

BALAVTO ATTACHMENTS PRODUCTION



GRABS FOR EXCAVATORS



Made by Balavto Ltd

BALAVTO

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MATERIAL HANDLING AND
DEMOLITION GRABS

Models BG16, BG13, BG8

POLYP GRABS

HANGING GRABS

CLOSED GRABS

SPECIAL, CUSTOM-MADE
GRABS



ATTACHMENTS PRODUCTION

BALAVTO

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Main activity of Balavto Ltd. Ajdovscina 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 and Bosnia and Herzegovina. 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).

Many years of experience in attachments sales, regular contacts with clients and respecting their opinions regarding issues and needs in the area of attachments led to the development of our own production of attachments for construction machinery.

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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We produce different kinds of attachments for Construction (Heavy) Machinery:

- All kinds of buckets: digging, swiveling, ditching buckets
- Different kinds of Grabs
- Demolition Shears
- Forks, Blades, Rippers, Cutters, Pins and Bushing ...
- Quick Fits and Connecting Plates
- Arm Extensions for the Excavators and Loaders
- Dumper Bodies
- Other Special Attachments - Custom-made



GRABS FOR EXCAVATORS

Made by Balavto Ltd

Designed to work in different working conditions. For manipulation with construction materials on heavy terrains at construction sites. Precise positioning of material reduce hand work and increase safety. Our Grabs reach excellent results on garbage dumps at sorting and recycling of waste material. Reliable grab construction and technology, made from best materials, together with good and regular maintenance insure long durability and excellent working performance.

Grabs made in our company represent a story of our construction knowledge based on great experience.

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



Made from best materials

WELDOX[®]
HIGH STRENGTH STEEL

HARDOX[®]



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Material handling and demolition grab

Model BG16

For excavators from 16 - 23 tons

Hydraulic grab BG16 is intended to be used on excavators from 16 - 23 tons. It is often 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.

There are three possible versions of Hydraulic Grab BG16:

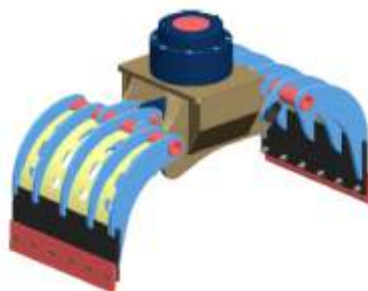
1. Grab BG16 without Rotator (intended to be used with Tiltrotator)
2. Grab BG16 with Rotator (360° rotation)
3. Grab BG16 with hanging Rotator



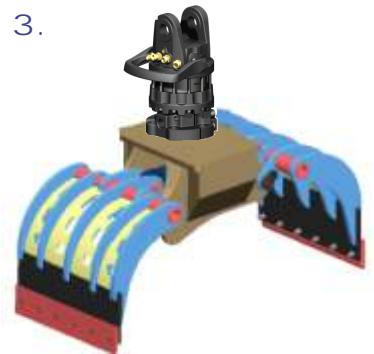
1.



2.



3.

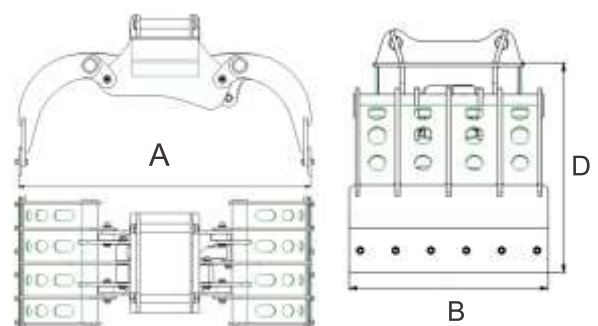


1. Grab BG16 without Rotator (intended to be used with Tiltrotator)

Hydraulic Grab BG16 can be delivered as sole, independent unit and connected to Attaching Plate on the Excavator. Performance: classical grabbing of different materials: stone, wood, iron, garbage...



description	unit	value
Max. grab opening (A):	[mm]	1970
Min. grab opening (A)	[mm]	0
Width (B)	[mm]	900
Height without rotator (D)	[mm]	815
Grab force	[kN]	25
Max. working pressure - hydraulic	[Mpa]	21
Weight without rotator	[kg]	Approx. 960 kg - depends on attachment plate
Area of grab Amax X B	[m²]	1,77
Suitable carrier (excavator)	[kg]	15.000-23.000



Grab BG16 with connected 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: 360°rotation, 40° tilting, different materials grabbing: stone, wood, iron, garbage etc...



