

# BALAVTO

PRODUCTION OF ATTACHMENTS FOR  
CONSTRUCTION MACHINES



## BALAVTO PRODUCTION



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Main activity of Balavto Ltd. Ajdovščina is construction equipment trading, construction equipment for diverse needs of industry and transportation vehicles for transporting minerals and grained aggregates.

Balavto Ltd. is authorized dealer for Volvo Construction Equipment (VCE) in Slovenia. Beside new equipment, we also supply used machinery and spare parts. A vast choice of Used Machines for different needs in Industry, Construction, Tunneling Machines, Agricultural Machines, Working attachments (more than 200 machines).

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## ATTACHMENTS PRODUCTION

In our specialized work we produce different kinds of attachments for Construction (Heavy) Machinery:

- All kinds of buckets
- Different kinds of Grabs
- Demolition Shears
- Forks, Blades, Rippers, Cutters
- Quick Fits
- Connecting Plates
- Pins and Bushing
- Arm Extensions
- Dumper Bodies
- Other Special Attachments - Custom made

Our team of experts carefully plan every stage of construction production: from the very beginning and designing, to the final production and mounting the attachment to the machine.

In our Production department we're constantly trying to fulfil all customers requests, to find individual solutions and increase working efficiency.

If you need any kind of attachment for your machine, do not hesitate to contact us and together we'll find adequate solution, which will help you in doing your job and increase your working efficiency.



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# Excavator Attachments Production

Attachment for all brands of excavators

**Pins and Bushings**



**Arms extensions**



**Special protecting glass for cabin**



**Attaching plates**



**Quick fits**



**Demolition shears**



**Blades**



**All kinds of buckets**



**Different kinds of grabs**



**Special buckets**



**Asphalt cutters**



**Rippers**



# EXCAVATOR BUCKETS

We produce all kinds and dimensions of buckets for excavators:

- standard digging buckets,
- narrow digging buckets,
- ditch cleaning and swiveling buckets,
- special, custom made buckets (buckets for stone, buckets with grab, buckets with clamp ...)

All buckets are made from high quality materials.



**HARDOX®**

Bucket capacities and dimensions are different and made according to machine on which is going to be used. Attaching element on bucket is also custom-made in accordance with excavators attaching system.



For ordering the bucket, please contact us directly on an e-mail or telephone stated below, and provide next data:

- Excavator type (make and model)
- Attaching system on Excavator
- Bucket volume
- Kind of work which is to be done with the bucket

Tel: + 386 (0)5 365 99 00 email: [info@balavto.si](mailto:info@balavto.si)

## DIGGING BUCKET



We can make any kind of digging bucket, regardless of excavator type and bucket dimensions. Connecting element on a bucket is also custom-made, in accordance with the excavators attaching system.



# HEAVY DUTY DIGGING BUCKET



Excavators buckets can be made in standard version or in reinforced - Heavy Duty version.

Heavy Duty buckets are specially made for working in a difficult conditions (on rocky fields etc.).



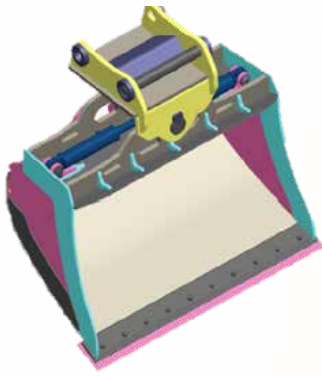
# BUCKET FOR STONE



Stone buckets are made of the hardest material which makes them perfect for work in the most difficult conditions. The special design of the bucket is custom made for the most efficient work possible while working with stones.



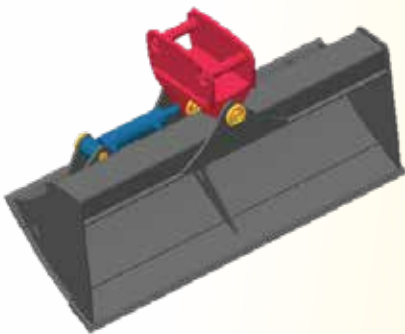
# TILT DIGGING BUCKET



Tilt rotation bucket is a combination of a digging bucket and swiveling bucket. This makes this bucket extremely versatile and can be used in various jobsites. We can produce custom made bucket with the exact width and connection for your excavator.



# SWIVELING BUCKET

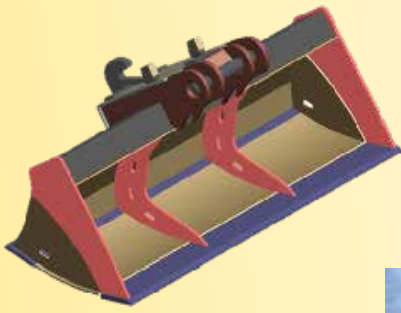


Swiveling bucket main feature is it's tilt in both directions. This model has an integrated mechanic which enables its tilting to right and left. Connecting element is custom made.

This feature makes the swiveling bucket the perfect attachment for finishing earthmoving projects.



# DITCH CLEANING BUCKET



Production of different capacities and dimensions of ditch cleaning buckets for all kinds of excavators. Attaching element on bucket we make in accordance with attaching system on excavator. Efficiency of ditch cleaning bucket can be increased with adding Tiltrotator. Tiltrotator is special attachment, which represents some kind of wrist - extremely efficient connection between the excavator arm and the attachment. Tiltrotator enables unlimited rotation of the attachment bucket (360 °) and its tilting in left/right for 40 °.



