

Flanged Linear Bushings

Long / Long, Pilot

= 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.

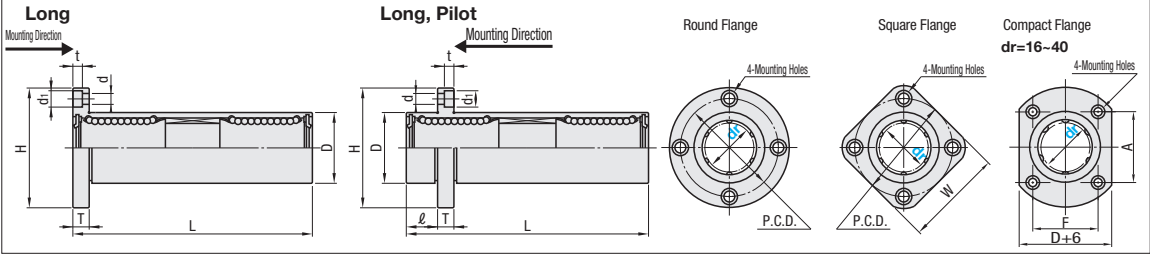
Features: Easy to assemble with bolt-on flanges. The linear bushing does not protrude out on the front side for good space utilization.

Industry Standard



RoHS10

	Type			Outer Cylinder Material	Outer Cylinder Hardness	Outer Cylinder Surface Treatment	Retainer			Ambient Operating Temp.	Accessory
	Round Flange	Square Flange	Compact Flange				Material	Material	Material		
Long	LHKRNL	LHKSNL	LHKCNL	SUJ2 Equivalent	58HRC~	-	Plastic (Duracon M90 Equivalent)	-20~ 80°C	Seal Material Nitrile Rubber (-20~120°C)		
	LHKRNL	LHKSNL	LHKCNL				Stainless Steel (SUS)	-20~110°C			
	LHKRNL	LHKSNL	LHKCNL				Electroless Nickel Plating	Plastic (Duracon M90 Equivalent)		-20~ 80°C	
	LHKRNL	LHKSNL	LHKCNL				Stainless Steel (SUS)	-20~110°C			
	LHKRNL	LHKSNL	LHKCNL				Stainless Steel (SUS)	-20~120°C			
Long, Pilot	LHKIRNL	LHKISNL	LHKICNL	SUJ2 Equivalent	58HRC~	-	Plastic (Duracon M90 Equivalent)	-20~ 80°C			
	LHKIRNL	LHKISNL	LHKICNL				Stainless Steel (SUS)	-20~110°C			
	LHKIRNL	LHKISNL	LHKICNL				Electroless Nickel Plating	Plastic (Duracon M90 Equivalent)		-20~ 80°C	
	LHKIRNL	LHKISNL	LHKICNL				Stainless Steel (SUS)	-20~110°C			
	LHKIRNL	LHKISNL	LHKICNL				Stainless Steel (SUS)	-20~120°C			



dr	Tolerance	D Tolerance		L	Tolerance	ℓ	H	T	d	dt	t	P.C.D.	W	F	A	Eccentricity	Rows of Balls	* Perpendicularity	Basic Load Rating			Allowable Static Moment (N·m)	Mass (g)		
		No Surface Treatment	Surface Treatment																C (Dynamic) N	Co (Static) N	Round Flange		Square Flange	Compact Flange	
6	0	15	0	49	±0.3	5	32	5	3.5	6	3.1	24	25	-	-	0.020	4	0.020	324	529	8.2	66	66	58	-
8	-0.012	19	0	68		6	40	6	4.5	7.5	4.1	29	30	-	-	0.025	5	0.025	431	784	16.0	135	117	-	
10		23	0	82		8	48	8	5.5	9	5.1	33	34	-	-	0.030	6	0.030	588	1100	27.0	205	189	-	
12		26	-0.016	86		10	46	10	6.6	11	6.1	36	35	-	-	0.030	6	0.030	657	1200	40.1	248	228	-	
13		28		92		13	48	13	9	14	8.1	38	37	-	-	0.030	6	0.030	813	1570	42.9	308	286	-	
16	-0.015	32	0	105		13	54	13	9	14	8.1	43	42	24	36	0.025	6	0.025	1230	2350	73.5	412	376	386	
20		40	0	120		13	62	13	9	14	8.1	51	50	32	40	0.025	6	0.025	1400	2740	98.0	752	714	724	
25		45	-0.019	167		13	74	13	9	14	8.1	60	58	35	49	0.025	6	0.025	1560	3140	157	1244	1163	1178	
30	-0.018	52	0	184		13	82	13	9	14	8.1	67	64	38	55	0.030	6	0.030	2490	5490	297	1636	1543	1567	
35	0	60		200		13	96	13	9	14	8.1	78	75	45	64	0.030	6	0.030	2650	6270	373	2580	2400	2433	
40	-0.021	65	-0.030	230		13	101	13	9	14	8.1	83	80	48	68	0.030	6	0.030	3430	8040	553	2950	2510	2798	

