



MB BUCKET CRUSHERS

The innovation that revolutionises site operations

The world leader in the construction and sale of jaw-action bucket crushers, MB S.p.A. manufactures four basic models: BF 60.1 (the smallest in the range, suitable for excavators in the 8 to 14 ton class), BF 70.2 (for excavators from 14 to 20 tons), BF 90.3 (for excavators from 20 to 28 tons), and the largest model, BF 120.4, for excavators weighing more than 28 tons.

MB 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).

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.

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 areas of application of these tools are numerous

- demolition,
- building construction in general
- the earthmoving sector
- excavation
- road works
- quarrying and mining
- land reclamation and vineyard trenching
- rock breaking or crushing of quarry material.

Highly versatile MB bucket crushers mean:

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

Thanks to consolidated mechanical engineering know-how and constant investments in technology and innovation, MB products improve work quality and provide the ideal solution to all problems associated with crushing.

MB's FOUR BATTLEHORSES

BF60.1:

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 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).

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).

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.

The output size is adjustable from 20 to 120 mm, with average hourly output of between 18 and 40 m³ (depending on the required product size).

BF 120.4:

The largest bucket in the range, 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).

IRON SEPARATOR

Thanks to our ongoing research to find innovative solutions capable of simplifying crushing operations, the new iron separator system provides a fitting response to an enduring problem: the difficulty of separating ferrous metals out of crushed inert materials.

Unveiled at the end of 2007 at the SAIE trade fair in Bologna, this system gained the immediate and enthusiastic approval of bucket crusher users.

Available for all MB bucket crusher models (BF 60.1, BF 70.2, BF 90.3 and BF 120.4), 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.