Tall Blocks Housing Units
Single / Compact

= 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: Compact: Max. 6mm lower in height (H dimension) and Max. 3mm smaller in width (W dimension) than Standard. (Standard and Compact Comparison ☞P.318)

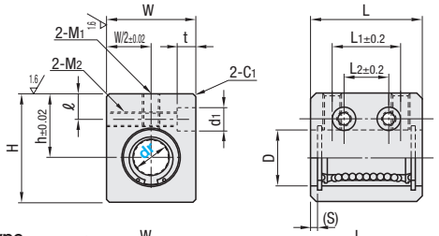
Industry Standard

Standard

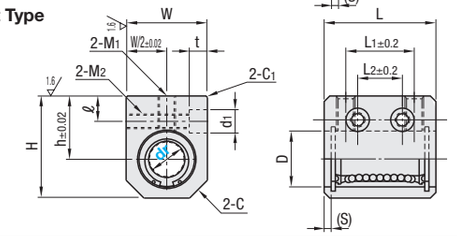
Compact

Type		Linear Bushing Used (☞P.315)	Linear Bushing Used (☞P.318)	Housing		Ambient Operating Temp.
Standard	Compact	Standard	Compact	M Material	S Surface Treatment	
LHSS	LHSSK	LMU	LMK	Aluminum Alloy	Clear Anodize	-20~ 80°C
LHSSF	-	LMUF	-			-20~110°C
SLHSS	-	SLMU	-			-20~ 80°C
SLHSSF	-	SLMUS	-			-20~110°C

Standard



Compact Type



6.3 / (1.6 /) (Housing)

dr	Tolerance	D Standard	D Compact	(S)	L	L1	L2	h Standard	h Compact	W Standard	W Compact	H Standard	H Compact	ℓ Standard	ℓ Compact	M1 (Effective Length) Standard	M1 (Effective Length) Compact	M2 (Effective Length) Standard	M2 (Effective Length) Compact	C	C1	d1xt
4	0 -0.008	8	-	1.1	15	-	10	10	-	12	-	16	-	3	-	M3 (6)	-	M3 (10.5)	-	-	0.5	4.2x1.5 (For M2 Screws)
5		10	-	4.0	25	16	7	13	-	15	-	20	-	5	-	M4 (8)	-	M4 (10)	-	-	1	6x5 (For M3 Screws)
(6)	0 -0.009	12	10	3.0	27	18	9	14	13	16	14	22	20		4		M4 (8)	M4 (11)	M4 (9)	4	1 or less	
(8)		15	13		32	20	10	16	15	20	17	26	24		5	M5 (8.5)	M5 (8.5)	M4 (15)	M4 (12)	5	1 or less	
(10)		19	17	4.0	39	27	15	19	18	26	23	32	30	6	6	M6 (9.5)	M6 (9.5)	M5 (20)	M5 (17)	6	1 or less	8x6 (For M4 Screws)
(12)		21	19		40			20	19	28	25	34	32					M5 (22)	M5 (19)		1 or less	
13		23	-		42	28	16	25	-	30	-	43	-	7	-	M6 (13)	-	M6 (23)	-	-	1	9x7 (For M5 Screws)
(16)		28	26	3.8	47	32	18	27	26	36	33	49	43		7		M6 (13)	M6 (29)	M6 (26)	8	1 or less	
20	0 -0.010	32	-		52	36		31	-	42	-	54	-	8	-	M8 (15)	-	M8 (34)	-	-	1	11x8 (For M6 Screws)
25		40	-	3.2	69	42	22	37	-	52	-	65	-	9	-	M10 (17)	-	M10 (42)	-	-	1	14x10 (For M8 Screws)
30		45	-		74	44		40	-	58	-	71	-		-	M10 (17.5)	-	M10 (48)	-	-	1	

For Precautions for Use, see ☞P.303. Only dr dimensions in ( ) are available for Compact. Make certain that the screws do not interfere with the bushing as M1 are through holes.
Standard dr4 has one M1 mounting hole only. The datum surface is located on the other side of product ID label.

Part Number Type	dr	Unit Price Standard LHSS	Standard LHSSF	Standard SLHSS	Standard SLHSSF	Compact LHSSK
(Standard) LHSS LHSSF SLHSS SLHSSF	4		-	-	-	-
	5					-
	6					
	8					
	10					
	12					
	13					-
(Compact) LHSSK	16					
	20					-
	25					-
	30					-

dr	Basic Load Rating C (Dynamic) N Standard	C (Dynamic) N Compact	Co (Static) N Standard	Co (Static) N Compact	Mass (g) Standard	Mass (g) Compact
4	88	-	127	-	8	-
5	167	-	206	-	18	-
6	206	131	265	155	22	17
8	265	235	380	277	40	32
10	372	368	549	433	80	67
12	412	381	598	449	90	80
13	510	-	608	-	132	-
16	775	608	1180	716	204	155
20	882	-	1370	-	272	-
25	980	-	1570	-	574	-
30	1570	-	2740	-	710	-

kgf=Nx0.101972

Ordering Example — Part Number: LHSS12
- LHSS12L (L Type Greased)
- LHSS12G (G Type Greased)
- LHSS12H (H Type Greased)

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

Tall Blocks Housing Units
Double / Compact

= 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: Compact: Max. 6mm lower in height (H dimension) and Max. 3mm smaller in width (W dimension) than Standard. (Standard and Compact Comparison ☞P.318)

