



Ecomeca has developed a MECA bucket crusher for excavators. A new and innovative way to crush mineral based construction and demolition waste efficiently to reusable piece sizes

The basis of our operation from the start has been to combine efficient, economical and ecological functions to our machines. Following these principles we have created our MECA bucket crusher.



MECA bucket crusher

In the planning process, we paid special attention to durability, easy maintenance and long life of wear parts. These qualities are achieved by distinct and efficient structure, high quality components and easily replaceable wear parts.

MECA bucket crusher is available in three different sizes for 23 – 45 ton excavators. The crusher can be mounted as a face shovel or a backhoe.

Operating principle

Demolition waste is scooped up. By tilting the bucket it is fed to the drums. The first drum screens the fine material and transfers bigger pieces to the crushing drum, where the pieces are crushed against the crushing plate. By adjusting the crushing plate, produced particle size can be regulated between 150 and 50 millimetres.

In the crusher design we have considered especially the operational reliability. Because of this the material flow is smooth and works even in challenging circumstances. E.g. crushing concrete in wet conditions or asphalt in warm ones is not a problem.



Material

With our MECA bucket crusher you can crush concrete, bricks, asphalt, etc. efficiently and effortlessly. Rebar, wood, plastic, or other materials at demolition site will not cause any problems.



Crushed concrete is an excellent material for the foundations of roads, buildings and other structures. It is possible to achieve the same load bearing capacity with less crushed concrete than traditional rubble.



The best gain is achieved if the crushed material can be utilized right at the demolition site. This helps to minimize the cost.





ECOMECA

CRUSHING EFFICIENCY

Why MECA?

- ⑩ MECA crusher moves with the excavator, you won't need separate transportation equipment.
- ⑩ Efficiency, screening of fine particles and construction of the crusher enable high capacity.
- ⑩ Daily output can be over 2000 tonnes.
- ⑩ Low operating cost.
- ⑩ Very fast repayment period.
- ⑩ All stages of demolition can be done by one person.
- ⑩ Being able to crush to required size, produced size adjustable between 150-50 mm.
- ⑩ At the demolition site you can save in logistic and material expenses, when crushing on site and using the crushed concrete as material for the new foundation.
- ⑩ If using recycling centres for the disposal of demolition waste, you will generally be charged more for receiving uncrushed concrete.
- ⑩ Is suitable for work sites where big crushers won't fit or are not permitted to enter.



Technical details

Model	MECA 110	MECA 145	MECA 180
Volume (m3)	1,10	1,45	1,80
Weight (empty & without adapter kg)	3695	4170	4645
Input opening size (mm)	420*795	420*1100	420*1305
Output size adjustable (mm)	50-150	50-150	50-150
Drums pcs	2	2	2
Number of hammer bits (pcs)	20	30	40
Hydraulic oil requirement (l/min)	240-280	240-280	240-280
Max. hydraulic pressure (bar)	280	280	280
Excavator recommendation (t)	23-35	27-40	32-45

