

Flanged Linear Bushings - Compact

Single / Double

■Feature: 4 to 5mm smaller in flange diameter (H Dimension) and 2mm smaller in O.D. (D dimension) than Standard Type. (Compact - Standard comparison chart [P.274](#))

Compact / Single RoHS10

Type			Outer Cylinder			Balls	Retainer	Ambient Operating Temp.	Accessory
Round Flange	Square Flange	Compact Flange	Material	Hardness	Surface Treatment	Material	Material	Temp.	Material
LHRK	LHSK	LHCK	SUJ2 Equivalent	58HRC~	-	SUJ2 Equivalent	Plastic (Duracon M90 Equivalent)	-20~80°C	Seal Material Nitrile Rubber (-20~120°C)
LHRKM	LHSKM	LHCKM	Electroless Nickel Plating			SUS440C Equivalent			

dr	D Tolerance	L Tolerance	H	T	d	d1	t	r	P.C.D.	W	F	A	Eccentricity	Balls Rows	Perpendicularity	Basic Load Rating			Mass (g)		
																C (Dynamic) N	Co (Static) N	Round Flange	Square Flange	Compact Flange	
6	0	±0.3	25	5	3.5	6	3.1	3	19	20	-	19	0.012	6	0.012	131	155	18	14	15	
8	0	±0.3	28	5	3.5	6	3.1	3	22	23	-	22	0.012	6	0.012	235	277	27	22	24	
10	-0.009	±0.3	35	6	4.5	7.5	4.1	3.75	27	27	-	27	0.012	6	0.012	368	433	52	41	46	
12	0	±0.3	38	6	4.5	7.5	4.1	3.75	30	29	-	30	0.012	6	0.012	381	449	64	50	55	
16	0	±0.3	44	6	4.5	7.5	4.1	3.75	36	34	24	27	0.012	6	0.012	608	716	96	77	83	

For Precautions for Use, see [P.266](#) * Perpendicularity of D part to flange mounting surface kgf=Nx0.101972

■Feature: 4 to 5mm smaller in flange diameter (H Dimension) and 2mm smaller in O.D. (D dimension) than Standard Type. (Compact - Standard comparison chart [P.274](#))

Compact / Double RoHS10

Type			Outer Cylinder			Balls	Retainer	Ambient Operating Temp.	Accessory
Round Flange	Square Flange	Compact Flange	Material	Hardness	Surface Treatment	Material	Material	Temp.	Material
LHRKW	LHSKW	LHCKW	SUJ2 Equivalent	58HRC~	-	SUJ2 Equivalent	Plastic (Duracon M90 Equivalent)	-20~80°C	Seal Material Nitrile Rubber (-20~120°C)
LHRKWM	LHSKWM	LHCKWM	Electroless Nickel Plating			SUS440C EQUIVALENT			

dr	D Tolerance	L Tolerance	H	T	d	d1	t	r	P.C.D.	W	F	A	Eccentricity	Balls Rows	Perpendicularity	Basic Load Rating			Allowable Static Moment (N·m)	Mass (g)		
																C (Dynamic) N	Co (Static) N	Round Flange		Square Flange	Compact Flange	
6	0	±0.3	25	5	3.5	6	3.1	3	19	20	-	19	0.015	6	0.015	206	309	2.46	24	20	21	
8	0	±0.3	28	5	3.5	6	3.1	3	22	23	-	22	0.015	6	0.015	383	555	5.76	38	34	35	
10	-0.01	±0.3	35	6	4.5	7.5	4.1	3.75	27	27	-	27	0.015	6	0.015	585	867	10.99	79	68	73	
12	0	±0.3	38	6	4.5	7.5	4.1	3.75	30	29	-	30	0.015	6	0.015	608	899	11.85	95	82	87	
16	0	±0.3	44	6	4.5	7.5	4.1	3.75	36	34	24	27	0.015	6	0.015	965	1431	23.48	154	135	141	

For Precautions for Use, see [P.266](#) * Perpendicularity of D part to flange mounting surface kgf=Nx0.101972

Part Number

- LHRK12 (L Type Greased)
 - LHRK12L (G Type Greased)
 - LHRK12G (H Type Greased)
 - LHRK12H (H Type Greased)
- Alternative grease types available.
For Days to Ship, Price and Performance, see [P.266](#)

