

Meccanica Breganzese S.p.A., Breganze, Italy

A variety of bucket crushers

Italian based company MB Meccanica Breganzese S.p.A. manufactures bucket crushers, suitable from 8 tons to more than 28 tons. These hydraulically operated tools, which are

based on the traditional jaw crusher technology, provide lots of benefits in multiple areas of application in the aggregates and recycling industry.

MB Meccanica Breganzese S.p.A. manufactures four basic models: BF 60.1 is the smallest in the range, suitable for excavators in the 8 to 14 ton class, the BF 70.2 for excavators from 14 to 20 tons, as well as the BF 90.3 for excavators from 20 to 28 tons, and the largest model, the BF 120.4, for excavators weighing more than 28 tons.

output material piece size is adjustable between 20 and 100 mm, while average hourly production is between 9.1 and 19.8 m³, depending on the required product size.

The company produced the world's very first bucket crusher, thus creating a previously inexistent market niche (crushing and recycling were hitherto the domain of leviathan dedicated mobile crusher with crawler undercarriage and feeding hopper).

BF 70.2

This bucket weighs 2.25 tonnes and is recommended for excavator weights of between 14 and 20 tons. Crusher jaw opening is 70 x 55 cm and bucket capacity is 0.6 m³. The output size is adjustable between 20 and 120 mm, with average hourly output of between 12 and 30 m³ (depending on the required product size).

Productivity is high: the crushed material can be recycled directly on site as prescribed by legislative provisions resulting in a significant reduction of costs. On the other hand, the level of versatility is very high: all that is needed is a standard excavator – part of the normal plant at the disposal of large and small companies – in order to work efficiently. The bucket crusher is a hydraulic tool, designed starting from traditional jaw crusher technology, although unlike a conventional crusher, a bucket crusher is operated by hydraulic power provided by the excavator on which it is installed, with which it functions in synergy.

BF 90.3

The first bucket crusher to be manufactured and marketed, model Bf 90.3 weighs 3.5 tonnes and is recommended for excavators of 20 to 28 tons in weight. Crusher jaw opening is 90 x 45 cm and bucket capacity is 0.75 m³ with an output size ranging from 20 to 120 mm. The average throughput is between 18 and 40 m³ per hour.

The bucket makes it possible to pick up the rock to be crushed and then to pile it onto trucks or use it for back filling on the site, thus speeding up worksite processes. The reduction in outlay costs is clear because this system makes it possible to reuse inert materials without having to take them to a landfill, thus saving on disposal costs, while the ability to crush different types of materials makes it possible to use them directly on the building site (filling of foundations, roadbeds, etc.). The main areas of application of these tools are rock breaking or crushing of quarry material, the earthmoving sector, demolition, excavation, land reclamation and road works.

BF 120.4

The largest bucket in the range, is weighing 4.9 tonnes and recommended for excavators from 28 tons up. Crusher jaw opening is 120 x 45 cm and bucket capacity is 1 m³. The output size is adjustable between 20 and 120 mm with average hourly output between 25 and 50 m³, depending on the required product size.

With bucket crushers any type of material can be crushed in situ and in any type of situation, with a significant reduction of operating costs. Thanks to their production capacity, bucket crushers can be utilised in small, medium-sized and large worksites, thus dispensing with both plant hire and transport costs. The problem of waste disposal is eliminated and the product output becomes the required size.

Product range

BF 60.1

The smallest bucket in the range weighs 1.5 tonnes and is recommended for excavators in the 8 to 12 ton class. Crusher jaw opening is 60 x 45 cm and bucket capacity is 0.5 m³. The



The largest bucket in the range: BF 120.4

Iron separator

The new iron separator system provides a fitting response to an enduring problem: the difficulty of separating ferrous metals out of crushed materials. Available for all MB bucket crusher models, this device is composed of a 250 kg magnet, a magnet support, and an installation kit, and once installed on the bucket it facilitates the separation of ferrous materials from inert material to be crushed.

This new device is straightforward to install (the assistance of a specialist vehicle electrician is preferable) thanks to the specific support (from a minimum of 75 kg for model BF 60.1 up to 115 kg for the BF 120.4 bucket) that MB supplies to its customers. ■

Further information:



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Hartl Anlagenbau GmbH, Mauthausen, Austria

First showing for two new mobile crushers

Hartl, the Austrian construction plant company, took advantage of the recently held Mawev Show 2009 in order to launch two brand new mobile crushers - Power-

crusher PC1 and PC2. Both models were entirely manufactured in the new production facility at St. Valentin, Austria.

The company's office complex at the headquarters in Mauthausen, Austria, had been enlarged in 2000/2001. With the recently completed construction of the modern production facility in St. Valentin, there has now followed a further major step in the future of the construction plant company making mobile screening and crushing machines.

In the space of a year, a production facility with a surface area of 12,000 m² was erected on a plot measuring 60,000 m². In future, up to 400 Powercrushers per year can be manufactured and assembled here using the latest production methods whilst maintaining high quality criteria. Optimum production sequences are a particular advantage of the production system that



The new Hartl Anlagenbau GmbH production facility at St. Valentin, Austria