



Steel Ball Dimensional Precision 尺寸精度表					
精度等级	批直径变动量	规值间距	常用规值	分规值间距	分规值
Grade	VDWL Lot Dia Variation	Gauge Interval	Preferred Gauge	Subgauge Interval	Subgauge
3	0.13	0.5	(-5, …, -0.5, 0, +0.5, …, +5)	0.1	0
5	0.25	1	(-5, …, -1, 0, +1, …, +5)	0.2	-0.4, -0.2, 0, +0.2, +0.4
10	0.5	1	(-9, …, -1, 0, +1, …, +9)	0.2	-0.4, -0.2, 0, +0.2, +0.4
16	0.8	2	(-10, …, -2, 0, +2, …, +10)	0.4	-0.8, -0.4, 0, +0.4, +0.8
20	1	2	(-10, …, -2, 0, +2, …, +10)	0.4	-0.8, -0.4, 0, +0.4, +0.9
28	1.4	2	(-12, …, -2, 0, +2, …, +12)	0.4	-0.8, -0.4, 0, +0.4, +0.10
40	2	4	(-16, …, -4, 0, +4, …, +16)	0.8	-1.6, -0.8, 0, +0.8, +1.6
60	3	5	(-20, …, -5, 0, +5, …, +20)	1	-2, -1, 0, +1, +2
100	5	10	(-40, …, -10, 0, +10, …, +40)	2	-4, -2, 0, +2, +4
200	10	15	(-60, …, -15, 0, +15, …, +60)	3	-6, -3, 0, +3, +6

Steel Ball Geometric Precision 几何精度表			
精度等级	球直径变动量	球形误差	表面粗糙度
Grade	VDWL Lot Dia Variation	$\Delta$ Sph Deviation From Spherical From	Surface Roughness
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	0.032
20	0.5	0.5	0.04
28	0.7	0.7	0.05
40	1	1	0.08
60	1.5	1.5	0.1
100	2.5	2.5	0.125
200	5	5	0.2



钢球直径Diameter		1000个钢球重量（公斤）	每公斤钢球个数
inch	mm	kgs per 1000pcs	No. of Ball per kg
-	0.5000	0.0005	1960784.31
-	0.6800	0.0013	781250.00
-	0.8000	0.0021	478468.90
-	1.0000	0.0041	245098.04
-	1.2000	0.0071	141843.97
-	1.3000	0.0089	111982.08
-	1.4000	0.0124	80645.16
1/6	1.5875	0.0160	62500.00
-	1.7500	0.0218	45871.56
-	2.0000	0.0326	30674.85
3/32	2.3812	0.0550	18181.82
-	2.5000	0.06370	1569.86
-	3.0000	0.1100	9090.91
1/8	3.1750	0.1300	7692.31
-	3.5000	0.1700	5882.35
5/32	3.9688	0.2500	4000.00
-	4.0000	0.2600	3846.15
3/16	4.7625	0.4400	2272.73
-	5.0000	0.5100	1960.78
13/64	5.1594	0.5600	1785.71
7/32	5.5562	0.6990	1430.62
15/64	5.9531	0.8600	1162.79
-	6.0000	0.8800	1136.36
1/4	6.3500	1.0400	961.54
-	6.5000	1.1190	893.66
17/64	6.7469	1.2500	800.00
9/32	7.1438	1.4900	671.14
5/16	7.9375	2.0400	490.20
-	8.0000	2.0900	478.47
-	8.5000	2.5000	400.00
11/32	8.7312	2.7100	369.00
-	9.0000	2.9700	336.70
3/8	9.5250	3.5200	284.09
-	10.0000	4.0800	245.10
13/32	10.3188	4.4800	223.21
-	11.0000	5.4200	184.50
7/16	11.1125	5.5600	179.86
-	11.5000	6.2200	160.77
29/64	11.5094	6.2200	160.77
15/32	11.9062	6.8800	145.35
-	12.0000	7.0400	142.05
31/64	12.3031	7.6000	131.58



1/2	12.7000	8.3500	119.76
17/32	13.4938	10.0000	100.00
-	14.0000	11.1800	89.45
9/16	14.2875	11.9000	84.03
19/32	15.8120	14.0000	71.43
5/8	15.8750	16.3000	61.35
-	16.0000	16.6900	59.92
21/32	16.6688	18.9000	52.91
-	17.0000	20.2000	49.50
11/16	17.4625	21.7000	46.08
23/32	18.2562	24.8000	40.32
-	19.0000	27.9600	35.77
3/4	19.0500	28.2000	35.46
25/32	19.8438	31.9000	31.35
13/16	20.6375	35.8000	27.93
-	21.0000	37.7500	26.49
27/32	21.4313	40.1000	24.94
7/8	22.2250	44.8000	22.32
-	23.0000	49.5900	20.17
29/32	23.0188	49.8000	20.08
15/16	23.8125	55.1000	18.15
-	24.0000	56.3400	17.75
31/32	24.6063	60.8000	16.45
-	25.0000	63.6800	15.70
1	25.4000	66.8000	14.97
1 1/32	26.1938	73.3000	13.64
1 1/16	26.9875	80.2000	12.47
1 3/32	27.7812	87.4000	11.44
-	28.0000	89.4700	11.18
1 1/8	28.5750	95.2000	10.50
1 3/16	30.1625	112.0000	8.93
1 1/4	31.7500	131.0000	7.63
-	32.0000	133.6000	7.49
1 5/16	33.3375	151.1000	6.62
-	34.0000	160.2000	6.24
1 3/8	34.9250	174.0000	5.75
-	35.0000	174.7500	5.72
1 13/32	35.7188	184.0000	5.43
1 7/16	36.5125	198.0000	5.05
1 15/32	37.3062	216.0000	4.63
1 1/2	38.1000	225.0000	4.44
1 9/16	39.6875	255.0000	3.92
-	40.0000	260.0000	3.85
1 5/8	41.2750	287.0000	3.48
-	42.0000	302.0000	3.31
1 11/16	42.8625	321.2000	3.11
1 3/4	44.4500	358.3000	2.79
-	45.0000	371.4000	2.69
1 7/8	47.6250	440.5000	2.27
-	48.0000	450.7000	2.22
2	50.8000	534.8000	1.87