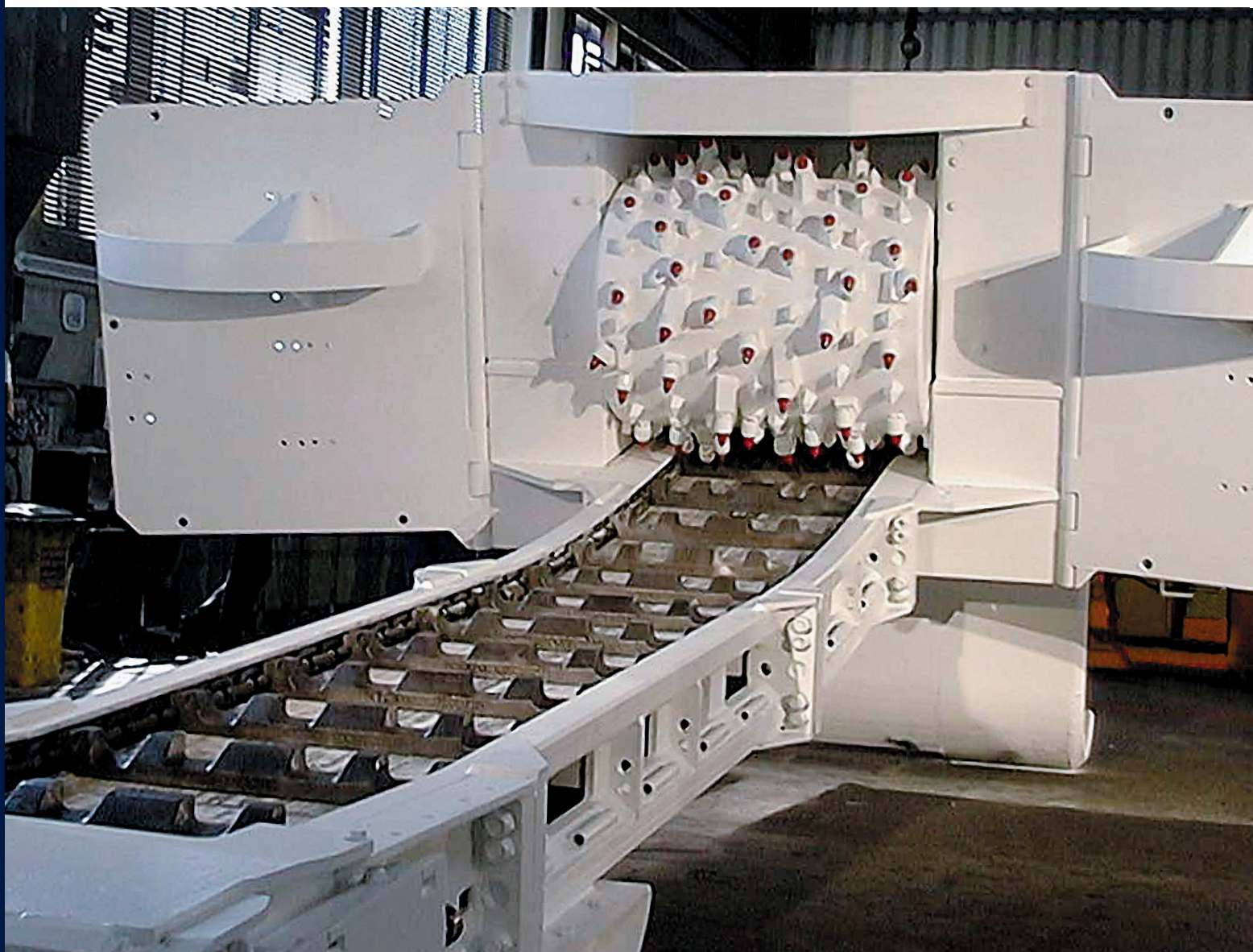


HAZEMAG



HAZEMAG Feeder Breaker | HFB





HFB – Crushing in horizontal material flow

HAZEMAG HFB – low investment costs, high crushing degree

The HAZEMAG Feeder Breaker HFB is a complete horizontal roll crushing plant which works according to the field-proven principle of crushing in the horizontal material flow.

The horizontal Feeder Breaker mainly consists of two components: the crushing roll and the chain conveyor. The arrangement of the crushing roll above the chain conveyor permits using the conveyor as a feed and discharge unit.

Design and arrangement of the bits on the crushing roll as well as of the flight bars in the conveyor decisively determine the achievable end product. By means of an adjustable crushing gap of the crushing roll and the conveying speed regulation of the chain conveyor the granulation size may be adjusted to variable customer requirements during the operation.

The compact design which results from the horizontal material flow, the low material feed height as well as various options permit the application in many fields above as well as underground with the following feed materials:

- potash and rock salt
- gypsum and chalk
- coal
- slags
- petrol coke
- etc.

Feeding of the HAZEMAG Feeder Breaker HFB may be effected directly by wheel-loader, excavator or truck. Depending on the application single or double drives are used on the crushing roll or chain conveyor. Power transmission may optionally be effected via gears or V-belt drive.

HFB – HAZEMAG Feeder Breaker			
Type	Average feed size [mm]	Throughput rate [t/h]	Drive capacity [kW]
HFB 0714	500 x 1,300 x X	250 - 500	90 - 160
HFB 1014	800 x 1,300 x X	500 - 1,000	110 - 200
HFB 1111	1,200 x 1,100 x X	300 - 500	90 - 160
HFB 1414	1,500 x 1,400 x X	700 - 1,100	132 - 320

Values are variable and can be aligned to the particular requirements.





Special advantages of the HAZEMAG HFB series

- Crushing of feed material to suitable size for belt conveyor transport directly on mining site
- At-grade material feeding without pit or hopper
- Assembly without foundation
- High efficient quarry operation due at-front crushing

Further possible equipment alternatives

- Feed hopper
- Integrated roller screen in chain conveyor
- Variable length of chain conveyor
- Arrangement of picks depending on task

The following mobile alternatives are possible

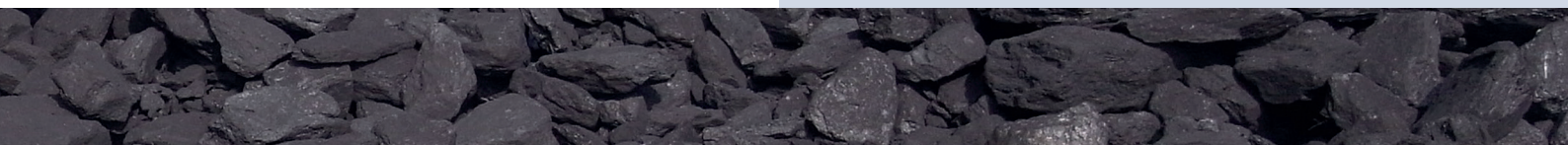
- Steel structure with skids
- With free-rolling crawler
- With powered crawler undercarriage



Natural hopper in the feeding area



Feed size up to 1.500 mm





HFB – HAZEMAG is the expert for Feeder Breaker

The HAZEMAG HFB series is a modularly designed system which performs various tasks in the mining industry, on storage and reloading points as well as in the bulk goods industry. By means of different equipment versions the plant may be modularly adapted to the operators' individual requirements and wishes.

By integrating a HAZEMAG roller screen into the chain conveyor the operator has an option to substantially optimizing the volume flow towards the crushing roll. With the same type of plant and a roller screen being integrated the plant's total throughput rate considerably increases. A vital advantage of the integrated prescreening is the reduction of fines in the product granulation size.

Granulation curve HFB