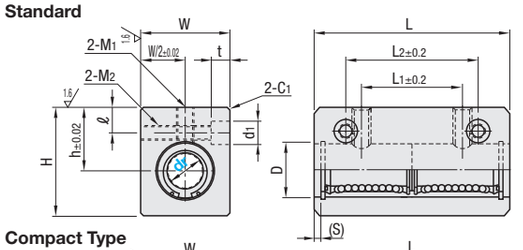
Industry Standard

Standard

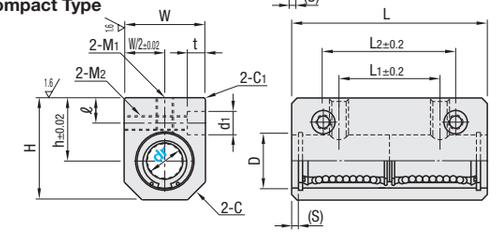
Compact

Type		Linear Bushing Used (☞P.315)	Linear Bushing Used (☞P.318)	Housing		Ambient Operating Temp.
Standard	Compact	Standard	Compact	M Material	S Surface Treatment	
LHSSW	LHSSKW	LMU	LMK	Aluminum Alloy	Clear Anodize	-20~ 80°C
LHSSWF	-	LMUF	-			-20~110°C
SLHSSW	-	SLMU	-			-20~ 80°C
SLHSSWF	-	SLMUS	-			-20~110°C

Standard



Compact Type



6.3 / (1.6 /) (Housing)

dr	Tolerance	D Standard	D Compact	(S)	L	L1	L2	h Standard	h Compact	W Standard	W Compact	H Standard	H Compact	ℓ Standard	ℓ Compact	M1 (Effective Length) Standard	M1 (Effective Length) Compact	M2 (Effective Length) Standard	M2 (Effective Length) Compact	C	C1	d1xt
4	0 -0.008	8	-	1.1	27	14	22	10	-	12	-	16	-	3	-	M3 (6)	-	M3 (10.5)	-	-	0.5	4.2x1.5 (For M2 Screws)
5		10	-	4.0	40	18	28	13	-	15	-	20	-	5	-	M4 (8)	-	M4 (10)	-	-	1	6x5 (For M3 Screws)
(6)	0 -0.010	12	10	3.0	46	20	30	14	13	16	14	22	20		4		M4 (8)	M4 (11)	M4 (9)	4	1 or less	
(8)		15	13		56	30	42	16	15	20	17	26	24		5	M5 (8.5)	M5 (8.5)	M4 (15)	M4 (12)	5	1 or less	
(10)		19	17	4.0	68	36	50	19	18	26	23	32	30	6	6	M6 (9.5)	M6 (9.5)	M5 (20)	M5 (17)	6	1 or less	8x6 (For M4 Screws)
(12)		21	19		70			20	19	28	25	34	32					M5 (22)	M5 (19)		1 or less	
13		23	-		74	42	55	25	-	30	-	43	-	7	-	M6 (13)	-	M6 (23)	-	-	1	9x7 (For M5 Screws)
(16)		28	26	3.8	84	52	65	27	26	36	33	49	43		7		M6 (13)	M6 (29)	M6 (26)	8	1 or less	
20	0 -0.012	32	-		94	58	70	31	-	42	-	54	-	8	-	M8 (15)	-	M8 (34)	-	-	1	11x8 (For M6 Screws)
25		40	-	3.2	128	80	100	37	-	52	-	65	-	9	-	M10 (17)	-	M10 (42)	-	-	1	14x10 (For M8 Screws)
30		45	-		138	90	110	40	-	58	-	71	-		-	M10 (17.5)	-	M10 (48)	-	-	1	

For Precautions for Use, see ☞P.303. Only dr dimensions in ( ) are available for Compact. 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.

Part Number Type	dr	Unit Price Standard LHSSW	Standard LHSSWF	Standard SLHSSW	Standard SLHSSWF	Compact LHSSKW
(Standard) LHSSW LHSSWF SLHSSW SLHSSWF	4		-	-	-	-
	5					-
	6					
	8					
	10					
	12					
	13					-
(Compact) LHSSKW	16					
	20					-
	25					-
	30					-

dr	Basic Load Rating C (Dynamic) N Standard	C (Dynamic) N Compact	Co (Static) N Standard	Co (Static) N Compact	Allowable Static Moment (N · m) Standard	Allowable Static Moment (N · m) Compact	Mass (g) Standard	Mass (g) Compact
4	176	-	254	-	0.63	-	14	-
5	263	-	412	-	1.38	-	35	-
6	324	206	529	309	2.18	2.46	40	34
8	431	383	784	555	4.31	5.76	75	60
10	588	585	1100	867	7.24	10.99	150	126
12	657	608	1200	899	10.9	11.85	168	150
13	813	-	1570	-	11.6	-	248	-
16	1230	965	2350	1431	19.7	23.48	383	296
20	1400	-	2740	-	26.8	-	520	
25	1560	-	3140	-	43.4	-	1120	-
30	2490	-	5490	-	82.8	-	1384	-

kgf=Nx0.101972

Ordering Example — Part Number: LHSSW12
- LHSSW12L (L Type Greased)
- LHSSW12G (G Type Greased)
- LHSSW12H (H Type Greased)

Alternative grease types available.
For Days to Ship, Price and Performance, see. ☞P304