

FORGED GRINDING BALLS

Chemical Composition

Material	%C	%Cr	%Mn	%Si	%P	%S	%CU	%Ni
1060	0.5-0.65	≤0.4	0.60-0.90	≤0.4	≤0.03	≤0.035	≤0.30	≤0.4
70 Cr2	%C	0.55-0.70	0.75-0.90	0.20-0.30	≤0.03	≤0.03	≤0.30	≤0.4

Diameters and tolerances

Diameters mm	Man.process	Limit deviation	Surface area(cm ²)	Volume (cm ³)	Mass(kg)
20	Rolled-forged	±1.0	12.57	4.19	0.036
25	Rolled-forged		19.63	8.18	0.07
30	Rolled-forged	±2.0	28.27	14.14	0.12
35	Rolled-forged		38.48	22.45	0.191
40	Rolled-forged		50.27	33.51	0.285
45	Rolled-forged		63.62	47.71	0.406
50	Rolled-forged	±3.0	78.54	65.45	0.556
55	Rolled-forged		95.03	87.11	0.74
60	Rolled-forged		113.1	113.1	0.961
65	Rolled-forged		132.73	143.79	1.222
70	Rolled-forged		153.94	179.59	1.527
80	Rolled-forged/forged	±4.0	201.06	268.08	2.279
90	forged		254.47	381.7	3.244
100	forged		314.16	523.6	4.451
110	forged	±5.0	380.13	696.91	5.924
120	forged		451.39	904.78	7.691
125	forged		491.06	1022.65	8.410