

Flanged Linear Bushings –Double Bushings–



The Flanged Linear Ball Bushings are designed for all Steel Misumi linear shafts. They are engineered to be working with extremely small clearance or even a slight pre-load between the shaft and the bushing balls. Choose from a variety of compact flange configurations. The double version allows longer bearing surface and improves rigidity.



Outer Cylinder Material	Hardness	Ball Material	Cage Material	Temp. Range	Seal Material	Flange	Type
52100 Bearing Steel	58HRC~	52100 Bearing Steel	Plastic (Delrin Class)	-4 - 176°F	NBR (Nitrile Rubber)	Round	U-LHFRW
						Square	U-LHFSW

Material Characteristics P.628

Round Flange

Square Flange

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

Thread or hole location tolerance: ±0.005* non-cumulative.

Type	Part No.			D			L ±0.012	\$ Unit Price (Qty. 1 ~ 9)	
	Callout	Nominal	Tolerance	Nominal	Tolerance	U-LHFRW		U-LHFSW	
						dr		dr	
U-LHFRW U-LHFSW	0.25	1/4	0.2497 0.2493	1/2	0.5000 0.4996	1.375	20.40	24.30	
	0.38	3/8	0.3747 0.3743	5/8	0.6250 0.6246	1.594	21.10	25.30	
	0.50	1/2	0.4997 0.4993	7/8	0.8750 0.8746	2.375	24.90	29.50	
	0.63	5/8	0.6247 0.6243	1-1/8	1.1250 1.1246	2.813	28.60	34.30	
	0.75	3/4	0.7498 0.7494	1-1/4	1.2500 1.2496	3.094	34.80	41.40	
	1.00	1"	0.9998 0.9994	1-9/16	1.5625 1.5621	4.281	49.60	59.30	
	1.25	1-1/4	1.2499 1.2494	2	2.0000 1.9995	5.000	75.50	90.10	
1.50	1-1/2	1.4999 1.4993	2-3/8	2.3750 2.3745	5.688	141.30	168.60		

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

Part No. U-LHFRW 0.38

Type dr

Technical Information

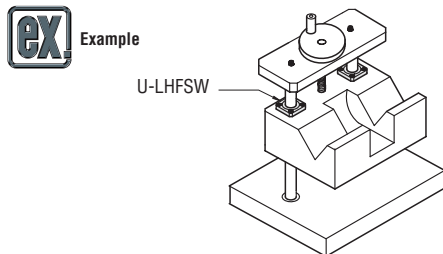
dr	H	T	d	d1	t	Compatible Bolt	W1	P.C.D.	Eccentricity (Max)	Perpendicularity	No. of Ball Tracks	Load Capacity (lbf)		Mass (oz)	
												Dynamic	Static	U-LHFRW	U-LHFSW
0.25	1.250	0.219	0.156	0.250	0.141	#6	1.000	0.875	0.0006	0.0006	4	49	68	1.43	1.17
0.38	1.500	0.250	0.188	0.297	0.172	#8	1.250	1.063	0.0006	0.0006	4	52	72	2.22	1.90
0.50	1.750	0.250	0.188	0.297	0.172	#8	1.375	1.313	0.0006	0.0006	4	156	214	4.44	3.80
0.63	2.000	0.250	0.188	0.297	0.172	#8	1.500	1.563	0.0006	0.0006	4	251	313	7.68	6.63
0.75	2.188	0.313	0.219	0.344	0.203	#10	1.688	1.719	0.0008	0.0008	5	323	428	9.89	8.52
1.00	2.500	0.313	0.219	0.344	0.203	#10	2.000	2.031	0.0008	0.0008	6	531	814	18.15	16.68
1.25	3.125	0.406	0.281	0.406	0.266	1/4	2.500	2.563	0.0010	0.0010	6	790	1131	37.28	34.32
1.50	3.750	0.500	0.344	0.500	0.328	5/16	3.000	3.063	0.0010	0.0010	6	1159	1628	59.15	53.86

