HAZEMAG



HAZEMAG
Horizontal Impact Roll Crusher | HHI

MinPro HAUSHERR Salzgitter TURMAG



HHI –
Crushing in horizontal material flow

The horizontal impact roll crusher of the HHI series mainly consists of two machine components: the impact roll and the chain conveyor. The arrangement of the crushing roll above the chain conveyor permits to use the chain conveyor as feed and as discharge conveyor. This system for crushing has proved itself in numerous applications in coal and ore mining above and underground, in the natural stone industry and in the recycling of concrete and rubble.

The procedure of feeding the material to a rotating impact roll via an at-grade chain conveyor, to crush and then discharge it, is the basic principle of the HAZEMAG HHI – a horizontal and thus deflection-free material flow. It permits an extremely compact design with very high throughput rates.

The impact roll crusher is standardly equipped with complete control unit including PLC control which monitors the power consumption on the impact roll as well as on the chain conveyor. The control automatically protects the plant against blockages and in case of overload, thus enabling the plant to be operated fully automatically. Throughput rate and product size can be influenced by the height adjustment of the impact roll as well as by the chain conveyor's conveying speed by means of frequency converter.

The HAZEMAG HHI series is a modularly designed system with the objective of fulfilling many different tasks in the mining and bulk goods industry. Modular equipment options allow for a selective adaptation to the operators' specific requirements and wishes.

HFB – HAZEMAG Impact Roll Crusher

Type	Feed size up to [mm]	Throughput rate [t/h]	Drive power of roll [kW]
HHI 1515	1,000 x 1,400	500 - 1,800	160 - 500
HHI 1518	1,100 x 1,750	800 - 2,500	315 - 630
HHI 1521	1,100 x 2,100	1,000 - 3,000	500 - 630
HHI 1525	1,100 x 2,400	1,200 - 4,000	630 - 750

*Data are variable, depend on the feed material and can be adapted to the particular requirements.









Large feed material on the chain conveyor in front of crusher inlet (copper ore, underground)



Compact plant design – perfect for narrow underground mining conditions (tunneling)

Particular advantages of the HAZEMAG HHI series

- Crushing of the feed material directly on site
- At-grade material feeding
- Suitable for narrow underground conditions and tunneling
- Set-up without foundations
- High crushing ratio

Further equipment options

- Feed hopper
- Pre-screening with integrated roller screen HRS
- Variable length of chain conveyor

Possible mobility options

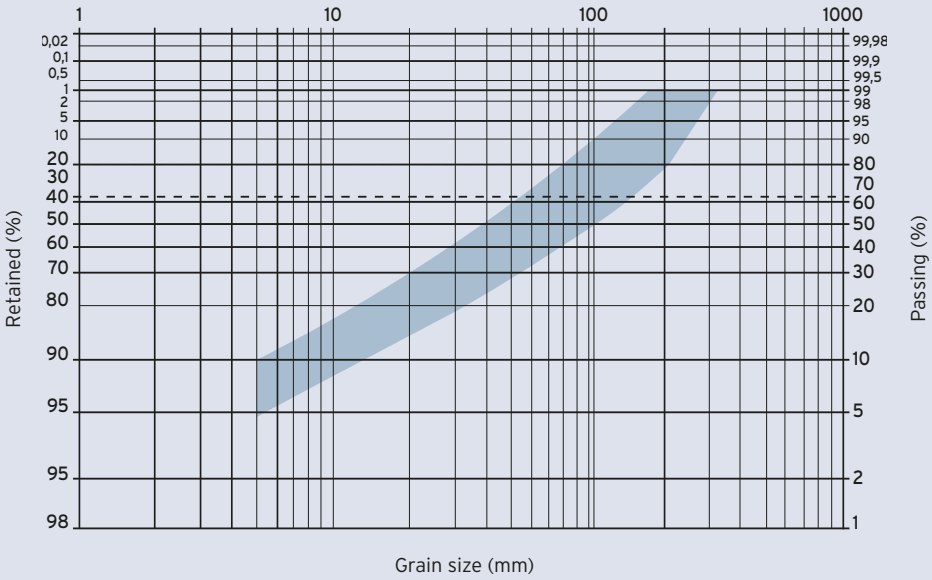
- Steel substructure / skids
- With powerless crawler track assembly
- With powered crawler track assembly



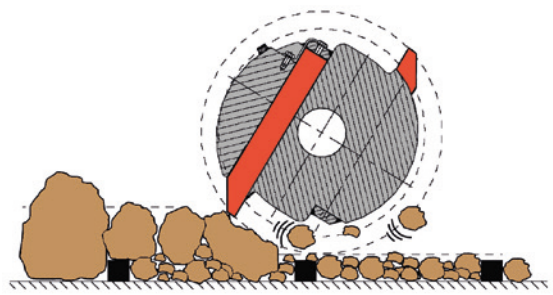


HHI – modular with high throughput rate

HHI – grain-size curve



Reduced wear costs due to re-adjustable impact elements



HHI – material situation inside the crushing chamber

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