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EXCAVATOR BUCKETS FOR MACHINES OVER 50 T



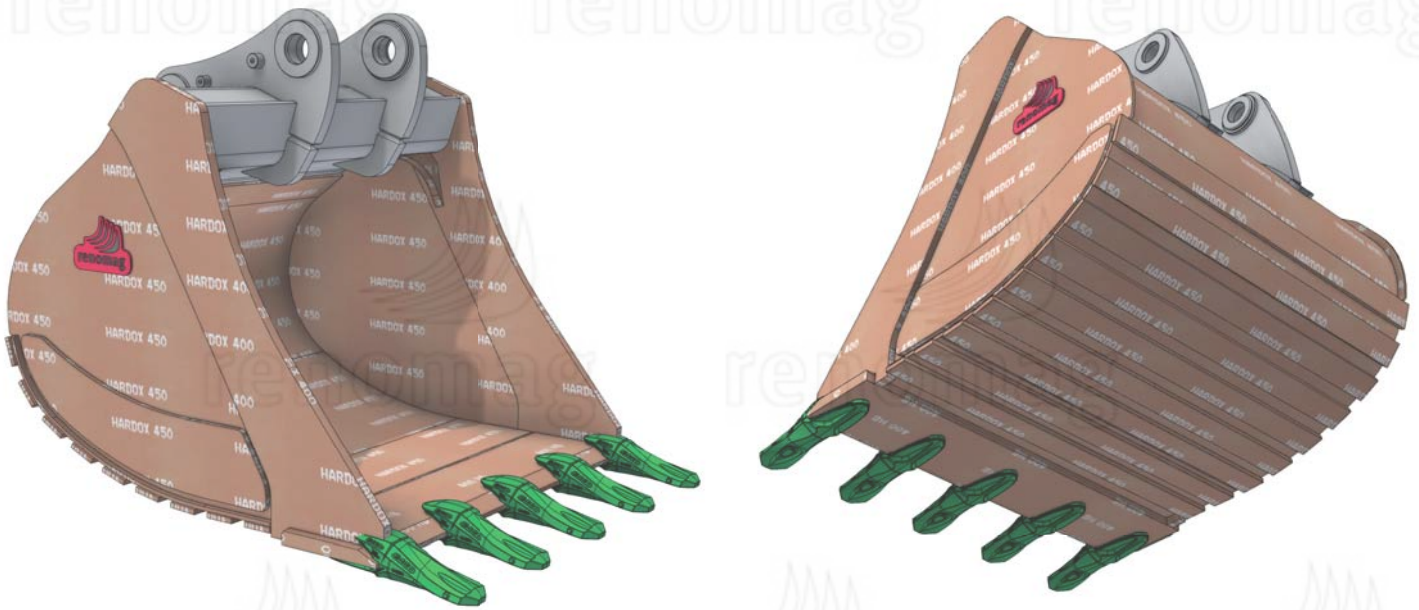
PRODUCTS



For big excavators working at construction sites and mining in mines and quarries, we manufacture buckets made of the best quality materials with an emphasis on strength and abrasion-resistance. The design is optimized for specific makes, machine types and operating conditions. Our custom-made excavator buckets provide high performance to match exactly customer requirements for economical, faultless and profitable machine operation. The Hardox In My Body™ certificate certifies the originality of the materials used and guarantees unrivalled performance, long life and savings for users.

