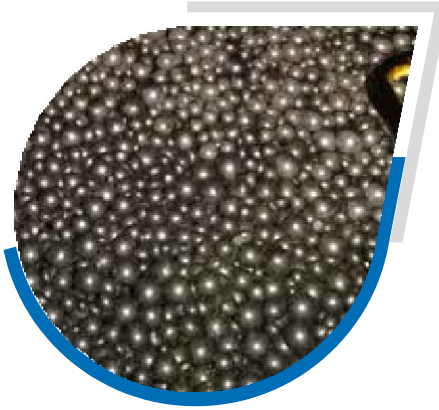
ME
Ultra Grind II®

***ME FIT* Grinding**

• Grinding Media • Applications • Abrasion Comminution • Ball Mills • ME Ultra Grind II® for ball mills

ME Ultra Grind II® premium steel balls are designed for ball mill applications and are available in diameters ranging from approximately 50 mm to 80 mm (2" to 3.5").

Manufactured using a fully automatic roll forming process, ME Ultra Grind® balls must pass stringent controls to ensure a high level of consistency in production quality. Each production batch is subjected to a series of tests to determine volumetric hardness, chemical composition, and abrasion 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 Ultra Grind II®

Chemical Composition

Limits [%]	C	Mn	P (Max)	S (Max)	Si	Cr	Mo (Res.)	Cu (Res.)
Upper Limit	1.20	1.10	0.025	0.025	0.40	2.00	0.05	0.15
Lower Limit	1.00	0.95	-	-	0.20	1.50	-	-

Hardness (HRC)

Series	Surface	Volume	Applications
ME Ultra Grind II®	50 - 60	54 - 60	Ball Mills

HRC: Hardness Rockwell C

Diameter

In	2	2.5	3	3.5
mm	50	70	75	80
Nominal Weight [kg]	0.539	1.052	1.818	2.887
Max. Tolerance (10%)	0.767	1.157	2.000	3.176

Nominal Weight: Ball weight with exact diameter
The balls are made of forged steel with a specific density of 7.8 g/cm^3
The bulk density of the forged steel balls is **4.645 kg/m^3**

Note:
Balls are available in a range of sizes in 5 mm metric units.