

Table L, Part 1
number of balls per kilogrammt 1
material density in grams per cubic centimeter

Nom Dia. mm	2.796	7.584	7.667	7.723	7.833	7.861	7.916	7.972	8.332	8.415	8.470	8.830	14.947
.3	25 300 000	9 330 000	9 230 000	9 160 000	9 030 000	9 000 000	8 940 000	8 870 000	8 490 000	8 410 000	8 350 000	8 010 000	4 730 000
.4	10 670 000	3 930 000	3 890 000	3 860 000	3 810 000	3 800 000	3 770 000	3 740 000	3 550 000	3 520 000	3 520 000	3 380 000	2 000 000
.5	5 470 000	2 010 000	1 990 000	1 980 000	1 950 000	1 940 000	1 930 000	1 920 000	1 830 000	1 820 000	1 800 000	1 730 000	1 020 000
.7	1 990 000	734 000	726 000	721 000	711 000	707 000	703 000	698 000	668 000	662 000	657 000	631 000	373 000
.8	1 330 000	492 000	487 000	483 000	476 000	475 000	471 000	468 000	448 000	440 000	440 000	422 000	250 000
1.0	683 000	252 000	249 000	247 000	244 000	243 000	241 000	240 000	229 000	227 000	225 000	216 000	128 000
1.2	395 000	146 000	144 000	143 000	141 000	141 000	140 000	139 000	133 000	130 000	130 000	125 000	73 900
1.5	202 000	74 600	73 300	72 200	72 200	72 000	71 500	71 000	67 900	67 200	66 800	64 100	37 900
2.0	85 400	31 500	31 100	30 900	30 500	30 400	30 200	29 900	28 700	28 400	28 200	27 000	16 000
2.5	43 700	16 100	15 900	15 800	15 600	15 500	15 400	15 300	14 700	14 500	14 400	13 800	8 180
3.0	25 300	9 330	9 230	9 160	9 030	9 000	8 940	8 870	8 490	8 410	8 350	8 010	4 730
3.5	15 900	5870	5 870	5 770	5 690	5 670	5 630	5 590	5 350	5 290	5 260	5 040	2 980
4.0	10 700	3 930	3 930	3 860	3 810	3 800	3 770	3 740	3 580	3 550	3 520	3 380	2 000
4.5	7 500	2 760	2 760	2 710	2 680	2 670	2 650	2 630	2 520	2 490	2 470	2 370	1 400
5.0	5 470	2 010	2 010	1 980	1 950	1 940	1 930	1 920	1 830	1 820	1 800	1 730	1 020
5.5	4 110	1 510	1 500	1 490	1 470	1 460	1 450	1 440	1 380	1 360	1 360	1 300	768
6.0	3 160	1 170	1 150	1 140	1 130	1 120	1 120	1 110	1 060	1 050	1 040	1 000	592
6.5	2 490	917	907	901	888	885	878	872	835	826	821	788	465
7.0	1 990	734	726	721	711	708	703	698	658	662	657	631	373
7.5	1 620	597	590	586	578	576	572	568	543	538	534	513	303
8													
8.0	1 330	492	487	483	476	475	471	468	448	443	440	422	250
8.5	1 110	410	406	403	397	396	393	390	373	370	367	352	208
9.0	937	345	342	339	334	333	331	329	314	311	309	297	175
10.	683	252	249	247	244	243	241	240	229	227	225	216	128
11.0	513.0	189.0	187.0	186.0	183.0	183.0	181.0	180.0	172.0	171.0	169.0	163.0	96.0
11.5	449.0	166.0	164.0	163.0	160.0	160.0	159.0	158.0	151.0	149.0	148.0	142.0	84.0
12.0	395.0	146.0	144.0	143.0	141.0	141.0	140.0	139.0	133.0	131.0	130.0	125.0	73.9
13.0	311.0	115.0	113.0	113.0	111.0	111.0	110.0	109.0	104.0	103.0	103.0	98.5	58.2
14.0	249.0	91.8	90.8	90.1	88.9	88.5	87.9	87.3	83.5	82.7	82.2	78.8	46.6
15.0	202.0	74.6	73.8	73.3	72.2	72.0	71.5	71.0	67.9	67.2	66.8	64.1	37.9
16.0	167.0	61.5	60.8	60.4	59.5	59.3	58.9	58.5	56.0	55.4	55.1	52.8	31.2
17.0	139.0	51.3	50.7	50.3	49.6	49.5	49.1	48.8	46.7	46.2	45.9	44.0	26.0
18.0	117.0	43.2	42.7	42.4	41.8	41.7	41.4	41.1	39.3	38.9	38.7	37.1	21.9
19.0	99.6	36.7	36.3	36.1	35.5	35.4	35.2	34.9	33.4	33.1	32.9	31.5	18.6
20.0	85.4	31.5	31.1	30.9	30.5	30.4	30.2	29.9	28.7	28.4	28.2	27.0	16.0
21.0	73.8	27.2	26.9	26.7	26.3	26.2	26.1	25.9	24.8	24.5	24.3	23.4	13.8
22.0	64.2	23.6	23.4	23.2	22.9	22.8	22.7	22.5	21.5	21.3	21.2	20.3	12.0
23.0	56.1	20.7	20.5	20.3	20.0	20.0	19.8	19.7	18.8	18.7	18.5	17.8	10.5
24.0	49.4	18.2	18.0	17.9	17.6	17.6	17.5	17.3	16.6	16.4	16.3	15.6	9.24
25.0	43.7	16.1	15.9	15.8	15.6	15.5	15.4	15.3	14.7	14.5	14.4	13.8	8.18
26.0	38.9	14.3	14.2	14.1	13.9	13.8	13.7	13.6	13.0	12.9	12.8	12.3	7.27
28.0	31.1	11.5	11.3	11.3	11.1	11.1	11.0	10.9	10.4	10.3	10.3	9.85	5.82
30.0	25.3	9.33	9.23	9.16	9.03	9.0	8.94	8.87	8.49	8.41	8.35	8.01	4.73
32.0	20.8	7.68	7.60	7.55	7.44	7.41	7.36	7.31	7.0	6.93	6.88	6.60	3.9
34.0	17.4	6.41	6.34	6.29	6.2	6.18	6.14	6.1	5.83	5.77	5.74	5.5	3.25
36.0	14.6	5.4	5.34	5.3	5.23	5.21	5.17	5.13	4.91	4.86	4.83	4.64	2.74
38.0	12.4	4.59	4.54	4.51	4.44	4.43	4.4	4.37	4.18	4.14	4.11	3.94	2.33
40.0	10.7	3.93	3.89	3.86	3.81	3.8	3.77	3.74	3.58	3.55	3.52	3.38	2.0
45.0	7.5	2.76	2.73	2.71	2.68	2.67	2.65	2.63	2.52	2.49	2.47	2.37	1.4
50.0	5.47	2.01	1.99	1.98	1.95	1.94	1.93	1.92	1.83	1.82	1.80	1.73	1.02
55.0	4.11	1.51	1.5	1.49	1.47	1.46	1.45	1.44	1.38	1.36	1.36	1.30	0.768
60.0	3.16	1.17	1.15	1.14	1.13	1.12	1.12	1.11	1.06	1.05	1.04	1.00	0.592
65.0	2.49	0.917	0.907	0.901	0.888	0.885	0.878	0.872	0.835	0.826	0.821	0.788	0.465

For density of ball materials see table K