

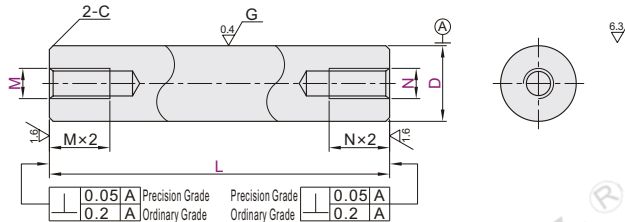
# Shafts

## Standard

Both Ends Tapped(Ordinary Grade/Precision Grade)

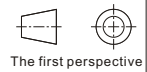


Code	Type	Accuracy Grade	D Tol.	Material		Hardness	Surface Treatment
				GB	Equiv.		
SCJ02	Ordinary Grade	g6		GCr15	SUJ2	Induction Hardened Effective Hardened Depth refer to P10	Hard Chrome Plating, Plating Hardness HV750-, Plating Thickness More Than 3um
SCJ06				9Cr18Mo Or Corrosion-Resistant Steel With Equivalent Hardness	SUS440C Or Corrosion-Resistant Steel With Equivalent Hardness		—
SCJ07				45	S45C		Hard Chrome Plating, Plating Hardness HV750-, Plating Thickness More Than 3um
SCJ22	Standard	g6		GCr15	SUJ2	9Cr18Mo Or Corrosion-Resistant Steel With Equivalent Hardness	—
SCJ52				45	S45C		
SCJ56	Precision Grade			9Cr18Mo Or Corrosion-Resistant Steel With Equivalent Hardness	SUS440C Or Corrosion-Resistant Steel With Equivalent Hardness	HRC56~ HRC56~	Hard Chrome Plating, Plating Hardness HV750-, Plating Thickness More Than 3um
SCJ57				45	S45C		



□ Circularity, Straightness, Perpendicularity and Changes in Hardness. Please refer to shaft product introduction.

□ Annealing may lower hardness at shaft end machined areas (effective thread length + approx. 10mm), Please refer to shaft product introduction.



### □ Ordinary Grade

Part Number Code	D <sub>g6</sub>	L 1mm Inc.	M·N Selection	C
8	-0.005 -0.014	15~800	3 4 5	
10			3 4 5 6	
12		15~1000	4 5 6 8	0.5 Below
13			4 5 6 8	
15	-0.006 -0.017	20~1000	4 5 6 8 10	
16		20~1200	4 5 6 8 10	
18			4 5 6 8 10 12	
20		25~1200	4 5 6 8 10 12	
25	-0.007 -0.020		4 5 6 8 10 12 16	
30			4 5 6 8 10 12 16 20	
35			4 5 6 8 10 12 16 20 24	1.0 Below
40	-0.009 -0.025	30~1500	4 5 6 8 10 12 16 20 24 30	
50			4 5 6 8 10 12 16 20 24 30	

### □ Precision Grade

Part Number Code	D <sub>g6</sub>	L 1mm Inc.	M·N Selection	C
8	-0.005 -0.014		3 4 5	
10			3 4 5 6	
12			4 5 6 8	0.2 Below
13			4 5 6 8	
15	-0.006 -0.017	20~350	4 5 6 8 10	
16			4 5 6 8 10	
18			4 5 6 8 10 12	
20			4 5 6 8 10 12	
25	-0.007 -0.020	25~450	4 5 6 8 10 12 16	
30			4 5 6 8 10 12 16 20	

### □ Optional Processing

Part Number Code	D	L	M·N	Optional Processing Code
SCJ02	6	15~600	3	SD() MC()
SCJ06	8	15~800	3 4 5	MC() NC()

SCJ02-D6-L80-M3-N3 SCJ02-D6-L80-M3-N3-LC

Discount price  
Per 1-4 5-  
Price 100% Additional  
Quotation

Delivery  
4



Code	Spec.	Code	Spec.																																														
	<b>Wrench Flats at Two Locations</b> Ordering Code SD12-S8 □ 1mm Increment □ Application Notes: D≥5 <table border="1"> <thead> <tr> <th>D</th> <th>W</th> <th>V</th> </tr> </thead> <tbody> <tr><td>6</td><td>5</td><td></td></tr> <tr><td>8</td><td>7</td><td>9</td></tr> <tr><td>10</td><td>8</td><td></td></tr> <tr><td>12</td><td>10</td><td></td></tr> <tr><td>13</td><td>11</td><td></td></tr> <tr><td>15</td><td>13</td><td></td></tr> <tr><td>16</td><td>14</td><td>11</td></tr> <tr><td>18</td><td>16</td><td></td></tr> <tr><td>20</td><td>17</td><td></td></tr> <tr><td>25</td><td>22</td><td></td></tr> <tr><td>30</td><td>27</td><td></td></tr> <tr><td>35</td><td>30</td><td>16</td></tr> <tr><td>40</td><td>36</td><td></td></tr> <tr><td>50</td><td>41</td><td>21</td></tr> </tbody> </table> □ Orientation between wrench flats is not coplanar.	D	W	V	6	5		8	7	9	10	8		12	10		13	11		15	13		16	14	11	18	16		20	17		25	22		30	27		35	30	16	40	36		50	41	21	LC	<b>Alteration to L Dimension Tolerance</b> Ordering Code LC □ 0.1mm Increment □ When L < 300, L±0.03; When 300 ≤ L < 600, L±0.05; When L ≥ 600, L±0.1. □ L > 300's Precision Grade is not applicable.	
D	W	V																																															
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	M Side 	MC() NC()	<b>Change to Fine Tapped Thread</b> Ordering Code MC12 <table border="1"> <thead> <tr> <th>D</th> <th colspan="4">MC-NC</th> </tr> </thead> <tbody> <tr><td>12-13</td><td>8</td><td>10</td><td></td><td></td></tr> <tr><td>15-16</td><td>8</td><td>10</td><td></td><td></td></tr> <tr><td>18</td><td>8</td><td>10</td><td>12</td><td></td></tr> <tr><td>20</td><td>8</td><td>10</td><td>12</td><td>16</td></tr> <tr><td>25-35</td><td>8</td><td>10</td><td>12</td><td>16</td><td>20</td></tr> <tr><td>40</td><td>10</td><td>12</td><td>16</td><td>20</td></tr> <tr><td>50</td><td>10</td><td>12</td><td>16</td><td>20</td></tr> <tr><td>Pitch</td><td>1.0</td><td>1.25</td><td>1.5</td><td></td></tr> </tbody> </table> □ In selection, M(N) must be changed to MC(NC). □ In selection, M(N) and MC(NC) must be the same size.	D	MC-NC				12-13	8	10			15-16	8	10			18	8	10	12		20	8	10	12	16	25-35	8	10	12	16	20	40	10	12	16	20	50	10	12	16	20	Pitch	1.0	1.25	1.5	
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□ When selecting two or more optional processing, the distance between the processing areas should be greater than 2 mm.

□ Optional Processing may reduce hardness.