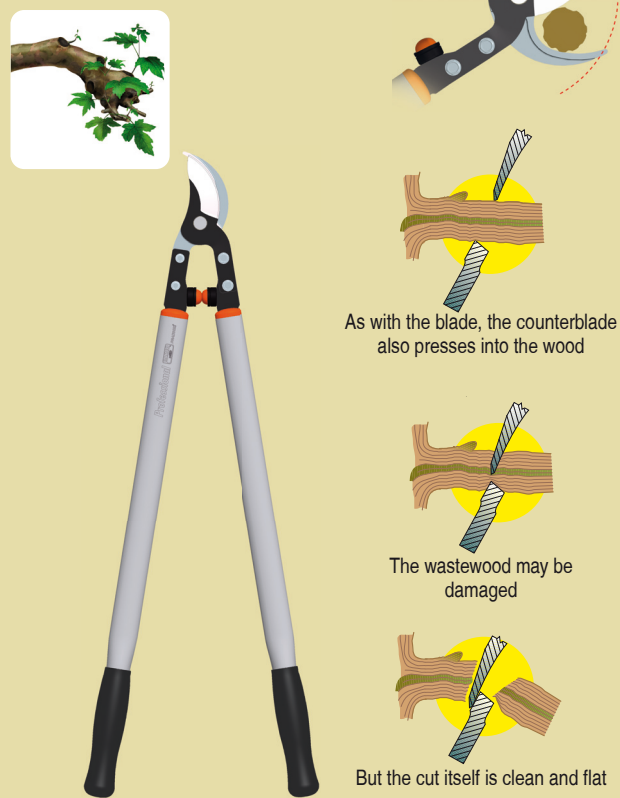


“If you want to design a professional lopper, first talk to someone who uses one to earn a living!”

During the development of a lopper, our engineers go into the vineyards and orchards of the world to discuss and test their ideas with professional users. What interests them more are the ideas and experiences of the men and women who work day-after-day trimming and nurturing plants.

There are two different types of lopper design: the **BYPASS** lopper and the **ANVIL** lopper, and although both tools can cut most types of wood, each design has features which make it especially good for its particular purpose.

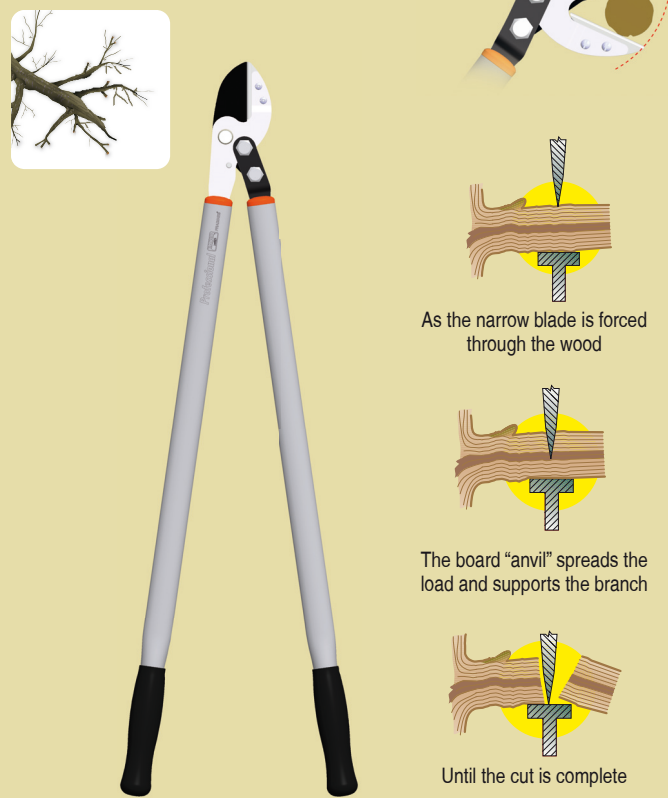
BYPASS loppers:
for cutting live and green wood



Bypass loppers are used for cuts that affect the health of the plant. The cutting blade of this lopper slices past a counterblade in a scissor action, hence the name “bypass”.

This motion requires less force than a straight cut, and causes less compression damage to the wood.

