

# Rotary Shafts

—Both Ends Threaded (For Inch Bearings)—



Mostly used as drive or idler shafts in rotary motion applications. Available in 1045 carbon steel and 304 stainless steel. Both ends of this rotary shaft have inch male threads with very precise O.D. so it can be used in combination with inch bearings and locknuts. Choose from a wide variety of modifications. Simply add the modification ordering code to the end of the part number. The "L" dimension length can be specified with 0.01" increments. MISUMI's Rotary Shafts are delivered with complete shaft end machining, fine surface finish, and can fit into your system right out of the box.

Material	Surface Treatment	Type
1045 Steel	Black Oxide	U-SFRMA
	Electroless Nickel Plating	U-PSFRMA
304 Stainless Steel	-	U-SSFRMA

Material Characteristics P.628, 629

Tolerance of L and Y P.203  
General Tolerance Unless otherwise specified use the table below.

From	To	Tolerance
0.000	5.000	+0.01
5.001	16.000	+0.02
16.001	60.000	+0.05

Surface Roughness: Unless otherwise specified P.203  
Circularity, Straightness, Perpendicularity and Concentricity P.203

Part No.	Choose in 0.01" Increments				T (=P) Inch Thread Selection (Callout)							
	D	L	F	B	#10-24	1/4-20	3/8-16	1/2-13	5/8-11	3/4-10	7/8-9	1-8
U-SFRMA U-PSFRMA U-SSFRMA	0.25	1/4	0.75 ~ 10.00	B≤T Dia x 3 & B≤F-0.09 (When T≤0.25)	10							
	0.38	3/8	0.75 ~ 18.00		10 0.25							
	0.50	1/2	1.00 ~ 22.00	B≤F-0.13 (When 0.38≤T≤0.50)	10 0.25 0.38							
	0.63	5/8	1.50 ~ 24.00		10 0.25 0.38 0.50							
	0.75	3/4	1.50 ~ 28.00	B≤F-0.19 (When 0.63≤T)	0.25 0.38 0.50 0.63 0.75							
	1.00	1"	1.75 ~ 28.00		0.38 0.50 0.63 0.75 0.88							
1.25	1-1/4	1.75 ~ 28.00		0.38 0.50 0.63 0.75 0.88								
1.50	1-1/2	1.75 ~ 28.00		0.50 0.63 0.75 0.88 1.00								

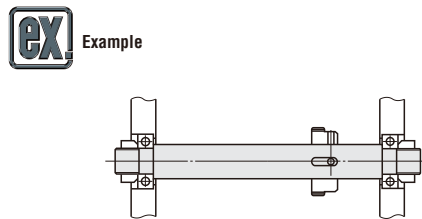
Order Example The part number consists only of the fields with blue characters. Please refer to the table below for technical information.

Part No. — L — F — B — T  
Type D  
U-SFRMA 0.50 — L 15.00 — F 1.25 — B 0.88 — T 0.25

## Technical Information

D				(Y)		T (=P)				Compatible Inch Bearing
Callout	Nominal	Tolerance	Max	Callout	Thread Size	Nominal	Tolerance			
0.25	1/4	0.2498	0.2494	12.00	10	#10-24	3/16	0.1875	0.1870	RA3
0.38	3/8	0.3748	0.3744	20.00	0.25	1/4-20	1/4	0.2500	0.2494	R4, RA4
0.50	1/2	0.4998	0.4994	24.00	0.38	3/8-16	3/8	0.3750	0.3744	R6
0.63	5/8	0.6248	0.6244	26.00	0.50	1/2-13	1/2	0.5000	0.4993	R8
0.75	3/4	0.7497	0.7492	30.00	0.63	5/8-11	5/8	0.6250	0.6243	R10
1.00	1"	0.9997	0.9992	30.00	0.75	3/4-10	3/4	0.7500	0.7492	R12
1.25	1-1/4	1.2496	1.2490	30.00	0.88	7/8-9	7/8	0.8750	0.8742	R14
1.50	1-1/2	1.4996	1.4990	30.00	1.00	1-8	1"	1.0000	0.9992	R16

Days to Ship Standard 6 Days Non-Returnable P.30  
Express 4 Days (Specify Express A) \$ 8.00/piece P.30  
A flat charge of \$21.60 for 3 or more identical pieces.



