

# Flanged Linear Bushing

## Center Flanged Double

= For customers using industry standard products =  
 The part enclosed in the red frame is as per industry standard specifications (Outer cylinder SUJ2 equivalent, Retainer resin). Consider these specifications while selecting the product.

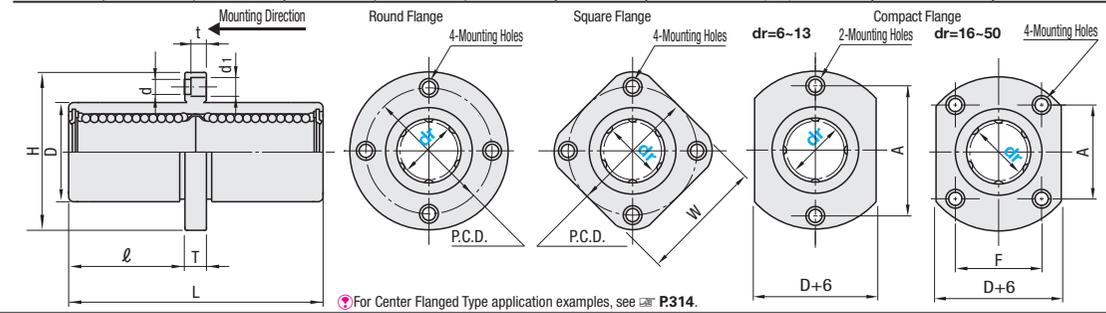
**Features:** Easy to assemble with bolt-on flanges. A load can be placed near the center of the bushing, evenly distributing the load and space.

### Industry Standard



RoHS

Type			Outer Cylinder			Balls	Retainer	Ambient Operating Temp.	Accessory
Round Flange	Square Flange	Compact Flange	Material	Hardness	Surface Treatment	Material	Material		
LHMRW	LHMSW	LHMCW	SUJ2 Equivalent	58HRC~	-	SUJ2 Equivalent	Plastic (Duracon M90 Equivalent)	-20~ 80°C	Seal Material Nitrile Rubber (-20~120°C)
LHMRWF	LHMSWF	LHMCWF					Stainless Steel (SUS)	-20~110°C	
LHMRWM	LHMSWM	LHMCWM					Plastic (Duracon M90 Equivalent)	-20~ 80°C	
LHMRWMF	LHMSWMF	LHMCWMF	SUS440C Equivalent	56HRC~	-	SUS440C Equivalent	Stainless Steel (SUS)	-20~110°C	
SLHMRW	SLHMSW	SLHMCW					Plastic (Duracon M90 Equivalent)	-20~ 80°C	
SLHMRWS	SLHMSWS	SLHMCWS					Stainless Steel (SUS)	-20~120°C	



For Center Flanged Type application examples, see P.314.

dr	Tolerance	D Tolerance		L Tolerance	l	H	T	d	d1	t	P.C.D.	W	F	A	Eccentricity	Balls Rows	* Perpendicularity	Basic Load Rating			Mass (g)		
		No Surface Treatment	Surface Treatment															C (Dynamic) N	Co (Static) N	Allowable Static Moment (N·m)	Round Flange	Square Flange	Compact Flange
6		12	0	35	15	28	5	3.5	6	3.1	20	22	-	20	0.015	4	0.015	324	529	2.18	31	25	28
8	0	15	-0.013	45	20	32	6	4.5	7.5	4.1	24	25	-	24	0.020	5	0.020	431	784	4.31	51	43	47
10	-0.010	19	-0.016	55	24.5	40	8	5.5	9	5.1	29	30	-	29	0.025	6	0.025	588	1100	7.24	98	78	90
12		21	0	57	25.5	42	10	6.6	11	6.1	32	32	-	32	0.025	6	0.025	657	1200	10.9	110	90	102
13		23	-0.016	61	27.5	43	11	7.5	12	6.6	33	34	-	33	0.025	6	0.025	813	1570	11.6	130	108	123
16		28	-0.022	70	32	48	13	9	14	8.1	38	37	22	31	0.025	6	0.025	1230	2350	19.7	190	165	182
20	0	32	0	80	36	54	15	11	16	9.6	43	42	24	36	0.025	6	0.025	1400	2740	26.8	260	225	247
25	-0.012	40	-0.019	112	52	62	17	13	18	11.1	51	50	32	40	0.025	6	0.025	1560	3140	43.4	540	500	525
30		45	-0.025	123	56.5	74	19	15	20	12.6	60	58	35	49	0.025	6	0.025	2490	5490	82.8	680	590	645
35		52	0	135	62.5	82	21	17	22	14.1	67	64	38	55	0.025	6	0.025	2650	6270	110	1020	930	945
40	-0.014	60	0	151	69	96	23	19	24	15.6	78	75	45	64	0.025	6	0.025	3430	8040	147	1570	1380	1423
50		80	-0.030	192	89.5	116	27	23	28	18.1	98	92	56	80	0.025	6	0.025	6080	15900	397	3600	3400	3437

