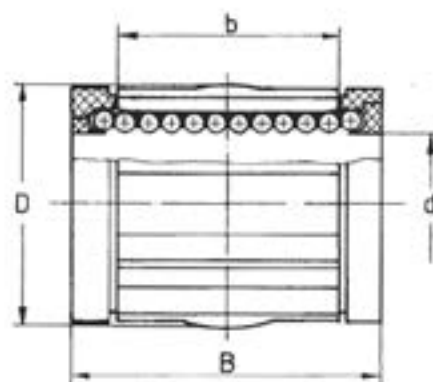
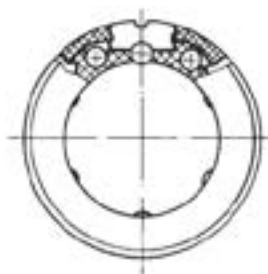


# SUPER BALL BUSHINGS

These ball bushings have the same boundary dimensions as the standard ball bushings and are usually interchangeable. The additional ball circuits enable higher load capacities.

Super ball bushings offer the advantage of being able to correct slight errors in alignment. The outer diameter varies along the length making them slightly barrel shaped. It is this shaping that enables it to self align.

The self alignment feature also means that there is no reduction in load capacity due to pressure between the bushing edge and the shaft. The ball tracks are ground and consequently the bushes run smoothly. Speeds of up to 3m/s are possible.



PART (2 seals)	d	D	B	b	Ball Circuits	Load C (N)	Load C <sub>0</sub> (N)	Weight (kg)	Circlip Size
SK70-208	8	16	25	14.2	4	423	534	0.007	16x1
SK70-210	10	19	29	19	5	750	930	0.014	18x1.2
SK70-212	12	22	32	20	5	1020	1290	0.021	22x1.2
SK70-216	16	26	36	22	5	1250	1550	0.043	27x1.2
SK70-220	20	32	45	28	6	2090	2630	0.058	33x1.5
SK70-225	25	40	58	40	6	3780	4720	0.123	42x1.75
SK70-230	30	47	68	48	6	5470	6810	0.216	48x1.75
SK70-240	40	62	80	56	6	6590	8230	0.333	62x2
SK70-250	50	75	100	72	6	10800	13500	0.618	75x2.5

The load capacity listed in the above table is only valid if the direction of the load is acting directly on the ball race. If the direction of load is acting between two ball races the load rating is multiplied by the factor f.  
For size 8  $f = 1.41$ , for sizes 12 & 16  $f = 1.46$  and for sizes 20 to 40  $f = 1.28$ .

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