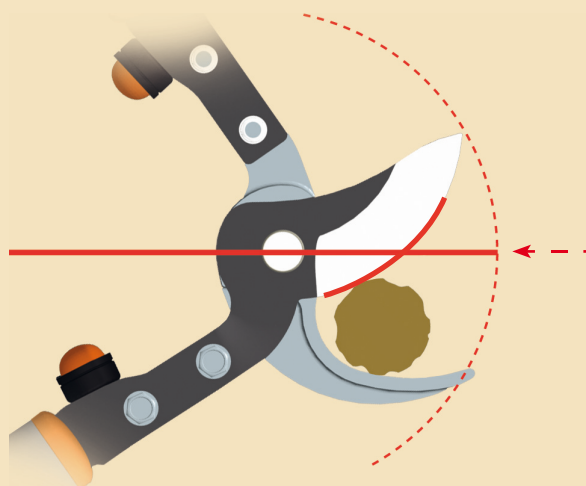
ANVIL loppers:
for cutting mature and dry wood



Anvil loppers are used where cleanliness of cut is not as important as removal. The anvil supports a broad area of the branch while the sharp and narrow blade is forced through the mature wood with only a minimal amount of slicing motion.

Even with anvil loppers, cutting through mature and dry wood takes significant force. For larger branch diameters, and especially for professional users, who may take thousands of pruning cuts a day, Bahco developed “leverage assisted” anvil loppers which require 30% less effort for the same cutting effect.

The slicing cut: the key to top performance

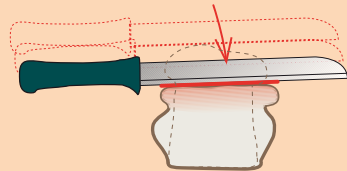


The illustration above shows the slicing action of the blade as it passes through a branch. This “slice-cut”, a unique feature of Bahco loppers, has four main benefits for the user:

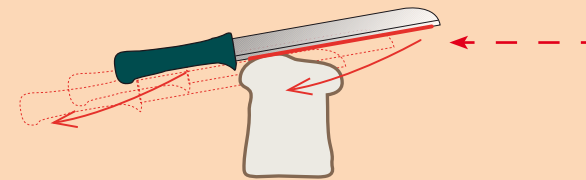
1. Less cutting is required
2. Less damage to the plant; clean cuts
3. Less wear and longer tool life
4. Less broken blades

The excellent design features and materials incorporated in Bahco loppers offer better overall value. Investment in quality is rewarded in efficiency and extended tool life.

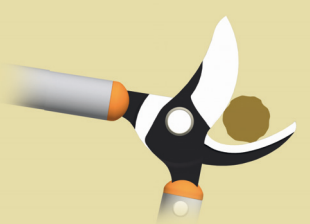
The effectiveness of the Bahco slicing cut is clear if you imagine cutting bread. No matter how sharp a blade is, if you attempt to cut by pressing down without slicing, the bread compresses and becomes tougher to cut.



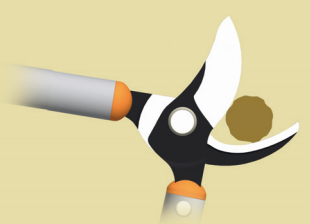
Slicing produces a clean cut with little effort. The leaf also retains its shape.




Different cutting heads for different applications




P114 style
Slim, narrow cutting head, specially designed for pruning in confined spaces.



P116 style (P116-SL, P16, P19)
Strongly curved large blade with deep hooked counterblade. Designed for pruning below waist-height and towards the ground.

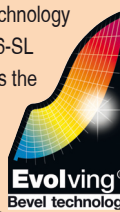


P160 style
Narrow blade combined with a deep hooked, thin counterblade. Well balanced lopper designed for pruning above shoulder height.



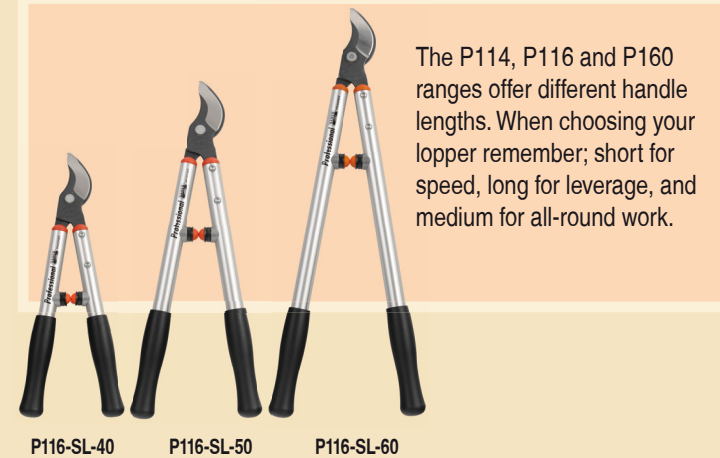
P172 style
Strong blade with anti-friction coating, interchangeable anvil lever action to facilitate the pruning of mature and dry wood.

