

Primary Impact Crusher



Design by : www.corefocus.in



AMBICA
CRUSHTECH PVT. LTD.

More detail please visit us www.kohinoorjawcrushers.com

FIELDS OF APPLICATION

Primary Impact Crushers are used for size reduction of medium-hard and hard materials.

FEED MATERIALS

Limestone, gypsum, potash, overburden, slag.



Primary Impact Crusher, type 1110/16-20

DESIGN

The beater ledges can be designed individually using various types of materials, depending on the specification.

The housing is protected by replaceable wearing plates in the areas which are subject to a high degree of stress. Easy maintenance is ensured by inspection flaps and a hingeable housing.



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MODE OF OPERATION

After entering the crushing radius of the rotor, the feed material is grasped by the firmly fixed beater ledges and crushed by impact force against the upper and lower impact rocker. During impact crushing the material tears apart along its natural parting planes resulting in a final grain with a high cubic proportion. The setting of the impact rockers towards the radius of the rotor (gap width) and the circumferential rotor speed are major factors in determining the reduction ratio and the particle size distribution. The impact rockers are spring-mounted to allow foreign particles to pass without causing damage to the machine.

VERSATILITY

- Primary Impact Crushers can be driven at a constant or a variable speed
- hydraulically adjustable impact rockers for compensation of wear and variation of grain spectrum
- impact rockers may recede in case foreign particles enter the machine

SPECIAL FEATURES

The basic rotor body for hard rock is designed as a sturdy, forged steel construction. The contact surfaces of the beater ledges, made of extremely hard wear-resistant material, are ground and easy to replace by cams and grooved bars. An efficiency level of 60% can be obtained by turning the beater ledges. The impact plates are also made of wear-resistant and durable materials. In the areas where they are subject to the highest degree of wear, they are re-located to round cam bars to facilitate replacement of impact plates.

ADVANTAGES

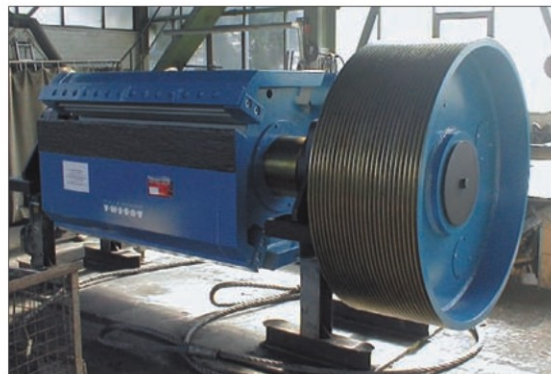
- high and constant throughput capacity
- final grain with high cubic grain proportion
- high level of operational safety
- easy replacement of wear parts
- maintenance-friendly design
- high reduction ratio
- grinding wall (optional)

SCOPE OF APPLICATION

- feed size: up to approx. 1500 mm
- product size: < 50 mm depending on the feed size
- capacity: up to 2500 t/h
- reduction ratio: up to 1:20
- required power: up to 2000 kW



Beater ledges



Rotor



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