



# BERLI

P R O F E S S I O N A L



**HYDRAULIC MULCHING HEADS FOR MINI  
AND MID SIZE EXCAVATORS**

**HYDRAULISCH BETÄTIGTE MULCHER FÜR  
KLEINE BAGGER**

**mod. GKR/SB - PARK/SB**

**MULCHER  
MULCHGERÄT**

**mod. GKR/SB**

**SUITED FOR EXCAVATORS  
FROM 15 KW (20 HP) POWER  
AND OF 1,8 - 4 TONS WEIGHT.**

**FÜR BAGGER MIT  
15 KW (20 PS) MIN. LEISTUNG  
UND BETRIEBSGEWICHT  
VON 1,8 - 4 TONNEN**



The clearance of little parts of territory, which are not easily reachable by big size operating machines, force the operators to take solutions not always suitable. BERTI offer this new concept of brush cutting head for mini excavators (1,8 - 4 tons): its reliability permits to achieve outstanding results in several working conditions, like the maintenance of green areas, road sides, construction industry, farms, etc.

Die Ausführung von Pflege- und Verbesserungsarbeiten in kleinen Bodenstücken, die mit grossen Maschinen unmöglich zu erreichen sind, kann zu Problemen führen, die die Bedienungsleute zwingen, nicht unbedingt optimale Lösungen zu wählen: dies hat uns getrieben, diesen Mulchkopf zu entwickeln, der an kleine Bagger, mit Gewicht zwischen 1,5 und 4 Tonnen anzubauen ist.

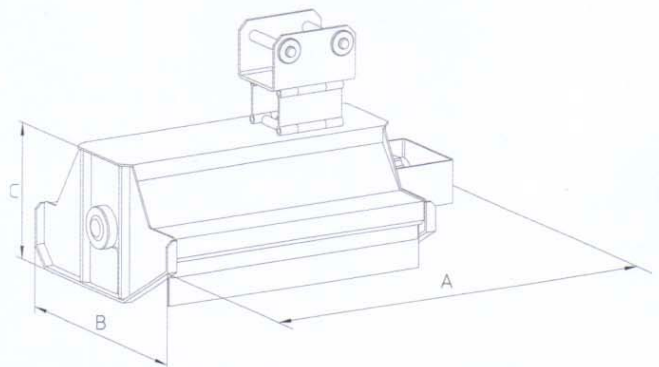
Dieses kompakte Gerät gewährleistet eine dauerhafte Zuverlässigkeit und eine hohe Arbeitsqualität, damit es in verschiedenen Bereichen, wie in der Bauindustrie, in der Pflege von Grünflächen, in der Landwirtschaft usw. Verwendung findet.






**Hydraulic gear motor  
Hydraulischer Zahnradmotor**

**Adjustable rear roller  
Einstellbare Stützwalze**

**CE safety protections  
Unfallschutz laut EG-Normen**

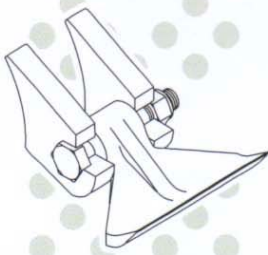
**Electronically balanced rotor, equipped with Y blades or light hammers (on request)  
Elektronisch ausgewuchtet Rotor mit Y-Messer oder Schlegeln (Zubehör)**



MODEL	 Working width Arbeitsbreite cm	A cm	B cm	C cm	 No. Hammers Nr. Schlegel	 Weight/Gewicht Kg	 Oil flow required Enforderliche ölmenge l/min	 Pressure Druck bar
GKR/SB 60	60	87	72	38	20	90	30 - 35	130/150
GKR/SB 80	80	107	72	38	28	105	30 - 35	130/150

# MULCHER MULCHGERÄT

# mod. PARK/SB



Hardened and forged BERTI hammer type "L". The head of the bolt is encased in the lug's hexagon.

