

### **sealed hammer crusher with manganese chrome alloy head**

Sealed Hammer Crusher is an efficient sample crushing equipment, widely used in coal, electric power, iron and steel metallurgy, geology, building materials and other industries, suitable for sample crushing in laboratories and small production lines.

#### **Sealed Hammer Crusher**

The Sealed Hammer Crusher features a fully sealed design that effectively prevents dust leakage, ensuring a clean operating environment and stable sample composition. Complying with GB/T19494, GB474, and other industry standards, it is ideal for processing samples with high water content, such as coal and ore.

#### **Features**

1. Fully sealed design: Complete dust-proof structure meets environmental protection standards, minimizing pollution.
2. Wear-resistant and durable crushing chamber: Made of seamless steel pipe, provides excellent wear and impact resistance, prevents overheating and contamination, and extends service life.
3. High-efficiency crushing hammer head: Full-width manganese chrome alloy hammer ensures cross-section crushing, uniform sample size, and prevents clogging or dead-end sample retention.



4. Quick replacement of screen plate: Insertion design allows for fast, tool-free replacement, improving convenience and work efficiency.
5. Strong adaptability: Large crushing ratio, uniform discharge, handles high moisture materials without clogging or moisture loss.
6. Low noise, low vibration: Stable operation reduces noise and vibration, improving operator working conditions.
7. All-round protection design: Equipped with protective facilities on all transmission parts, ensuring safe operation and compliance with industrial safety standards.

### **Advantages**

1. Environmental protection and high efficiency: Sealed design reduces dust pollution, suitable for workplaces with strict environmental requirements.
2. High durability: Wear-resistant chamber maintains performance during long-term, high-intensity work, reducing maintenance costs.
3. No clogging, no sample loss: Processes high moisture samples without clogging or moisture loss, ensuring sample integrity.
4. Fast maintenance and replacement: Simple design enables rapid cleaning and screen plate replacement, saving maintenance time.
5. Safe and reliable: Comprehensive protective measures ensure operator safety and meet industrial safety standards.

## Working Principle

The Sealed Hammer Crusher crushes materials based on the impact and shear force of the hammer head. Mounted on a high-speed spindle, the hammer head delivers rapid impacts to incoming material in the crushing chamber. Crushed material is discharged through a screen plate, with particle size determined by the screen aperture. The fully sealed design prevents dust escape and controls internal temperature, avoiding overheating.

Model	PK180	PK250
Feed size	≤50mm	≤150mm
Output size	less than 3mm, 6mm(adjustable)	less than 3mm, 6mm, 13mm(adjustable)
Production rate	300 to 600kg per hour	1200 to 1800kg per hour
Motor power	1.5kw	4kw
Power supply	three phase 380Vac	
Weight	180kg	350kg
Dimensions	800x470x1120mm	900x720x1220mm