adds a single key flat on the head	Quotation
	WKC	Adds two parallel key flats on the head.	Quotation

**Example** ■ Characteristics  
Suitable blank material of gate bushing for arranging pin-point gate bushings to molding product's spherical surface, slope surface and etc. G dimension (the distance between gate tip face and SR) can be selected longer than normal type. Additionally, due to the straight prepared hole in the G dimension, the high degree of processing freedom is possible. Customers who carved gate shape in cavity directly in the past will find the advantage that it can be maintained simply by exchanging bushings only.



Please process the shape fit to the molding products, for the G dimension (the distance between gate tip face and SR) is available for selection.

After the end processing, please process cutting angle of the gate tip by the electrode (EMPGA P.821).

K\* of EMPGA in the figure becomes G\* when ordering.

It's applicable to arrange a pin-point gate on the slope part of molding product