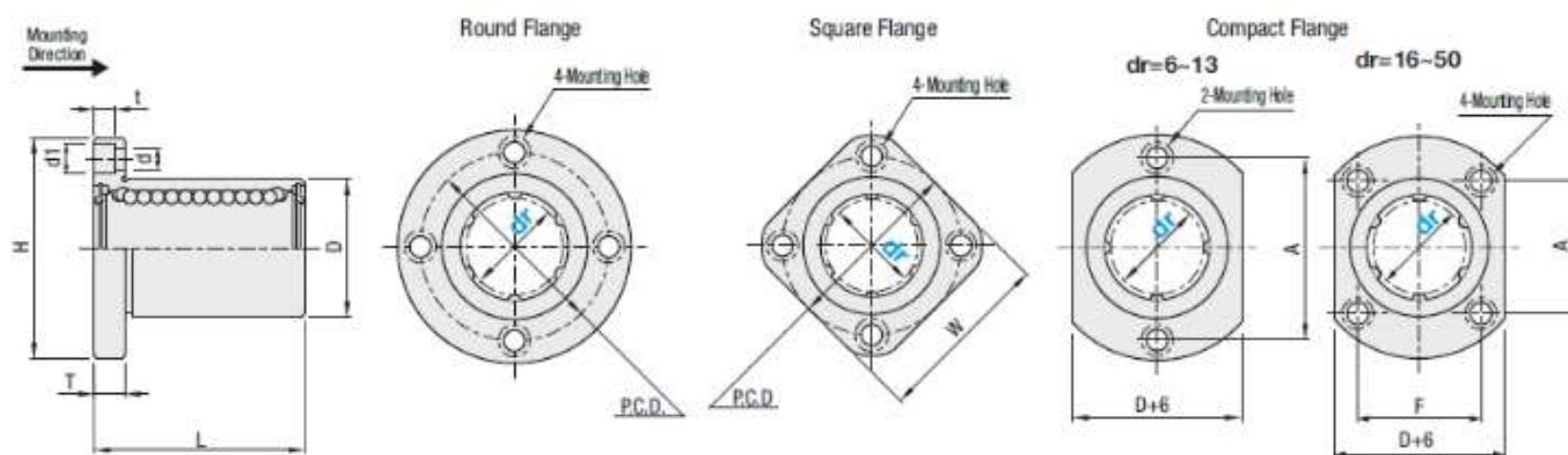


Technical Drawing - Linear Ball Bushings



Basic Properties (e.g., material, hardness, coating, tolerance) - Linear Ball Bushings

TYPE			Outer Cylinder		Balls	Retainer	Ambient Operating Temp.	Accessory
Round Flange	Square Flange	Compact Flange	Material	Hardness	Material	Material		
C-LHFR	C-LHFS	C-LHFC	EN 1.3505 Equiv.	58HRC~	EN 1.3505 Equiv.	Plastic	-20~80°C	Seal Material; Nitrile Rubber

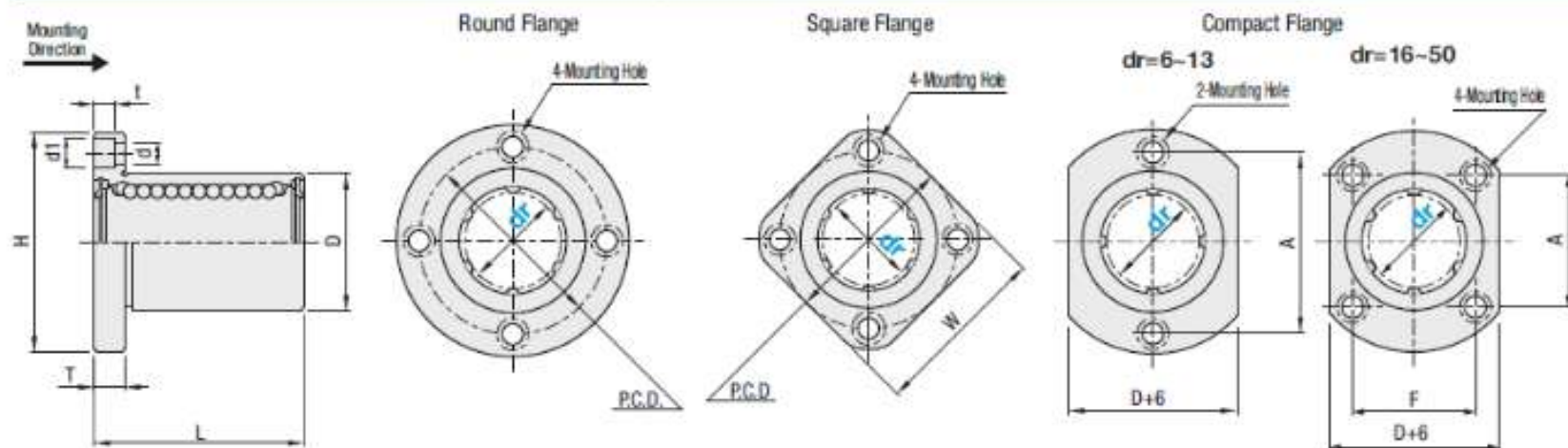
Further specifications can be found under the tab **More Information**.

Details on lubricants can be found in the catalog on [p. 304](#)

Composition of a Product Code - Linear Ball Bushings

Part Number

C-LHFC8



Specification Tables - Linear Ball Bushings

Part Number			Outer Dia.: D		Overall Length: L		H	T	d	d ₁	t	P.C.D.	W	F	A	Eccentricity	Rows of Balls	Perpendicularity	Mass (g)		
TYPE	dr	Tolerance		Tolerance		Tolerance													Round Flange	Square Flange	Compact Flange
C-LHFR C-LHFS C-LHFC	6	+0.003 -0.012	12	+0.006 -0.015	19	±0.6	28	5	3.5	6	3.1	20	22	-	20	0.024	4	0.024	24	18	21
	8		15		24		32					24	25	-	24				37	29	33
	10		19		29		40					29	30	-	29				72	52	64
	12	+0.006 -0.018	21	+0.006 -0.018	30		42	6	4.5	7.5	4.1	32	32	-	32				76	57	68
	13		23		32		43					33	34	-	33				88	72	81
	16		28		37		48					38	37	22	31				120	104	112
	20	+0.003 -0.013	32	+0.006 -0.021	42		54	8	5.5	9	5.1	43	42	24	36	0.030	5	0.030	180	145	167
	25		40		59		62					51	50	32	40				340	300	325
	30		45		64		74					60	58	35	49				470	375	388
	35	+0.003 -0.015	52	+0.006 -0.024	70		82	10	6.6	11	6.1	67	64	38	55	0.040	6	0.040	650	560	575
	40		60		80		96					78	75	45	64				1060	880	913
	50		80		100		116					98	92	56	80				2200	2000	2037

kgf=Nx0.101972

For shaft/housing tolerances, see the "Recommended Tolerance of Shaft Dia. / Housing Dia." table.