

**Ochsenkopf**

Robust quality

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**OREGON FORESTRY PRODUCTS**

## State of the art Manufacturing System for Chain Saw Guide Bars



Since the development of the first chipper chains more than 50 years ago, OREGON® has been at the forefront of cutting systems technology. OREGON® has continued to bring new innovative products to the market incorporating the latest developments in cutting performance and safety, notably cutting chains featuring low kickback energies, reduced vibration,

narrow kerf and enhanced lubrication features. OREGON® is truly a worldwide operation with manufacturing plants in Guelph, Canada (1952); Portland, Oregon (1965); Curitiba, Brazil (1979); and Fuzhou, China (2005).

A multimillion dollar investment in new technology has propelled the Oregon Cutting Systems Division of Blount, Inc. into being the worlds largest guide bar manufacturer. The automated, state of the art integrated manufacturing system in Guelph, Ontario, Canada produces guide bars of the highest quality for chainsaw and harvester manufacturers and users worldwide.

**Rigid Reliability and Performance Standards**

The entire bar manufacturing process underwent a number of experimental design investigations. Each piece of equipment is held to rigid reliability and performance standards. The process begins when a speciality bar steel coil starts a 13 process journey of transformation into finished bars. A combination of straightening, feeding, and shearing machines uncoil the material and shear it into the bar lengths. Material for all solid bar products are on hand at all times, determined by product forecasts. Each steel sheet will yield from 8 to 30 bars depending on bar sizes.

**FIRST CLASS CIRCULAR SAW BLADES**

## Nothing stops these teeth

Kramp recently introduced a range of circular saw blades in various designs. The chrome steel saw blades with the Kramp brand are recognised by their tooth form KV - A. These bright chrome steel, flat ground blades are ideal for woodworking and are available in various thicknesses and diameters.



More information at [www.kramp.com](http://www.kramp.com)



## 230V Hydro professional chainsaw grinder

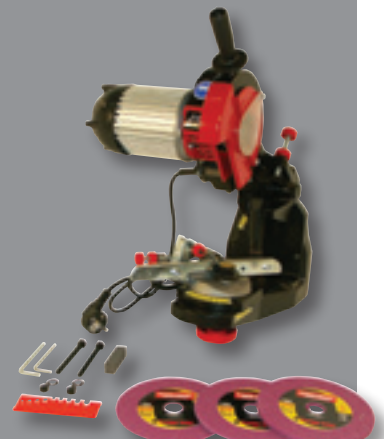
The Hydro is a chain grinder suitable for most types of saw chains. What is special about this model is the hydraulic system that ensures that the saw chain is automatically secured when the grinding disc is inserted in the cutter.

The grinder is fitted with a powerful, quiet vibration free motor and a 15W lamp for better visibility of the grinding action. This chain grinder is easy to adjust and just needs connecting to a 230V wall socket.

**Advantages:**

- Automatic clamp for fast working
- Able to work accurately and comfortably
- Lamp provides better visibility of grinding work

The set consists of: chain grinder, two different grinding discs and an instruction manual.



## FORESTRY TOOLS FROM OCHSENKOPF

# A long tradition of robust quality



Axes, keys, or hatchets - the OCHSENKOPF company is characterised by 225 years of experience in the production of forestry tools. The company places special emphasis on the careful selection of its raw materials during production: Only high quality materials are used. OCHSENKOPF tools are primarily made from C60 steel. The quality of this steel exceeds requirements, according to DIN (C45). The material has impressive stability and guarantees a long service life. During the manufacturing process, the steel surface is first sand blasted, before the blade then undergoes finishing. Spherical sharpening instead of knife sharpening increases the stability of the tool. In addition, a special alloy protects the axe head from corrosion. The result is perfect resistance to wear.

The company also focuses on quality when it comes to handle production: Only high quality wood is used for OCHSENKOPF handles. A triple wedging of the handle, through a wooden wedge and two ring wedges, ensures a permanently safe joint.

The Ochsenkopf company was founded by the Fahlefeld brothers in Wuppertal, Cronenberg in 1781. Today, the company symbol, an ox head, is one of the oldest symbols in the tool industry. In 2004 Ochsenkopf became part of the GEDORE group. Since then, the high quality Ochsenkopf tools have been produced under the company name DAKO Werk Dowidat KG.

