

Flanged Linear Bushing Standard Type

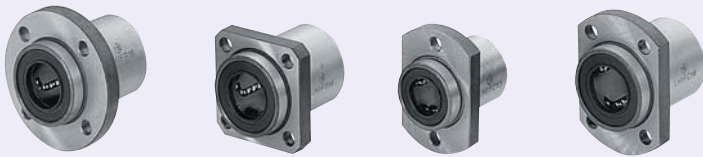
-Single with Pilot-

Price Reduction

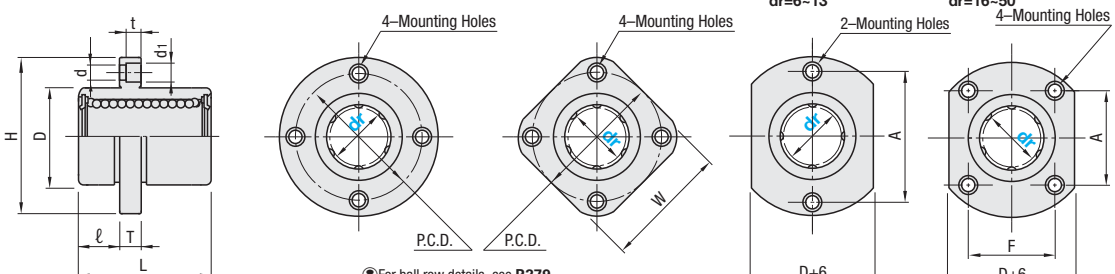
CAD Data

Flange Type Height-adjusting Spacers can be select from P.288

RoHS10



Type	Outer Cylinder	Steel balls	Retainer	Ambient Operating Temp.	Accessory				
Round Flange	LHIFR	LHIFR	LHIFC	1.3505/100Cr6	58HRC~	1.3505/100Cr6	Plastic (Duracon M90 equivalent)	-20~80°C	Seals Material Nitrile Rubber (-20 ~120°C)
Square Flange	LHIFRM	LHIFRM	LHIFCM	1.4125/105CrMo17	56HRC~	1.4125/105CrMo17	Plastic (Duracon M90 equivalent)	-20~110°C	
Compact Flange	LHIFRMF	LHIFRMF	LHIFCMF	1.4125/105CrMo17	56HRC~	1.4125/105CrMo17	Plastic (Duracon M90 equivalent)	-20~110°C	
	SLHIFR	SLHIFR	SLHIFC	1.4125/105CrMo17	56HRC~	1.4125/105CrMo17	Plastic (Duracon M90 equivalent)	-20~80°C	
	SLHIFRS	SLHIFRS	SLHIFCS	1.4125/105CrMo17	56HRC~	1.4125/105CrMo17	Plastic (Duracon M90 equivalent)	-20~120°C	



For ball row details, see P.279

dr	Tolerance	D Tolerance	Surface Treatment	Surface Treatment Yes	L Tolerance	ℓ	H	T	d	t	r	P.C.D.	W	F	A	Eccentricity	Perpendicularity	Basic Load Rating	Mass(g)
6	0	12	0	0	19	5	28	5	3.5	6	3.1	20	22	-	20	0.012	0.012	206	265
8	0	15	-0.013	-0.018	24	6	32	5	4.5	7.5	4.1	24	25	-	24	0.015	0.015	265	380
10	-0.009	19	0	0	29	8	40	6	6	11	6.1	29	30	-	29	0.020	0.020	372	549
12	-0.009	21	0	0	30	10	42	8	8	14	8.1	32	32	-	32	0.025	0.025	412	598
13	-0.009	23	-0.016	-0.021	32	11	43	9	9	15	9.1	33	34	-	33	0.030	0.030	510	784
16	-0.009	28	0	0	37	13	48	11	11	17	11.1	38	37	22	31	0.040	0.040	775	1180
20	0	32	0	0	42	15	54	13	13	19	13.1	43	42	24	36	0.050	0.050	882	1370
25	0	40	0	0	59	18	62	16	16	22	16.1	51	50	32	40	0.060	0.060	980	1570
30	0.010	45	-0.019	-0.025	64	20	74	18	18	25	18.1	60	58	35	49	0.070	0.070	1570	2740
35	0	52	0	0	70	22	82	20	20	28	20.1	67	64	38	55	0.080	0.080	1670	3140
40	0	60	-0.022	-0.030	80	25	96	22	22	31	22.1	78	75	45	64	0.100	0.100	2160	4020
50	0.012	80	0	0	100	30	116	25	25	38	25.1	98	92	56	80	0.120	0.120	3820	7940

