With Clamp Lever

Flanged, Single/Double, Right/Left Clamp Lever

= For customers selecting MISUMI original specifications =
The products on this page are of standard specifications (Outer cylinder SUJ2 equivalent, Retainer resin).
Consider these specifications while selecting the product.

Height-adjusting Spacers for Flanged Bushings, Spacers / Stoppers for Linear Bushings

Features: MISUMI original. The Clamp Lever Type can position workloads easier compared to the Standard.

MISUMI Original

Right Lever, Single

Left Lever, Single

Right Lever, Double

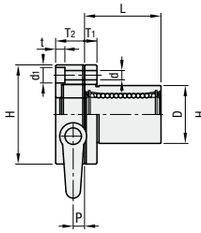
Left Lever, Double

RoHS

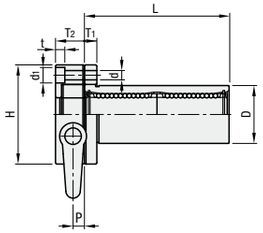
Type				Outer Cylinder			Balls	Retainer	Collar Holder			Collar / Lever Screw		Lever		Thread	Nut	Ambient Operating Temp.
Right Lever		Left Lever		M Material	H Hardness	S Surface Treatment	M Material	M Material	M Material	S Surface Treatment		M Material	S Surface Treatment	M Material	S Surface Treatment	M Material	M Material	
Single	Double	Single	Double															
LHRC	LHRCW	LHRLC	LHRLCW	SUJ2 Equivalent	58HRC~	-	SUJ2 Equivalent	Plastic (Duracon M90 Equivalent)	Aluminum Alloy	Clear Anodize	S45C	Electroless Nickel Plating	Zinc Diecast	Baked Paint	SUS304	Stainless Steel (SUS)		-20~80°C

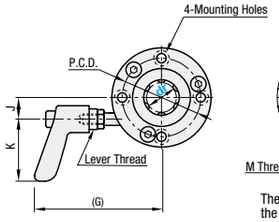
Right Lever

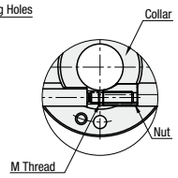
Single



Double



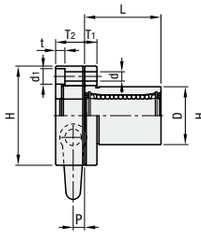




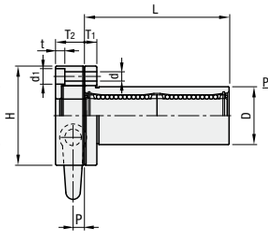
The linear shaft is clamped by the internal nut as the lever is rotated.

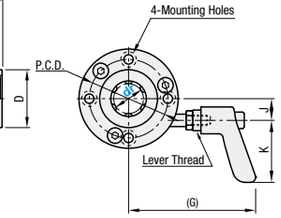
Left Lever

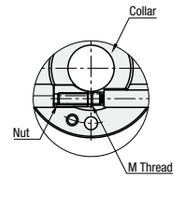
Single



Double







Part Number				D Tolerance		L																		
Type	dr	Tolerance			No Surface Treatment	Single		Double		H	T1	T2	d	d1	t	P.C.D.	(G)	J	K	P	M	Eccentricity		* Perpendicularity	
		Single	Double				Tolerance		Tolerance													Single	Double	Single	Double
Single Double (Right Lever Type) LHRC LHRCW	16	0 -0.009	0 -0.010	28	0 -0.016	37	±0.3	70	±0.3	48	6	14	4.5	7.5	4.5	38	(62)	10.5	30	5.5	4	0.012	0.015	0.012	0.015
	20	0 -0.010	0 -0.012	32	0 -0.019	42		80		54	8		5.5	9	5.5	43	(63.2)	12.5				0.015	0.020	0.015	0.020
(Left Lever Type) LHRLC LHRLCW	25			40		59		112		62						51	(70.7)	16			5				
	30			45		64		123		74	10		6.6	11	6.1	60	(73.5)	18.5							

