

Single Stage Hammer Crusher

The DPC200 Single Stage Crusher reduces materials with a maximum size of 600-1800mm down to particles of 25mm or below. It is mainly used to crush fragile materials with medium hardness and little moisture, such as limestone and rocks.



Overview

High-Efficiency Single Stage Crushing

The Single Stage Hammer Crusher is engineered to process large materials from 600-1800mm down to 25mm or less in a single pass. It is specifically designed for handling fragile materials with medium hardness and low moisture content, such as limestone and various rocks. This robust machine streamlines the crushing process, making it an ideal solution for the building material, mining, and chemical industries.

Performance Highlights

Performance Metrics

420 t/h

Max Capacity

1800 mm

Max Feed Size

630 kw

Max Power

Technical Specifications

Model Specifications

Model	Rotor Diameter (mm)	Max Feed Size (mm)	Capacity (t/h)	Power (kw)
DPC140	1400	800	100-140	160-220
DPC160	1600	1000	150-240	280-355
DPC200	2000	1250	330-420	500-630

Rotor Configuration Single Rotor

Final Product Size <3-8 mm

Operation



Crushing Process

Materials enter the crushing cavity and pile onto a middle bracket set. A high-speed spinning hammerhead runs through the gaps of the bracket, continuously striking and crushing the material. Once the materials reach the qualified size, they are discharged through an adjustable arc-shaped grid plate.

Application

Target Industries

- Mining
- Building Materials
- Chemical Industry
- Quarrying
- Recycling

Suitable Materials

Limestone, Rocks, Fragile Materials, Medium Hardness Materials, Low Moisture Materials