

W1.54

**Ginding media of ball mills
weight, bulk density, surface etc. of grinding media**

<i>Sr No.</i>	<i>Dia of ball mm</i>	<i>wt.of one ball kg</i>	<i>no. of balls per ton no</i>	<i>bulk density kg/m³</i>	<i>surface of one ball cm²</i>	<i>surface per ton m²</i>
1	100	4.115	243	4560	314	7.6
2	90	2.994	334	4590	254	8.5
3	80	2.107	475	4620	201	9.5
4	70	1.41	709	4640	154	10.9
5	60	0.889	1125	4660	113	12.7
6	50	0.514	1946	4708	78	15.2
7	40	0.263	3802	4760	50	19.0
8	30	0.111	9009	4850	28	25.2
9	25	0.064	15562	4880	19.69	30.6
10	20	0.033	30395	4920	12.60	38.3
11	17	0.020	49493	4950	9.10	45.1
12	15	0.014	72048	4970	7.09	51.1
13	10	0.004	243161	5030	3.15	76.6

source: Cement Data Book by Duda