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 EN 1.3505 Equiv. 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

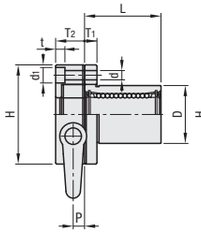
Left Lever, Double

RoHS10

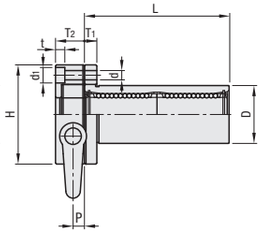
Type				Outer Cylinder			Balls	Retainer	Collar Holder		Collar / Lever Screw		Lever		Thread	Nut	Ambient Operating Temp.
Right Lever		Left Lever		M Material	H Hardness	S Surface Treatment	M Material	M Material	M Material	S Surface Treatment	M Material	S Surface Treatment	M Material	S Surface Treatment	M Material	M Material	
Single	Double	Single	Double														
LHRC	LHRCW	LHRLC	LHRLCW	EN 1.3505 Equiv.	58HRC~	-	EN 1.3505 Equiv.	Plastic (Duracon M90 Equiv.)	Aluminum Alloy	Clear Anodize	EN 1.1191 Equiv.	Electroless Nickel Plating	Zinc Diecast	Baked Paint	EN 1.4301 Equiv.	Stainless Steel (Stainless Steel)	-20~80°C

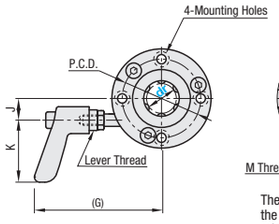
Right Lever

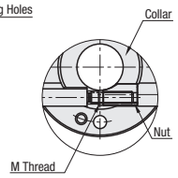
Single



Double



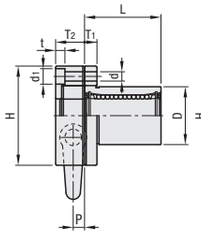




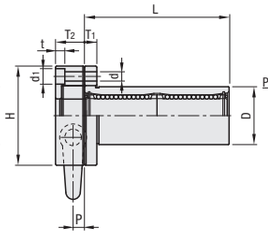
The linear shaft is clamped by the internal nut as the lever is rotated.

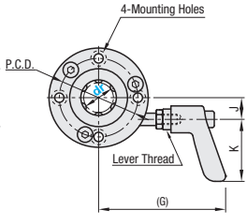
Left Lever

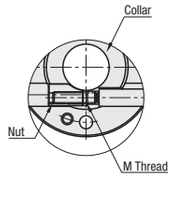
Single



Double







Part Number Type	dr	Tolerance Single	Tolerance Double	D Tolerance No Surface Treatment	L Single	L Single Tolerance	L Double	L Double Tolerance	H	T1	T2	d	d1	t	P.C.D.	(G)	J	K	P	M	Eccentricity Single	Eccentricity Double	* Perpendicularity Single	* Perpendicularity 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

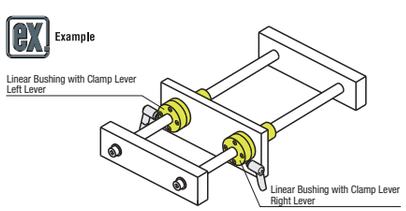
dr	Max. Thrust Load N Greased	Max. Thrust Load N Tightening Torque N・m	Basic Load Rating C (Dynamic) N Single	C (Dynamic) N Double	Co (Static) N Single	Co (Static) N Double	Allowable Static Moment (N・m) Single	Allowable Static Moment (N・m) Double	Mass (g) Single	Mass (g) Double	Unit Price LHRC / LHRLC	Unit Price LHRCW / 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.

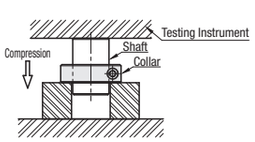
Example



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.



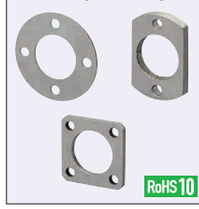
Ordering Example

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.

