

Flanged Linear Bushings –Single Bushing–



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.



Outer Cylinder Material	Outer Cylinder 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-LHFR
						Square	U-LHFS

Material Characteristics P.628

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-LHFR	U-LHFS
							dr	
U-LHFR U-LHFS	0.25	1/4	0.2497 0.2493	1/2	0.5000 0.4996	0.750	9.30	10.00
	0.38	3/8	0.3747 0.3743	5/8	0.6250 0.6246	0.875	9.60	10.40
	0.50	1/2	0.4997 0.4993	7/8	0.8750 0.8746	1.250	11.30	12.10
	0.63	5/8	0.6247 0.6243	1-1/8	1.1250 1.1246	1.500	12.90	14.10
	0.75	3/4	0.7498 0.7494	1-1/4	1.2500 1.2496	1.625	15.60	17.00
	1.00	1"	0.9998 0.9994	1-9/16	1.5625 1.5621	2.250	22.30	24.10
	1.25	1-1/4	1.2499 1.2494	2	2.0000 1.9995	2.625	33.90	36.80
	1.50	1-1/2	1.4990 1.4993	2-3/8	2.3750 2.3745	3.000	63.40	68.80

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-LHFR 0.50

Type dr

Technical Information

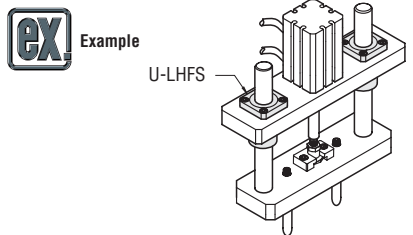
dr	H	T	d	d1	t	Compatible Bolt	W1	P.C.D.	Eccentricity (Max)	Perpendicularity	No. of Ball Tracks	Load Capacity (lbf)		Mass (oz)	
												Dynamic	Static	U-LHFR	U-LHFS
0.25	1.250	0.219	0.156	0.250	0.141	#6	1.000	0.875	0.0005	0.0005	4	30	34	1.16	0.90
0.38	1.500	0.250	0.188	0.297	0.172	#8	1.250	1.063	0.0005	0.0005	4	32	36	1.83	1.50
0.50	1.750	0.250	0.188	0.297	0.172	#8	1.375	1.313	0.0005	0.0005	4	96	107	3.13	2.50
0.63	2.000	0.250	0.188	0.297	0.172	#8	1.500	1.563	0.0005	0.0005	4	155	156	5.02	3.97
0.75	2.188	0.313	0.219	0.344	0.203	#10	1.688	1.719	0.0006	0.0006	5	199	214	6.70	5.34
1.00	2.500	0.313	0.219	0.344	0.203	#10	2.000	2.031	0.0006	0.0006	6	327	407	11.12	9.65
1.25	3.125	0.406	0.281	0.406	0.266	1/4	2.500	2.563	0.0008	0.0008	6	486	565	22.89	19.97
1.50	3.750	0.500	0.344	0.500	0.328	5/16	3.000	3.063	0.0008	0.0008	6	713	814	36.90	31.61

Days to Ship 1 Day

Quantity Discount Rate

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	Outer Cylinder 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-LHFC

Material Characteristics P.628

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-LHFC	
							dr	
U-LHFC	0.25	1/4	0.2497 0.2493	1/2	0.5000 0.4996	0.750	10.40	
	0.38	3/8	0.3747 0.3743	5/8	0.6250 0.6246	0.875	10.80	
	0.50	1/2	0.4997 0.4993	7/8	0.8750 0.8746	1.250	12.60	
	0.63	5/8	0.6247 0.6243	1-1/8	1.1250 1.1246	1.500	14.30	
	0.75	3/4	0.7498 0.7494	1-1/4	1.2500 1.2496	1.625	17.00	
	1.00	1"	0.9998 0.9994	1-9/16	1.5625 1.5621	2.250	23.90	
	1.25	1-1/4	1.2499 1.2494	2	2.0000 1.9995	2.625	36.40	
	1.50	1-1/2	1.4990 1.4993	2-3/8	2.3750 2.3745	3.000	68.10	

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-LHFC 0.63

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	0.0005	0.0005	4	30	34	0.88
0.38	1.500	0.250	0.188	0.297	0.172	#8	0.875	-	1.063	0.0005	0.0005	4	32	36	1.34
0.50	1.750	0.250	0.188	0.297	0.172	#8	1.125	0.688	1.125	0.0005	0.0005	4	96	107	2.46
0.63	2.000	0.250	0.188	0.297	0.172	#8	1.375	0.938	1.250	0.0005	0.0005	4	155	156	4.30
0.75	2.188	0.313	0.219	0.344	0.203	#10	1.500	1.000	1.375	0.0006	0.0006	5	199	214	5.62
1.00	2.500	0.313	0.219	0.344	0.203	#10	1.875	1.313	1.563	0.0006	0.0006	6	327	407	10.10
1.25	3.125	0.406	0.281	0.406	0.266	1/4	2.313	1.500	2.063	0.0008	0.0008	6	486	565	20.74
1.50	3.750	0.500	0.344	0.500	0.328	5/16	2.688	1.813	2.438	0.0008	0.0008	6	713	814	32.56

Days to Ship 1 Day

Quantity Discount Rate

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

Express Options P.30
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