



**PSM Industrial**



# Comercialización de bolas forjadas

## Bolas de molienda forjadas

- Acerero y forjador líder en la industria del acero y de bolas en EEUU
- Diferentes grados de acuerdo a la aplicación
- Bajo costo efectivo por tonelada procesada
- Medidas disponibles de 1" (25 mm) a 3.5" (89 mm)
- Sistema de gestión ISO y estricto control de calidad

### Forged Steel Grinding Balls – Hh 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