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ICONOGRAPHY

To assist users in selecting the tools which best fit their needs, the assortment has been organized into:

AREAS OF APPLICATION

▶ VITICULTURE ▶ POMOLOGY ▶ LANDSCAPE ▶ FORESTRY ▶ GARDEN ▶ OUTDOOR



TYPES OF VEGETATION

▶ BRANCH MATURE AND DRY WOOD ▶ BRANCH LIVE AND GREEN WOOD ▶ SHRUBS ▶ HEDGES ▶ FLOWERS

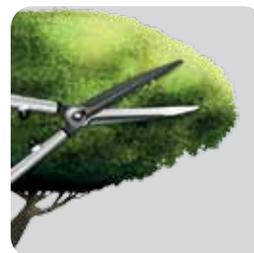


TABLE HEADERS

Product code	EAN code	Package quantity	Cutting capacity	Tool weight	Tool length	Handle size	Battery capacity	Working pressure	Air consumption	Blade length	Blade length
Toothing	Tooth per inch	Handle length	File length	File diameter	Round	Double edge	Flat with 2 straight edges	Flat with 2 round edges	Blade length	Blade length	

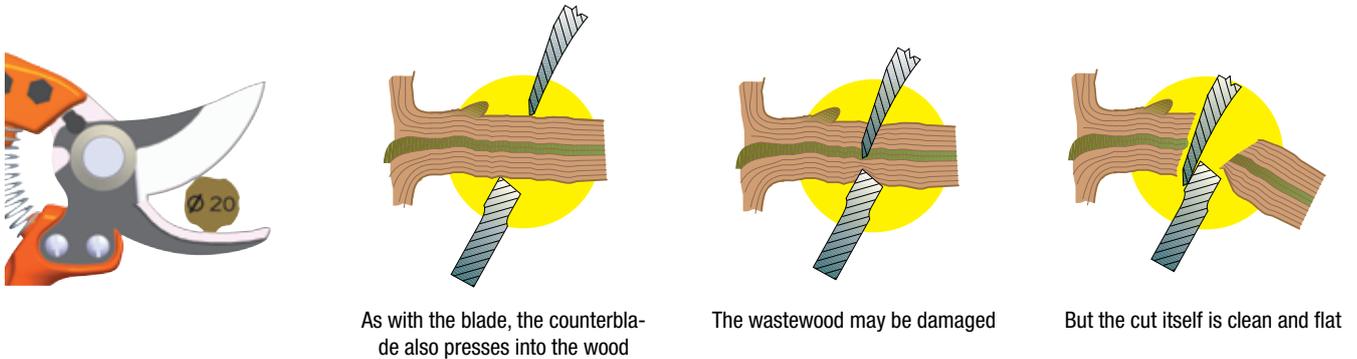


Left-handed

BLADE TECHNOLOGY

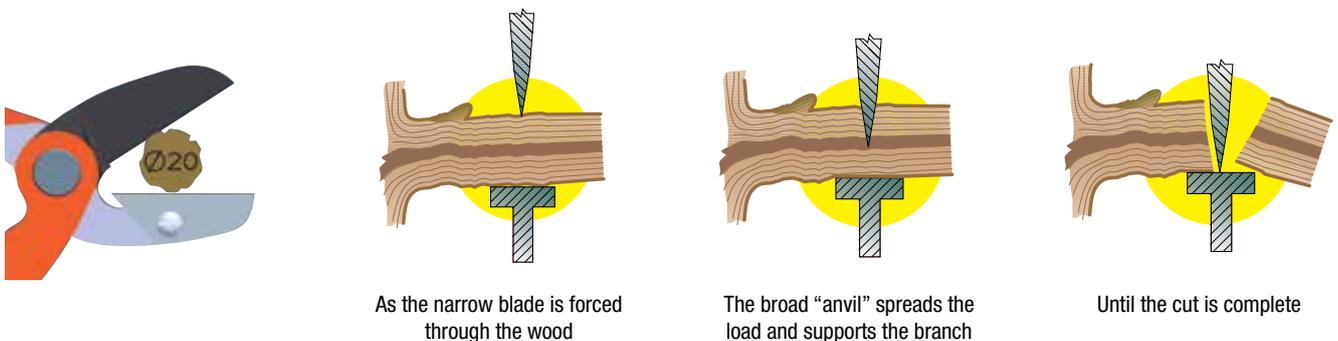
► **BYPASS:** for cutting live and green wood

Bypass secateurs and loppers are used for cuts that affect the health of the plant. The bypass cutting head owes its name to the fact that the cutting blade “passes-by” the counterblade in a scissor action. Bahco bypass secateurs slice through the wood as they cut it. This motion requires less force than a straight cut, and causes less compression damage to the wood.



