

**info@legaultmetal.com**  
**819-732-8818**

### Forged Steel Grinding Balls

Ball Size Inch / mm	Avg. Out of Round Tolerance Inch / mm	Avg. Nominal Ball Weight Lbs/Kg	Avg. Ball Weight Range	Avg. Diameter		<b>Standard</b>	<b>Severe Service</b>
				MAX Inch / cm	MIN Inch / cm	Avg. Hardness +/- 3Rc Surface / Center / AVH	Avg. Hardness +/- 5Rc Surface / Center / AVH
1.0 / 25mm	.040 / 1.016	.147 / .067	0-12%	1.020 / 2.591	1.005 / 2.553	63.8 / 62.7 / 63.4	54.7 / 53.6 / 54.1
1.25 / 32mm	.040 / 1.016	.288 / .131	0-12%	1.287 / 3.269	1.265 / 3.213	64.2 / 62.8 / 63.6	56.4 / 52.5 / 55.2
1.5 / 38mm	.040 / 1.016	.498 / .226	0-8%	1.540 / 3.912	1.507 / 3.828	64.1 / 61.8 / 63.7	55.1 / 52.8 / 54.1
2.0 / 50mm	.060 / 1.524	1.181 / .536	0-14%	2.052 / 5.212	2.007 / 5.098	63.3 / 61.5 / 62.9	52.7 / 51.0 / 52.1
2.5 / 64mm	.065 / 1.651	2.307 / 1.046	6-14%	2.581 / 6.556	2.538 / 6.447	63.0 / 61.4 / 62.5	55.4 / 52.0 / 53.9
3.0 / 76mm	.080 / 2.032	3.987 / 1.809	5-9%	3.066 / 7.788	3.044 / 7.732	62.8 / 60.7 / 62.1	54.2 / 51.2 / 53.3
3.50 / 90mm	.100 / 2.540	6.361 / 2.885	0-8%	3.563 / 9.050	3.507 / 8.908		49.9 / 43.4 / 47.6

### Typical Chemistry

BALL SIZE	C	MN	P	S	SI	CU	NI	CR
1	.75/.80	.60/.80	.035	.050	.15/.35	.45	.25	.25/.40
1.25	“	“	“	“	“	“	“	“
1.5	“	.65/.85	“	“	“	“	“	.45/.60
2.0	“	“	“	“	“	“	“	“
2.5	“	“	“	“	“	“	“	“
3.0	.72/.78	“	“	“	.15/.30	“	“	40/.60
3.5	.75/.80	.75/.90	“	“	“	“	“	.10/.20