*Geschmiedete und vergütete BERTI-Hammerschlegel Typ „L“ aus Stahl bester Qualität. Im Halterung halbeingelassene Schraube.*

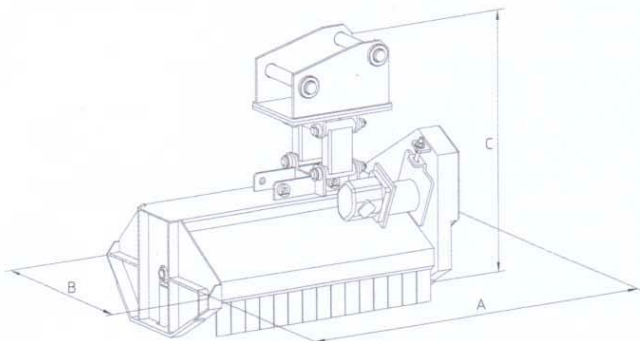







SUITED FOR EXCAVATORS  
FROM 30 KW (40 HP) POWER  
AND OF 5 - 7 TONS WEIGHT.

FÜR BAGGER MIT  
30 KW (40 PS) MIN.  
LEISTUNG UND  
BETRIEBSGEWICHT  
VON 5 - 7 TONNEN

Reliable and compact machine, the PARK/SB can shatter grass, brush and branches up to a diameter of 2-3 cm (1"). It is standard equipped with electronically balanced rotor with BERTI hammers type "L" (Y blades on request), adjustable rear roller, hydraulic gear motor and transmission through high performance V-belts.

*Robuste und kompakte Maschine, das PARK/SB eignet sich für das Häckseln von Gras, und dünnen Baumstämmen bis 2-3 cm. in Durchmesser. Ausgerüstet im Serie mit elektronischem ausgewuchteten Rotor, BERTI Schlegeln Typ „L“ (Y Messern auf Wunsch), einstellbarer Stützwalze, hydraulischem Zahnradmotor und Hochleistungs-Keilriemenantrieb.*

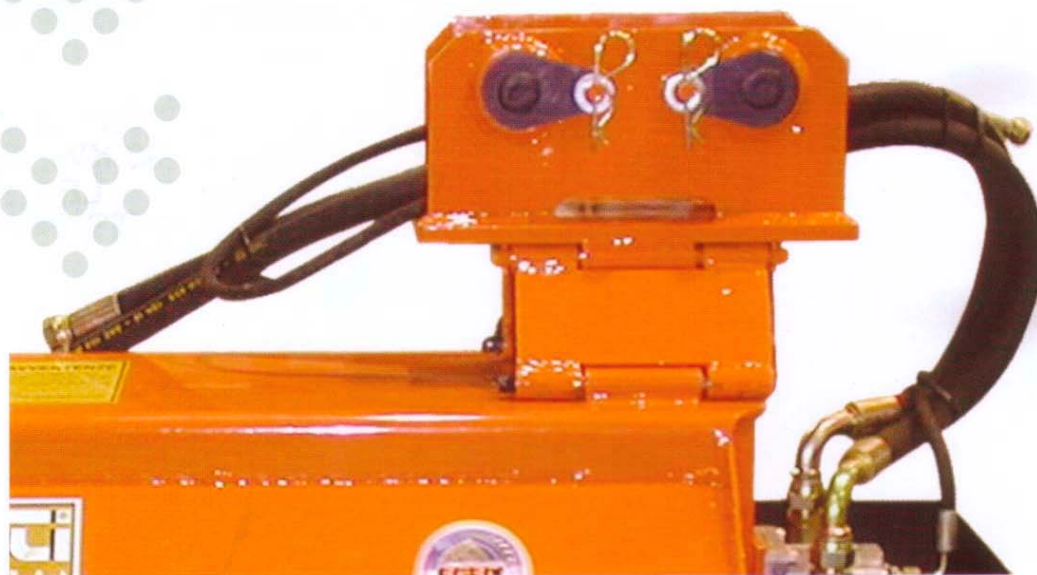


MODEL	 Working width Arbeitsbreite cm	A cm	B cm	C cm	 No. Hammers Nr. Schlegel	 Weight/Gewicht Kg	 Oil flow required Entfordertliche Ölmenge l/min	 Pressure Druck bar
PARK/SB 90	90	105	70	95	8	270	45-50	180-200
PARK/SB 110	110	125	70	95	10	290	45-50	180-200

# GKR/SB - PARK/SB

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untadv.com - 045.8780580



Removable and adjustable connecting hitch: the machine can be positioned at 90° and 45° in relation to the operating arm and it is easily adaptable to several excavators.

