

1.4. Accuracy Standards

The dimensional tolerances of the Spherical Bearing are defined as indicated in table 3.

Table 3 Accuracy of the Spherical Bearing

Unit: μm

Nominal dimension of the inner diameter (d) and the outer diameter (D) (mm)		Tolerance in inner diameter (dm)		Tolerance in outer diameter (Dm)		Tolerance of the inner or outer ring in width (B _i , B _e)	
Above	Or less	Upper	Lower	Upper	Lower	Upper	Lower
10	18	0	- 8	—	—	0	-120
18	30	0	-10	0	- 9	0	-120
30	50	0	-12	0	-11	0	-120
50	80	0	-15	0	-13	0	-150
80	120	0	-20	0	-15	0	-200
120	150	0	-25	0	-18	0	-250
150	180	0	-25	0	-25	0	-250
180	250	0	-30	0	-30	0	-300
250	315	—	—	0	-35	0	-350
315	400	—	—	0	-40	0	-400

Note 1: "dm" and "Dm" represent the arithmetic averages of the maximum and minimum diameters obtained in measuring the inner and outer diameters at two points.

Note 2: The dimensional tolerances of the inner and outer diameters are the values before they are surface-treated.

Note 3: The dimensional tolerance of the outer ring is the value before it is split.

Note 4: Tolerances of the inner and outer diameters in width (B_i, B_e) are assumed to be equal, and obtained from the nominal dimension of the inner diameter of the inner ring.