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

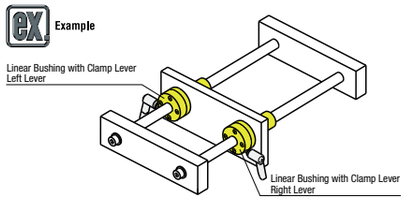
dr	Max. Thrust Load N		Basic Load Rating				Allowable Static Moment (N・m)		Mass (g)		Unit Price	
			C (Dynamic) N		Co (Static) N						LHRC	LHRCW
	Greased	Tightening Torque N・m	Single	Double	Single	Double	Single	Double	Single	Double	LHRLC	LHRLCW
16	250	1.5	775	1230	1180	2350	-	19.7	217	289		
20	250	1.5	882	1400	1370	2740	-	26.8	324	406		
25	250	3	980	1560	1570	3140	-	43.4	553	757		
30	500	3	1570	2490	2740	5490	-	82.8	683	901		

For Precautions for Use, see P.303. Maximum thrust load value is a reference.

Precautions for Use

- For installation, loosen a lever until the nut does not interfere with the shaft, then insert the shaft.
- Do not tighten the clamp without a shaft inserted. It may cause deformation and permanent damages.
- Use as an interim measure. Do not use as a permanent safety position holding device.

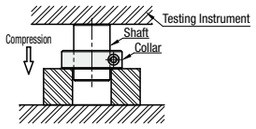
Example



Max. Thrust Load Test Method

The collar is tightened to torque value(s) shown in the chart, then compressive load is applied with the tester. The compressive load where the shaft begins to move is defined as the Max. Thrust Load.

* Max. thrust load of greased linear bushings was tested.



Ordering Example

Part Number
LHRC16
LHRC16L (L Type Greased)
LHRC16G (G Type Greased)
LHRC16H (H Type Greased)

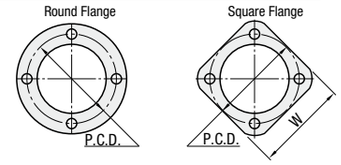
Alternative grease types available.
For Days to Ship, Price and Performance, see P.304.

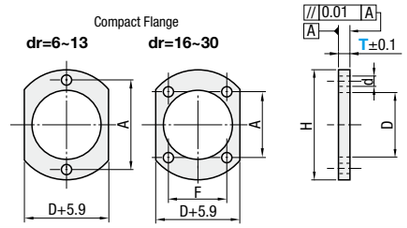
Features: Bushing position can be adjusted in axial direction when space is insufficient in thrust direction.

Height-adjusting Spacers for Flanged Bushings

RoHS

Type			M Material
Round Flange	Square Flange	Compact Flange	
LCSR	LCSS	LCSC	SUS304

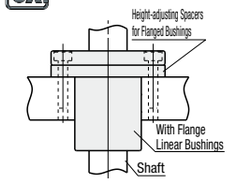




Part Number		T Selection	D		d	H	P.C.D.	W	F	A	Unit Price								
											Round Flange			Square Flange			Compact Flange		
											LCSR			LCSS			LCSC		
Type	Nominal			Tolerance							T1	T3	T5	T1	T3	T5	T1	T3	T5
LCSR LCSS LCSC	6	1 3 5	12.1	+0.2 0	3.5	28	20	22	-	20									
	8		15.1			32	24	25	-	24									
	10		19.1		4.5	40	29	30	-	29									
	12		21.1			42	32	32	-	32									
	13		23.1			43	33	34	-	33									
	16		28.1			48	38	37	22	31									
	20		32.1	+0.3 0	5.5	54	43	42	24	36									
	25		40.1			62	51	50	32	40									
	30		45.1		6.6	74	60	58	35	49									

Not applicable to Linear Bushing Compact on P.310.

Example

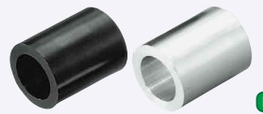


Ordering Example

Part Number	-	T
LCSR12	-	5
LCSC25	-	3

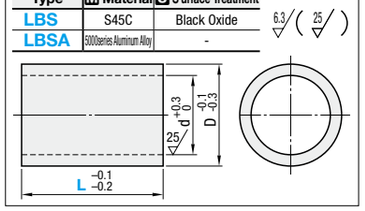
Features: Spacers for Linear Bushing installation.

