

# ME Ultra Grind® for regrinding

## ME FIT Grinding



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

ME Ultra Grind® premium steel balls for regrinding are designed for ball mill applications and are available in diameters ranging from approximately 22 mm to 40 mm (7/8" 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<sup>®</sup> for regrinding

## Chemical Composition

Limits [%]	C	Mn	P (Max)	S (Max)	Si	Cr	Mo (Res.)	Cu (Res.)
Upper Limit	0.90	0.90	0.035	0.035	0.40	0.50	0.05	0.15
Lower Limit	0.70	0.70	-	-	0.15	0.20	-	-

## Hardness (HRC)

Series	Surface	Volume	Applications
ME Ultra Grind <sup>®</sup>	60 - 64	60 - 64	Ball Mills

HRC: Hardness Rockwell C

## Diameter

In	7/8	1.0	1.5
mm	22	25	40
Nominal Weight [kg]	0.045	0.067	0.227
Max. Tolerance (10%)	0.050	0.074	0.250

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

Note:

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