The evolving bevel technology is utilized on the P116-SL loppers and reinforces the slicing motion of the blade. This is an advantage when cutting thick branches.

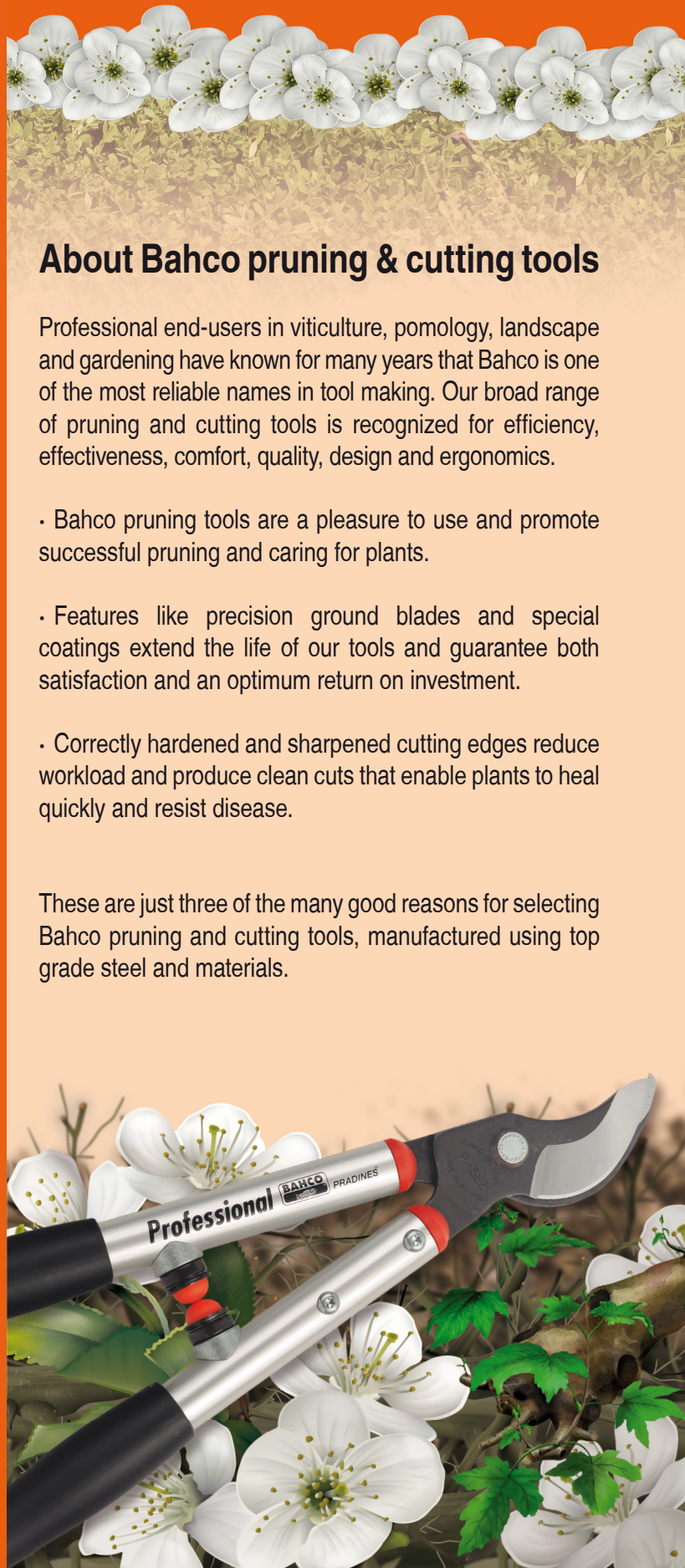


Long, short or medium sized handles?

Long handles enable greater leverage and will allow you to reach into undergrowth or brambles to make cuts. Short handles enable faster manipulation and accurate cutting.



CHOOSING THE CORRECT
LOPPERS
FOR YOUR NEEDS



About Bahco pruning & cutting tools

Professional end-users in viticulture, pomology, landscape and gardening have known for many years that Bahco is one of the most reliable names in tool making. Our broad range of pruning and cutting tools is recognized for efficiency, effectiveness, comfort, quality, design and ergonomics.

