



ME

Ultra Grind®

ME FIT Grinding



- Grinding Media • Applications • Abrasion Comminution
- Ball Mills • ME Ultra Grind®

ME Ultra Grind® premium steel balls are designed for ball mill applications and are available in diameters ranging from approximately 40 mm to 100 mm (1.5" to 4").

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®

Chemical Composition

Limits [%]	C	Mn	P (Max)	S (Max)	Si	Cr	Mo (Res.)	Cu (Res.)
Upper Limit	1.00	1.10	0.025	0.025	0.30	0.60	0.01	0.15
Lower Limit	0.90	0.90	-	-	0.20	0.40	-	-

Hardness (HRC)

Series	Surface	Volume	Applications
ME Ultra Grind®	60 - 65	60 - 64	Ball Mills

HRC: Hardness Rockwell C

Diameter

In	1.5	2	2.5	3	3.5	4
mm	40	50	70	75	80	100
Nominal Weight [kg]	0.227	0.539	1.052	1.818	2.887	4.310
Max. Tolerance (10%)	0.250	0.767	1.157	2.000	3.176	4.741

Nominal Weight: Ball weight with exact diameter

The balls are made of forged steel with a specific density of 7.8g/cm³The

bulk density of the forged steel balls is **4.645 kg/m³**

Note:

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