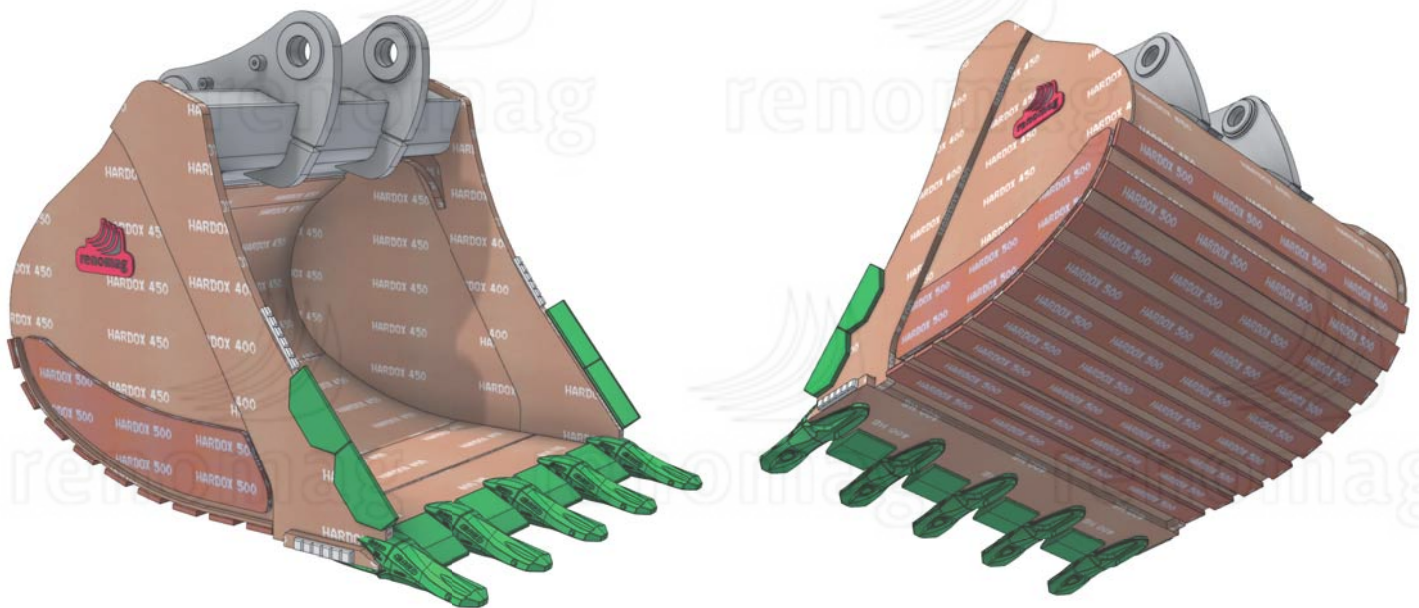
Excavator buckets for machines above 50 t