Spacers for Linear Bushings



RoHS

Type	M Material	S Surface Treatment
LBS	S45C	Black Oxide
LBSA	5000series Aluminum Alloy	-



Ordering Example

Part Number	-	L
LBSA12	-	55

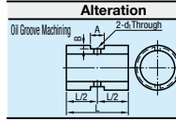
Part Number		L 1mm Increment	D	d	LBS						LBSA					
					Min. L ~ 40		L41~100		L101~150		Min. L ~ 40		L41~100		L101~150	
Type	No.				Unit Price 1~9pc(s).	Volume Discount Rate 10~30	Unit Price 1~9pc(s).	Volume Discount Rate 10~30	Unit Price 1~9pc(s).	Volume Discount Rate 10~30	Unit Price 1~9pc(s).	Volume Discount Rate 10~30	Unit Price 1~9pc(s).	Volume Discount Rate 10~30	Unit Price 1~9pc(s).	Volume Discount Rate 10~30
LBS LBSA	3	5~50	7	4					-	-					-	-
	4		8	5					-	-					-	-
	5		10	6					-	-					-	-
	6		12	7					-	-					-	-
	8		15	9					-	-					-	-
	10	10~100	19	11					-	-					-	-
	12		21	13					-	-					-	-
	13		23	14					-	-					-	-
	16		28	17					-	-					-	-
	20		32	22					-	-					-	-
	25		40	27					-	-					-	-
	30	10~150	45	32												
	35		52	37												
	40		60	42												
	50		80	52												

Not applicable to Linear Bushing Compact on P.318. For orders larger than indicated quantity, please request a quotation.

Alterations

Part Number	-	L	-	(MC)
LBSA12	-	55	-	MC

Alteration	Code	Spec.
Oil Groove Machining	MC	Oil groove is added.

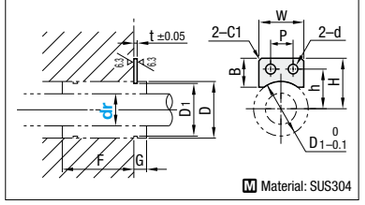


No.	A	B	d1
3, 4	1.5	0.3	1
5~8	2.5	0.5	2
10~50	5	1	3

Features: Retaining Plates for Linear Bushing installation.

Stoppers for Linear Bushings

RoHS



Material: SUS304

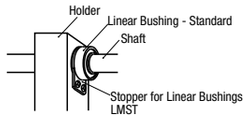
Ordering Example

Part Number
LMST16

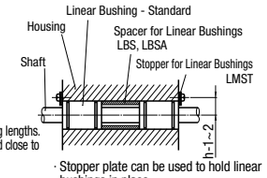
Part Number		External Dimensions					Mounting Hole Dimensions			Reference Dimensions			Mass	Unit Price	
Type	dr	D1	W	H	B	t	d	P	h	D	F	G	(g)	1~19pc(s).	20~50
LMST	5	9.6	14	13	12	1.0	3.4	6	9	10	11.5	3.5	1.0		
	6	11.5		14	13				10	12	15.15	3.85			
	8	14.3	16	16	15			8	12	15	19.65	4.35	1.1		
	10	18		18	13				14	19	24.2	4.8			
	12	20		19	12.5	1.2			15	21	25.2				
	13	22		20	12				16	23	26.2	5.8			
	16	27	20	25	15.5	1.5	4.5	10	20	28	30.15	6.85	2.5		
	20	30.5		27	15				22	32	34.65	7.35			
	25	38		31	14.5				26	40	48.15	10.85			
	30	43		34					29	45	52.4	11.6			

Not applicable to Linear Bushing Compact on P.318. For orders larger than indicated quantity, please request a quotation.

Example



- Stopper plates enable flexible design without regard to housing lengths.
- Stopper plates allow Linear Bushings and Shafts to be installed close to its end face.



- Stopper plate can be used to hold linear bushings in place.