*Ditch cleaning bucket attached to the excavator with Tiltrotator. Tiltrotator enables unlimited rotation of bucket (360 °) and its tilting in left/right for 40 °. We can supply you with high quality tiltrotator ENGCON.*



# NARROW DIGGING BUCKET



The narrow digging buckets are much narrower than normal digging buckets. This feature makes them perfect for digging ditched and communal works. We can make make different sizes for smaller of bigger excavators.





# BUCKET WITH GRAB



Special bucket with grab on the back side of the bucket. This type of buckets are used in electrical industry for electrical column placing. Bucket with grab can be also used forestry and viniculture works.

For this bucket to work on your excavator you must first have the instalation for grabs.



# BUCKET WITH CLAMP



Special bucket with clamp on the back side of the bucket. This bucket is speacilly made for handaling stones.

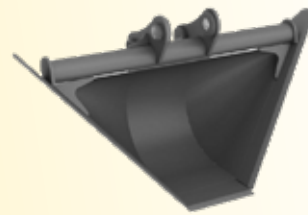
For this bucket to work on your excavator you must first have the instalation for grabs.



# TRAPEZOIDAL BUCKET



We produce trapezoidal buckets (also called profile buckets) which are specially designed for digging trapezoidal ditches. All buckets are custom made so can fit on every type of excavator.



# EXCAVATOR GRABS

Designed to work in different working conditions. Precise positioning of material reduces hand work and increases safety. They are often used for manipulation with construction materials on a heavy terrain at construction sites. They also reach great results on a garbage dumps during the works of sorting and recycling of waste material.

Reliable construction and technology, best materials, along with good and regular maintenance will insure long durability and excellent working performance.

Our grabs are a result of our construction knowledge based on a great experience.

All grabs represented in this catalogue can be made in different sizes, according to the customer's needs and requests. Connection on the grab can also be made in accordance with the excavator on which is to be used.

Made from best materials



# GRAB, MODEL BG05

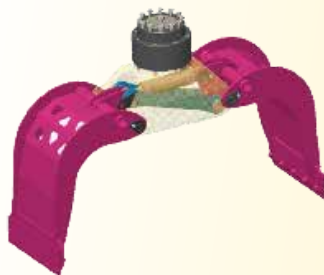
For excavators from 1-5 tons

Hydraulic grab BG05 is intended to be used on excavators from 1-5 tons. This type of grab can be used in various ways: classical grabbing - material handling (stone, wood, iron, etc.), material sorting on garbage dumps or during demolition works, stone laying (making scarps), etc.

Fixed grab BG05 (to be used with Tiltrotator)



BG05 with rotator



BG05 with mounted hanging rotator



### Grab, model BG05

Maks. širina grabljenja	1195 mm
Širina	350 mm
Višina brez rotatorja (mm)	720 mm
Največja sila na konici	7,5 kN
Teža	220 kg
Teža nosilnega stroja	do 5 t

# GRAB, MODEL BG08

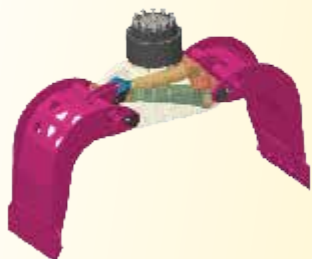
For excavators from 5-8 tons

Hydraulic grab BG08 is intended to be used on excavators from 5 - 8 tons. It is used in a same way as Grab BG05, just on bigger excavators (5-8 tons): classical grabbing - material handling (stone, wood, iron, etc.), material sorting on garbage dumps or during demolition works, stone laying (making scarps), etc.

Fixed grab BG13 (to be used with Tiltrotator)



BG13 with rotator

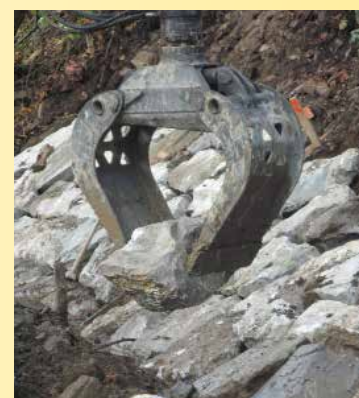


BG13 with hanging rotator



### Grab, model BG8

Max grab opening	1571 mm
Width	500 mm
Height without rotator	890 mm
Grab force	10,5 kN
Weight	cca. 340 kg
Excavator weight	5 - 8 t



# GRAB, MODEL BG13

For excavators from 12-16 tons

Hydraulic grab BG13 is intended to be used on excavators from 12-16 tons. It is used in a same way as Grab BG05, just on bigger excavators (12-16 tons): classical grabbing - material handling (stone, wood, iron, etc.), material sorting on garbage dumps or durin demolition works, stone laying (making scarps), etc.

BG13 can be made in 3 different versions:

Fixed grab BG13 (to be used with Tiltrotator)



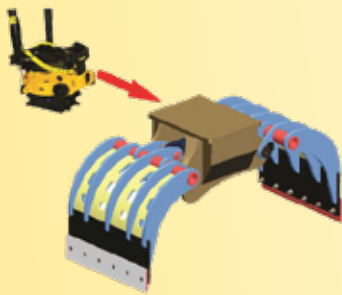
2. BG13 with rotator



2. BG13 with mounted hanging rotator



## FIXED GRAB BG13



Applicability of hydraulic grab without rotator can be optimized by adding TILTROTATOR which is like a "wrist" linked between excavator and grab. Tiltrotator provides unlimited rotation and tilting up to 40 degrees in two directions.