Tiltrotator enables unlimited rotation and tilting up to 40 degrees in two directions



Usage of BG16 mounted with Tiltrotator



Grab BG16 on works of stone laying (making the scarps)



2. Grab BG16 with Rotator

On Hydraulic Grab BG16 special ROTATOR can be monuted. Rotator enables infinite rotation, transmits major amount of axial and radial force and insures a great grab rotary performance.

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

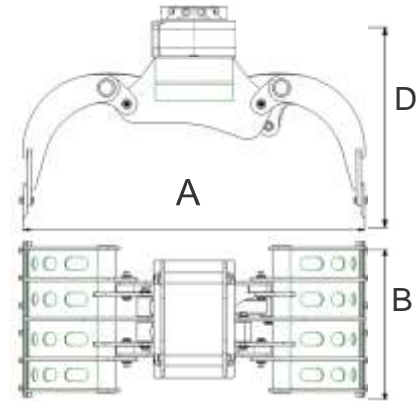


GRAB BG16 WITH ROTATOR TECHNICAL SPECIFICATION

desription	unit	value
Max. grab opening (A):	[mm]	1970
Min. grab opening (A)	[mm]	0
Width (B)	[mm]	900
Height with rotator (D)	[mm]	1044
Grab force	[kN]	25
Max. working pressure - rotator	[Mpa]	25
Max oil flow - rotator	[l/min]	35
Weight with rotator *	[kg]	1070
Area of grab Amax X B	[m ²]	1,77
Suitable carrier (excavator)	[kg]	15.000-23.000

* Weight is aproximate - depends on the attacing plate

GRAB WITH ROTATOR DRAWING



ROTATOR TECHNICAL CHARACTERISTIC

description	unit	value
Rotation		infinite
Maximal axial load	[kN]	150
Maximal radial load	[kN]	110
Torque	[Nm]	4500
Weight of Rotator	[kg]	165



Usage of BG16 with Rotator



Grab BG16 reaches great results on a garbage dumps in works of sorting of waste material

BG16 with Rotator on demolition works

3. Grab BG16 with hanging Rotator



Hanging Grab is intended for use in situations where precise handling is not so important and represents a great tool in working with waste material on garbage dumps, with waste iron, wood, etc.

HANGING ROTATOR TECHNICAL CHARACTERISTICS

description	unit	value
Rotation		unlimited
Maximal axial load static	[kN]	+160 / -90
Maximal axial load dynamic	[kN]	+80 / -45
Torque at 25Mpa	[Nm]	3400
Rec oil flow	[l/min]	40
Weight of Rotator	[kg]	74



Special versions of Hydraulic Grab BG16

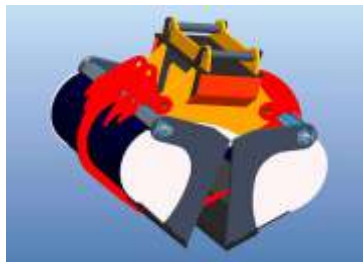
We make different versions of BG16 grab in accordance with the kind of work or customer requirements. All the time, we try to find individual solutions for every our customer, and to help them reaching the maximum efficiency in their work.

If you have any question, or need more information or require any kind of grab, please do not hesitate to contact us.

Closed Grab for Sand or similar

Special version of BG16

Hydraulic grab BG16 in special, closed version for sand, soil and similar materials.



Grab with rough jaw

Special version of BG16

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



Material handling and demolition grab

Model BG13

For excavators from 12 - 16 tons

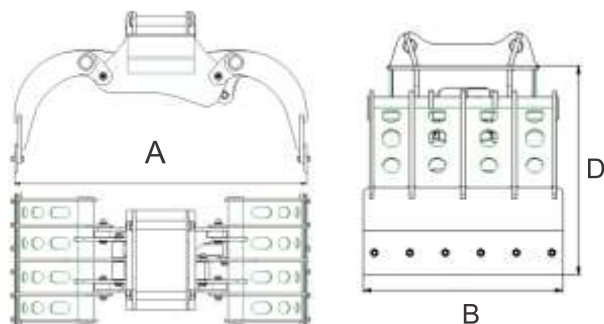


Same as Grab Model BG16, also BG13 can be made in 3 different versions:

