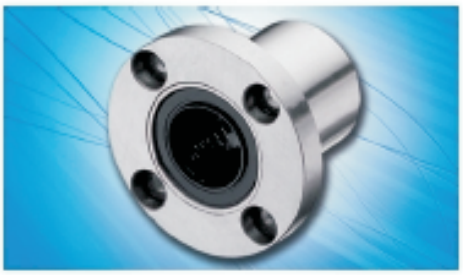
Standard flanged ball bushings (round)



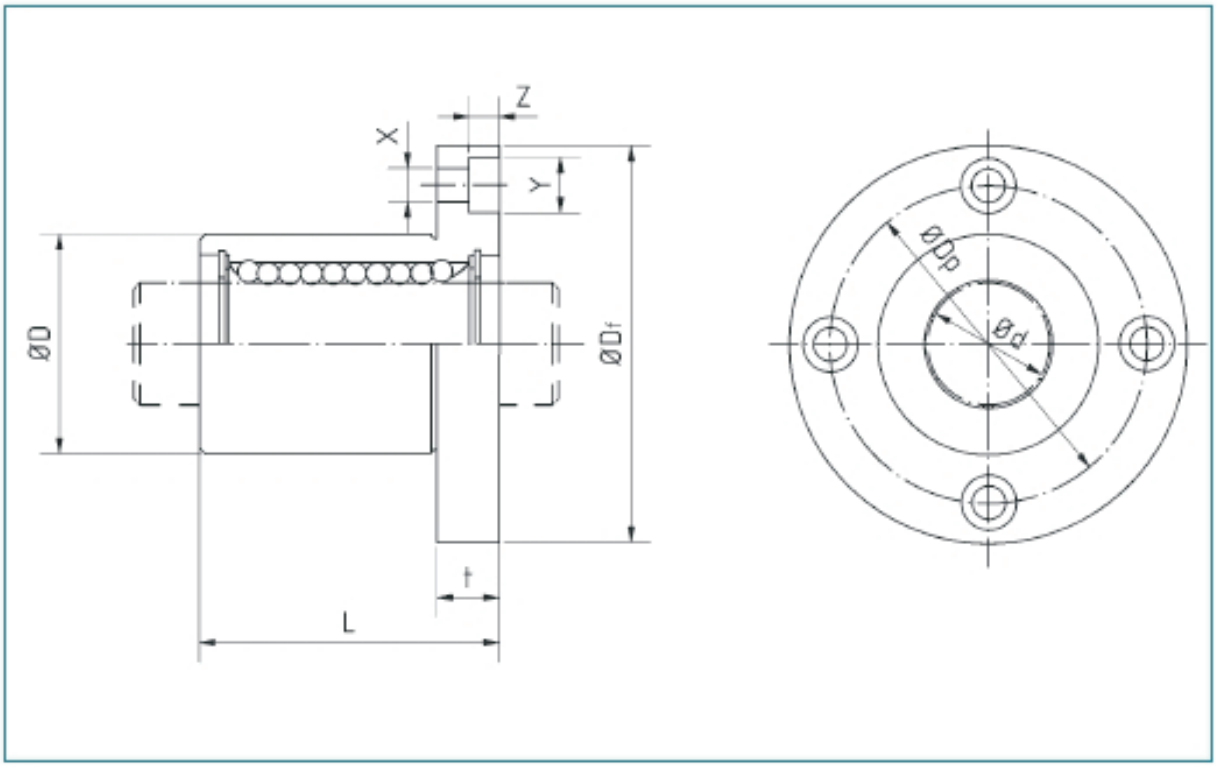
Flanged ball bushings of the BBER series represent a useful addition to the standard ball bushings.

They offer the following advantages:
- The integrated flange design enables a more efficient arrangement of the housing or mounting holes.
- The flanged ball bushings are economical, because fewer components are required and altogether the installation is easier.
- The replacement of the ball bushings is easier.

The standard ball bushings can be supplied from stock, with two wiper seals. The required seals are to be included when ordering.

Examples of order reference for a ball bushings with single-sided seal: BBER12U, BBER12AU
Examples of order reference for a ball bushings with double-sided seal: BBER12UU, BBER12AUU

Order reference				Dimensions [mm]								
Standard		Corrosion-resistant		Ød	Tole-rance	ØD	Tole-rance	L	Tole-rance	ØDf	t	ØDp
Plastic cage	Steel cage	Plastic cage	Stainless steel cage									
BBER5	–	BBERS5	–	5	+0,008 0	12	0 -0,013	22	±0,3	28	5	20
BBER8	BBER8A	BBERS8	BBERS8A	8		16		25		32	5	24
BBER12	BBER12A	BBERS12	BBERS12A	12		22	1 -0,016	32		42	6	32
BBER16	BBER16A	BBERS16	BBERS16A	16	+0,009 -0,001	26		36		46	6	36
BBER20	BBER20A	BBERS20	BBERS20A	20		32	0 -0,019	45		54	8	43
BBER25	BBER25A	BBERS25	BBERS25A	25	+0,011 -0,001	40		58		62	8	51
BBER30	BBER30A	BBERS30	BBERS30A	30		47		68		76	10	62
BBER40	BBER40A	BBERS40	BBERS40A	40	+0,013 -0,002	62	0 -0,022	80		98	13	80
BBER50	BBER50A	BBERS50	BBERS50A	50		75		100		112	13	94
BBER60	BBER60A	BBERS60	BBERS60A	60		90	0 -0,025	125		134	18	112
–	BBER80A	–	–	80	+0,016 -0,004	120		165		164	18	142



Dimensions [mm]			Rows of balls	max. eccentricity [µm]	Angular deviation [µm]	dynamic load rating [N]	static load rating [N]	Weight [g]	Order reference			
									Standard		Corrosion-resistant	
X	Y	Z							Plastic cage	Steel cage	Plastic cage	Stainless steel cage
3,5	6	3,1	4	12	12	206	265	26	BBER5	–	BBERS5	–
3,5	6	3,1	4			265	402	41	BBER8	BBER8A	BBERS8	BBERS8A
4,5	7,5	4,1	4			510	784	80	BBER12	BBER12A	BBERS12	BBERS12A
4,5	7,5	4,1	4			578	892	103	BBER16	BBER16A	BBERS16	BBERS16A
5,5	9	5,1	5	15	15	862	1 370	182	BBER20	BBER20A	BBERS20	BBERS20A
5,5	9	5,1	6			980	1 570	335	BBER25	BBER25A	BBERS25	BBERS25A
6,6	11	6,1	6			1 570	2 740	560	BBER30	BBER30A	BBERS30	BBERS30A
9	14	8,1	6	17	17	2 160	4 020	1 175	BBER40	BBER40A	BBERS40	BBERS40A
9	14	8,1	6			3 820	7 940	1 745	BBER50	BBER50A	BBERS50	BBERS50A
11	17	11,1	6	20	20	4 700	9 800	3 220	BBER60	BBER60A	BBERS60	BBERS60A
11	17	11,1	6			7 350	16 000	6 420	–	BBER80A	–	–

The indicated load ratings are applicable in cases where the load only applies to one row of balls. If, however, the force is shared between two rows of balls, the load capacity is increased by the following factor (refer to table on page 73).