Performance of grab with mounted tiltrotator: 360 ° rotation, 40 ° tilting, different materials grabbing: stone, wood, iron, garbage etc...

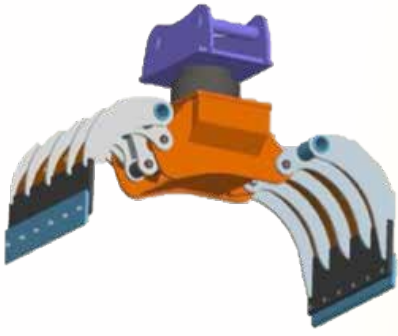


### Grab model BG13

Max grab opening	1573 mm
Width	700 mm
Heigh without rotator	770 mm - open, 885 mm - closed
Grab force	16 kN
Max workig pressure	25 Mpa
Weight (without rotator)	500 kg
Excavator weight	12 - 16 t



# FIXED GRAB BG13 WITH ROTATOR



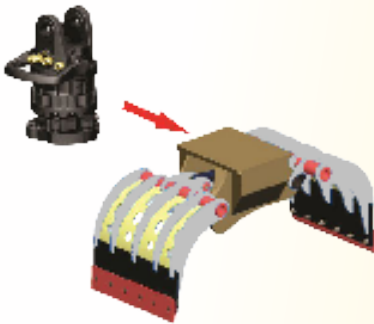
Rotator transmits major amount of axial and radial force and insures a great grab rotary performance. It enables 360° rotation and increases grabs applicability. Performance: 360 ° rotation and different material grabbing: stone, wood, iron, garbage, etc...

## Grab model BG13

Max grab opening	1573 mm
Width	700 mm
Heigh without rotator	770 mm - open, 885 mm - closed
Grab force	16 kN
Max workig pressure	25 Mpa
Weight (without rotator)	500 kg
Excavator weight	12 - 16 t



# GRAB BG13 WITH HANGING ROTATOR



Hanging grab is intended to be use in situations where precise handling is not so important and represents great tool in working with waste material on garbage dumps, with waste iron, wood, etc. Hanging rotator on Grab BG16 enables unlimited rotation, increases grabs efficiency and is especially appropriate for logs handling.

## Grab model BG13

Max grab opening	1573 mm
Width	700 mm
Heigh without rotator	770 mm - open, 885 mm - closed
Grab force	16 kN
Max workig pressure	25 Mpa
Weight (without rotator)	500 kg
Excavator weight	12 - 16 t



# GRAB, MODEL BG16

For excavators from 16-23 tons

Hydraulic grab BG16 is intended to be used for: classical grabbing - material handling (for stone, wood, iron..), for material sorting on garbage dumps and during demolition works, for stone placing (making scarps), etc.

Attaching system on grab is custom - made, regarding to attaching system on the excavator on which is to be used.

There are three possible versions of Hydraulic Grab BG16:

Grab BG16 without rotator (intended to be used with Tiltrotator)



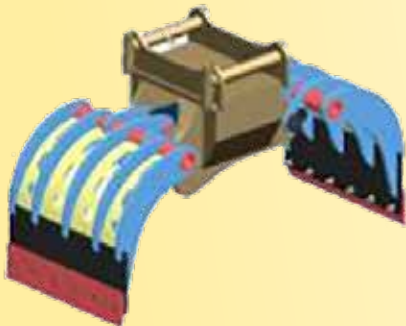
Grab BG16 with rotator (360° rotation)



Grab BG16 with hanging rotator



## GRAB BG16 WITHOUT ROTATOR



Hydraulic grab BG16 without rotator can be delivered in version with fixed attaching element.

This version of grab is intended to be attached to tiltrotator and it is also possible to attach it directly to excavators attaching system.

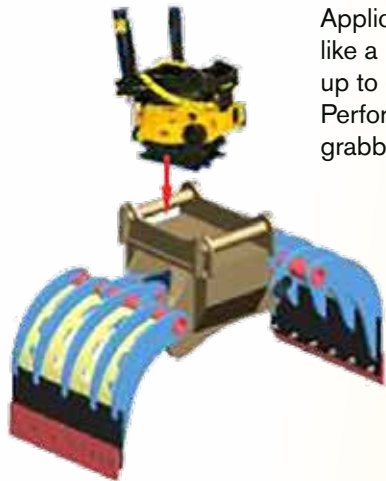


### Grab model BG16

Max grab opening	1970 mm
Width	900mm
Height with rotator* (D)	1044 mm
Grab force	25 KN
Max oil flow	35 l/min
Weight	960 kg + rotator
Excavator weight	15 - 23 t



# GRAB BG16 WITH TILTROTATOR



Applicability of hydraulic grab without rotator can be optimized by adding TILTROTATOR which is like a "wrist" linked between excavator and grab. Tiltrotator provides unlimited rotation and tilting up to 40 degrees in two directions.

Performance of grab with mounted tiltrotator: 360 ° rotation, 40 ° tilting, different materials grabbing: stone, wood, iron, garbage etc ...

