



**GERDAU**

Shape the future

# GRINDING BALLS

Gerda 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

Gerda 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 produced 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 MAX Inch / cm	MIN Inch / cm	Hardness +/- 4Rc Surface / AVH
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

## CONTACT US:

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- Gerdau Grinding Ball Plant
- Warehouse Network
- Gerdau Mill Locations



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