HD DESIGN



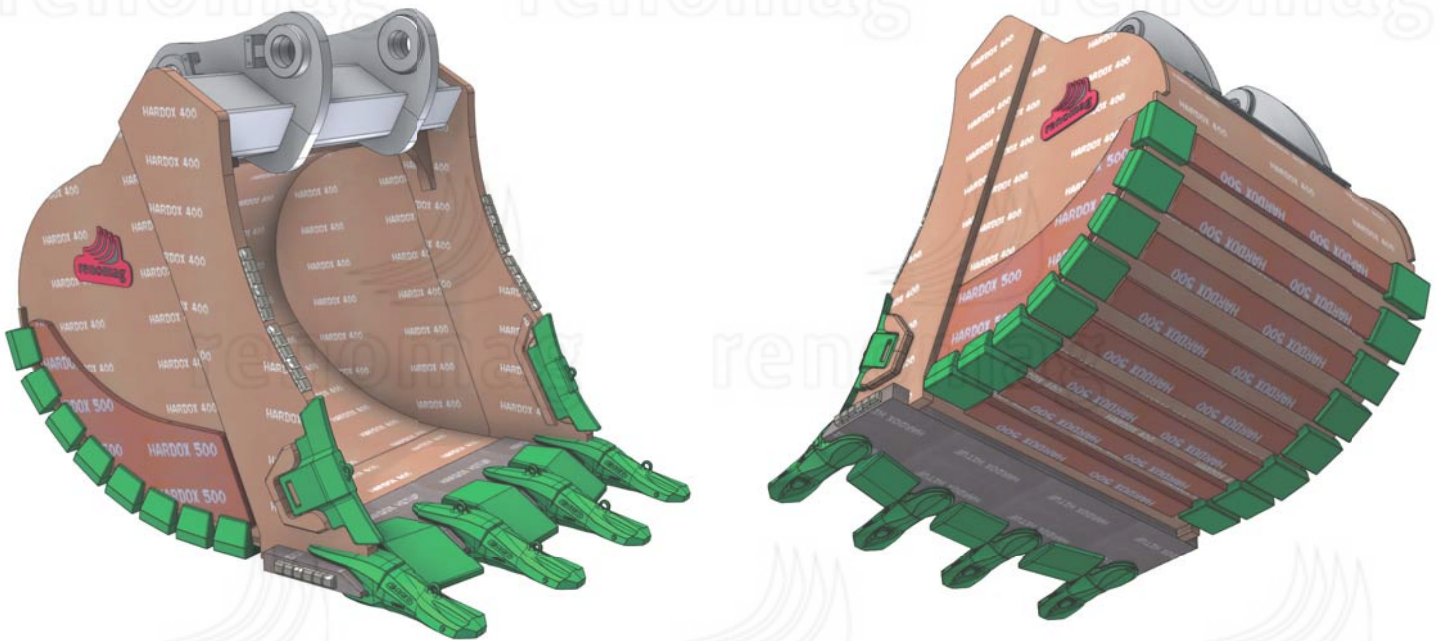
Reinforced HD excavator bucket optimized for machines in the weight category over 50 tonnes are ideal for earth works and loading of materials in workability classes 4 and 5. They are designed for digging in medium disintegrable materials such as compact clay, soil with sand or gravel, broken or weathered granite, slate, marl, building waste and frozen soil. Its design is reinforced at heavily loaded places and wear resistant; the abrasion-resistant bottom is reinforced with outer cross plates, kinematic parameters and size of teeth optimized for the specific model of excavator.

XHD DESIGN



XHD rock excavator buckets for machines over 50 t are primarily intended for work with abrasive materials in workability class 5 or higher. It is namely intended for more demanding work in heavy soils and for manipulation with disintegrated materials such as granite, basalt, sandstone etc. The bucket body is reinforced at the heavily loaded places, the reinforced edge with tooth system and the bucket shape are optimized for the specific excavator type. Sides and bottom equipped with a thick abrasion-resistant armouring. The space between teeth and lower parts of sides are protected by weld-on (or, optionally, easily exchangeable cast protective parts); the upper part of sides and faces of edge are made of VIDA material of 700 HB hardness.

XXHD DESIGN

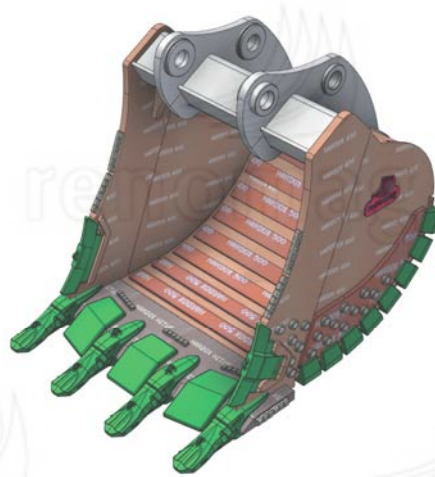


The extra rock excavator buckets XXHD are intended for excavators heavier than 50 tonnes used for the most demanding works. They are designed for everyday work with abrasive materials of workability class 5 or higher as well as solid rocks of class 7 disintegrable using explosives, namely in stone quarries. The bucket is reinforced, the reinforced edge with tooth system of appropriate size and the bucket shape are optimized for the specific excavator type. Sides and bottom are equipped with a robust abrasion protection and reinforced with side parts made of abrasion-resistant cast iron at the most loaded places. The space between teeth and lower parts of sides are protected by weld-on (or, optionally, easily exchangeable cast protective parts); the upper part of sides and faces of edge are made of VIDA material of 700 HB hardness. Edge type: straight, spade or modified.