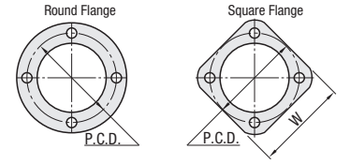
Features: Bushing position can be adjusted in axial direction when space is insufficient in thrust direction.

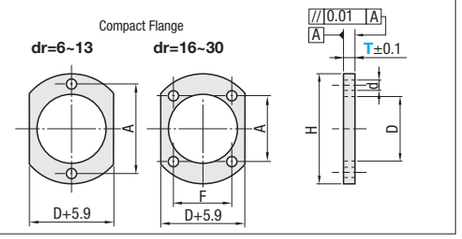
Height-adjusting Spacers for Flanged Bushings



RoHS10

Type Round Flange	Square Flange	Compact Flange	M Material
LCSR	LCSS	LCSC	EN 1.4301 Equiv.

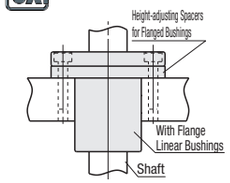




Part Number Type	Nominal	T Selection	D	Tolerance	d	H	P.C.D.	W	F	A	Unit Price Round Flange LCSR T1	T3	T5	Square Flange LCSS T1	T3	T5	Compact Flange LCSC T1	T3	T5
LCSR LCSS LCSC	6	1 3 5	12.1	+0.2 0	3.5	28	20	22	-	20									
	8		15.1			32	24	25	-	24									
	10		19.1		4.5	40	29	30	-	29									
	12		21.1			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

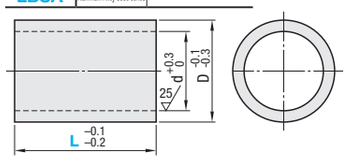
Part Number	-	T
LCSR12	-	5
LCSC25	-	3

Features: Spacers for Linear Bushing installation.

Spacers for Linear Bushings

RoHS10

Type	M Material	S Surface Treatment
LBS	EN 1.1191 Equiv.	Black Oxide
LBSA	Aluminum Alloy 5000 series	-



Ordering Example

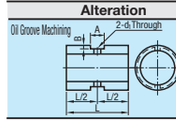
Part Number	-	L
LBSA12	-	55

Part Number Type	No.	L 1mm Increment	D	d	LBS Min. L ~ 40 Unit Price 1~9 pc(s).	Volume Discount Rate 10~30	L41~100 Unit Price 1~9 pc(s).	Volume Discount Rate 10~30	L101~150 Unit Price 1~9 pc(s).	Volume Discount Rate 10~30	LBSA Min. L ~ 40 Unit Price 1~9 pc(s).	Volume Discount Rate 10~30	L41~100 Unit Price 1~9 pc(s).	Volume Discount Rate 10~30	L101~150 Unit Price 1~9 pc(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

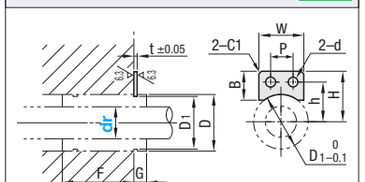
Alteration	Code	Spec.
Oil Groove Machining 	MC	Oil groove is added.

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

RoHS10



M Material: EN 1.4301 Equiv.

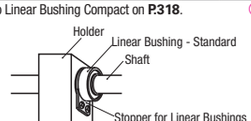
Ordering Example

Part Number
LMST16

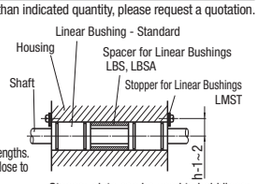
Part Number Type	dr	D1	W	H	B	t	d	P	h	D	F	G	Mass (g)	Unit Price 1~19 pc(s).	Volume Discount Rate 20~50
LMST	5	9.6	14	13	12	1.0	3.4	6	9	10	11.5	3.5	1.0		
	6	11.5		14	13				10	12	15.15	3.85			
	8	14.3	16	16	15	1.2		8	12	15	19.65	4.35	1.1		
	10	18		18	13				14	19	24.2	4.8			
	12	20		19	12.5				15	21	25.2				
	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.