For Precautions for Use, see P.303

Mounting holes of long type are on the opposite direction. For Piloted and Flanged Type application examples, see P.307.

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

Part Number	Type	dr	Unit Price Long															
			Round Flange				Square Flange				Compact Flange							
(SUJ2 Equivalent) (SUS440C Equivalent)		6	LHKRNL	LHKRNL	LHKRNL	LHKRNL	LHKRNL	LHKRNL	LHKRNL	LHKRNL	LHKRNL	LHKRNL	LHKRNL	LHKRNL	LHKRNL	LHKRNL	LHKRNL	LHKRNL
(Round Flange)	LHKRNL	8	LHKRNL	LHKRNL	LHKRNL	LHKRNL	LHKRNL	LHKRNL	LHKRNL	LHKRNL	LHKRNL	LHKRNL	LHKRNL	LHKRNL	LHKRNL	LHKRNL	LHKRNL	LHKRNL
	LHKRNL	10	LHKRNL	LHKRNL	LHKRNL	LHKRNL	LHKRNL	LHKRNL	LHKRNL	LHKRNL	LHKRNL	LHKRNL	LHKRNL	LHKRNL	LHKRNL	LHKRNL	LHKRNL	LHKRNL
	LHKRNL	12	LHKRNL	LHKRNL	LHKRNL	LHKRNL	LHKRNL	LHKRNL	LHKRNL	LHKRNL	LHKRNL	LHKRNL	LHKRNL	LHKRNL	LHKRNL	LHKRNL	LHKRNL	LHKRNL
	LHKRNL	13	LHKRNL	LHKRNL	LHKRNL	LHKRNL	LHKRNL	LHKRNL	LHKRNL	LHKRNL	LHKRNL	LHKRNL	LHKRNL	LHKRNL	LHKRNL	LHKRNL	LHKRNL	LHKRNL
(Square Flange)	LHKSNL	16	LHKSNL	LHKSNL	LHKSNL	LHKSNL	LHKSNL	LHKSNL	LHKSNL	LHKSNL	LHKSNL	LHKSNL	LHKSNL	LHKSNL	LHKSNL	LHKSNL	LHKSNL	LHKSNL
	LHKSNL	20	LHKSNL	LHKSNL	LHKSNL	LHKSNL	LHKSNL	LHKSNL	LHKSNL	LHKSNL	LHKSNL	LHKSNL	LHKSNL	LHKSNL	LHKSNL	LHKSNL	LHKSNL	LHKSNL
	LHKSNL	25	LHKSNL	LHKSNL	LHKSNL	LHKSNL	LHKSNL	LHKSNL	LHKSNL	LHKSNL	LHKSNL	LHKSNL	LHKSNL	LHKSNL	LHKSNL	LHKSNL	LHKSNL	LHKSNL
	LHKSNL	30	LHKSNL	LHKSNL	LHKSNL	LHKSNL	LHKSNL	LHKSNL	LHKSNL	LHKSNL	LHKSNL	LHKSNL	LHKSNL	LHKSNL	LHKSNL	LHKSNL	LHKSNL	LHKSNL
(Compact Flange)	LHKCNL	35	LHKCNL	LHKCNL	LHKCNL	LHKCNL	LHKCNL	LHKCNL	LHKCNL	LHKCNL	LHKCNL	LHKCNL	LHKCNL	LHKCNL	LHKCNL	LHKCNL	LHKCNL	LHKCNL
	LHKCNL	40	LHKCNL	LHKCNL	LHKCNL	LHKCNL	LHKCNL	LHKCNL	LHKCNL	LHKCNL	LHKCNL	LHKCNL	LHKCNL	LHKCNL	LHKCNL	LHKCNL	LHKCNL	LHKCNL

