


Linear Bushings (Wide Block with Clamp Lever)


Single Right / Single Left / Double Right / Double Left Lever Type

Linear Bushings (Wide Block with Clamp Lever)


Single Right Lever Type




Single Left Lever Type



Double Right Lever Type



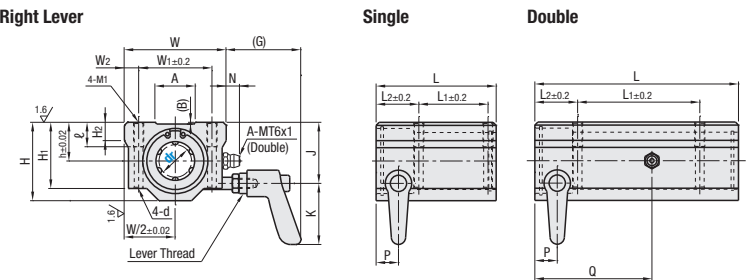
Double Left Lever Type



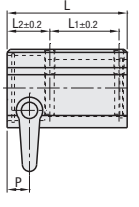
RoHS 10

Type				Linear Bushing (P.375)	Housing		Collar / Thread	Clamp used Lever (P.3192)	Lever		Lever Thread	Nut	Ambient Operating Temp.
Single, Right Lever		Single, Left Lever			Material	Surface Treatment			Material	Surface Treatment			
Single	Double	Single	Double	Material			Surface Treatment	Material			Surface Treatment	Material	Surface Treatment
LHBBC	LHBBWC	LHBLC	LHLWC	LMU	Aluminum Alloy	Clear Anodize Treatment	304 Stainless	CLFSC	Zinc Diecast	Baked Paint Finish	303 Stainless Steel	Stainless Steel (JIS SUS)	-20~80°C

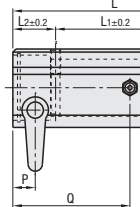
Right Lever



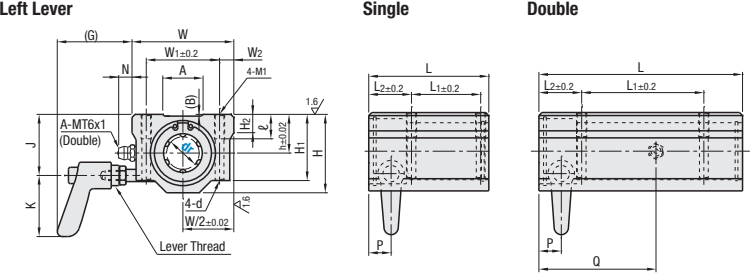
Single



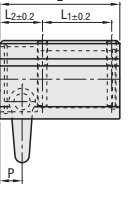
Double



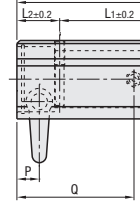
Left Lever



Single



Double



6.3 / (1.6 /) (Housing)

The Linear Shaft is clamped by locking the lever.

Ⓢ For ball row details see P.375.
Ⓢ The datum surface is located on the other side of product ID label.

Part Number	L	L ₁		L ₂		h	H	(H ₁)	(H ₂)	W	W ₁	W ₂	M ₁	M ₂	d	ℓ	(A)	(B)	(G)	J	K	P	N*	Q*	C	C ₁			
		Single	Double	Single	Double																						Single	Double	
LHBBC LHBLC LHBBWC LHLWC	16	0	0	59	100	34	60	21	21	19	38.5	32.5	9	50	36	7	M5	M4	4.3	12	19.8	0.85	36.7	30	11	6.5	57.5	6	1.5
		-0.009	-0.010	69	111	40	70	24	23	21	41	35	11	54	40	7	M6	M4	5.2	12	21	0.5	34.7	34	11.5	7.5	63	6	1.5
	20	0	0	85	148	50	100	26.5	27	26	51.5	42	12	76	54	11	M8	M5	7	18	36	1	33.7	42.5	30	4.5	83	9.5	1.5
		-0.010	-0.012	90	158	58	110	25	27	30	59.5	49	15	78	58	10	M8	M5	7	18	39.9	0.75	32.7	49	13.5	5.5	88	10.5	1.5

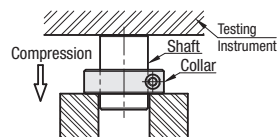
Ⓢ For Precautions for Use, see P.369. Ⓢ For linear bushings, hardened shafts with g6 tolerance are recommended. P.202-288 *Only available for Double Type. kgf=Nx0.101972
Ⓢ Make certain that the screws do not interfere with the bushing as M₁ are through holes. Ⓢ The datum surface is located on the other side of product ID label.

dr	Maximum Thrust Load N			Basic Load Rating				Mass(g)	
	Greased	Tightening Torque (N·m)	C (Dynamic) N	C (Dynamic) N		Co (Static) N			
				Single	Double	Single	Double	Single	Double
16	250	1.5	775	1230	1180	2350	358	538	
20	250	1.5	882	1400	1370	2740	420	725	
25	250	3	980	1560	1570	3140	865	1465	
30	500	3	1570	2490	2740	5490	1039	1784	

kgf=Nx0.101972

Maximum 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.

