

Grinding Balls

Gerdau offers high-quality products in a wide range of sizes for ball mill applications in the mineral processing industry.



FORGED STEEL GRINDING MEDIA

- An industry leader
- Multiple Grades for various applications
- High value
- Low cost-per-ton-of-grind
- Reliable and efficient shipping from stock
- Consistently trusted brand
- Produced from eco-friendly recycled materials

Gerdau forged steel grinding balls are available in seven sizes.

Size range: 1" / 25mm - 3.5" / 89mm

Packaged: Bulk, Drums and Super Sack Bags in various capacity options



Grinding Balls



Gerdau Forged Steel Grinding Balls are manufactured under ISO Certifications using rigid quality controls.

Process and final inspection practices assure compliance of Physical, Chemical and Hardness specifications.

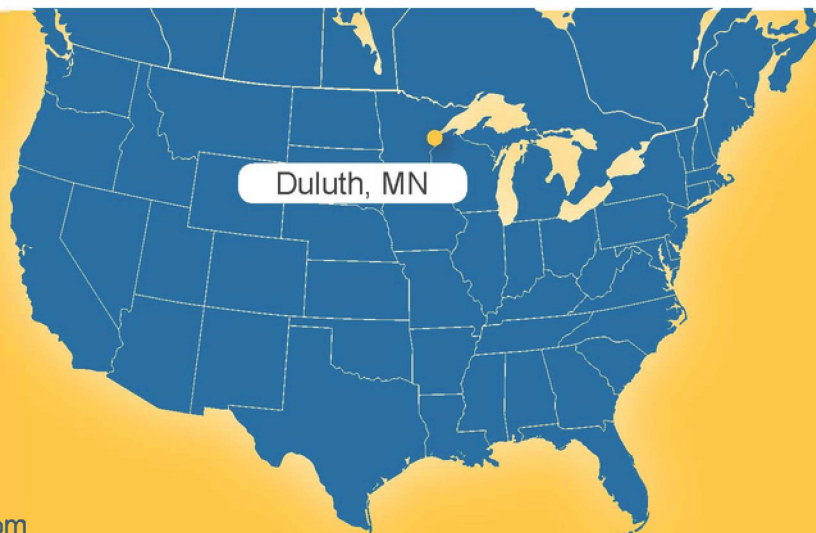
All products are made in Duluth, Minnesota.

Forged Steel Grinding Balls – High Hardness Product Specification

Ball Size Inch / mm	Out of Round Tolerance Inch / mm	Nominal Ball Weight Lbs/Kg	Ball Weight Range	Average Diameter		Hardness +/- 4Rc Surface / AVH
				MAX Inch / cm	MIN Inch / cm	
1.0 / 25mm	.040 / 1.016	.147 / .067	0-12%	1.037 / 2.634	1.011 / 2.568	62 / 62
1.25 / 32mm	.040 / 1.016	.288 / .131	0-12%	1.290 / 3.277	1.262 / 3.206	62 / 62
1.5 / 38mm	.040 / 1.016	.498 / .226	0-10%	1.531 / 3.889	1.502 / 3.815	62 / 62
2.0 / 50mm	.060 / 1.524	1.181 / .536	0-14%	2.048 / 5.202	2.011 / 5.108	62 / 62
2.5 / 64mm	.065 / 1.651	2.307 / 1.046	6-12%	2.573 / 6.535	2.532 / 6.431	62 / 62
3.0 / 76mm	.080 / 2.032	3.987 / 1.809	5-10%	3.107 / 7.892	3.048 / 7.742	62 / 61
3.5 / 89mm	.100 / 2.540	6.361 / 2.885	0-8%	3.617 / 9.187	3.544 / 9.002	62 / 62

Typical Chemistry

BALL SIZE	C	MN	P	S	SI	CU	NI	CR	MO
1	.90 / 1.10	1.10 MAX	.05 MAX	.050 MAX	.25 MAX	.55 MAX	.40 MAX	.60 MAX	.15 MAX
1.25	.90 / 1.10	1.10 MAX	.05 MAX	.050 MAX	.25 MAX	.55 MAX	.40 MAX	.60 MAX	.15 MAX
1.5	.90 / 1.10	1.10 MAX	.05 MAX	.050 MAX	.25 MAX	.55 MAX	.40 MAX	.60 MAX	.15 MAX
2.0	.90 / 1.10	1.10 MAX	.05 MAX	.050 MAX	.25 MAX	.55 MAX	.40 MAX	.60 MAX	.15 MAX
2.5	.90 / 1.10	1.10 MAX	.05 MAX	.050 MAX	.25 MAX	.55 MAX	.40 MAX	.60 MAX	.15 MAX
3.0	.90 / 1.10	1.10 MAX	.05 MAX	.050 MAX	.25 MAX	.55 MAX	.40 MAX	.60 MAX	.15 MAX
3.5	.70 / .85	1.00 MAX	.05 MAX	.050 MAX	.25 MAX	.55 MAX	.40 MAX	.75 MAX	.15 MAX



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