

Table C, (Metric)
Tolerances by grade for individual balls

Tolerances in micrometers

Ball Grade	Allowable ball diameter Variation V_{DWS}	Allowable deviation from Spherical Form ΔR_W	Maximum surface roughness arithmetic average R_a
3	0,08	0,08	0,012
5	0,13	0,13	0,02
10	0,25	0,25	0,025
16	0,4	0,4	0,025
24	0,6	0,6	0,05
48	1,2	1,2	0,08
100	2,5	2,5	0,125
200	5	5	0,2
500	13	13	x
1000	25	25	x

x: not applicable

Table C, (Inch)
Tolerances by grade for individual balls

Tolerances in micrometers

Ball Grade	Allowable ball diameter Variation V_{DWS}	Allowable deviation from Spherical Form ΔR_W	Maximum surface roughness arithmetic average R_a
3	3	3	0,5
5	5	5	0,8
10	10	10	1
16	16	16	1
24	24	...24	2
48	48	48	3
100	100	100	5
200	200	200	8
500	500	500	x
1000	1000	1000	x

x: not applicable