• Bahco pruning tools are a pleasure to use and promote successful pruning and caring for plants.

• Features like precision ground blades and special coatings extend the life of our tools and guarantee both satisfaction and an optimum return on investment.

• Correctly hardened and sharpened cutting edges reduce workload and produce clean cuts that enable plants to heal quickly and resist disease.

These are just three of the many good reasons for selecting Bahco pruning and cutting tools, manufactured using top grade steel and materials.

“Which lopper is best for which job?”

To satisfy the broadening spectrum of our end-users, Bahco offers an extended range of loppers with features and cutting capacities relevant to specific tasks.


New materials and manufacturing techniques have enabled us to design many new tools which exploit the advantages of Hi-tech materials.

The result of this long term development is the broadest range of top quality professional tools in the world.

Application environment


Viticulture

Tending vines and shrubs involves frequent pruning of young wood. The branches are fairly small in diameter and usually quite sappy. Light-weight loppers with short to medium handles are perfect for this type of work.



Pomology

Pruning fruit trees keeps them healthy and can greatly increase fruit quality and yields. Clean cuts and well-designed tools make a significant difference to yields by reducing disease and speeding-up healing.



Landscape

For this type of work you will need the large capacity, long-reach and powerful leverage of the largest loppers.



Garden

Bahco "gardening" loppers are designed with the same consideration as the professional tools.



Professional Loppers

P114-SL-60
P114-SL-50
P114-SL-40

P116-SL-70
P116-SL-60
P116-SL-50
P116-SL-40

P16-60-F
P16-50-F

P160-SL-90
P160-SL-75
P160-SL-60

P19-80-F

P172-SL-85

P280-SL-80

Garden Loppers

PG-18-75-F
PG-18-60-F
PG-18-45-F

PG-19-F

PG-17-F

P140-F

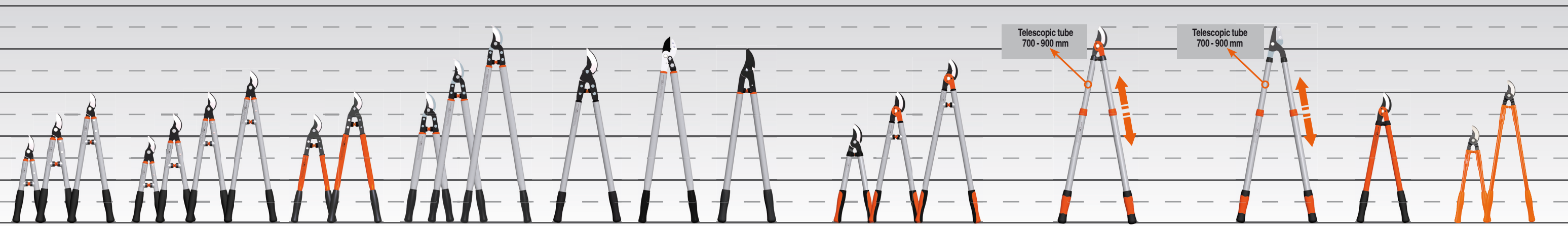
PG-22-65-F
PG-22-45-F

inch

0 4 8 12 16 20 24 28 32 36

cm

0 10 20 30 40 50 60 70 80 90



The **P114 range** has been especially designed for working in restricted spaces. The cutting head has a slimmer shape, and the handles and the blades do not open as wide as the P116.

The **P116 range** of loppers features the same cutting head fitted to a range of handle lengths. Shorter handles enable faster work and greater manoeuvrability. Longer handles provide reach and leverage.

The **P160 range** is for the orchard professional with features optimized for fruit-tree pruning.

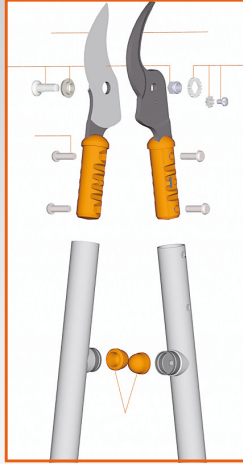
These two loppers are specifically designed for heavy-duty tree pruning. The **P19-80-F** has the largest cutting head and longest handles. The **P172-SL-85** has been developed for pruning dense mature and dry wood with large diameter branches.