*Verstellbare Anbauplatte: die Maschine kann mit einem Winkel von 90° und 45° in Verhältnis zum Baggerarm arbeiten und kann leicht verschiedenen Baggern angepasst werden.*



## BEROLI<sup>®</sup>

PROFESSIONAL

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All data and pictures included in this leaflet are indicative but not binding.

*Alle in diesem Prospekt dargestellten Angaben und Bilder, sind als aufklärend aber nicht als verbindlich zu verstehen.*



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## Technical characteristics of mulcher Mod. PARK/SB to be fitted to the arm of excavating machines (40-70 HP – 4-7 t.)

Mulcher Mod. **PARK/SB 90** – working width: 90 cm; weight 270 kg  
 Oil flow required: 45-50 l/min - Pressure: 180-200 bar

Mulcher Mod. **PARK/SB 110** – working width: 110 cm; weight 290 kg  
 Oil flow required: 45-50 l/min - Pressure: 180-200 bar

These machines are suited to mulch anything from grass too branches with a diameter of up to 2 cm and are equipped with hitches, pins, electronically balanced rotor with hammers, levelling roller, hydraulic gear-motor and belts transmission.

### Type of work required:

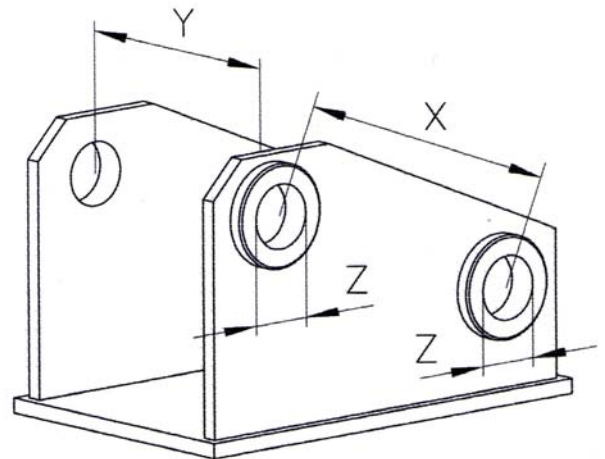
Grass .....	Canes .....	Bushes and branches up to 2 cm. of diameter .....
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Working width required (cm)	90 .....	110 .....
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### Data of excavator.

Brand / Manufacturer: .....	Model: .....	Power, HP .....	Tracked: .....	Tyre: .....
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X (mm)..... <b>If possible, please choose one of the following: 250; 300 mm.</b>
Y (mm) ..... Z (mm) .....
Data taken from: Arm ..... Bucket .....
Arm with quick hitch system: <input type="checkbox"/> YES <input type="checkbox"/> NO Type: .....
Greasers of pins: .....



### Hydraulic system of the excavator.

The excavator should be equipped with a hydraulic system complete with oil shutter valves. A hose constantly feeds the mulcher according to the above specified capacity and pressure.

Should the excavator be equipped with several pumps, it may be necessary to use all the pumps in order to reach the required oil delivery and pressure.

There should be a unidirectional distributor installed (that makes the oil flow in one direction only) for the feeding of the mulcher and it is only to be used for this purpose.

It is necessary to have such a hydraulic system to ensure maximum performance.

All movements that consume the oil destined to the mulcher must to be avoided, as this would compromise the performance of the mulcher.