1. Fixed grab BG13 (to be used with Tiltrotator)
2. BG13 with rotator
3. BG13 with mounted hanging rotator



description	unit	value
Max. grab opening (A):	[mm]	1573
Width (B)	[mm]	700
Height without rotator (D)	[mm]	770 open; 885 closed
Grab force	[kN]	16
Max. working pressure - hydraulic	[Mpa]	25
Weight without rotator*	[kg]	500
Area of grab Amax X B	[m ²]	1,77
Suitable carrier (excavator)	[kg]	12.000-16.000



* Weight is approximate - depends on the attaching plate



BG 13 without rotator



BG 13 without rotator connected to the excavator with Tiltrotator



BG 13 with mounted rotator



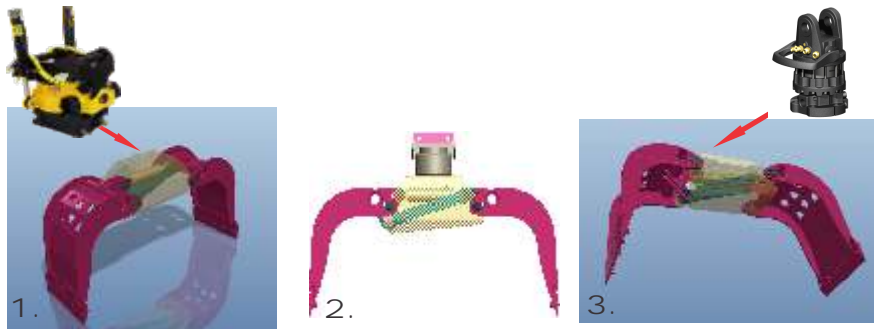


Material handling and demolition grab Model BG8

For excavators from 5 - 8 tons

Grab BG8 is intended to be used on smaller excavators (5-8 tons) and can also be made/delivered in 3 different versions:

1. Fixed grab BG8 (intended to be used with tiltrotator)
2. BG8 with rotator
3. BG8 with mounted hanging rotator



TECHNICAL SPECIFICATION for GRAB BG8

description	unit	value
Max. grab opening :	[mm]	1571
Min. grab opening	[mm]	0
Width	[mm]	500
Height	[mm]	890
Grab force	[kN]	10,5
Max. working pressure – hydraulic	[Mpa]	25
Weight	[kg]	340
Area og grabbing Amax X B	[m ²]	0,79
Suitable carrier weight (excavtors)	[kg]	5.000-8.000

* Weight is approximate - depends on the attaching plate



Using Grab BG8 for stone laying (making the scarps)

Polyp Grab Model BGP16

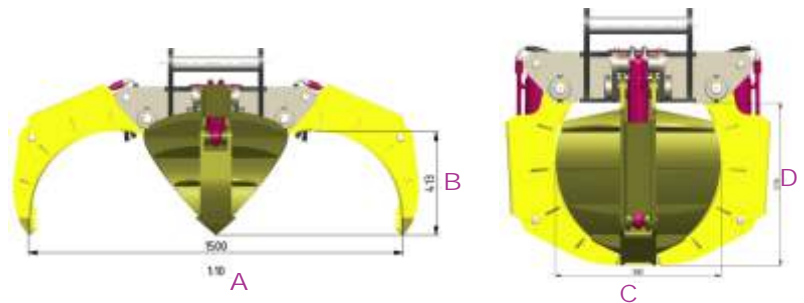
For excavators from 14 - 20 tons

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.



description	unit	value
Grabbing width – opened grab (A):	[mm]	1500
Width of grabbing part - opened grab (B)	[mm]	413
Width of grabbing part - closed grab (C)	[mm]	582
Height of grabbing part - closed grab (D)	[mm]	570
Max. working pressure – hydraulic	[Mpa]	21
Weight*	[kg]	470
Suitable carrier weight (excavators)	[kg]	14.000-20.000

* Weight is approximate - depends on the attaching plate



Other Special Grabs

Hanging Grab Model BGV16

Model BGV16 is specially made for log manoeuvring.



Grab for cross-tie placing

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



Grab for hoses

Dimension of the grab depends of the works and the objects wich are to be manoeuvred with, and ofcourse on the excavator.





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From idea

to usage



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