



BARODA IRON & ENGINEERING Co. PVT. LTD

INNOVATIVE TECHNOLOGY for CRUSHING



B I E P L

HAMMER CRUSHER

Application

Baroda Iron crusher is an excellent choice especially if your output and productivity demands are stringent. Hammer mill is used when higher reduction ratio or smaller product size are required. It is swing hammer reversible type crusher and mainly used for primary, secondary and tertiary application. High speed hammer mills are used to crush limestone, dolomite, clinker and other medium hard material, especially in cement plant. Slower speed hammer mills are used to crush coke, coal and other soft materials.

Operating Principle

Crushing is done by means of "Impact force" between swing hammers and breaker plate/grinding jib. Initially, crushing takes place by Impact force and when material passes through crusher chamber, crushing takes place by shearing and attrition. Desired product size can be achieved by gap adjustment between hammer and grinding jib.

Constructional Features

Crusher mainly consist of crusher housing, rotor assembly with hammer and hammer arms, hinged grinding walls and grate/without grate (Open bottom). The top cover can be opened through mechanical or hydraulic arrangement. Gap setting can be done by mechanical or hydraulic arrangement. Hydraulic system shall be provided as per request from customer. Hammers and grinding jibs are made of alloy steel casting suitable to application. Drive system shall be either V belt - jack shaft or direct drive with fluid coupling and gearbox.

Key Features

- Hammers can be replaced easily and pin-bush connection between hammer and hammer arm makes it possible to change hammer only when worn out. No need to change hammer arm frequently.
- Open bottom design ensure no clogging
- Unique design of hammer and hammer arm can give finer and uniform products.
- Unique design of grinding jib ensures higher reduction ratio

Technical Data Sheet

Rotor Diameter (mm)	Rotor length (mm)	Approx. Motor KW
400	400 to 600	9 to 11
600	600	18.5 to 22
800	400 to 1000	22 to 75
1000	600 to 1200	45 to 90
1200	800 to 1200	55 to 160
1400	1400 to 1600	225 to 300
1600	1600 to 2000	300 to 450

Note:

Baroda Iron & Engineering Co. Pvt. Ltd. reserves the right to make changes to the information on this data sheet without prior notification to users.



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