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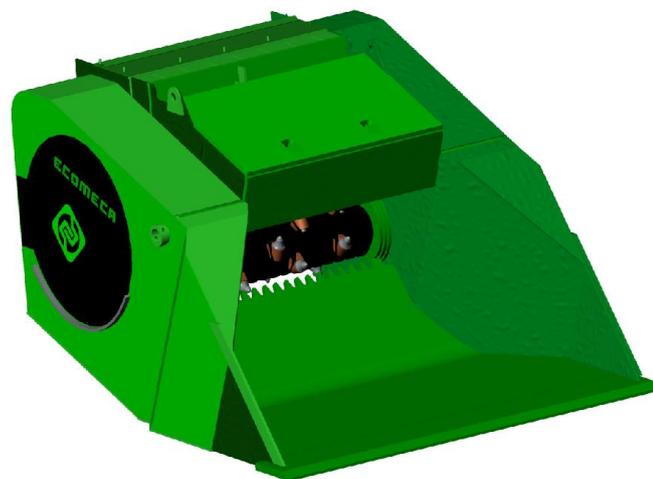
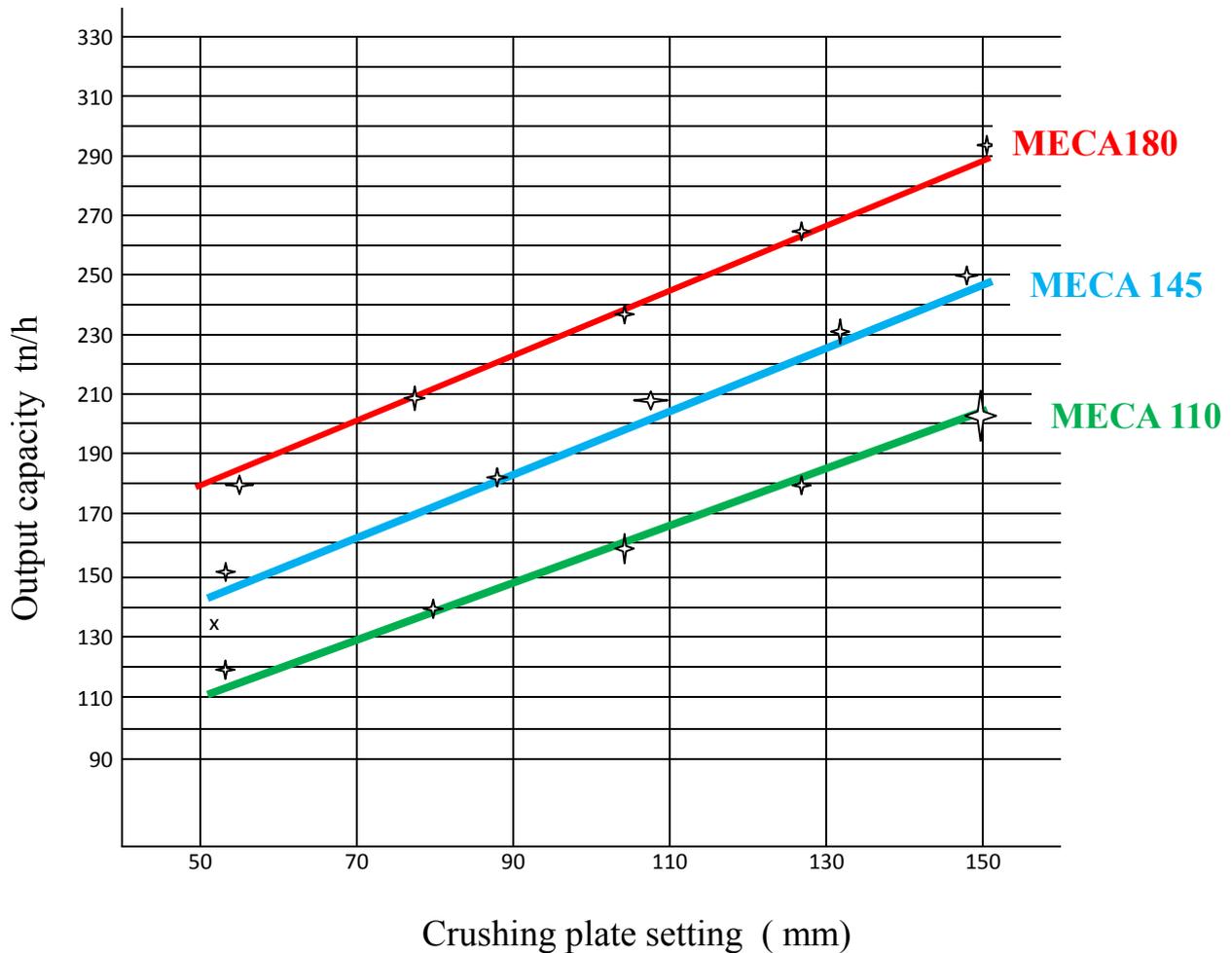
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The capacity of MECA Crusher's when crushing the pulverized construction waste like, bricks and concrete.



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