PYG series cone crusher is a new cone crusher researched and development in our company by combing the single-cylinder hydraulic cone crusher and PYG cone crusher and adopting advanced designing concept. Due to the adoption of good crushing frequency and eccentric distance, the content of fine particle materials in the crushed materials is higher, and the content of the materials smaller than the discharging mouth can reach 80%, thus significantly improving the processing ability of the following equipment and reducing the comprehensive energy consumption.
Why choose us?

1. High efficiency: Both ends of the multi-cylinder hydraulic cone crusher have spindle support, so it's able to withstand greater crushing force and greater stroke. If added with special crushing cavity adapting lamination principle, the machine has higher efficiency.

2. Large production capacity: The machine has a perfect design combination of crushing stroke, crushing speed and crushing cavity shape, which makes the machine have 35%~60% higher output than the old spring cone Crusher in case of same fixed cone diameter.

Characteristics

Processing capacity: 12-1000t/h
Cone diameter: 600-2200mm
Feeding size: 35-300mm
Discharge opening: 3-60mm
Applied material: barite, marble, calcite, kaoline, coal, gypsum, concrete.

Working principle

The rotating of motor drives pulley or coupling, motor shaft and cone axis to drive eccentric shaft to do periodic rotation-swing movement. After materials entering into the crushing cavity, they will be crushed by mutual impact extrusion, grinding and rubbing of the eccentric shaft and mortar roll, so as to achieve desired crushing effect. Hydraulic overload system can enlarge discharge hole to discharge obstruction when the machine is jammed, so it plays a positive role as insurance and significantly reduces maintenance and increases productivity.
## Technical data

<table>
<thead>
<tr>
<th>Specifications</th>
<th>Model</th>
<th>Case</th>
<th>Large end diameter (mm)</th>
<th>Destination size of discharge opening (mm)</th>
<th>Max. feeding size (mm)</th>
<th>Processing capacity (t/h)</th>
<th>Main motor power (kw)</th>
<th>Weight (kg)</th>
<th>Dimensions (L×W×H) (mm)</th>
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**Note:**

- **PYGB:** Poyang Series Single Cylinder Hydraulic Cone Crusher
- **PYGD:** Poyang Series Single Cylinder Hydraulic Cone Crusher (short head type)

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**Technical Specifications:**

- **Model:** PYGB-0913, PYGB-0916, PYGB-0921, PYGD-0907, PYGD-0909, PYGD-0912, PYGB-1114, PYGB-1121, PYGB-1124, PYGD-1107, PYGD-1110, PYGD-1112
- **Types:** Standard fine type, Standard medium type, Short head fine type, Short head medium type
- **Specifications:** 900, 950, 1100, 1400
- **Dimensions:** 2007×2225×1950, 256-620, 270-620, 225-620, 297-600, 270-620, 310-620
- **Weights:** 17000 kg, 2007 kg, 2010 kg, 2015 kg
- **Motor Power:** 115-370 kw, 130-250 kw, 155-250 kw, 170-350 kw
- **Processing Capacity:** 225-620 t/h, 255-620 t/h, 305-620 t/h, 370-620 t/h

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**Image Description:**

- Several images showing different types of cone crushers in various settings, highlighting their specifications and usage. The images are labeled as follows:
  - [Image 0x241 to 313x453]
  - [Image 0x0 to 313x238]
  - [Image 316x0 to 595x271]
  - [Image 316x273 to 595x503]