DPC SERIES SINGLE STAGE HAMMER CRUSHER

- Single Stage Hammer Crusher
- High operating reliability
- Low costs for operation and maintenance
- Simple attendance and maintenance
HAMMER CRUSHERS FOR FINE AND MEDIUM CRUSHING

- The proven and reliable Dsmac DPC series Hammer crusher is a cost-effective solution for processing abrasive and moderately sticky raw materials in one stage. It mainly suitable for crushing various ores the compressive strength of which is no more than 150MPa.

- Hammer crushers for a wide range of capacities can be found in the cement industry where ball mills are part of the grinding plants, in desulphurization lines and lines producing plaster mixtures.
MAIN CUSTOMER BENEFITS OF DPC SERIES HAMMER CRUSHER

DPC series Hammer crusher are ideal for:

- Limestone
- Clean Coal
- Coal with Rock
- Mine Refuse
- Gypsum
- Ferroalloys
- Coke
- Salt
- Shale
- Kaolin
- Glass
- Trona
- Slag
- Ores
- Clay
- Oil Shale
- Hot Sinter

High performance - low operating costs

- Capacity increased by 5-10% Capacity up to 2500 tph.
- Wear parts last longer. The AMC alloy hammerhead (Big Gold Teeth®) enjoys a service life increased by 50~150%.
- The new hammer rotor consists of a heavy, forged, square cross-section shaft fitted with cast steel rotor discs. The special "sandwich" assembly of the discs is a robust construction, preventing distortion and crack formation.
- Easy to service and maintain.
TO GET PROCESS BENEFITS

- **Hydraulic opening of crusher housing**
  Another feature that reduces downtime and makes servicing of the crusher safer is the hydraulic opening of the crusher housing. Installing two hydraulic cylinders, appertaining brackets and a set of hinges enables the crusher to be opened within 5 - 10 minutes.

- **Hydraulic tool for changing of hammers**
  A hollow hydraulic cylinder placed in a rigid frame is provided to handle the hammer bolts when turning or changing hammers. A mobile hydraulic power unit supplies the hydraulic pressure to operate the cylinder.

- **Controlling the final product**
  The outlet grate assembly is equipped with sturdy, replaceable grate bars supported by heavy cheeks. The position of the outlet grate assembly can be adjusted in order to control the crushed product. This takes place hydraulically from outside the crusher casing.
METHOD OF OPERATION

The feed material is processed in three stages:

1) The first stage is effected by percussion and impact as the material is gravity-fed into the tip circle of the hammers.

2) The material then passes onto the anvil located centrally between the rotors, where it is crushed further by percussion and shear forces.

3) The material flow is spread over the following discharge grates, where the product granulometry is separated and discharged through the grates. Any remaining material continues to be processed until it, too, can pass through the grate gap. The grate bar gap spacing determines the end product size.

The crusher housing is lined with handy and easily replaceable wear plates.
## SINGLE STAGE HAMMER CRUSHER SPECIFICATIONS

<table>
<thead>
<tr>
<th>Type</th>
<th>Rotor Size (mm*mm)</th>
<th>Capacity (t/h)</th>
<th>Hammer Quantity</th>
<th>Feeding size (mm*mm)</th>
<th>Max Feeding Granularity (mm)</th>
<th>Discharging Granularity (mm)</th>
<th>Motor Power (kw)</th>
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</thead>
<tbody>
<tr>
<td>DPC1412</td>
<td>Φ1420*1194</td>
<td>80–150</td>
<td>28</td>
<td>1300*1320</td>
<td>500<em>500</em>800</td>
<td>90%≤25</td>
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<td>DPC1616</td>
<td>Φ1650*1630</td>
<td>150–220</td>
<td>32</td>
<td>1500*1785</td>
<td>800<em>800</em>900</td>
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<td>355</td>
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<td>Φ1850*1730</td>
<td>240–400</td>
<td>40</td>
<td>1755*1780</td>
<td>800<em>800</em>1000</td>
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<td>DPC2018</td>
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<td>350–450</td>
<td>40</td>
<td>2040*1860</td>
<td>1000<em>1000</em>1000</td>
<td>90%≤25</td>
<td>710</td>
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<tr>
<td>DPC2022</td>
<td>Φ2228*2460</td>
<td>400–600</td>
<td>50</td>
<td>2095*2380</td>
<td>1000<em>1000</em>1200</td>
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<td>800</td>
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<td>Φ2228*2460</td>
<td>600–800</td>
<td>50</td>
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<td>800</td>
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<td>700–900</td>
<td>50</td>
<td>2095*2380</td>
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<td>90%≤25</td>
<td>800</td>
</tr>
<tr>
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<td>Φ1850*1890</td>
<td>800–1000</td>
<td>40*2</td>
<td>2030*2080</td>
<td>1100<em>1100</em>1500</td>
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<td>630*2</td>
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<tr>
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<td>Φ2018*2237</td>
<td>1200–1500</td>
<td>50*2</td>
<td>2670*2460</td>
<td>1000<em>1000</em>1500</td>
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<td>800*2</td>
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<tr>
<td>2DPC2325</td>
<td>Φ2300*2508</td>
<td>1600–2000</td>
<td>66*2</td>
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<td>1100<em>1100</em>1500</td>
<td>90%≤75</td>
<td>1125*2</td>
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</tbody>
</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