► Bahco **garden loppers** are designed with the same consideration for the occasional users as the professional tools. Intended specifically for the discerning private consumer who expects to prune just a few trees or shrubs once or maybe twice a year. The garden range loppers offer some distinct features;

- Comfortable 2-component handles
- Narrower blades for lower friction
- Small handle sizes
- Telescopic handles
- No spare parts available


Lopper type	Application environment				Cutting head		Cutting head type				Lever action	Cutting capacity (in mm and inches)					Spare parts
*** Highly recommended ** Recommended * Acceptable												25-30 1"-1 1/4"	30-35 1 1/4"- 1 3/4"	35-40 1 3/4"- 1 1/2"	40-45 1 1/2"- 1 3/4"	45-50 1 3/4"- 2"	
Professional Loppers																	
P114 (range)	***	*			yes		yes					•					yes
P116 (range)	***	***			yes			yes			yes		•				yes
P16 (range)	***	***	*	*	yes			yes					•				yes
P160 (range)		***	**		yes				yes					•	•		yes
P19-80-F			***		yes			yes								•	yes
P172-SL-85		***	**			yes				yes	yes				•		yes
P280-SL-80		*	*	***	yes						yes			•			yes
Garden Loppers																	
PG-18 (range)				***	yes										•		
PG-19-F				***	yes										•		
PG-17-F				***		yes								•			
P140-F				***	yes									•			
PG-22 (range)				***	yes							•					

Replaceable parts



If a blade becomes dull or a buffer is worn out, the investment in a professional tool is not lost.

The ability to replace just a worn part is a money-saving feature than can extend the life of the tool.



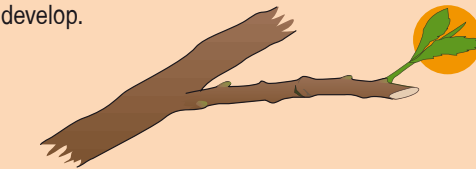
To help you choose the correct replacement part, detailed information including part codes are available on the backside of the packaging.

Pruning tips

Make your pruning cut, at an angle, approximately half an inch from a bud (if possible with the lopper blade towards the tree). Cut at an angle that will direct excess sap and moisture away from the chosen bud.



Choose a bud which will grow in the direction you want the plant to develop.

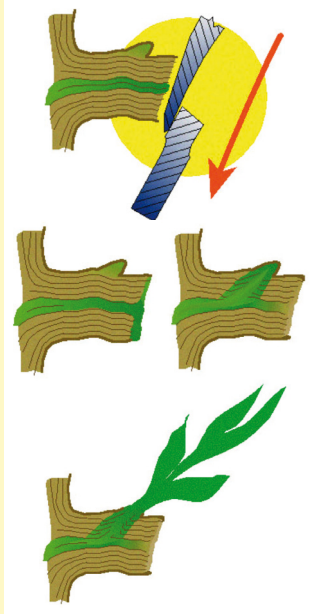


Pruning during the dormant period, in autumn and winter, will encourage vigorous new growth during the next growing season. Pruning during spring and summer will inhibit growth.

The importance of a good, clean cut

The response of a plant to a cut or wound is not unlike that of an animal. The plant bleeds a sap or resin from the wound which dries to form a protective shield.

The healing process continues long after the cut has been sealed and consumes considerable amounts of energy. Naturally, while energy is being diverted to heal wounds, it is no longer available to the plant to fuel normal growth. The importance of good clean pruning cuts can, therefore, never be over-stressed. Not only does a clean cut heal quickly, during the time the wound is open, the plant is exposed to less risk of damage from disease, fungus and weather.



Caring for Bahco loppers

A small amount of attention to your lopper at the end of a work session will keep it in top condition. Here's how:

- Moisten a rag with SAP-X until it feels damp. Wipe sap and debris from the blade and counterblade.
- Cleaning the blade with an oily rag coats them with a layer of oil for added rust protection.

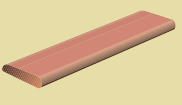
Just a few moments spent sharpening your lopper blade will keep it ready for action.



Use a Tungsten-carbide sharpener to keep the blade razor sharp during the day.



Use a grained stone to take away notches and a fine grain to finish the cutting edge.



Hold the lopper as shown and stroke the blade 5 times in the direction of the arrows.



Work on the honing angle with 5 strokes. Remove burrs with one light stroke on the back side. Keep sharpener or stone almost flat or with a slight angle of 10°.

Put a few drops of Bahco Eco-Lube100 onto the blade and let them soak towards the bolt.



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