Days to Ship 1 Day

Price

Quantity	1-9	10-19	20-49	50~
Rate	—	2%	3%	5%

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



Related Components Linear Shafts P.39

Outer Cylinder Material	Hardness	Ball Material	Cage Material	Temp. Range	Seal Material	Flange	Type
52100 Bearing Steel	58HRC~	52100 Bearing Steel	Plastic (Delrin Class)	-4 - 176°F	NBR (Nitrile Rubber)	Compact	U-LHFCW

Material Characteristics P.628

Compact Flange

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

Thread or hole location tolerance: ±0.005* non-cumulative.

Type	Part No.			D			L ±0.012	\$ Unit Price (Qty. 1 ~ 9)	
	Callout	Nominal	Tolerance	Nominal	Tolerance	U-LHFCW			
						dr		dr	
U-LHFCW	0.25	1/4	0.2497 0.2493	1/2	0.5000 0.4996	1.375	22.60		
	0.38	3/8	0.3747 0.3743	5/8	0.6250 0.6246	1.594	23.40		
	0.50	1/2	0.4997 0.4993	7/8	0.8750 0.8746	2.375	27.10		
	0.63	5/8	0.6247 0.6243	1-1/8	1.1250 1.1246	2.813	30.90		
	0.75	3/4	0.7498 0.7494	1-1/4	1.2500 1.2496	3.094	37.00		
	1.00	1"	0.9998 0.9994	1-9/16	1.5625 1.5621	4.281	51.60		
	1.25	1-1/4	1.2499 1.2494	2	2.0000 1.9995	5.000	78.50		
1.50	1-1/2	1.4999 1.4993	2-3/8	2.3750 2.3745	5.688	146.90			

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

Part No. U-LHFCW 0.50

Type dr

Technical Information

dr	H	T	d	d1	t	Compatible Bolt	W	F	A	Eccentricity (Max)	Perpendicularity	No. of Ball Tracks	Load Capacity (lbf)		Mass (oz)
													Dynamic	Static	
0.25	1.250	0.219	0.156	0.250	0.141	#6	0.750	-	0.875	0.0006	0.0006	4	49	68	1.15
0.38	1.500	0.250	0.188	0.297	0.172	#8	0.875	-	1.063	0.0006	0.0006	4	52	72	1.74
0.50	1.750	0.250	0.188	0.297	0.172	#8	1.125	0.688	1.125	0.0006	0.0006	4	156	214	3.77
0.63	2.000	0.250	0.188	0.297	0.172	#8	1.375	0.938	1.250	0.0006	0.0006	4	251	313	6.95
0.75	2.188	0.313	0.219	0.344	0.203	#10	1.500	1.000	1.375	0.0008	0.0008	5	323	428	8.80
1.00	2.500	0.313	0.219	0.344	0.203	#10	1.875	1.313	1.563	0.0008	0.0008	6	531	814	17.13
1.25	3.125	0.406	0.281	0.406	0.266	1/4	2.313	1.500	2.063	0.0010	0.0010	6	790	1131	35.10
1.50	3.750	0.500	0.344	0.500	0.328	5/16	2.688	1.813	2.438	0.0010	0.0010	6	1159	1628	54.82

Days to Ship 1 Day

Price

Quantity	1-9	10-19	20-49	50~
Rate	—	2%	3%	5%

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

- Contents
- How to Use the Catalog
- Linear Motion
- Linear Shafts
- Bushings
- Shaft Supports
- Shaft Collars
- Linear Guides
- Rotary Motion
- Rotary Shafts
- Bearings w/ Housings
- Pulleys Belts Couplings
- Locating Components
- Locating Pins & Bushings
- Locating Components
- General Components
- Pivot Pins Floating Joints
- Posts Device Stands Strut Clamps
- Angle Plates Gussets Welded Stands
- Washers Collars
- Manifolds
- Urethanes Rubbers
- Plates
- Misc.
- Technical Data
- Business Information
- Index