

# 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