► **ANVIL:** for cutting mature and dry wood

Anvil secateurs and loppers are used where cleanliness of cut is not as important as removal. The blade is narrower and sharper than that of the bypass secateur. When cutting mature and dry wood, the blade must be forced through the wood with greater pressure. The “anvil” supports the branch and spreads the pressure to reduce damage.



BYPASS



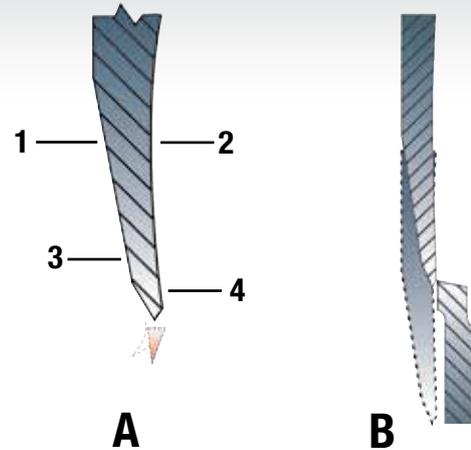
ANVIL



▶ THE CUTTING EDGE

▶ Four separate grinding operations are performed (Drawing A)

- 1- Main bevel, the cutting area of the blade is tapered to a point
- 2- Cavity, a shallow hollow is ground into the inner face of the blade
- 3- Second bevel, the edge is polished to a razor sharp point
- 4- Back bevel, an additional honing angle is ground on the inside edge



▶ Reduced friction and sticking (Drawing B)

Due to the hollow inner face, the blade only touches the counterblade at the point of cutting. This reduces friction and the risk of sticking and increases the performance of the tool.

▶ SLICING CUT

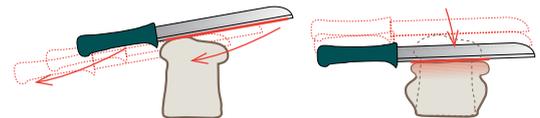
How it works

- ▶ The sharp upward curve of the blade causes the leading edge to “slice” as it cuts into wood.
- ▶ The off-centered pivot bolt doubles this slicing motion increasing the length of the blade which is used for cutting.



Why it works

- ▶ Imagine cutting a loaf of bread. No matter how sharp the blade, if you attempt to cut without slicing, the bread compresses and becomes harder to cut, therefore requiring more pressure which damages the loaf beyond repair. Bread and live wood are similar in that they can both be cut more efficiently if a slicing motion is added to the downward pressure.



Results

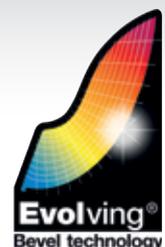
- ▶ Less cutting force required
- ▶ Clean cut without damaging the plants
- ▶ Less wear and longer blade life
- ▶ Fewer broken blades



▶ EVOLVING BEVEL

- ▶ The evolving bevel technology is the latest improvement of the slicing cut. A unique grinding profile of the blade reinforces the slicing motion and facilitates the penetration into the wood, especially at the beginning of the cut. This gives the user a feeling of ease, quickness and efficiency during pruning activities.

The evolving bevel technology is exclusive to Bahco Pradines and utilized in the P116-SL lopper range.



▶ ERGONOMIC SECATEURS PROFESSIONAL



▶ THE ERGONOMIC SECATEURS IMPROVES YOUR:

- ▶ *Comfort*
- ▶ *Security*
- ▶ *Health*
- ▶ *Efficiency*

The design of the ergonomic secateurs results from five years of scientific research and hundreds of user tests all over the world. The benefit of the design of the ergonomic secateurs has two major advantages for the end-users: less fatigue at the end of the day and a less painful, longer and more productive working life.