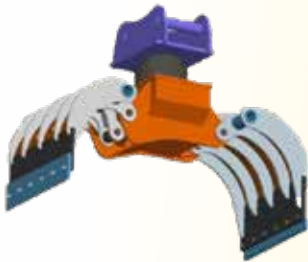


## Grab model BG16 with rotator

Max grab opening (A)	1970 mm
Width (B)	900mm
Height with rotator* (D)	1044 mm
Grab force	25 KN
Max oil flow	35 l/min
Weight	960 kg + rotator
Excavator weight	15 - 23 t



# GRAB BG16 WITH INTEGRATED ROTATOR



Rotator transmits major amount of axial and radial force and insures a great grab rotary performance. It enables 360 ° rotation and increases grabs applicability.

Performance: 360 ° rotation and different material grabbing: stone, wood, iron, garbage, etc ...



## Grab model BG16 with rotator

Max grab opening	1970 mm
Width	900mm
Height with rotator	1044 mm
Grab force	25 KN
Max oil flow	35 l/min
Weight	960 kg + rotator
Excavator weight	15 - 23 t

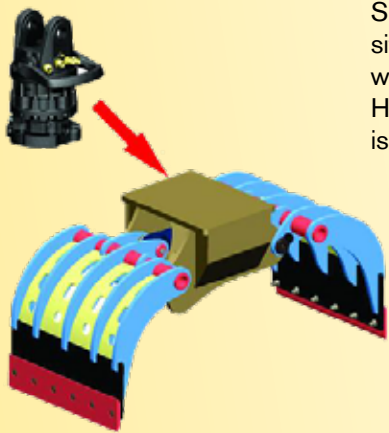


### Rotator

Rotation	Infinite
Max axial force	150 KN
Max radial capacity	110 KN
Torque	26 kNm
Weight	1044 kg



# GRAB BG16 WITH HANGING ROTATOR



Special version of grab BG16 - with hanging rotator. Hanging Grab is intended for use in situations where precise handling is not so important and represents great tool in working with waste material on garbage dumps, with waste iron, wood, etc. Hanging rotator on grab BG16 enables unlimited rotation, increases grabs efficiency and is especially appropriate for logs handling.

## Grab model BG16

Max grab opening	1970 mm
Width	900mm
Height with rotator	1044 mm
Grab force	25 KN
Max oil flow	35 l/min
Weight	960 kg + rotator
Excavator weight	15 - 23 t



# SPECIAL VERSION OF GRAB BG16

We make different versions of BG16 grab in accordance to kind of work or customers requirements. All the time, we try to find individual solutions for every our customer, and to help them reaching the maximum efficiency in their work.

## Closed grab for sand and similar materials



A special version of grab BG16 is grab which is specially made for handling sand or other light material.

Grab proportionally opens and close which allow very precise work.





## Grab with rough jaw



Rough jaws compress the load and do not allow it to slip.

## Grab with additional teeth



This kind of grab is often used for stone grabbing/placing. Additional teeth enable more firmly grip, and make a grab more reliable tool.



## GRAB FOR CROSS-TIE PLACING

This special grab with rotator built in is made for cross-tie placing



## GRAB FOR ROUND OBJECTS



Dimension of the grab depends of the works and the objects wich are to be manoeuvred with, and ofcourse on the excavator on wich is to be used. Attaching element on grab is also custo-



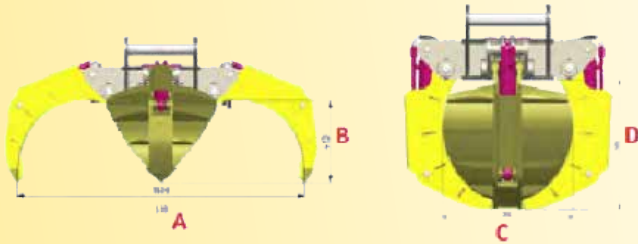
# POLYP GRAB BGP 16



Polyp grab is mostly used for different materials grabbing - materials which shape and size can vary. Thanks to its specific shape, BGP grab is suitable for grabbing vast range of materials: from dust to solid pieces larger than 1m. This particular model BGP16 is made for loads up to 1000 kg and 1,5 m large. Smaller or bigger grabs can be made in accordance with customers requests.

The advantages of model BGP16 are:

- Grab BGP16 has 4 tines, and in contrast to other polyp grabs with more tines, that makes him more compact and closed during material grabbing.
- Inner sides of grab tines have special saws which grab the load more firmly and prevent from falling it out.



Grabbing width – opened grab (A):	1500 mm
Width of grabbing part - opened grab (B)	413 mm
Width of grabbing part - closed grab (C)	582 mm
Height of grabbing part - closed grab (D)	570 mm
Max. working pressure – hydraulic	21 Mpa
Weight*	470 kg
Suitable carrier weight (excavators)	14 - 20 t



## SPECIAL PROTECTING GLASS



Protecting glass on excavators cab is specially appropriate during the work, where there is potential danger of falling objects, which can break glass on the cab. This special, thick glass protects the operator and prevents from excavator damage.



# CONNECTING PLATES

Different Connecting Plates production (CAT, Volvo, Werachtert, special pltes, etc.). Connection plates for hydraulic breakers and other attachments, are made regarding the kind of attachment and machine on which is going to be used.



## CONNECTING PLATES FOR HYDRAULIC BREAKER

Custom made connecting plates for hydraulic breaker on a backhoe loader are designed in a way that the breaker is in optimal position during the work and also transport.



