

EQUIPMENT SPECIFICATION

BONFIGLIOLI DRAKE 2000-16 HM

The Drake 2000-16 Hammermill HM is a compact hammer mill type metal shredding system. This model is capable of efficiently shredding the following types of metal scrap ;

- Light scrap metal
- Entire mixed metal scrap bales
- Car Bales
- Entire cars including engines, transmissions, running gear etc..
- Aluminium and other types of non-ferrous material

OPERATION

The loading hopper is generally charged with an elevated cab type material handler using a grab or magnet. To achieve optimum production it is best if the loading hopper is constantly maintained full of scrap. This optimizes the shredding operation inside the chamber. The material placed into the charge hopper does not need to be pre-sheared or compressed. The machine will automatically compensate and size material to the dimensions of the hopper to allow it to enter the shredding section from the feeding chamber. There is no risk of overloading the hopper or system. The shredding operation, including material in-feed, is electronically monitored. Machine controls will match and balance machine operation function with volume of material.

The downstream is fully automatic making the job of the person monitoring the overall shredding operation easier and more effective. The mill rotor is protected from damage by a patented clutch system. The mill plant is equipped with a conveniently located knock out door with hydraulic access. The door is manually operated and allows service personnel to remove obstructions as well as to perform routine maintenance such as changing hammers (approx 4-5 hrs to complete), checking the status of internal lines and generally monitoring the condition of the unit.

TECHNICAL DATA

Diesel Power		1 x Caterpillar 960HP
Fuel	Gas/oil	
Dust Aspiration Plant		
Hydraulic plant		
Working pressure	250 bar	
Oil tank capacity	110 litres	
Rotor	16 Hammers	
Rotor rpm	950-1000	
No of axles	4	
Hammer weight	168 kgs	
Production capacity	18-25 tph	

COMPLETE PLANT

The complete plant is supplied as follows;

- Loading hopper (Hardox 500)
- Central body with rotor, hammers, grid and diesel engine
- 2 x Vibrating units
- 2 x Permanent magnets
- 2 x 5m Conveyors
- 1 x 10m Conveyor
- Dust aspiration plant

SPARE PARTS

A full set of spare to undertake the first maintenance of the machine is included.

- 2 x sets of hammers
- 2 x sets of axles
- 1 x Hammer extractor
- 1 x set of hydraulic filters
- 1 x set of sensors for bumper and clutch
- 1 x water pump
- 1 x rpm reader
- 1 x set of valves
- 1 x set of flexible hoses for aspiration plant
- 1 x set of rubber belts for conveyors
- 1 x set of gearboxes for conveyors, magnets and vibrating plants
- 1 x set of filters for mud separation and dust aspiration plant
- 1 set of side walls for loading charging hopper

WARRANTY

Bonfiglioli offer a 3yr warranty on rotor and framework, 2 years on hydraulic parts. Engine bears the same warranty given by the manufacturer. All consumables are excluded from the warranty.

YEAR OF MANUFACTURE

2021 – machine unused.