### Certified safety

Qualified testing laboratories confirm the high quality of OCHSENKOPF tools: An example is the BIG OX, which carries the KWF quality mark for serviceability. This mark stands for the valuation of the use of forestry tools in regard to workplace safety, ergonomics and environmental friendliness. Even the deduction values of the BIG OX exceed required handle deduction values by a large margin and therefore, bear the VPA GS mark of safety from the Remscheid testing laboratory.



## TIPS & TRICKS

# Chainsaw KickBack

Bar nose kickback is one of the more common causes of serious chainsaw accidents.

Kickback may occur when the moving chain at the nose or tip of the guide bar touches an object, or when the wood closes in and pinches the saw chain in the cut. Tip or bar nose contact can, in some cases, cause a lightning fast reverse reaction, kicking the guide bar up and back toward the operator. Pinching the cutting chain along the top of the guide bar may push the guide bar rapidly toward the operator. Either reaction may cause you to lose control of the saw, which could result in serious personal injury to the user or bystanders.

The top of the tip of the chainsaw guide bar is known as the KICKBACK DANGER ZONE. When contact is made with an object such as a branch or log, there is a danger of a sudden bar nose kickback reaction.

Modern chainsaws are equipped with a variety of devices intended to reduce the risk of injury from kickback or other causes. Among these are the chain brake, the front (left) hand guard, the bar tip



guard and low or reduced kickback saw chain and guide bars. To assure the protection afforded by these devices is maintained, it is important your chainsaw is properly and fully assembled, and that all components are securely attached and functional.

We recommend that OREGON® low kickback chain be used on all saws unless the user has experience and special training for dealing with kickback. Before using any chainsaw, thoroughly read the manufacturer's operating and safety instructions.

**SAFETY APPLIES TO FEET TOO**

# Professionally protected when working in the forest

Whenever conventional safety shoes do not offer adequate protection, forest boots and cut resistant boots are used.



Only a forest boot with a special cut resistant material protects the wearer from injury if, for example, the power saw slips. The cut resistance in footwear for forestry work is assigned to the category II EC Directive 89/686/EEC and must be CE marked.

**The KWF and FPA mark**

The Board of Trustees for Forestry and Forestry Machinery (KWF) carries out FPA tests (FPA = Forestry Machinery Examination Board) to determine the suitability of personal protective equipment for forest work.

## How do you measure a saw chain?

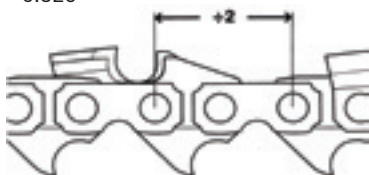
**Saw chain dimensions**

A saw chain must be the correct size for the drive sprocket and the chainsaw guide bar. A chain is always described with three dimensions;

- The pitch
- The drive link gauge
- The length

The pitch is the distance spanning three consecutive rivets, divided by two. The distance is specified in inches or millimetres (mm). 1 inch = 25.4mm. Some examples:

- Measured  $18.64\text{mm}/2 = 9.32\text{mm} = 3/8"$
- Measured  $16.50\text{mm}/2 = 8.25\text{mm} = 0.325"$



Examples: 3/8" - .404" - 1/4" - .325"

The bigger the pitch, the heavier the material and the stronger the chain.

The drive link can have various gauges. The width of the guide bar groove determines the drive link gauge.

Some examples:

- 0.050" = 1.3mm
- 0.058" = 1.5mm



Examples: .050" (1.3mm) - .058" (1.5mm) - .063" (1.6mm) - .043" (1.1mm)

The length of a chain depends on the length of the chainsaw's guide bar. The number of links required for the guide bar length can usually be found on the bar itself.

**NEW: THE ECOCUT FROM LOGSAFE**  
**The innovative saw horse for one man operation**



Mount, secure and saw - sawing work really can be this easy. But first you need the right saw horse: the ECOCUT for trailer tailboards is the perfect solution. This system offers some unbeatable advantages over conventional saw horses:

- As the system is mounted on the trailer, the ECOCUT offers excellent stability

- The system includes a saw guide with a stop point at the end
- The weight of the saw is considerably reduced with the help of the guide
- The saw remains at working height, chips fall onto the floor and the chunks of wood fall directly into the trailer
- A retaining bracket for wood is included in the scope of delivery.

**PRODUCT**

**Parts for chippers and stump grinders**



**Kramp has essential wearing parts for stump grinders and wood chippers in its product range. The correct part required is determined by the type of chisel and assembly.**

The principle of the stump grinder is similar for all brands, with the main variations found in the assembly and model of the cutter chisels and chisel retainers. There are differences, for example, in the chisel shape and in how the chisels are fitted to the cutter wheel. A distinction is also made between chisels that are fitted in a separate retainer and chisels and a retainer made from one piece.