For Precautions for Use, see P.303.

Select Height-adjusting Spacers for Flanged Bushings from P.330.

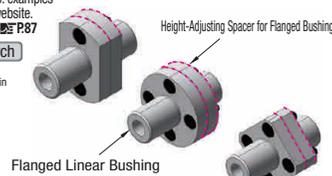
\* Perpendicularity of D part to flange mounting surface kgf=Nx0.101972

dr	Unit Price																	
	Round Flange					Square Flange					Compact Flange							
	LHMRW	LHMRWF	LHMRWM	LHMRWMF	SLHMRW	SLHMRWS	LHMSW	LHMSWF	LHMSWM	LHMSWMF	SLHMSW	SLHMSWS	LHMCW	LHMCWF	LHMCWM	LHMCWMF	SLHMCW	SLHMCWS
6																		
8																		
10																		
12																		
13																		
16																		
20																		
25																		
30																		
35																		
40																		
50																		

**Ordering Example**  
 Part Number  
 LHMCW25 (L Type Greased)  
 LHMCW25L (G Type Greased)  
 LHMCW25G (H Type Greased)  
 LHMCW25H (H Type Greased)

Alternative grease types available.  
 For Days to Ship, Price and Performance, see P.304.

**Example**  
 Combination of these app. examples can be selected on our website. Selection Procedure Details P.87  
 e-Catalog Search Keyword #MA073 Search  
 \* Enter the search keyword in the search box on e-Catalog. The search result will be shown in "Modular Assembler" area.



# Flanged Compact Type

## Single / Double

= For customers selecting MISUMI original specifications =  
 The part enclosed in the red frame is as per standard specifications (Outer cylinder SUJ2 equivalent, Retainer resin). Consider these specifications while selecting the product.

**Features:** 4 to 5mm smaller in flange diameter (H Dimension) and 2mm smaller in O.D. (D dimension) than Standard. (Standard and Compact Comparison P.318)

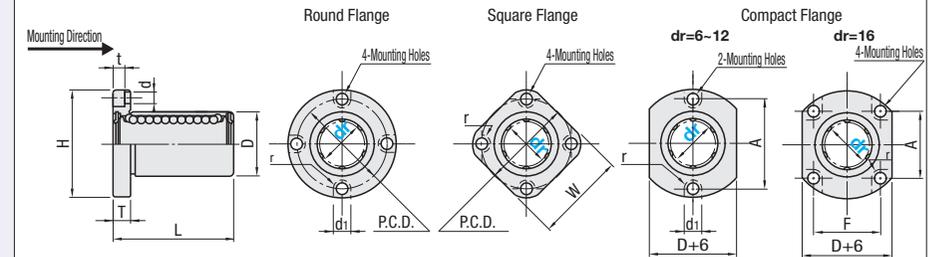
### MISUMI Original

#### Single



RoHS

Type			Outer Cylinder			Balls	Retainer	Ambient Operating Temp.	Accessory
Round Flange	Square Flange	Compact Flange	Material	Hardness	Surface Treatment	Material	Material		
LHRK	LHSK	LHCK	SUJ2 Equivalent	58HRC~	-	SUJ2 Equivalent	Plastic (Duracon M90 Equivalent)	-20~80°C	Seal Material Nitrile Rubber (-20~120°C)