For linear bushings, hardened shafts with g6 tolerance are recommended. P.107~195

Quantity	1~19	20~34	35~49	50~99
Rate	€ Unit Price	5%	10%	18%
Days to Ship	Standard	Quotation	Quotation	Quotation

dr	Round Flange	Square Flange	Compact Flange
6	LHIFR	LHIFRM	LHIFCM
8	LHIFR	LHIFRM	LHIFCM
10	LHIFR	LHIFRM	LHIFCM
12	LHIFR	LHIFRM	LHIFCM
13	LHIFR	LHIFRM	LHIFCM
16	LHIFR	LHIFRM	LHIFCM
20	LHIFR	LHIFRM	LHIFCM
25	LHIFR	LHIFRM	LHIFCM
30	LHIFR	LHIFRM	LHIFCM
35	LHIFR	LHIFRM	LHIFCM
40	LHIFR	LHIFRM	LHIFCM
50	LHIFR	LHIFRM	LHIFCM

Order Example

Part Number

LHIFR20

LHIFR20L (L Type Greased)

LHIFR20G (G Type Greased)

LHIFR20H (H Type Greased)

Alternative grease types available.

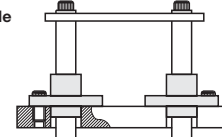
For Days to Ship, Price and Performance, refer to P.272

Days to Ship

6 Days

2 Days

Example





Flanged Linear Bushing Compact / With Female Thread Holes

-Single with Pilot-

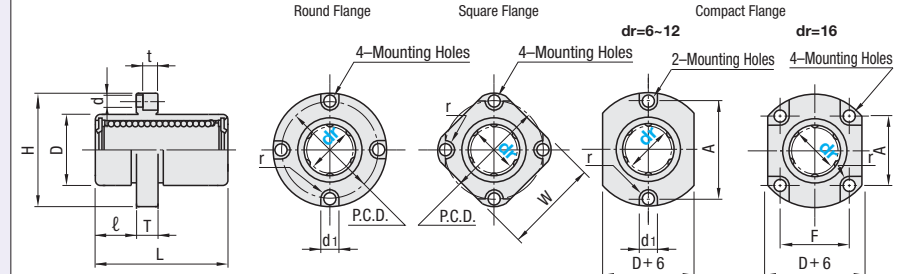
CAD Data

Features: 4 to 5mm smaller in flange diameter (H Dimension) and 2mm smaller in outer diameter (D dimension) than Standard Type. Standard and Compact Comparison P.280

Compact Type



Type	Outer Cylinder	Steel balls	Retainer	Ambient Operating Temp.	Accessory				
Round Flange	LHIFR	LHIFR	LHIFC	1.3505/100Cr6	58HRC~	1.3505/100Cr6	Plastic (Duracon M90 equivalent)	-20~80°C	Seal Material Nitrile Rubber (-20 ~120°C)
Square Flange	LHIFRM	LHIFRM	LHIFCM	1.4125/105CrMo17	56HRC~	1.4125/105CrMo17	Plastic (Duracon M90 equivalent)	-20~110°C	
Compact Flange	LHIFRMF	LHIFRMF	LHIFCMF	1.4125/105CrMo17	56HRC~	1.4125/105CrMo17	Plastic (Duracon M90 equivalent)	-20~110°C	
	SLHIFR	SLHIFR	SLHIFC	1.4125/105CrMo17	56HRC~	1.4125/105CrMo17	Plastic (Duracon M90 equivalent)	-20~80°C	
	SLHIFRS	SLHIFRS	SLHIFCS	1.4125/105CrMo17	56HRC~	1.4125/105CrMo17	Plastic (Duracon M90 equivalent)	-20~120°C	