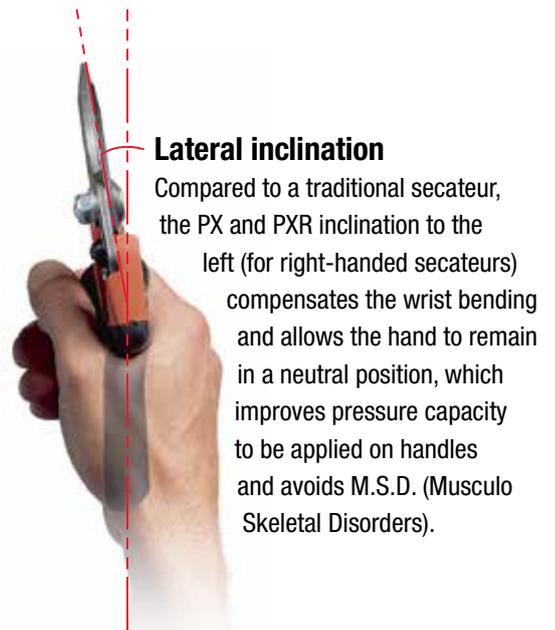
▶ WHAT MAKES THE PX AND PXR ERGONOMIC?

FEATURES

- ▶ Vertical and lateral inclinations
- ▶ Shape of the handles
- ▶ Elastomer coating on upper handles
- ▶ Choice of cutting head
- ▶ Choice of spring
- ▶ Hand measuring system

BENEFITS

- ▶ Keeps your wrist in a neutral position
- ▶ Provides comfort
- ▶ Helps to spread pressure evenly
- ▶ Provides the right cutting head for each job
- ▶ Adapts the secateur to the power of your hand
- ▶ Guides you to find the best secateur for you



PXR

Professional ERGO™ Secateurs



Features & Benefits

Elastomer coating on upper handles

Helps to spread pressure evenly



Choice of spring strengths

Adapts the secateur to the power of the hand



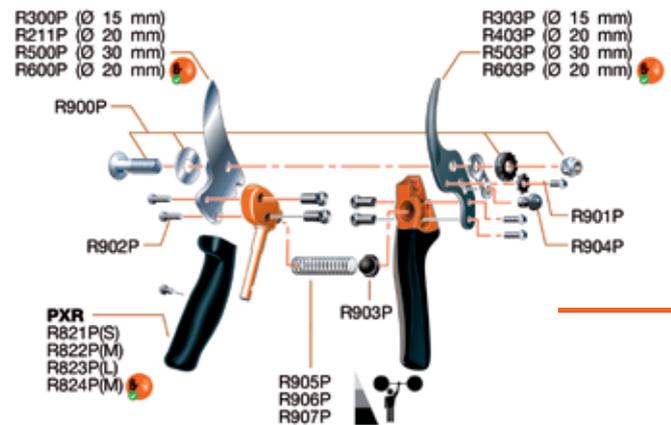
Slicing cut

Less cutting force required for a clean cut without damaging the plants



100% Modularity

All spare parts available



► PXR SECATEURS ROTATING HANDLE



- Secateurs developed according to the scientific ERGO™ process
- PXR is with a rotating lower handle also covered with soft material
- Rotating handle to keep contact points in a natural position, designed for frequent use
- Cutting head : 2 (20 mm, 3/4")
-

