Feed size: up to 2500 mm (99 in)
Product size: 80 to 400 mm (3 to 16 in)
Throughput capacity: up to 12000 mtph (13228 stph)
Reduction ratio: 1 : 4 up to 1 : 6
Installed power: up to 2 x 1250 kW (1680 hp)
ADVANCED DESIGN, HIGH PERFORMANCE ROLLER CRUSHER

Advanced Design, High Performance Roller Crusher

Roller crushers are used mainly for crushing easily fractured materials such as soft limestone, chalk, and clay to between 1/3 and 1/5 of its original size.

The Fields Of Application

Double roll crushers are used for both, primary and secondary crushing. They guarantee a strictly defined final grain size with a minimum of fine grains.

The Feed Materials

Raw materials, secondary materials and by-products such as coke, sinter, coal, soft to medium-hard rock, ore, chalk, broken glass and similar products.

Double roller crusher 2PG1012
rotor diameter 1000 mm
rotor width 1200 mm
input up to 500 mm
output 95 % < 100 mm
clay 120 t/h
**MAIN CUSTOMER BENEFITS OF DOUBLE ROLLER CRUSHER**

- **Main Customer Benefits Of Double Roller Crusher**
  - With the advanced hydraulic control system, users can adjust the pressure according to the material hardness, so that can press and pulverize the materials absolutely;
  - With sensor, the machine can load relief when overload, so that to protect the machine;
  - The advanced hardfaced technology improves the roller covers’ life;
  - Good performance, low cost in operation and easily maintainence.

- **How To Work With Double Roller Crusher?**
  - The motor drives the fixed roller and movable roller to work via reducer and coupling. Materials are put into the space between the two rollers via the feed entrance. As the two rollers inward turning, the input materials are crushed, pressed, ground, and at last come out from the base of the machine.

- **The Special Characteristics**
  - The crushing rolls consist of the roller bodies, complemented with crushing rings or crushing shells. The rolls are secured either with anchor bolts and end disks, or bolted with screws. In order to facilitate maintenance, the crushing roll shafts are arranged in heavy-duty cast steel housings with lubricated, amply dimensioned spherical roller bearings. Materials used are of highly wear-resistant specially cast alloys in order to achieve long lifetimes of parts.
ADJUSTMENTS AND MAINTENANCE

Changing Operating Conditions Require Adjustments
When the crusher has been running for some months or some years, the raw materials may become harder to crush or a higher output may be needed. The MHC Twin shaft breaker can then be adjusted in several ways.
The size of the drive pulleys may be altered to achieve a higher throughput or a higher torque.
Minor adjustments of the output size can be made by altering the synchronization of the two rotors.

Easy Maintenance
The Twin shaft breaker has four bearings that are continuously lubricated by a grease pump placed in a cabinet. The excess grease in the bearings is discharged inside the machine and ends up in the crushed product. The barrel contains grease for several months and the system is monitored by sensors that trigger an alarm if a malfunction occurs or the grease barrel is empty.
The condition of the wear parts (toothed discs in rotors and cleaning teeth) is easily monitored by taking a glance inside the breaker. The breaker is moved into maintenance position by lowering the wheels at the corners.
Tools and lifting yoke are supplied together with the breaker to facilitate quick and trouble-free maintenance, including replacement of wear parts.
2PGC SERIES DOUBLE ROLLER CRUSHER SECTION VIEW
## 2PGC SERIES ROLLER CRUSHER SPECIFICATIONS

<table>
<thead>
<tr>
<th>Model</th>
<th>Roll diameter (mm)</th>
<th>Feeding Size (mm)</th>
<th>Output Size (mm)</th>
<th>Capacity (t/h)</th>
<th>Motor Power (kw)</th>
<th>Weight (t)</th>
<th>Note</th>
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<tbody>
<tr>
<td>2PGC0405</td>
<td>400×500</td>
<td>&lt;200</td>
<td>0-100</td>
<td>20-55</td>
<td>2×5.5</td>
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<tr>
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<td>2PGC0912</td>
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<td>0-180</td>
<td>130-200</td>
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<tr>
<td>2PGY1212</td>
<td>1260×1220</td>
<td>&lt;500</td>
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<tr>
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<td>200-400</td>
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2PGC SERIES SMOOTH ROLLER CRUSHER SECTION VIEW
### 2PG SERIES SMOOTH ROLLER CRUSHER SPECIFICATIONS

<table>
<thead>
<tr>
<th>Model</th>
<th>Roll diameter (mm)</th>
<th>Feeding Size (mm)</th>
<th>Output Size (mm)</th>
<th>Capacity (t/h)</th>
<th>Motor Power (kw)</th>
<th>Weight (t)</th>
<th>Note</th>
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<td>Hydraulic</td>
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</table>
Questionnaire

To enable us to quote for equipment relative to your particular requirements, it will greatly assist us if all essential information is supplied with the initial enquiry. For your guidance we tabulate the information required:

Material ........................................................................
Material hardness, or chemical content? ............................................
Feed size? (mm) ..............................................................
Your required output size? (mm) ..........................
Capacity required in tonnes / hour ..........................

For more requirement, you can send to me now, or later, to our expert mail dscrusher@yahoo.cn