For ball row details, see P.280

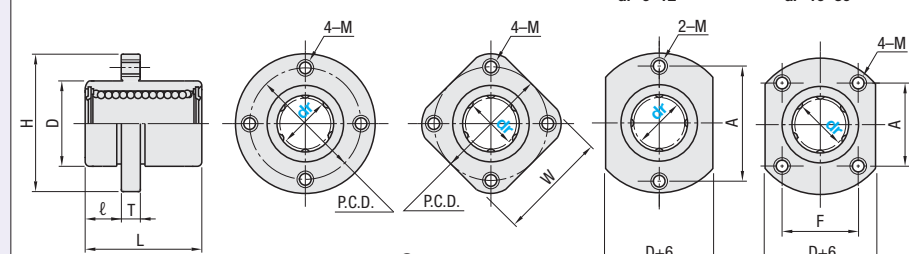
For linear bushings, hardened shafts with g6 tolerance are recommended. P.107~195

Features: (1) Cost for tapping can be reduced. (2) Effective for connecting soft materials (3) Can be screw tightened from above.

Female Thread Type



Type	Outer Cylinder	Steel balls	Retainer	Ambient Operating Temp.	Accessory				
Round Flange	LHIFR	LHIFR	LHIFC	1.3505/100Cr6	58HRC~	1.3505/100Cr6	Plastic (Duracon M90 equivalent)	-20~80°C	Seal Material Nitrile Rubber (-20 ~120°C)
Square Flange	LHIFRM	LHIFRM	LHIFCM	1.4125/105CrMo17	56HRC~	1.4125/105CrMo17	Plastic (Duracon M90 equivalent)	-20~110°C	
Compact Flange	LHIFRMF	LHIFRMF	LHIFCMF	1.4125/105CrMo17	56HRC~	1.4125/105CrMo17	Plastic (Duracon M90 equivalent)	-20~110°C	
	SLHIFR	SLHIFR	SLHIFC	1.4125/105CrMo17	56HRC~	1.4125/105CrMo17	Plastic (Duracon M90 equivalent)	-20~80°C	
	SLHIFRS	SLHIFRS	SLHIFCS	1.4125/105CrMo17	56HRC~	1.4125/105CrMo17	Plastic (Duracon M90 equivalent)	-20~120°C	



For ball row details, see P.279

dr		D		L		ℓ	H	T	M	P.C.D.	W	F	A	Eccentricity	* Perpendicularity	Basic Load Rating		Mass(g)		
Tolerance		Tolerance		Tolerance												C (Dynamic) N	Co (Static) N	Round Flange	Square Flange	Compact Flange
6	0 -0.009	12	0	19	±0.3	5	28	5	M3	20	22	-	20	0.012	0.012	206	265	24	18	21
8		15	-0.013	24		6	32	6		24	25	-	24			265	380	37	29	33
10		19	0	29		6	40	6		29	30	-	29			372	549	72	52	64
12		21	-0.016	30		6	42	6	M4	32	32	-	32			412	598	76	57	68
16		28		37		6	48	6		38	37	22	31			775	1180	120	104	112
20	0 -0.010	32	0	42	±0.3	8	54	8	M5	43	42	24	36	0.015	0.015	882	1370	180	145	167
25		40	-0.019	59		10	62	10		51	50	32	40			980	1570	340	300	325
30		45		64		10	74	10	M6	60	58	35	49			1570	2740	470	375	388

For linear bushings, hardened shafts with g6 tolerance are recommended. P.107~195

Quantity	1~19	20~34	35~49
Rate	€ Unit Price	5%	10%
Days to Ship	Standard	Quotation	Quotation

Order Example

Part Number

LHIFR12

LHIFR12L (L Type Greased)

LHIFR12G (G Type Greased)

LHIFR12H (H Type Greased)

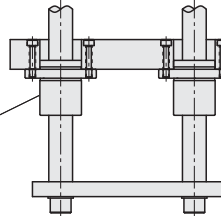
Alternative grease types available.

For Days to Ship, Price and Performance, refer to P.272

Days to Ship

6 Days

Example



Alternative grease types available. For Days to Ship, Price and Performance, refer to P.272