

# Rotary Shafts

## D-Cut

**D-Cut**

**RoHS 10**

Type	M Material	S Surface Treatment
SFRV	S45C	Black Oxide
PSFRV	Equivalent	Electroless Nickel Plating
SSFRV	SUS304	-

\* Use this shaft type for conveyor rollers where roller rotation is undesired.  
 \* Circularity and Straightness **P820**

Type	Part Number		0.1mm Increment		1mm Increment
	Dg6	L	F, T	W	
SFRV PSFRV SSFRV	6	-0.004 -0.012	20.0~300.0	2.0~30.0	4~5
	8	-0.005	20.0~400.0		5~7
	10	-0.014	20.0~500.0		7~9
		-0.006-0.017	30.0~600.0	2.0~54.0	9~11
			30.0~600.0		10~12
			30.0~700.0		12~14
			30.0~700.0		13~15
			40.0~800.0		14~16
			40.0~800.0		15~17
		-0.007-0.020	40.0~800.0	2.0~90.0	15~18
			50.0~800.0		17~20
			50.0~800.0		20~23
	60.0~800.0		25~28		

\* When L>600, machined D-Cut ends are not exactly aligned. (Misalignment up to 1° may result.)  
 \* In the case of L-(F+T)≤20, warping may occur.

**Ordering Example** Part Number - L - F - T - W  
 SFRV15 - 300 - F30 - T7 - W13

D	SFRV								PSFRV								SSFRV								
	Min. L	L50.1	L100.1	L150.1	L200.1	L300.1	L400.1	L600.1	Min. L	L50.1	L100.1	L150.1	L200.1	L300.1	L400.1	L600.1	Min. L	L50.1	L100.1	L150.1	L200.1	L300.1	L400.1	L600.1	
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**Alterations** Part Number - L - F - T - W - (FC, LKC...etc.)  
 SFRV15 - 300 - F15 - T8 - W12 - LKC

Alterations	Set Screw Flat	Wrench Flats	L Dimension Tolerance	Retaining Ring Groove																																										
	-1 Set Screw Flat: FC FC G -2 Set Screw Flats: WFC WFC J, V, W, H	SC $\ell_2$ W	LKC	TA, TB																																										
<b>Code</b>	FC, WFC	SC	LKC	TA, TB																																										
<b>Spec.</b>	FC: Adds 1 set screw flat. Ordering Code   FC10-G3 WFC: Adds 2 set screw flats. Ordering Code   WFC10-J3-W10-V3 *FC, G, WFC, J, W, V = 1mm Increment *G, J, V≤50 *Processed ends will not be aligned with each other.	Adds a wrench flat. SC = 1mm Increment *SC+ $\ell_2$ <L SC=0 or SC≥1 *Processed ends will not be aligned with each other. <table border="1" style="margin-top: 5px;"> <tr><th>D</th><th>W</th><th><math>\ell_2</math></th><th>D</th><th>W</th><th><math>\ell_2</math></th></tr> <tr><td>6</td><td>5</td><td>20,22</td><td>17</td><td>17</td><td>10</td></tr> <tr><td>8</td><td>7</td><td>8</td><td>25</td><td>22</td><td>10</td></tr> <tr><td>10</td><td>8</td><td>30</td><td>27</td><td>15</td><td></td></tr> <tr><td>12,13</td><td>10</td><td></td><td></td><td></td><td></td></tr> <tr><td>15,16</td><td>13</td><td>10</td><td></td><td></td><td></td></tr> <tr><td>17,18</td><td>14</td><td></td><td></td><td></td><td></td></tr> </table>	D	W	$\ell_2$	D	W	$\ell_2$	6	5	20,22	17	17	10	8	7	8	25	22	10	10	8	30	27	15		12,13	10					15,16	13	10				17,18	14					Changes L dimension tolerance. Ordering Code   LKC *L<500→L±0.05 *L≥500→L±0.1	[Ordering Code] TA10-TB10 * For dimensions of the retaining ring groove, <b>P820</b> * F+4≤TA(TB)≤(L+F×2)/2
D	W	$\ell_2$	D	W	$\ell_2$																																									
6	5	20,22	17	17	10																																									
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**EX** Example