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**Hoses.**

The excavator must have two hoses (oil delivery and oil return) and a drainage hose:

- the oil delivery hose (Ø 3/4" minimum) must be connected to the distributor; the connector to the mulcher must be type Ø 1" gas male;
- the return hose (Ø 1" minimum) must be connected directly to the oil tank; the connector to the mulcher must be type Ø 1" gas male;
- the drainage hose (Ø 1/2" minimum) must be connected directly to the oil tank under the oil level itself, or at the top of the tank with a draft hose that has to be constantly under the oil level; the connector to the mulcher must be type Ø 1/2" gas male;

The three hoses have to be long enough to reach a level of about 60-70 cm from the bottom of the excavator arm and, if possible, on the left side of the arm when facing the excavator.

It is good practise to mount some plug cocks at the end of the hoses, in order to avoid oil leakage during the mounting and removing operations.

**Hitches.**

Made to measure in accordance with the data provided by the customer / dealer.

**Safety**

The machines are built in conformity with the MACHINES SAFETY STANDARDS and certified with the CE symbol.

**Customer's data.**

Name of Company: .....

Address: .....

Tel: ..... Fax: .....

Contact's name: .....

Date: ..... Signature: .....

**NOTES:**

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**Any order of each of the a.m. implements has to be previously authorized by the Technical Dept. of BERTI Company. Technical data of the relevant excavators have to be supplied by the customer/dealer and approved by BERTI.  
BERTI may not be responsible of any failures to the excavators that may occur.**



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## Technical characteristics of flail-head Mod. GKR/SB to be fitted to the arm of mini-excavating machines (25-50 HP / 1,8 - 3,5 t.)

Mulcher mod. **GKR 60 SB** – working width 60 cm; rotor with 20 blades; weight 90 kg  
 Oil flow required: 30-35 l/min;  
 Pressure: 130-150 bar

Mulcher mod. **GKR 80 SB** – working width 80 cm; rotor with 28 blades; weight 105 kg  
 Oil flow required: 35 l/min  
 Pressure: 130-150 bar

The machine is suited to mulch grass and light bushes, and is standard equipped as follows:

- hydraulic bi-directional motor;
- Y blades;
- adjustable rear roller;
- swinging hitch, made to measure in accordance with data provided by the customer;
- EC safety protections;

### Hydraulic system of the mini-excavator

The excavator should be fitted with a hydraulic system complete with oil shutter valves. A hose constantly feeds the flail-head according to the above specified capacity and pressure.

Should the excavator be equipped with several pumps, it may be necessary to use all the pumps in order to reach the required oil delivery and pressure.

There should be a unidirectional distributor installed (that makes the oil flow in one direction only) for the feeding of the flail-head and it is only to be used for this purpose.

It is necessary to have such a hydraulic system to ensure maximum performance.

All movements that consume the oil destined to the flail-head have to be avoided, as this would compromise the performance of the flail-head.

### Hoses

- the oil delivery hose (Ø 1/2") must be connected to the distributor; the connector to the mulcher must be type Ø 3/4" gas male
- the return hose (Ø 3/4") must be connected directly to the oil tank; the connector to the mulcher must be type Ø 3/4" gas male
- the drainage hose (Ø 3/8") must be connected directly to the oil tank under the oil level itself, or at the top of the tank with a draft hose that has to be constantly under the oil level; the connector to the mulcher must be type Ø 1/4" gas male.

The three hoses have to be long enough to reach a level of about 40-50 cm from the bottom of the excavator arm and, if possible, on the left side of the arm when facing the excavator.

It is good practise to mount some plug cocks at the end of the hoses, in order to avoid oil leakage during the mounting and removing operations.

### Safety

The machines are built in conformity with the MACHINES SAFETY STANDARDS and certified with the CE symbol.

### Data of mini-excavator

Brand / Manufacturer: .....	Model: .....	Power, HP: .....
X (mm)..... <b>If possible, please choose on of the following: 130; 190; 230 mm</b>		
Y (mm).....	Z (mm) .....	
Data taken from: Arm ..... Bucket .....		
Arm with quick hitch system: <input type="checkbox"/> Yes <input type="checkbox"/> NO Type: .....		
Greasers on pins: .....		

