

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/cm²

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)