

# High Chrome Alloy Grinding Cylpebs

High chrome grinding cylpebs are alloy casting grinding media containing 10-28% chrome. This grinding media is used in ball mills and SAG mills for milling and crushing ore, coal, sand, cement and other materials.



## ADDITIONAL IMAGES



## Product Overview

### High Chrome Alloy Grinding Cylpebs

These high-chrome grinding cylpebs are precision-cast alloy media containing 10-28% chromium, engineered for superior durability in ball and SAG mills. Designed for mining, cement, and industrial crushing applications, they offer exceptional wear resistance and impact strength through advanced heat treatment. By maintaining consistent hardness from surface to core, these cylpebs significantly reduce downtime and improve overall milling efficiency.

## Mechanical Properties

### Surface Hardness

**58 HRC**  
Min Hardness

**63 HRC**  
Max Hardness

### Impact Value

3.5 J/cm<sup>2</sup>

### Microstructure

Martensite + Carbide + residual Austenite

### Breakage and Deshaping

0.5 %

## Chemical Composition

### Material Composition

Element	Content Range (%)
Carbon (C)	2.0-3.2
Chromium (Cr)	10.0-28.0
Silicon (Si)	0.3-1.2
Manganese (Mn)	0.2-1.5
Nickel (Ni)	Max 1.20
Molybdenum (Mo)	Max 1.50
Copper (Cu)	Max 1.50
Phosphorus (P)	Max 0.10
Sulfur (S)	Max 0.12

## Technical Standards

### Compliance Standards

GB/T 17445-2009, ASTM 531/A 532M-93A, EN 12513:2000E

## Logistics & Ordering

### Available Sizes (mm)

- 8x8
- 10x10
- 12x12
- 14x14
- 16x16
- 18x18
- 20x25
- 25x30
- 25x38
- 30x35
- 35x40
- 40x45
- 45x50
- 50x55
- 55x60
- 60x70

### Minimum Order Quantity

50 tons per shipment (min 5 tons per size/content)

### Packaging

Metal Drum on Wooden Pallet (800-1000kg per drum)