

ME Super SAG®



ME FIT Grinding

- Grinding Media • Applications • Impact Comminution
- SAG Mills / ME Super SAG®

ME Super SAG® is a forged steel ball designed for SAG mill applications and manufactured in four models according to each requirement: HH (High Hardness), S (Standard), T (Tough) and HC (High Carbon). They are available in diameters ranging from 100 mm to 160 mm (4" to 6.25") approximately.

ME Super SAG® balls must pass strict manufacturing controls to ensure a high level of consistency in production quality. Each production batch is tested for volumetric hardness, chemical composition, and impact resistance.



The ME Elecmetal grinding media manufacturing plant is certified in the following quality, safety, and environmental standards:

- ISO 9001: 2008 Certified Quality Management Systems
- OSHAS 18001: 2007 Certified Occupational Health and Safety Management Systems
- ISO 14001: 2004 Certified Environmental Management Systems

ME Super SAG®

Chemical Composition

Limits	C	Mn	P (Max)	S (Max)	Si	Cr	Mo (Residual)	Cu (Residual)
Upper Limit	0.90	1.02	0.022	0.022	0.40	1.05	0.15	0.15
Lower Limit	0.70	0.80	-	-	0.20	0.70	0.03	-

Hardness (HRC)

Series	Surface	Volume	Applications
Series HC	61 - 64	58 - 64	Mills that usually operate at low impact and with high abrasion resistance.
Series HH	60 - 65	58 - 62	High impact energy mills
Series S	58 - 62	56 - 60	Standard operating mills
Series T	54 - 60	54 - 60	Low impact energy mills

HRC: Hardness Rockwell C / HC: High Carbon / HH: High Hardness / S: Standard / T: Tough Values obtained from ME Elecmetal standards and procedures

Diameter

Inches	4	5	5.5	6	6.25
mm	101.6	127.0	139.7	152.4	158.8
Nominal Weight [kg]	4.283	8.366	11.135	14.456	16.339
Max. Tolerance (10%)	4.712	9.202	12.248	15.902	17.973

Note:

The chemical composition ranges reported above are for reference only. The specific chemistry of each ball will be determined by the diameter and hardness level required. Balls are available in a range of sizes in 5 mm metric units.