

# Metal Grinding Balls for Milling

Spherical metal balls are designed for use in ball mills for efficient size reduction. Featuring a durable iron construction, these grinding balls provide consistent performance and an extended lifespan.



## Overview

### Cast Grinding Balls for Industrial Milling

These high-density cast grinding balls are engineered for efficient size reduction and material processing in demanding industrial environments. Designed for durability and consistent performance, they are essential for milling applications in metal mines, cement plants, power stations, and the chemical industry. Available in a wide range of sizes, these balls provide reliable wear resistance and structural integrity for long-term operational efficiency.

Applied Fields	Metal Mines, Cement Plant, Power Station, Chemical Industry
Available Sizes	10-130mm

## Chemical Composition

### Chemical Composition Standards

Grade	Carbon	Chrome	Manganese
Cr10	1.8-3.3	10-15	2.5max
Cr1-3	1.8-3.5	1-3	1.2max
Cr 3-7	2.0-3.2	3-9	0.5-1.5

## Mechanical Properties

### Performance Metrics

**15000 min**

Falling Times (Cr10)

**25 gr/t.m**

Wear Rate (Cr10)

**1 %**

Breakage Rate

### Surface Hardness

- Cr10 min: 58-68 HRC
- Cr low 10: 45-57 HRC