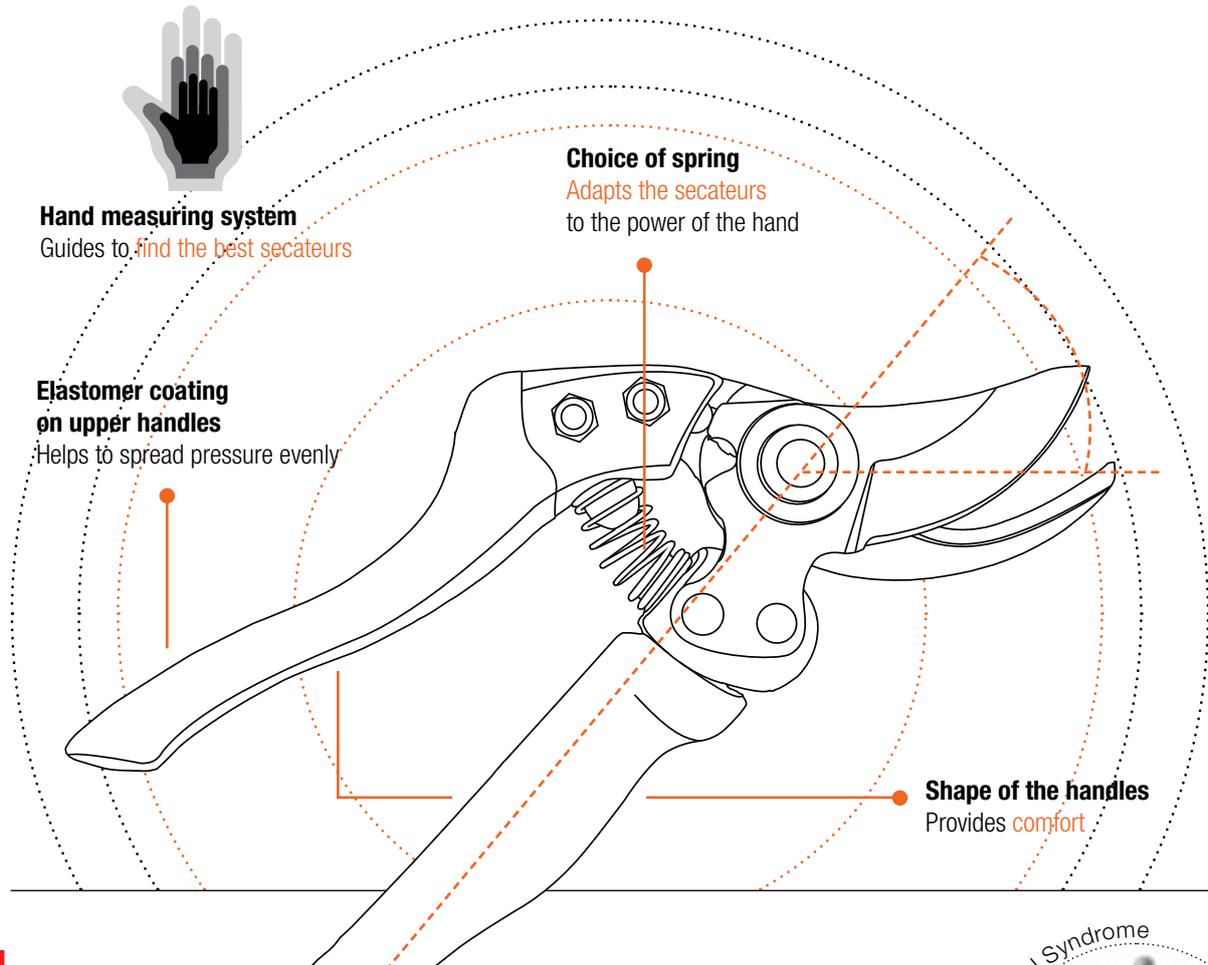
PXR-L2	8233914	1	L	20	3/4	395	13.9



Why ERGO™ is important

The use of a secateurs has an unquestionable impact on all muscles groups in your hand and arm, all the way from your shoulder to your hand.

The ERGO™ Secateurs are designed to make the job easier, more comfortable and less demanding for your muscles and joints.



Using the wrong tools can overload the muscles, causing **Muscle Fatigue** or even **Serious Injuries**.

Carpal Tunnel Syndrome



Vertical inclination. The downward inclination compensates the wrist bending and allows the hand to remain in a neutral position, significantly reducing the risk of Carpal Tunnel Syndrome.



Lateral inclination. The inclination compensates for the bending of the wrist, and allows the hand to remain in a neutral position, improving pressure capacity to be applied on handles and prevents MSDs (musculoskeletal disorders).

