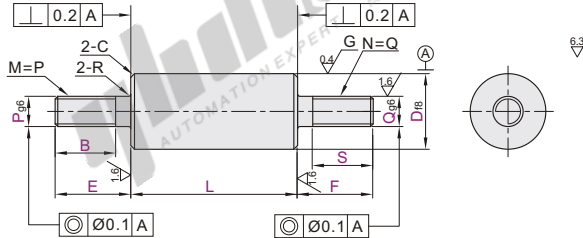


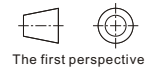
Code	Type	Accuracy Grade	D Tol.	Material		Hardness	Surface Treatment
				GB	Equiv.		
SEP11	Standard	Ordinary Grade	f8	45	S45C	—	Hard Chrome Plating, Plating Hardness HV750+, Plating Thickness More Than 3µm
SEP14				0Cr18Ni9	SUS304		



Note: when B-S=0, there is no external thread.



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



The first perspective

Code	Part Number	D _{f8}	1 mm Increment			P:Q Selection	R	C
			L	E:F	B:S			
(D Tol. f8) SEP11 SEP14	6	-0.010 -0.028	20~600			3 4 5		0.5Below
	8	-0.013 -0.035	20~800			3 4 5 6		
	10					4 5 6 8		
	12					5 6 8 10 12		
	13		20~1000			5 6 8 10 12		
	15	-0.016 -0.043				5 6 8 10 12	0.3	1.0Below
	16			E=2~P×5		5 6 8 10 12 16		
	18*		20~1200	F=2~Q×5		6 8 10 12 16		
	20					8 10 12 16		
	25	-0.020 -0.053				8 10 12 16 20 24		
	30					8 10 12 16 20 24		0.5
	35*		20~1500			10 12 16 20 24 30		
	40*	-0.025 -0.064				12 16 20 24 30		
	50*					16 20 24 30		

Specifications with * do not apply to SEP14.

Optional Processing



Please order as shown

Part Number	L	E:F	B:S	P:Q	Part Number	L	E:F	B:S	P:Q	Optional Processing Code
SEP11	20~800	E=2~P×5 F=2~Q×5	3 4 5 6	4 5 6	SEP11	20~800	E=2~P×5 F=2~Q×5	3 4 5 6	4 5 6	PC() PS()...
SEP11-D6-L200-E10-F10-B6-S6-P3-Q3										

Discount price	Per	1~4	5~
Price	100%		Additional quotation

Delivery	4
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Optional Processing

Code	Spec.																																																
LC	<p>Alteration to L Dimension Tolerance</p> <p>Ordering Code LC</p> <p>0.1 mm Increment</p> <p>When L < 200, L_{±0.03};</p> <p>When 200 ≤ L < 500, L_{±0.05};</p> <p>When L ≥ 500, L_{±0.1}.</p>																																																
SD()	<p>Wrench Flats at Two Locations</p> <p>Ordering Code SD12-X8</p> <p>1 mm Increment</p> <p>SD+X+V₁×2 < L</p> <p>SD=0 or SD≥1</p> <p>X=0 or X≥1</p> <table border="1"> <thead> <tr> <th>D</th> <th>W</th> <th>V</th> <th>D</th> <th>W</th> <th>V</th> </tr> </thead> <tbody> <tr><td>6</td><td>5</td><td>18</td><td>16</td><td></td><td></td></tr> <tr><td>8</td><td>7</td><td>9</td><td>20</td><td>17</td><td>11</td></tr> <tr><td>10</td><td>8</td><td>25</td><td>22</td><td></td><td></td></tr> <tr><td>12</td><td>10</td><td>30</td><td>27</td><td></td><td></td></tr> <tr><td>13</td><td>11</td><td>35</td><td>30</td><td>16</td><td></td></tr> <tr><td>15</td><td>13</td><td>40</td><td>36</td><td></td><td></td></tr> <tr><td>16</td><td>14</td><td>50</td><td>41</td><td>21</td><td></td></tr> </tbody> </table> <p>Orientation between wrench flats is not coplanar.</p>	D	W	V	D	W	V	6	5	18	16			8	7	9	20	17	11	10	8	25	22			12	10	30	27			13	11	35	30	16		15	13	40	36			16	14	50	41	21	
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15	13	40	36																																														
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Code	Spec.																																													
PC() PS() QC() QS()	<p>Change to Fine Thread</p> <p>Ordering Code PC17</p> <p>PCQC: the Fine Thread Pitch corresponds to the Bearing Nut).</p> <p>PSQS: the Fine Thread Pitch corresponds to the Cylinder).</p> <table border="1"> <thead> <tr> <th>D</th> <th>PC-QC</th> <th>PS-QS</th> </tr> </thead> <tbody> <tr><td>6</td><td>3 4 5 6</td><td></td></tr> <tr><td>8</td><td>3 4 5 6 8</td><td></td></tr> <tr><td>10</td><td>4 5 6 8 10</td><td>10</td></tr> <tr><td>12</td><td>5 6 8 10 12</td><td>10 12</td></tr> <tr><td>13</td><td>5 6 8 10 12</td><td>10</td></tr> <tr><td>15</td><td>5 6 8 10 12</td><td>10 12</td></tr> <tr><td>16</td><td>5 6 8 10 12 15</td><td>10 12 14</td></tr> <tr><td>18</td><td>5 6 8 10 12 15</td><td>10 12 14 18</td></tr> <tr><td>20</td><td>5 6 8 10 12 15 17</td><td>10 12 14 18</td></tr> <tr><td>25</td><td>8 10 12 15 17 20</td><td>10 12 14 18</td></tr> <tr><td>30</td><td>10 15 17 20 25</td><td>10 12 14 18</td></tr> <tr><td>35</td><td>15 17 20 25 30</td><td>12 14 18</td></tr> <tr><td>40</td><td>15 17 20 25 30</td><td>12 14 18</td></tr> <tr><td>50</td><td>15 17 20 25 30</td><td>14 18</td></tr> </tbody> </table> <p>Pitch: 0.5 1.0 1.5 1.8 1.5</p>	D	PC-QC	PS-QS	6	3 4 5 6		8	3 4 5 6 8		10	4 5 6 8 10	10	12	5 6 8 10 12	10 12	13	5 6 8 10 12	10	15	5 6 8 10 12	10 12	16	5 6 8 10 12 15	10 12 14	18	5 6 8 10 12 15	10 12 14 18	20	5 6 8 10 12 15 17	10 12 14 18	25	8 10 12 15 17 20	10 12 14 18	30	10 15 17 20 25	10 12 14 18	35	15 17 20 25 30	12 14 18	40	15 17 20 25 30	12 14 18	50	15 17 20 25 30	14 18
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When selecting multiple optional processing, the distance between machined areas should be greater than 2mm.

Optional processing may reduce hardness.