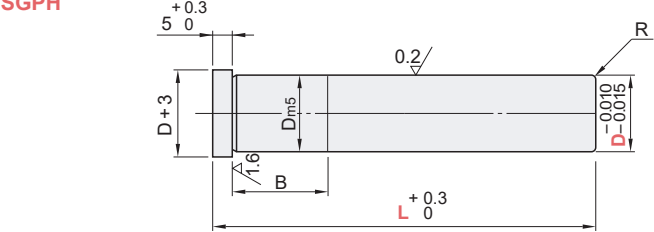



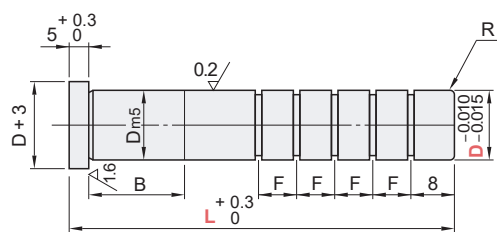
SGPH



M	H
SUJ2	58HRC~



SGOH (With oil grooves)



D	Number of grooves						
	L 40 ~	50 ~	70 ~	80 ~	90 ~	160 ~	180 ~
8	2	3	4	5	6	—	—
10	2	3	4	5	6	—	—
13	2	3	4	5	6	7	8
16	2	3	4	5	6	7	8
20	2	3	4	5	6	7	8
25	2	3	4	5	6	7	8

(※) L40 ~ 119.5 → F = 8
L120 ~ L(C) max. → F = 10

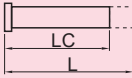

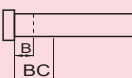
M	H
SUJ2	58HRC~


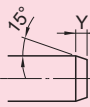


Dm5	R	B	TYPE	D	L	
8	+ 0.012 + 0.006	1.0	SGPH	8	40 50 60	
					70 80	
10					10	40 50 60 70 80
						90 100
13	+ 0.015 + 0.007	1.5			13	40 50 60 70
						80 90 100
16					16	50 60 70 80
						90 100 110 120
20	+ 0.017 + 0.008	2.0			20	60 70 80 90 100
						110 120
25				25	70 80 90 100	
					110 120	
					130 140	



Order Example

TYPE	D	L
SGPH	- D16	- L100

Alteration	Code	Spec.																
	LC	Full length change 0.5mm increments SGPH: $20 \leq LC < L$ SGOH: $40 \leq LC < L$ B dimension remains as specified. ⚠ To reduce the full length below the minimum specification length, combine with BC as necessary.																
	LC	Full length change (Long type LC) <table border="1"> <thead> <tr> <th>D</th> <th>LC</th> </tr> </thead> <tbody> <tr> <td colspan="2" style="text-align: center;">0.5mm increments</td> </tr> <tr> <td>8</td> <td>$80 < LC \leq 120$</td> </tr> <tr> <td>10</td> <td>$100 < LC \leq 150$</td> </tr> <tr> <td>13</td> <td>$120 < LC \leq 180$</td> </tr> <tr> <td>16</td> <td>$140 < LC \leq 200$</td> </tr> <tr> <td>20</td> <td>$140 < LC \leq 200$</td> </tr> <tr> <td>25</td> <td>$140 < LC \leq 200$</td> </tr> </tbody> </table>	D	LC	0.5mm increments		8	$80 < LC \leq 120$	10	$100 < LC \leq 150$	13	$120 < LC \leq 180$	16	$140 < LC \leq 200$	20	$140 < LC \leq 200$	25	$140 < LC \leq 200$
D	LC																	
0.5mm increments																		
8	$80 < LC \leq 120$																	
10	$100 < LC \leq 150$																	
13	$120 < LC \leq 180$																	
16	$140 < LC \leq 200$																	
20	$140 < LC \leq 200$																	
25	$140 < LC \leq 200$																	
	BC	B dimension change 1mm increments $0 \leq BC \leq D \times 2$ ⚠ Full length L remains as specified.																

Alteration	Code	Spec.												
	TC	Head thickness change 0.1mm increments $2 \leq TC < 5$ ⚠ Full length L is shortened by $(5 - TC)$. If combined with LC, full length is equal to LC.												
	GC	Taper machining of the pin tip <table border="1"> <thead> <tr> <th>D</th> <th>Y</th> </tr> </thead> <tbody> <tr> <td>8</td> <td rowspan="3">3</td> </tr> <tr> <td>10</td> </tr> <tr> <td>13</td> </tr> <tr> <td>16</td> <td rowspan="3">5</td> </tr> <tr> <td>20</td> </tr> <tr> <td>25</td> </tr> </tbody> </table>	D	Y	8	3	10	13	16	5	20	25		
D	Y													
8	3													
10														
13														
16	5													
20														
25														
	TKC	Head thickness tolerance change $T \begin{matrix} +0.3 \\ 0 \end{matrix} \rightarrow \begin{matrix} +0.02 \\ 0 \end{matrix}$												
	RC	Tip R change <table border="1"> <thead> <tr> <th>D</th> <th>Standard R</th> <th>RC (Selection)</th> </tr> </thead> <tbody> <tr> <td>8 • 10</td> <td>1.0</td> <td>1.5 • 2.0</td> </tr> <tr> <td>13 • 16</td> <td>1.5</td> <td>2.0 • 2.5</td> </tr> <tr> <td>20 • 25</td> <td>2.0</td> <td>2.5 • 3.0</td> </tr> </tbody> </table>	D	Standard R	RC (Selection)	8 • 10	1.0	1.5 • 2.0	13 • 16	1.5	2.0 • 2.5	20 • 25	2.0	2.5 • 3.0
D	Standard R	RC (Selection)												
8 • 10	1.0	1.5 • 2.0												
13 • 16	1.5	2.0 • 2.5												
20 • 25	2.0	2.5 • 3.0												