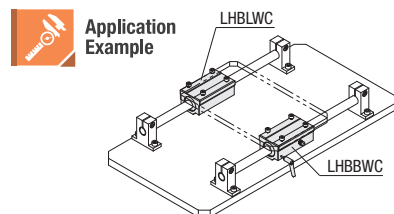
*Maximum thrust load of greased linear bushings was tested.



Part Number Example

Part Number	(L Type Greased)
LHBBC16	(L Type Greased)
LHBLC20L	(G Type Greased)
LHBBC16G	(H Type Greased)
LHBLC20H	(H Type Greased)

Ⓢ Alternative grease types available.




Flanged Linear Bushings (with Clamp Lever)


Single Right / Single Left / Double Right / Double Left Lever Type

Flanged Linear Bushings (with Clamp Lever)


Single Right Lever Type




Single Left Lever Type



Double Right Lever Type



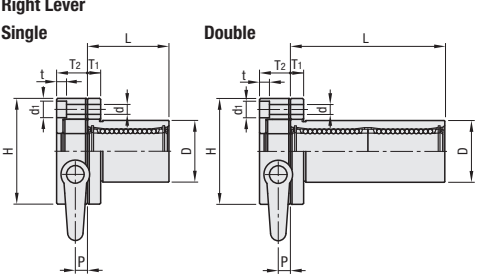
Double Left Lever Type



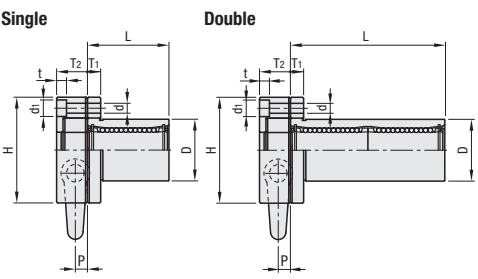
RoHS 10

Type				Outer Cylinder		Balls	Retainer	Collar Holder		Collar / Lever Screw		Lever	Thread	Nut	Ambient Operating Temp.		
Right Lever Type		Left Lever Type		Material	Hardness			Surface Treatment	Material	Surface Treatment	Material					Surface Treat.	
Single	Double	Single	Double			Material	Hardness					Surface Treatment	Material	Surface Treatment	Material		Surface Treat.
LHRC	LHRCW	LHRLC	LHRLCW	52100 Bearing Steel	58 HRC min.	—	52100 Bearing Steel	Plastic (Duracon M90 Equivalent)	Aluminum Alloy	Clear Anodize Treatment	1045 Carbon Steel Equivalent	Electroless Nickel Plating	Zinc Diecast	Baked Paint Finish	304 Stainless Steel or Equivalent	Stainless Steel (JIS SUS)	-20~80°C
LHRCM	LHRCWM	LHRLCM	LHRLCWM	52100 Bearing Steel	58 HRC min.	Electroless Nickel Plating	440C Stainless Steel Equivalent	—	Aluminum Alloy	Clear Anodize Treatment	1045 Carbon Steel Equivalent	Electroless Nickel Plating	Zinc Diecast	Baked Paint Finish	304 Stainless Steel or Equivalent	Stainless Steel (JIS SUS)	-20~80°C

Right Lever



Left Lever



The Linear Shaft is clamped by the internal nut as the lever is rotated.

Ⓢ For ball row details see P.375.

Part Number	Type	dr	D Tolerance		L		H	T ₁	T ₂	d	t	P.C.D. (G)	J	K	P	M	Eccentricity		Perpendicularity				
			No Surface Treatment	Surface Treatment	Single	Double											Single	Double	Single	Double			
			Single	Double	Tolerance	Tolerance											Single	Double	Single	Double			
LHRC LHRCW LHRCM LHRCWM LHRLC LHRLCW LHRLCM LHRLCWM	Single (Right Lever Type)	16	0	0	28	0	0	37	70	48	6	4.5	7.5	4.5	38	(62)	10.5	4	0.012	0.015	0.012	0.015	
		20	-0.009	-0.010	32	-0.016	-0.021	42	80	54	8	14	5.5	9	5.5	43	(63.2)	12.5	4	0.012	0.015	0.012	0.015
	Double (Left Lever Type)	25	0	0	40	0	0	59	112	62	8	14	6.6	11	6.1	60	(70.7)	16	5	0.015	0.020	0.015	0.020
		30	-0.010	-0.012	45	-0.019	-0.025	64	123	74	10	14	6.6	11	6.1	60	(73.5)	18.5	5	0.015	0.020	0.015	0.020

Ⓢ For Precautions for Use, see P.369. Ⓢ For linear bushings, hardened shafts with g6 tolerance are recommended. P.202-288 * 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)	
	Greased	Tightening Torque (N·m)	C (Dynamic) N	C (Dynamic) N		Co (Static) N		Single	Double	Single	Double
				Single	Double	Single	Double				
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	

Ⓢ Maximum thrust load 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.
- Do not use as a permanent safety position holding device. Use as an interim measure.

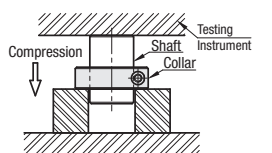
Part Number Example

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

Ⓢ Alternative grease types available.

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.



Application Example