## CONNECTING PLATES FOR HYDRAULIC BREAKER



Our special connecting plate with built in grab is excellent tool for hammering in the columns. Grab grasps the column firmly and the hydraulic breaker (hammer) with its strong blow, hammers the column in to the soil.



# BALAVTO QUICK FITS: B1, B2, B3



Quick fits models B1, B2 and B3 are manufactured and patented in our Company for changing tools on excavators solve the problem of tools' breaking and increase the operating power of the bucket teeth.

Quick fits models B1 and B2 enable to use the same tools for the operation with the excavator (such as for example excavator buckets, couplings for hydraulic hammers, different grabs, etc.) on a wider range of machines, which means that the machines with 14 to 24 tons of nominative value can have the same tools, what was impossible till now due to different types of quick fits.

## Advantages of Quick fits made on Balavto

- Increase the operating power of the bucket teeth namely increase the operating machine thrift.
- Prolongation of the operating life of the quick fit, other flexible parts of the machine and of the machine itself.
- Increase the coupling strength between male and female parts of the quick fit
- The possibility to rotate the tool for 180° (just with the quick fit B1)
- Simplicity of manufacturing adapter plates for hydraulic hammers, shears...
- Operation reliability

## Connecting bucket to the machine with B1 Quick fit

Bucket connection with Quick fit B1 - Classical



Quick fit B1 allows connecting the attachment (bucket) inverted for 180 degrees.



Quick fit B1 attached to the bucket



Quick fit B1

## Production of other quick fits

Beside our models of quick fits, we also produce other quick fits for connecting attachments to different excavators. All quick fits are custom made, regarding the base machine (excavator) and the attachment.



## Quick fits with Power-Tilt



Power tilt is a special tool (between quick fit on the excavator and attachment plate on the attachment) which enables bucket tilting up to 180°. With power tilt mounted you can position the bucket (or other attachment) in any position you want, regardless of excavator position. This increases attachments efficiency and enables you to do more work with one attachment.

# B-QUICK COUPLERS FOR HYDRAULIC HOSES

Special B-quick couplers, manufactured in our Company Balavto Ltd., enable easy and fast coupling of the hydraulic attachments (breakers, grapples, etc...) to the base machine.



## Primary benefits of B-QUICK couplers

### Quick and easy connection

B-Quick allows quick and easy connection and disconnection of hydraulic attachments: hydraulic breakers, shears, grabs, tiltrotators etc. Connecting/disconnecting process takes about 3 minutes.



### 100% and constant oil flow

The oil flow through the B-Quick coupler is 100% which enables constant oil flow without unnecessary hindrances and hydraulic oil warming.



### Personnel safety assured

Because of their reliability, B-Quick couplers ensure high security and your personnel safety.



### High impact resistance

Due to the high impact and vibration resistance, B-Quick couplers are preventing the attachment damage, which often occurs after breaking the standard quick couplers, where particles get into the attachments and the machine.

### Effective protection against dust

Our protection plugs for B-Quick Coupler and Hydraulic Hose assure effective protection against dust and weather.



The set consists of:

- 1,2 - 2x complete valves  
(2x male part, 2x female part)
- 3 - 2x key
- 4 - 2x plug for the valve connected with wire rope
- 5 - 2x cap for hydraulic device tubes  
(hydraulic breakers, leveling buckets...)

A - Ball Valve    B - B-Quick Valve

## Environmentally friendly product

During the connection/disconnection of the attachment hoses, there is no oil spilling and there is no oil leakage during the further work with the attachment either! That's why B-Quick Coupler represent environmentally friendly product.



Protection plugs for the hydraulic hoses have special container for the oil from the hose.

When you're closing the hose with our plug, there is no oil spilling because all oil goes to this container.



Hydraulic Breaker and Hydraulic Shear, both connected to excavator with B-Quick coupler



# RIPERS



Production of different kinds and sizes of rippers for excavator. Rippers are used for digging hard soil where a standard digging bucket is not enough. Rippers are also used for work on asphalt, stones, coil and also in tunnels. Rippers are custom-made with attaching element in accordance with the attaching system on excavator..



Standard ripper for asphalt, soil, stone...



Special ripper for coil.



Special ripper for tunneling machines.



# ASPHALT CUTTERS



Production of different asphalt cutters for excavators. Asphalt cutters can be made for all kinds of excavators, with attaching element in accordance with attaching system on the excavator.

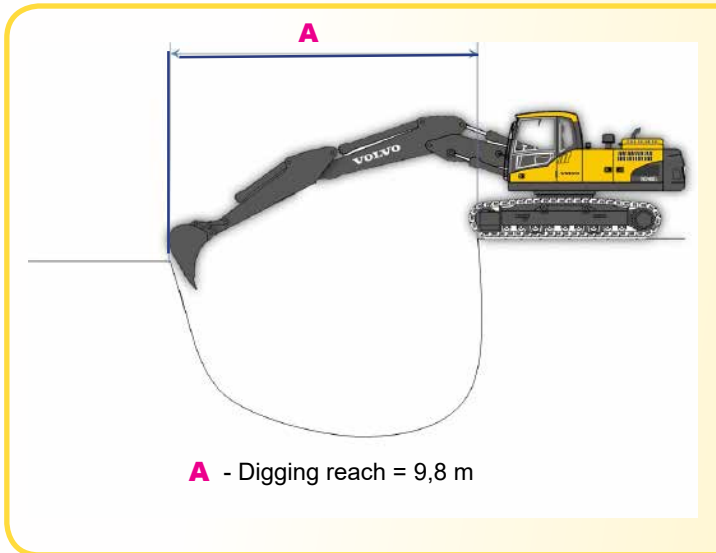
Some examples of asphalt cutters made on Balavto Ltd.



