

jaw crusher manual

First, The jaw crusher terms

This manual uses certain terms to describe jaw crusher and its operation. To avoid confusion or misunderstanding, these terms are defined as follows:

Feed materials: raw material to be broken.

Product size: crushed material granularity.

Production capacity: The crusher emissions. Tons / hour.

Feed opening: the material fed into the crusher at the opening.

Crushing chamber: the movable jaw plate and fixed jaw plate forming a crushing space.

Second, jaw crusher Introduction

YIFAN produced jaw crusher is mainly used in crushing compression strength not more than 320MPa of various minerals, rocks. It has a low noise, high efficiency, reasonable structure, stable and reliable (with overload protection device), low energy consumption characteristics of a wide range of applications.

Especially the jaw plate wear-resistant materials with high-quality compression, strong, wear-resistant, high compressive strength. There are several different models:

PE Jaw Crusher Model: ([Click to learn more about PE jaw crusher](#))

PEX-150x750

PEX-250x1000

PEX-250x1200

PEX-300x1300

PEX-300x1500

PE-400x600

PE-500x750

PE-600x900

PE-700x1000

PE-750x1060

PE-800x1100

PE-900x1100

PE-900x1200

PE-1000x1200

PE-1100x1300

PE-1200x1500

JC Jaw Crusher Model: ([Click to learn more about JC jaw crusher](#))

JC231

JC340

JC442
JC445
JC549
JC555
JC663
JC779

Three,jaw crusher works

[1] jaw crusher structure and composition

1 body
2 fixed jaw
3 side shield
4 movable jaw plate
5 jaw head
6 brackets
7 Adjust the seat
8 Pulley

[2] jaw crusher mainly from the body, movable jaw part, to adjust some other components.

a, the body: the crusher body has welded body and casting body are two sides with removable shield that protects the body from wear and tear.

b, movable jaw parts: the movable jaw is mainly composed of spindle head jaw, movable jaw plate, bearing cover and other components, multi-layer labyrinth seal bearing parts of the process, extending bearing life.

c, adjusting parts: the adjustment is mainly composed of seat adjustment, drawing, the top wire, adjusting pads, rod, brackets and other components.

[3] jaw crusher workflow:

Motor through V-belt transfers power to the eccentric shaft pulley, the eccentric shaft driven by the motor, the speed ratio required for rotation, moving jaw head eccentric shaft driven by an eccentric force relative fixed jaw plate to make a regular movement in order to achieve a fixed trajectory extrusion materials broken.

Source: <http://www.yifan crusher.com/Jaw-crusher-manual-Section-I.html>