Flanged Linear Bushings - Compact

Single, Piloted / Double, Piloted

■Feature: 4 to 5mm smaller in flange diameter (H Dimension) and 2mm smaller in O.D. (D dimension) than Standard Type. (Compact - Standard comparison chart [P.274](#))

Compact / Piloted Single

Type			Outer Cylinder			Balls	Retainer	Ambient Operating Temp.	Accessory
Round Flange	Square Flange	Compact Flange	Material	Hardness	Surface Treatment	Material	Material	Temp.	Material
LHIRK	LHISK	LHICK	SUJ2 Equivalent	58HRC~	-	SUJ2 Equivalent	Plastic (Duracon M90 Equivalent)	-20~80°C	Seal Material Nitrile Rubber (-20~120°C)

For Piloted and Flanged Type application examples, see [P.279](#)

dr	D Tolerance	L Tolerance	H	T	d	d1	t	r	P.C.D.	W	F	A	Eccentricity	Balls Rows	Perpendicularity	Basic Load Rating			Mass (g)		
																C (Dynamic) N	Co (Static) N	Round Flange	Square Flange	Compact Flange	
6	0	±0.3	25	5	3.5	6	3.1	3	19	20	-	19	0.012	6	0.012	131	155	18	14	15	
8	0	±0.3	28	5	3.5	6	3.1	3	22	23	-	22	0.012	6	0.012	235	277	27	22	24	
10	-0.009	±0.3	35	6	4.5	7.5	4.1	3.75	27	27	-	27	0.012	6	0.012	368	433	52	41	46	
12	0	±0.3	38	6	4.5	7.5	4.1	3.75	30	29	-	30	0.012	6	0.012	381	449	64	50	55	
16	0	±0.3	44	6	4.5	7.5	4.1	3.75	36	34	24	27	0.012	6	0.012	608	716	96	77	83	

For Precautions for Use, see [P.266](#) * Perpendicularity of D part to flange mounting surface kgf=Nx0.101972

■Feature: 4 to 5mm smaller in flange diameter (H Dimension) and 2mm smaller in O.D. (D dimension) than Standard Type. (Compact - Standard comparison chart [P.274](#))

Compact / Piloted Double

Type			Outer Cylinder			Balls	Retainer	Ambient Operating Temp.	Accessory
Round Flange	Square Flange	Compact Flange	Material	Hardness	Surface Treatment	Material	Material	Temp.	Material
LHIRKW	LHISKW	LHICKW	SUJ2 Equivalent	58HRC~	-	SUJ2 Equivalent	Plastic (Duracon M90 Equivalent)	-20~80°C	Seal Material Nitrile Rubber (-20~120°C)

For Piloted and Flanged Type application examples, see [P.279](#)

dr	D Tolerance	L Tolerance	H	T	d	d1	t	r	P.C.D.	W	F	A	Eccentricity	Balls Rows	Perpendicularity	Basic Load Rating			Allowable Static Moment (N·m)	Mass (g)		
																C (Dynamic) N	Co (Static) N	Round Flange		Square Flange	Compact Flange	
6	0	±0.3	25	5	3.5	6	3.1	3	19	20	-	19	0.015	6	0.015	206	309	2.46	24	20	21	
8	0	±0.3	28	5	3.5	6	3.1	3	22	23	-	22	0.015	6	0.015	383	555	5.76	38	34	35	
10	-0.010	±0.3	35	6	4.5	7.5	4.1	3.75	27	27	-	27	0.015	6	0.015	585	867	10.99	79	68	73	
12	0	±0.3	38	6	4.5	7.5	4.1	3.75	30	29	-	30	0.015	6	0.015	608	899	11.85	95	82	87	
16	0	±0.3	44	6	4.5	7.5	4.1	3.75	36	34	24	27	0.015	6	0.015	965	1431	23.48	154	135	141	

For Precautions for Use, see [P.266](#) * Perpendicularity of D part to flange mounting surface kgf=Nx0.101972



Part Number

- LHIRKW12 (L Type Greased)
 - LHIRKW12L (G Type Greased)
 - LHIRKW12G (H Type Greased)
 - LHIRKW12H (H Type Greased)
- Alternative grease types available.
For Days to Ship, Price and Performance, see [P.266](#)