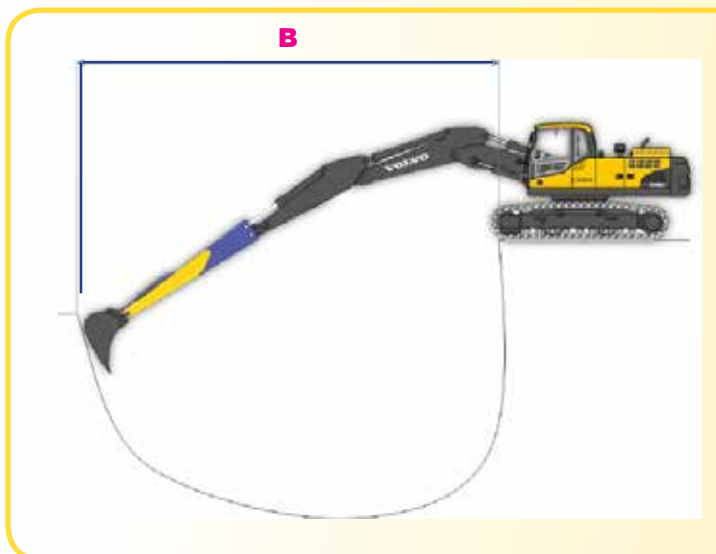
# ARM EXTENSIONS



Arm extension (long reach arm) is an effective tool to overcome some physical obstacles and reach positions that are much above or below the excavator level. Dimensions of Long Reach arm are different depending on the excavator on which they are going to be used.



Volvo EC240 with Standard 2,5m arm - digging reach 9,8 m





Underwater digging - Arm extension enables digging in positions that are much below excavator level - for example digging in the water (sea, river ...)



Underwater concreting - Arm extension enables concreting in a higher water depths (longer distance). It guides the funnel to required depth and enables underwater concreting. Working (digging) with Long Reach Arm enables reaching the larger digging distances, overcoming some physical obstacles and reach positions that are much above or below the excavator level, which increases working efficiency.

## DEMOLITION SHEARS



Demolition shears for crushing slag, concrete, stone etc.

Shears and elements for the connection on the shears, depend on the type of machine and work and are made according to the needs of the customer or the type of work.





# PINS and BUSHINGS

## - Pins and bushing production

We can make all kinds and dimensions of pins and bushings for machinery - custom made.

## - Pins and bushing replacement

Changing (mounting) the old and wore pins and bushing with a new ones

## - Repairing the old and demaged pins and bushing

We repair demaged pins and bushing (in our workshop or on the terrain) and make the original holes



Repairing the old and demaged pins and bushing

# HYDRAULIC BREAKER CARRIER ON A BLADE

In our Production department we're constantly trying to fulfil all customers requests, to find individual solutions and increase working efficiency. This hydraulic breaker carrier positioned on a blade, represents an excellent help during a hydraulic breaker transportation from one site to another.



# FORKS FOR EXCAVATORS



We can offer you pallet forks for excavator. Our pallet forks have capacity from 5 tons and higher. Attaching element is custom made so can fit on any tipe and brand of excavators.



# Loader Attachments Production

Attachment for all brands of excavators

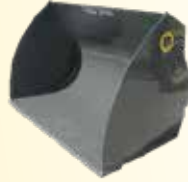
Arms extensions for Loaders



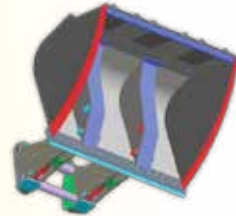
Blades



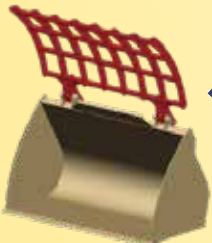
Buckets for light materials



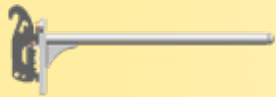
High tip buckets



4 in 1 buckets



Buckets with clamp



BIG-BAG forks



Forks for stone blocks



Pallet forks



Grapples



# LOADER BUCKETS

In Balavto Ltd. we produce different loader bucket in compliance with your needs. Bucket can be with or without teeth (cutting edge), with connection element on a bucket made in compliance with the loader (connecting system) on which is to be used.

All buckets are made from high quality materials. Repairement of damaged or worn out bucket, can also be done.



Production of loading buckets for any kind of loader.

Bucket is made in accordance with loader on which is to be used and regarding the work to be done. Connection element on a bucket made in compliance with the connecting system on loader.

For ordering the bucket, please contact us directly on an e-mail or telephone stated below, and provide next data:

- Loader type (make and model)
- Attaching system on Loader
- Bucket wolume
- Kind of work which is to be done with the bucket

Tel: +386 (05) 365 99 00 email: [info@balavto.si](mailto:info@balavto.si)

## STANDARD LOADING BUCKET



Production of loading buckets for any kind of loader.

Bucket is made in accordance with Loader on which is to be used and regarding the work to be done. Connection element on a bucket made in compliance with the connecting system on loader.