dr	Tolerance	D Tolerance		L Tolerance	H	T	d	d1	t	r	P.C.D.	W	F	A	Eccentricity	Balls Rows	* Perpendicularity	Basic Load Rating			Mass (g)		
		No Surface Treatment	Surface Treatment															C (Dynamic) N	Co (Static) N	Allowable Static Moment (N·m)	Round Flange	Square Flange	Compact Flange
6		10	0	19	25	5	3.5	6	3.1	3	19	20	-	19	0.012	6	0.012	131	155	18	14	15	
8	0	13	0	24	28	6	4.5	7.5	4.1	3.75	22	23	-	22	0.012	6	0.012	235	277	27	22	24	
10	-0.009	17	-0.013	29	35	7	5.5	8.5	4.6	4.3	27	27	-	27	0.012	6	0.012	368	433	52	41	46	
12		19	0	30	38	8	6.5	9.5	4.7	4.5	30	29	-	30	0.012	6	0.012	381	449	64	50	55	
16		26	-0.016	37	44	11	9.5	12.5	5.1	4.9	36	34	24	27	0.012	6	0.012	608	716	96	77	83	

For Precautions for Use, see P.303.

\* Perpendicularity of D part to flange mounting surface kgf=Nx0.101972

**Features:** 4 to 5mm smaller in flange diameter (H Dimension) and 2mm smaller in O.D. (D dimension) than Standard. (Standard and Compact Comparison P.318)

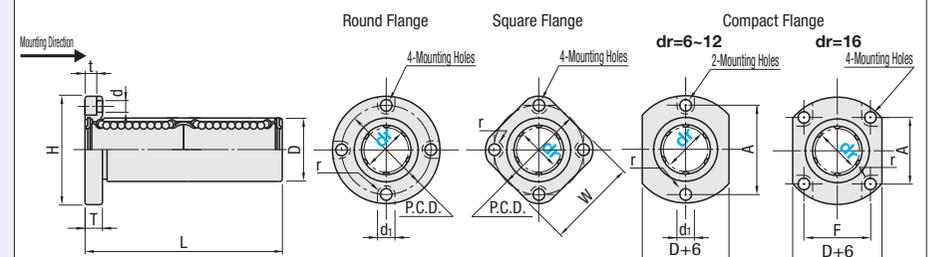
### MISUMI Original

#### Double



RoHS

Type			Outer Cylinder			Balls	Retainer	Ambient Operating Temp.	Accessory
Round Flange	Square Flange	Compact Flange	Material	Hardness	Surface Treatment	Material	Material		
LHRKW	LHSKW	LHCKW	SUJ2 Equivalent	58HRC~	-	SUJ2 Equivalent	Plastic (Duracon M90 Equivalent)	-20~80°C	Seal Material Nitrile Rubber (-20~120°C)



dr	Tolerance	D Tolerance		L Tolerance	H	T	d	d1	t	r	P.C.D.	W	F	A	Eccentricity	Balls Rows	* Perpendicularity	Basic Load Rating			Mass (g)		
		No Surface Treatment	Surface Treatment															C (Dynamic) N	Co (Static) N	Allowable Static Moment (N·m)	Round Flange	Square Flange	Compact Flange
6		10	0	35	25	5	3.5	6	3.1	3	19	20	-	19	0.015	6	0.015	206	309	2.46	24	20	21
8	0	13	0	45	28	6	4.5	7.5	4.1	3.75	22	23	-	22	0.015	6	0.015	383	555	5.76	38	34	35
10	-0.01	17	-0.013	55	35	7	5.5	8.5	4.6	4.3	27	27	-	27	0.015	6	0.015	585	867	10.99	79	68	73
12		19	0	57	38	8	6.5	9.5	4.7	4.5	30	29	-	30	0.015	6	0.015	608	899	11.85	95	82	87
16		26	-0.016	70	44	11	9.5	12.5	5.1	4.9	36	34	24	27	0.015	6	0.015	965	1431	23.48	154	135	141

For Precautions for Use, see P.303.

\* Perpendicularity of D part to flange mounting surface kgf=Nx0.101972

**Ordering Example**  
 Part Number  
 LHRK12 (L Type Greased)  
 LHRK12L (G Type Greased)  
 LHRK12G (H Type Greased)  
 LHRK12H (H Type Greased)  
 Alternative grease types available.  
 For Days to Ship, Price and Performance, see P.304.

dr	Unit Price					
	Single			Double		
	Round Flange	Square Flange	Compact Flange	Round Flange	Square Flange	Compact Flange
6	LHRK	LHSK	LHCK	LHRKW	LHSKW	LHCKW
8						
10						
12						
16						