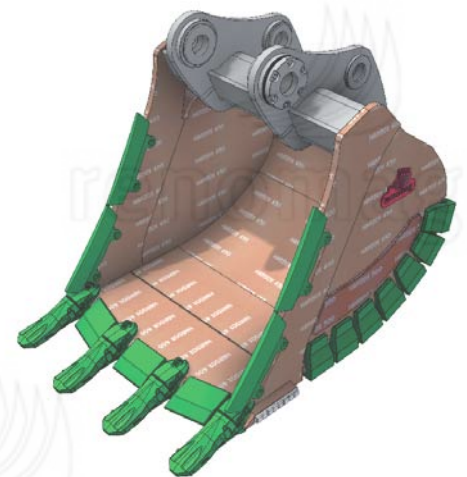
EXAMPLES OF MODIFIED BUCKETS CUSTOM DESIGN AS PER CUSTOMER



Custom guide-rails
as per demolition ball



Additional abrasion-resistant parts, 700 HB
for heavily abrasive environment



Double exchangeable
side protection

Excavator buckets for machines above 50 t

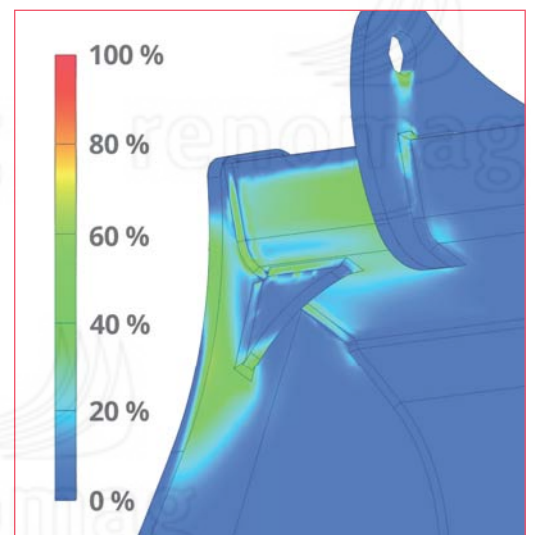
Buckets for machines over 50 tonnes are usually optimized as per the customer's demand to meet the requirements for work with specific material, and the cinematic parameters are adjusted for the specific brand and type of excavator to ensure long service life, high performance and economical service.

LŽÍČE PRO LIEBHERR R954

MAIN FEATURES

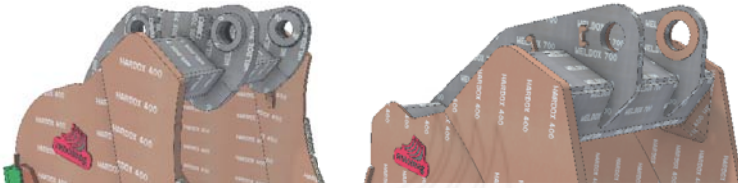
- + The ESCO Ultralok™ and SV2 teeth systems provide optimum digging performance and great durability even in extremely abrasive environments.
- + Deep shape for larger volume combined with a smaller distance between pin and teeth for the best transfer of digging force.
- + The bucket body made of abrasion-resistant and strong materials and reinforced sides made from a single piece give the bucket design structural integrity.
- + Thick abrasion-resistant bottom armouring and additional cast protection parts on lower parts of sides are supplied with XHD or XXHD as standard.
- + High rigidity and resistance.
- + Weld on cast protective covers onto edge and sides or the easy-to-replace Esco TOPLOK shield with XHD and XXHD.
- + VIDA wear protection with a hardness of 700 HB for XHD and XXHD as standard.
- + Strength, kinematics and shape optimized using 3D CAD for specific machines and optimum performance.

STRENGTH OPTIMIZATION OF MATERIAL IN 3D



Excavator buckets for machines above 50 t

For massive machines, there is the option of reinforced fixed plain cross-beam suitable for most common applications, or double cross-beam for excellent force transmission and long service life even under the most demanding mining conditions.