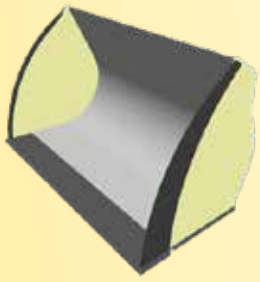
## HEAVY DUTY LOADING BUCKET

We also produce buckets for loaders in **reinforced version - Heavy Duty buckets.**

They are specially made for working in hard conditions:  
**Rock buckets.**



# LIGHT MATERIAL BUCKET

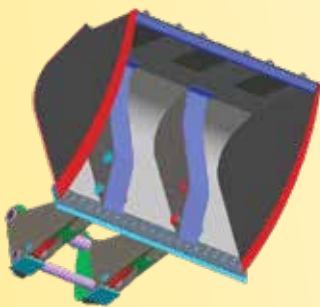


Light Material Bucket has high capacity for handling low density materials (0,6 ton/m<sup>3</sup> or less), such as snow, wood, chips etc.

Attaching element on a bucket is custom - made in accordance with the attaching system on a Loader.



# HIGH TIP BUCKET

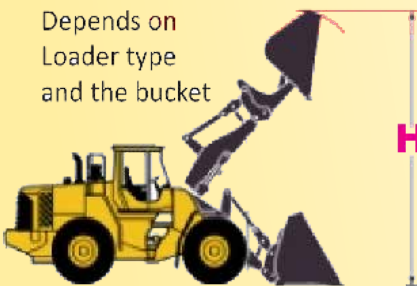


Hi-Tip Light Material Bucket has high capacity for handling low density materials (0,6 ton/m<sup>3</sup> or less), such as snow, wood, chips etc.

High tip bucket features considerably increased dump height over standard light material buckets because it is hydraulically lifted from a built-in frame.

H = from 4m to max. 7m

Depends on Loader type and the bucket

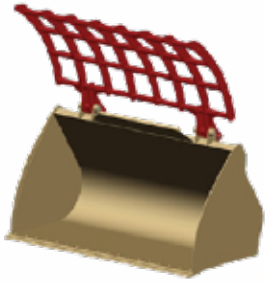


## HIGH TIP BUCKET WITH SIDE LIFTING CYLINDERS

For all kinds of loaders On this version of high tip bucket, the lifting cylinders are positioned on sides of the bucket and not in the middle. This make the bucket more stabile and enables fast and easy self-cleaning (material does not stay stucked in the middle of the bucket).



# CLAMP BUCKET



Bucket with wide bottom and clamp is appropriate for handling waste material because, due to the clamp, material does not fall and it is possible to handle up to 25% more material than with the bucket without a clamp.

That's why it often used when loading and transporting bulky material like branches, refuse...



# MULTI PURPOSE BUCKET



Production of multi purpose buckets (4 in 1) for all kinds of loaders. Multi purpose bucket can be used for dozing, leveling, picking up objects and of course general purpose loading.

This kind of bucket has a wide spectrum of usage. That's why it's called 4 in 1 bucket. It can be used in many different situations as a different tool:

1. **as a standard loading bucket** - it can be used as a normal loader bucket, for different material loading (closed) and can be unloaded with ease, by emptying from the opening at the bottom.
2. **as a grab** - this kind of bucket is great for lifting and carrying a variety of objects.
3. **as a blade** - bucket 4 in 1 can be used for light grading and pushing of loose material. It's often used for backfilling trenchers etc.
4. **as a levelling bucket** - with the jaws open and with the open edges near to the ground the 4 in 1 bucket can be dragged forward and backward for levelling.



# LOADER GRABS

Production of different kinds of grapples for wheel loaders. Grapples are custom made regarding the kind of work which is to be done and the loader on which is to be used.

- General purpose grapples
- Loading and unloading grapples (for logs)
- Sorting grapples
- Tree-length grapples
- Grapples with rotator



# ARM EXTENSION

Production of Loader arm extensions for all kinds of Loaders. On this extension different kinds of attachments can be attached: buckets, forks... Loader arm extension enables reaching the higher loading positions and overcoming some physical obstacles.



# LOADER BLADES



Production of different blades for Loaders, Excavators, etc.



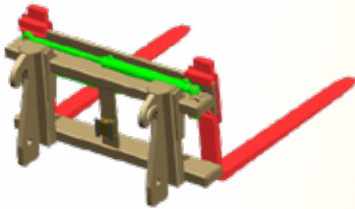
# FORKS



Production of pallet forks with mechanical (manual) movement of forks - for all kinds of loaders. Dimension and technical characteristics of forks depend on loader, kind of work which is to be done and customer's requirements - all forks can be custom made. Attaching element on forks is also custom-made in accordance with the attaching system on loader.



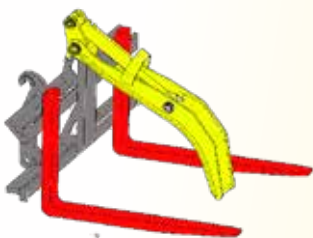
## HYDRAULIC FORKS FOR LOADER



Production of hydraulic forks (hydraulic moving of forks to the left or right/together - separately). Dimension and technical characteristics of forks depend on Loader, kind of work which is to be done and customer's requirements - all forks can be custom made. Attaching element on forks is also custom made in accordance with the attaching system on loader.