Round chisels are available with various chisel head diameters. These chisels are mounted in a separate retainer and are easy to assemble and disassemble. Kramp has a wide range of high quality chisels and chisel retainers for stump grinders in its product range. You can find these in our webshop under "stump grinder spare parts" in the Forestry products menu.

**Wood chipper blades**

The wood chipper or tree chipper is a machine used in forestry to chop up tree waste such as branches and small trunks.

An important part of this machine is the chopping blades. Kramp offers a wide selection of high quality chopping blades that fit the most common brands in its range.



## Gopart chainsaw files, chain grinder and oil.

New to Kramp's product range are the Gopart chainsaw files and a hobby chain grinder.

These tough chain files are available as round files in diameters of 4.0mm, 4.5mm, 4.8mm and 5.5mm and as a flat file.

Gopart's hobby chain grinder is also new to the range. This grinder (4800 rpm, supplied with grinding disc) is simple to operate and comes at a very competitive price.

Order number: FGP455146GP

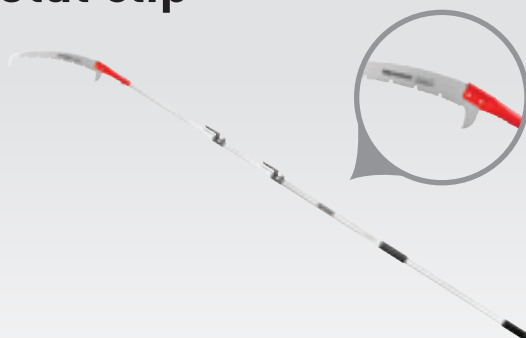
Gopart's range of chainsaw oils were introduced earlier this year. Mineral chainsaw oil from Gopart is a very popular high quality oil with various special additives, making it suitable for all professional chainsaws. The oil provides optimum lubrication and adheres firmly to the chain, which reduces "Fling". Available in quantities of 1L, 2L, 5L, 20L, 60L and 220L.



## Aluminium telescopic pole system with full metal clip



The coated full metal structure of the clip offers continuous, stable and wobble free quick adjustment, which is very durable and has proven excellent in professional use. This also applies to the solid connector system of high performance tools such as saws, shears and fruit harvesters.



- 3-piece (Part no. 74800BER): effortless function up to heights of approximately 6m, extendable up to 4.65m, base length 1.75m

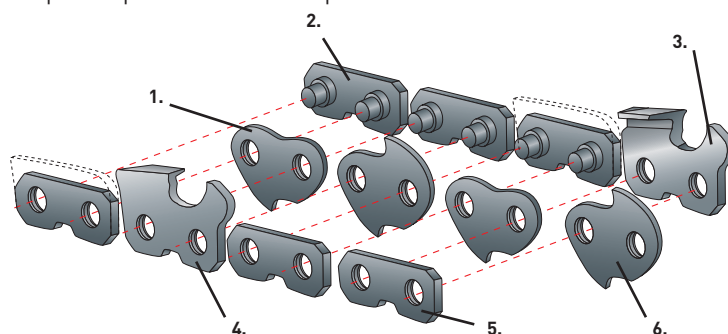
- 2-piece (Part no. 74300BER): simple function up to heights of 4.20m, extendable up to 3.20m, base length 1.75m

[www.berger-garten.com](http://www.berger-garten.com)

## Chain saw components

A brief overview of the component parts which make up a chain saw.

1. Drive Link
2. Preset Tie Strap
3. Cutter (Left)
4. Cutter (Right)
5. Plain Tie Strap
6. Bumper Link



### CONSIDER THE QUALITY CATEGORY

## Heavy duty chains for tough jobs

For use in conjunction with cable winches and cable pulleys, forestry chains are specially designed for hauling logs in the forest. Different forestry chains are available depending on the intended use as either skid chains, all purpose chains or choker chains. They consist of a robust chain, a push through pin and a towing hook. The standard quality level is quality class 8. The chains used are square link or round link chains. Professional skid chains are available in quality category 10 and can be recognised by their blue paint. Due to the higher tensile strength of the material, smaller chain sizes can be used. When used in a forest, the correct length of the chain is imperative. If it is too long, it hampers the work. As the specified tensile forces are



maximum values, the chain should always be selected according to the conditions.

Kramp offers a wide range of forestry chains at [www.kramp.com](http://www.kramp.com)

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