


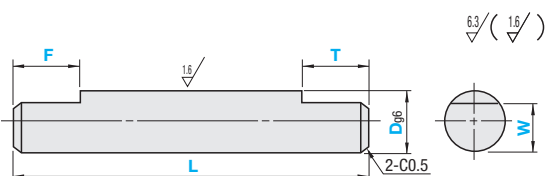
Rotary Shafts

D-Cut



RoHS 10

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



6.3 / (16 /)

2-C0.5

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

Type	Part Number	Dg6	0.1mm Increment		1mm Increment
			L	F, T	
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
	12	-0.006-0.017	30.0~600.0	2.0~54.0	9~11
	13		30.0~600.0		10~12
	15		30.0~700.0		12~14
	16		30.0~700.0		13~15
	17		40.0~800.0		14~16
	18		40.0~800.0		15~17
	20	-0.007-0.020	40.0~800.0	2.0~90.0	15~18
	22		50.0~800.0		17~20
	25		50.0~800.0		20~23
	30		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

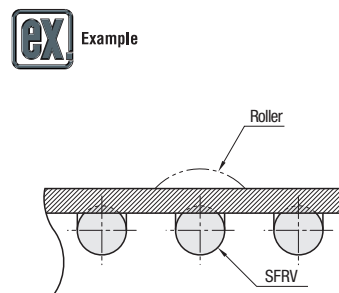
SFRV15 - 300 - F30 - T7 - W13

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	
6																									
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Alterations Example: 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
Code	FC, WFC	SC	LKC	TA, TB
Spec.	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+2≤L SC=0 or SC≥1 Processed ends will not be aligned with each other.	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, P820 F+4≤TA(TB)≤(L+F×2)/2



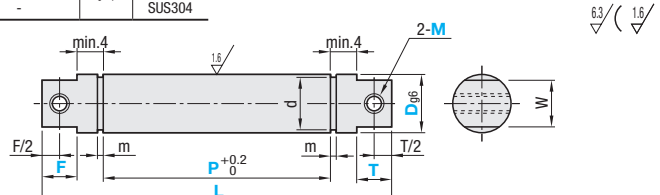
Shafts for Tension

Pull, Retaining Ring Groove



RoHS 10

Type	Material	Surface Treatment	Accessory
SFRRT	S45C	Black Oxide	Retaining Ring 2 pcs
PSFRRT		Electroless Nickel Plating	Spring Steel
SSFRRT	SUS304	-	SUS304



6.3 / (16 /)

min.4

2-M

P+0.2

Suitable for where tension needs to be applied such as belt conveyor.
Circularity and Straightness P820

min4 → 4mm or more is required

Type	Dg6	1mm Increment				M (Coarse Selection)	W	d	Tolerance	m	Tolerance	
		L	F	T	P							
SFRRT	8	-0.005	20~400	7~30	7~30	5~370	3	7	7	+0.09 0	0.9	+0.1 0
	10	-0.014	30~500	10~30	10~30	5~470	4	8	9.6	0 -0.09	1.15	+0.14 0
PSFRRT	12	-0.006	30~500				9	11.5	0 -0.11			
	15	-0.017	30~600	4 5 6	12	14.3	5 6 8	13	16.2	1.35		
SSFRRT	17	-0.007	40~600	16~50	16~50	10~550					6 8 10	16
	20	-0.007	40~600	16~50	16~50	10~550	8 10 12	20	23.9	1.65		
	25	-0.020	50~600								25	28.6
30	-0.020	60~600										

L≥P+F+T+8

Ordering Example: Part Number - L - F - T - P - M

SFRRT20 - 250 - F30 - T30 - P184 - M10

D	SFRRT							PSFRRT							SSFRRT										
	Min. L	L51	L101	L151	L201	L301	L401	Min. L	L51	L101	L151	L201	L301	L401	Min. L	L51	L101	L151	L201	L301	L401				
8																									
10																									
12																									
15																									
17																									
20																									
25																									
30																									

Alterations Example: Part Number - L - F - T - P - M - (FC, WFC, SC...etc.)

SFRRT20 - 250 - F30 - T30 - P160 - M10 - LKC

Alterations	Set Screw Flat	Wrench Flats	L Dimension Tolerance	Alter W Dimension	2 Set Screw Flats at both ends
Code	FC-WFC	SC	LKC	WC	DC
Spec.	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+2≤L SC=0 or SC≥1 Processed ends will not be aligned with each other.	Changes L dimension tolerance. Ordering Code LKC L<500→L±0.05 L≥500→L±0.1	Changes W dimension in 0.1 increment. Ordering Code WCs	Chamfering Dia. can be specified. DC=0.1mm Increment When DC≠W, chamfering is not available for W.