## FORKS WITH CLAMP



Clamp on forks take and keep the load firmly on forks and prevent its falling.

Bucket can have single or double clamps and can be made for any kind and size of Loader with custom-made attaching element.



# BIG BAG FORKS



Specialy designed forks for bags transportation. Enable easy and fast bags manouvring. Forks can be custom made with lenght and other characteristics on request (for all kinds of Loaders). Attaching element on forks is also custom-made in accordance with attaching system on loader.



# FORKS FOR STONE BLOCKS



Special forks for stone blocks loading. Made for heavy loads, fixed forks (no forks movement) are excellent tool for works in a quarry. Stone block forks, can have different loading capacity, regarding on Loader size. Forks shown here have 48 t and 60 tons capacity.



Forks for stone blocks for Loader Michigan L270 - forks capacity 60 tons



Forks for stone blocks for Loader Volvo L220 - forks capacity 48 tons





## LIFTING ARM



Lifting arm is used on jobsites where is required to lifting cargo above or below the possibility of the normal wheel loader arm. Lifting arm can be mechanical or hydraulic according to customer needs.



## SCRAPER TOOTH



This special attachment called scraper tooth is used for cleaning coal or other materials from ship body. As all of our attachment is custom made so can fit on every loader.



## CLEANING BLADE



Cleaning blade is used for cleaning enclosed spaces: Cleaning blade has an innovative design which enables a very efficient cleaning. For this attachment to work you must have installation for the third hydraulic function.



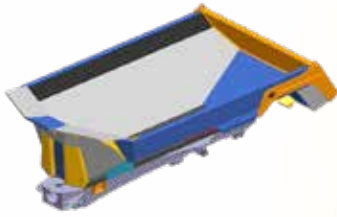
## BALE GRABBER

Bale grabber is used for transporting and grabbing bales of hay or other light materials, Bale grabber is attached normally on loader arm and can be easily replaced with another attachment. Grabber is custom made so can fit on every wheel loader.



# DUMPER BODIES

In Balavto company we desing and produce dumper bodies for light materials. Dimensions and volume of bodies are different and in compliance with a dumper size (type).



Light material bodies production - made by Balavto Ltd.

Those bodies are appropriate for light materials such as:

- coul,
- ashes,
- wood chips, etc.

Dumpers with Light materials bodies are often used in Thermal Power Plants for ash transporation.



**Volvo A40E with standard body**

The capacity of standard bodies for A40E FS models is **24 m3**.



**Volvo A40E with body for light materials made on Balavto Ltd.**

The capacity of light material body made on Balavto Ltd. for A40E/F models is **33 m3**.

Firmly closed (sealed) dumers body



The body can be firmly closed (sealed) so it is also appropriate for liquide materials transportation.

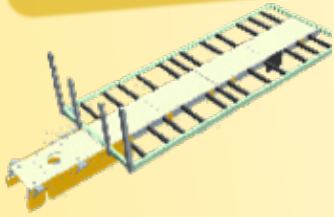


Volvo Dumper with Light materials body made on Balavto Ltd. in Thermal Power Plant



# CHASSIS and BODIES for TRUCKS

Production of chassis and bodies for transportation vehicles.  
We can make bodies and chassis for all kinds of trucks - please contact us for more information.



## SERVICES

### WELDING

We offer different kinds of services: welding processes, attachments and equipment repairing (buckets, grabs, pins, bushing, etc.), mounting the attachments and components to the machine, etc.



### PLASMA CUTTING

We offer you process of plasma cutting for cutting the steel and other materials of different thicknesses.



# PONTOONS AND BARGES



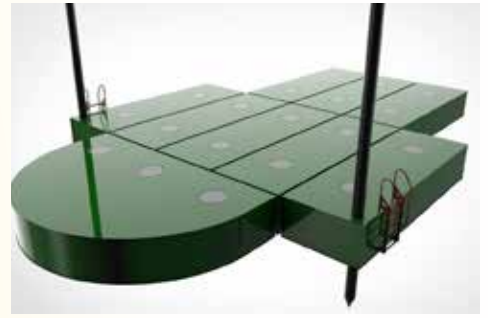
We offer to our clients high quality products with many different configurations. We are specialized in manufacturing pontoon work-platforms to be used for carrying heavy loads such as construction machinery and are enabling safe and efficient work on rivers, sea and lakes. Our goal is to meet specific requirements of our customers and we are at the same time dedicated to durability, quality, safety and high performance.

Our expert manufacturing team creates every pontoon in our own facility, ensuring the highest quality construction every time. Fully and heavily reinforced pontoon units are seaworthy, very strong and maintenance-free with a high loading capacity and very long service life. The pontoons are connected into work-platforms by double strong joints at each side and they allow the assembly of various forms of work platforms (square, rectangular, oblong-bridge, T-structure...)



The first step in the process of making the pontoon and baggers is to exactly specify what are the customer needs for a specific pontoon.

When we get all the needed specifications we start the design process.



When the design part is over we can start the actual production.



The next step in the process is to paint the pontoons and prepare them for transport. All of our pontoons are modular designed. This makes them easy to transport and can also be put together in different shapes if the customer needs this feature.



And finally we deliver the pontoons to our customers to the required location. At the location we also take care of the assembly of the modules.



# NOTES





# BALAVTO

**FOR EVERY JOB THERE IS THE RIGHT ATTACHMENT  
AND WE CAN MAKE IT !!!**



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