Part Number	Type	dr	Unit Price Long with Pilot															
			Round Flange				Square Flange				Compact Flange							
(SUJ2 Equivalent) (SUS440C Equivalent)		6	LHKIRNL	LHKIRNL	LHKIRNL	LHKIRNL	LHKIRNL	LHKIRNL	LHKIRNL	LHKIRNL	LHKIRNL	LHKIRNL	LHKIRNL	LHKIRNL	LHKIRNL	LHKIRNL	LHKIRNL	LHKIRNL
(Round Flange)	LHKIRNL	8	LHKIRNL	LHKIRNL	LHKIRNL	LHKIRNL	LHKIRNL	LHKIRNL	LHKIRNL	LHKIRNL	LHKIRNL	LHKIRNL	LHKIRNL	LHKIRNL	LHKIRNL	LHKIRNL	LHKIRNL	LHKIRNL
	LHKIRNL	10	LHKIRNL	LHKIRNL	LHKIRNL	LHKIRNL	LHKIRNL	LHKIRNL	LHKIRNL	LHKIRNL	LHKIRNL	LHKIRNL	LHKIRNL	LHKIRNL	LHKIRNL	LHKIRNL	LHKIRNL	LHKIRNL
	LHKIRNL	12	LHKIRNL	LHKIRNL	LHKIRNL	LHKIRNL	LHKIRNL	LHKIRNL	LHKIRNL	LHKIRNL	LHKIRNL	LHKIRNL	LHKIRNL	LHKIRNL	LHKIRNL	LHKIRNL	LHKIRNL	LHKIRNL
	LHKIRNL	13	LHKIRNL	LHKIRNL	LHKIRNL	LHKIRNL	LHKIRNL	LHKIRNL	LHKIRNL	LHKIRNL	LHKIRNL	LHKIRNL	LHKIRNL	LHKIRNL	LHKIRNL	LHKIRNL	LHKIRNL	LHKIRNL
(Square Flange)	LHKISNL	16	LHKISNL	LHKISNL	LHKISNL	LHKISNL	LHKISNL	LHKISNL	LHKISNL	LHKISNL	LHKISNL	LHKISNL	LHKISNL	LHKISNL	LHKISNL	LHKISNL	LHKISNL	LHKISNL
	LHKISNL	20	LHKISNL	LHKISNL	LHKISNL	LHKISNL	LHKISNL	LHKISNL	LHKISNL	LHKISNL	LHKISNL	LHKISNL	LHKISNL	LHKISNL	LHKISNL	LHKISNL	LHKISNL	LHKISNL
	LHKISNL	25	LHKISNL	LHKISNL	LHKISNL	LHKISNL	LHKISNL	LHKISNL	LHKISNL	LHKISNL	LHKISNL	LHKISNL	LHKISNL	LHKISNL	LHKISNL	LHKISNL	LHKISNL	LHKISNL
	LHKISNL	30	LHKISNL	LHKISNL	LHKISNL	LHKISNL	LHKISNL	LHKISNL	LHKISNL	LHKISNL	LHKISNL	LHKISNL	LHKISNL	LHKISNL	LHKISNL	LHKISNL	LHKISNL	LHKISNL
(Compact Flange)	LHKICNL	35	LHKICNL	LHKICNL	LHKICNL	LHKICNL	LHKICNL	LHKICNL	LHKICNL	LHKICNL	LHKICNL	LHKICNL	LHKICNL	LHKICNL	LHKICNL	LHKICNL	LHKICNL	LHKICNL
	LHKICNL	40	LHKICNL	LHKICNL	LHKICNL	LHKICNL	LHKICNL	LHKICNL	LHKICNL	LHKICNL	LHKICNL	LHKICNL	LHKICNL	LHKICNL	LHKICNL	LHKICNL	LHKICNL	LHKICNL



Ordering Example Part Number

LHKRL8

LHKRL8L (L Type Greased)

LHKRL8G (G Type Greased)

LHKRL8H (H Type Greased)

Alternative grease types available.

For Days to Ship, Price and Performance, see P.304.