Optional Modifications Part No. — L — F — B — T (TC) — (Ordering Code: TC) (SC, LKC, FC...etc)  
U-SFRMA 1.00 — L 20.125 — F 1.00 — B 0.69 — TC 0.50 — SC 1.00 — LKC

Optional Modifications	Key Groove	Set Screw Flat	Two Set Screw Flats at Angle	Wrench Flats	Length Tolerance	Concentricity	Inch Fine Thread
Ordering Code	KC, WKC	FC, WFC	KFC	SC	LKC	CKC	TC
Details	<ul style="list-style-type: none"> <li>• 1 Key Groove: KC</li> <li>• 2 Key Grooves: WKC</li> </ul>	<ul style="list-style-type: none"> <li>• Set Screw Flat: FC</li> <li>• Two Set Screw Flats: WFC</li> </ul>	<ul style="list-style-type: none"> <li>• Adds a flat at the base face (0°), and another at the designated angle.</li> </ul>	<ul style="list-style-type: none"> <li>• Adds wrench flats.</li> </ul>	<ul style="list-style-type: none"> <li>• Changes the length tolerance.</li> </ul>	<ul style="list-style-type: none"> <li>• Changes the concentricity to dia 0.0008.</li> </ul>	<ul style="list-style-type: none"> <li>• Changes to inch fine thread in a table below.</li> </ul>
\$ Price Adder	KC: 4.00 WKC: 8.00	FC: 2.00 WFC: 4.00	6.00	4.00	4.00	8.00	3.00

When using Optional Modifications, add the "Price Adder" to the standard "Unit Price".

Quantity	Rate
1	—
2-4	5%
5-19	10%
20-	15%

For larger quantity orders "Days to Ship" may differ from published catalog term. P.29

Part No.	Type	\$ Unit Price							
		D	Min. L	L2.01	L4.01	L6.01	L8.01	L12.01	L16.01
U-SFRMA	0.25	9.20	10.20	11.40	12.60	17.70	-	-	-
	0.38	9.20	10.20	11.40	12.60	17.70	20.10	23.10	-
	0.50	10.40	12.20	12.90	13.70	18.80	21.50	29.40	-
	0.63	11.40	13.10	14.10	14.90	20.40	23.30	31.80	-
	0.75	12.80	16.10	16.70	18.50	25.70	28.80	38.60	46.10
	1.00	15.30	18.90	21.30	23.70	29.10	35.90	48.30	57.20
U-PSFRMA	0.25	10.20	11.60	13.10	14.30	19.70	-	-	-
	0.38	10.20	11.60	13.10	14.30	19.70	22.40	25.40	-
	0.50	11.40	13.50	14.00	15.50	20.70	23.60	33.30	-
	0.63	12.30	14.60	15.00	16.70	22.40	25.50	36.20	-
	0.75	15.00	18.80	19.70	22.10	29.90	33.90	44.40	66.90
	1.00	18.30	22.80	25.20	28.20	36.90	42.00	54.80	69.10
U-SSFRMA	0.25	13.50	14.80	16.90	18.50	27.70	-	-	-
	0.38	13.50	14.80	16.90	18.50	27.70	31.00	34.40	-
	0.50	15.70	18.50	19.10	21.20	30.40	33.80	42.80	-
	0.63	17.10	20.00	20.70	23.00	33.10	36.70	46.30	-
	0.75	17.80	22.10	22.90	24.50	35.80	39.60	55.30	63.20
	1.00	19.40	24.50	27.90	30.80	39.60	49.90	76.50	85.90
1.25	21.80	29.20	32.90	36.50	51.50	58.50	92.70	93.40	
1.50	30.80	46.10	52.00	57.60	81.40	92.70	130.10	148.10	

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