



HAZEMAG product info

A legend returns

HAZEMAG AP-K 51



The HAZEMAG AP-K 51 is a totally re-designed and technically updated version of the legendary HAZEMAG AP-K 50 hard rock impactor, one of the most successful impactors of its kind in the world. For the crushing of extremely abrasive materials, such as pyrites, granite, basalt, gneiss, glass and firebrick, this machine is characterised by its robustness and efficiency coupled with its ability to generate a fissure-and stress-free product of the desired cubicity according to a prescribed granulometry curve.

Because of the continuing demand for such a machine, HAZEMAG have carried out a complete redesigning programme and are now in a position to offer the new AP-K 51 with its state of the art crushing technology at an extremely attractive price. The new design, which includes the updating of the complete crushing chamber configuration, has resulted in an increased throughput capacity and an improvement in crushing efficiency whilst at the same time reducing wear rates considerably.



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The rotor chosen for the AP-K 51 is HAZEMAG's new SQ-type rotor, which brings about significant wear rate reductions and product refinement. The blow bar clamping system is effected by means of well-tried and -tested retaining wedges, which means that highly wear-resistant materials can be used for the manufacture of the blow bars. Blow bar changing is easily and quickly carried out from the side of the machine. Particular mention should be made here of the excellent blow bar utilisation rate (50%).

The hinged housing rear section can be opened together with the side wall and both impact aprons. Doors at the front of the machine provide access to the impactor over its full width for easy servicing and wear part replacement.

If there is a need to reduce product oversize and improve cubicity still further, a hydraulically- or mechanically-actuated grinding path can be fitted as an option. Retro-fitting is simple enough to be carried out by operators themselves if desired.

Various impact apron support systems are available, the simplest method being a straightforward mechanical spring and spindle system, which can be subsequently replaced if required by a hydraulically-actuated system. The result is the high degree of adjustment, product quality and insensitivity to tramp metal which are the hallmarks of all HAZEMAG machines. A further stage of development is the acclaimed HAZtronic® System, by means of which the necessary adjustments to the impactor can be carried out from the control desk. If this system is then used in conjunction with a variable-speed drive, all essential impact crushing parameters can be influenced, enabling products to be generated according to specific recipes in order to meet changing market requirements.

The impactor can handle between 200 and 300 t/h according to type of material and product specification. For example, a material with a feed size of up to about 220 mm can be processed to generate a product 95% minus 35 mm. For the many customers who are still using the old AP-K 50, it is important to know that the new AP-K 51 has exactly the same foundation mountings as the old machine. In other words, any replacement can be carried out in a short space of time with no complications. Existing rotors can be used in the new machine.