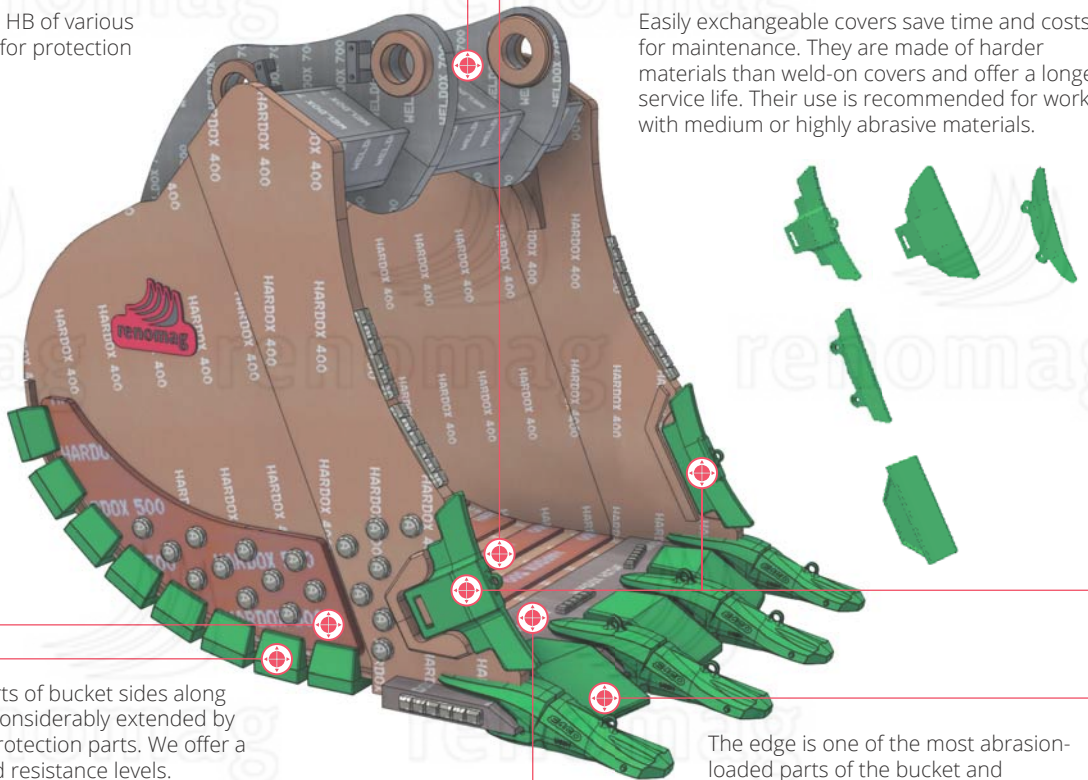
Our products are equipped with high-strength bottom by standard, with excellent resistance to abrasion. Nevertheless, for mining and loading of extremely abrasive materials, the service life can be extended by using internal cross or longitudinal additional armoring with a hardness of 450, 500 or 700 HB.



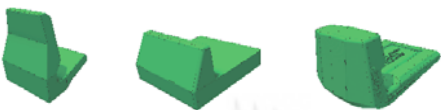
Abrasion-resistant parts of 700 HB of various shapes and sizes are excellent for protection against abrasion.



Easily exchangeable covers save time and costs for maintenance. They are made of harder materials than weld-on covers and offer a longer service life. Their use is recommended for work with medium or highly abrasive materials.



The service life of the lower parts of bucket sides along joints with the bottom can be considerably extended by using abrasion-resistant cast protection parts. We offer a wide range of shapes, sizes and resistance levels.



The edge is one of the most abrasion-loaded parts of the bucket and replacement of worn edge is among the most costly repairs. It is therefore economical to use a suitable cover for the protection of the inter-teeth space.



The edge can be either straight (for excavation works and material loading), spade or modified (to facilitate penetration).





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RENOMAG XXHD EXCAVATOR BUCKET
FOR KOMATSU PC600



BUCKET FOR HITACHI EX 1200



RENOMAG XXHD BUCKET FOR CAT 385

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