Flanged Linear Bushings –Double Bushings with Pilot–

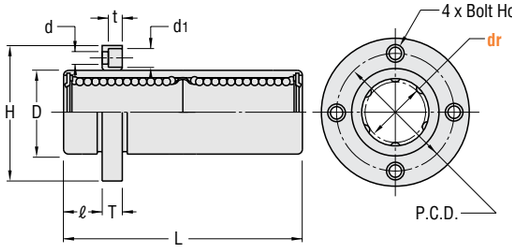
The Flanged Linear Ball Bushings with Pilot are designed for all Steel Misumi linear shafts. They are engineered to be working with extremely small clearance or even a slight pre-load between the shaft and the bushing balls. Choose from a variety of compact flange configurations. The Pilot feature allows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

Price Revision
: New Price

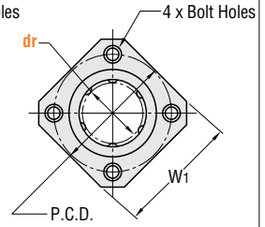
Outer Cylinder Material	Outer Cylinder Hardness	Ball Material	Cage Material	Temp. Range	Seal Material	Flange	Type
52100 Bearing Steel	58HRC~	52100 Bearing Steel	Plastic (Delrin Class)	-4 ~ 176°F	NBR (Nitrile Rubber)	Round	U-LHIRW
						Square	U-LHISW

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.

Part No. Type	dr Callout	dr Nominal	dr Tolerance		D Nominal	D Tolerance		L ±0.012	$ Unit Price (Qty. 1 ~ 9) U-LHIRW	$ Unit Price (Qty. 1 ~ 9) U-LHISW
U-LHIRW U-LHISW	0.25	1/4	0.2497	0.2493	1/2	0.5000	0.4996	1.375	24.00	28.40
	0.38	3/8	0.3747	0.3743	5/8	0.6250	0.6246	1.594	24.80	29.30
	0.50	1/2	0.4997	0.4993	7/8	0.8750	0.8746	2.375	29.10	34.40
	0.63	5/8	0.6247	0.6243	1-1/8	1.1250	1.1246	2.813	33.10	39.50
	0.75	3/4	0.7498	0.7494	1-1/4	1.2500	1.2496	3.094	39.90	47.40
	1.00	1"	0.9998	0.9994	1-9/16	1.5625	1.5621	4.281	56.50	67.40
	1.25	1-1/4	1.2499	1.2494	2	2.0000	1.9995	5.000	85.90	102.40
	1.50	1-1/2	1.4999	1.4993	2-3/5	2.3750	2.3745	5.688	160.60	191.50

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

Order Example

Part No.	
Type	dr
U-LHIRW	0.75

Technical Information

dr	ℓ	H	T	d	d1	t	Compatible Bolt	W1	P.C.D.	Eccentricity (Max)	Perpendic-ularity	No. of Ball Tracks	Load Capacity (lbf) Dynamic	Load Capacity (lbf) Static	Mass (oz) U-LHIRW	Mass (oz) U-LHISW
0.25	0.188	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	0.250	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	0.250	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	0.250	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	0.313	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	0.375	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	0.375	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	0.500	3.750	0.500	0.344	0.500	0.328	5/16	2.488	3.063	0.0010	0.0010	6	1159	1628	59.15	53.86

Days to Ship: 1 Day

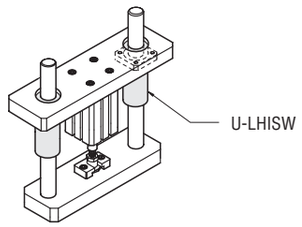
Price

Quantity Discount Rate

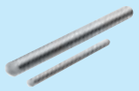
Quantity	1~9	10~19	20~49	50~
Rate	—	2%	3%	5%

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

Example



Related Components



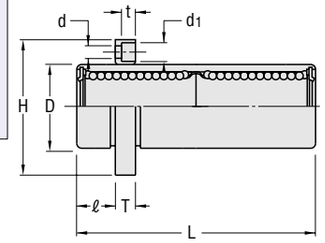
Linear Shafts
P.39

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-LHICW

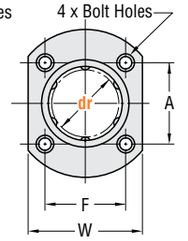
Material Characteristics P.628

Compact Flange

dr=0.38 or Smaller



dr=0.50 or Larger



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.

Part No. Type	dr Callout	dr Nominal	dr Tolerance		D Nominal	D Tolerance		L ±0.012	$ Unit Price (Qty. 1 ~ 9) U-LHICW
U-LHICW	0.25	1/4	0.2497	0.2493	1/2	0.5000	0.4996	1.375	27.10
	0.38	3/8	0.3747	0.3743	5/8	0.6250	0.6246	1.594	28.00
	0.50	1/2	0.4997	0.4993	7/8	0.8750	0.8746	2.375	32.80
	0.63	5/8	0.6247	0.6243	1-1/8	1.1250	1.1246	2.813	37.30
	0.75	3/4	0.7498	0.7494	1-1/4	1.2500	1.2496	3.094	44.30
	1.00	1"	0.9998	0.9994	1-9/16	1.5625	1.5621	4.281	62.00
	1.25	1-1/4	1.2499	1.2494	2	2.0000	1.9995	5.000	95.50
	1.50	1-1/2	1.4999	1.4993	2-3/8	2.3750	2.3745	5.688	176.30

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

Order Example

Part No.	
Type	dr
U-LHICW	0.63

Technical Information

dr	ℓ	H	T	d	d1	t	Compatible Bolt	W	F	A	Eccentricity (Max)	Perpendic-ularity	No. of Ball Tracks	Load Capacity (lbf) Dynamic	Load Capacity (lbf) Static	Mass (oz)
0.25	0.188	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	0.250	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	0.250	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	0.250	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	0.313	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	0.375	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	0.375	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	0.500	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 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