PX & PXR. PROFESSIONAL ERGO™ SECATEURS

ERGONOMIC CONCEPT

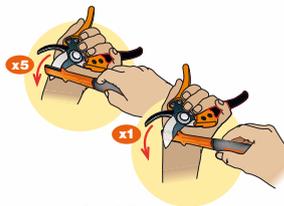
EN. Using the wrong tools can overload the muscles, causing **muscle fatigue** or even **serious injuries**.



CARPAL TUNNEL SYNDROME -
 Syndrome du canal carpien · Síndrome túnel carpiano · Karpaltunnelsyndrom
 Síndrome del túnel carpale · Síndrome do túnel carpiano · Σύνδρομο καρπιαίου σωλήνα



CLEANING AND SHARPENING SECATEURS

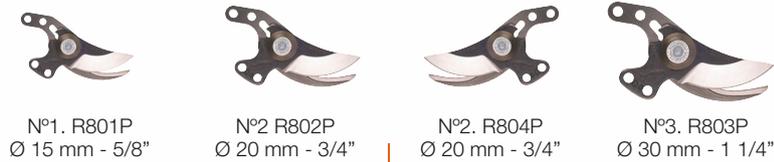


SHARP-X

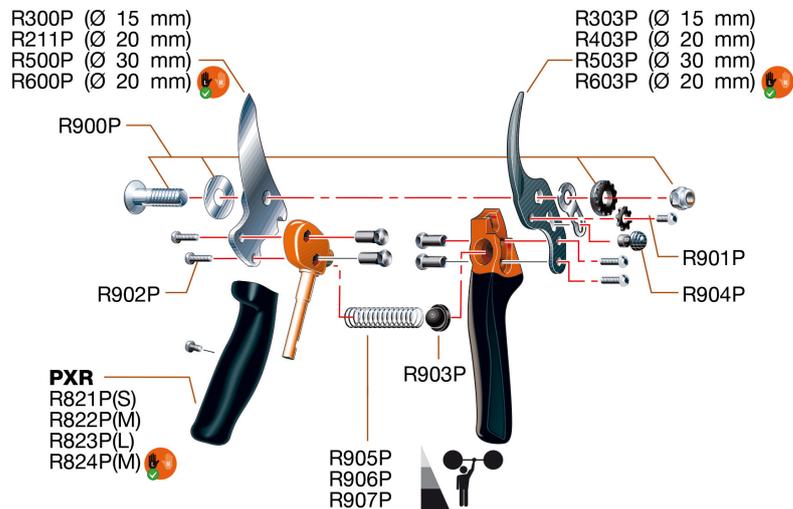


LUBE-2015

PXR. PROFESSIONAL ERGO™ SECATEURS



PXR



▶ ONE-HAND SECATEURS



▶ P1



- ▶ Designed for pruning vineyards, orchards and ornamental plants
- ▶ Blades with slicing cut and precision grinding for high performance
- ▶ Handles made of composite material in a comfortable shape
- ▶ Push-button locking device
- ▶ Spare parts available



P1-23	8332501	5	30	1 1/4	230	9	255	

▶ P108



- ▶ Narrow cutting head for easy reach
- ▶ Handles made of strong composite material with a soft grip on the upper part for maximum comfort
- ▶ Spare parts available



P108-23-F	8275525	2	25	1	230	9	375	

▶ KNIVES

▶ K-AP-1



- ▶ For all gardening work such as pruning, flower cutting and cutting of strings, plastics and paper material
- ▶ Stainless steel, bow-shaped folding blade
- ▶ Very flat design to fit into the pocket
- ▶ Comfortable extremely thin stainless steel handle

K-AP-1	8030117	10	180	7	90	

▶ K-GP-1



- ▶ For all gardening work such as pruning, flower cutting and cutting of strings, plastics and paper material
- ▶ Stainless steel, hook-shaped folding blade
- ▶ Very flat design to fit into the pocket
- ▶ Comfortable extremely thin stainless steel handle

K-GP-1	8030131	10	170	6 3/4	90	

▶ P11



- ▶ High-quality grafting knife for razor-sharp cutting of the graft and bark
- ▶ Spatula with round edges for lifting of the bark for the graft insertion
- ▶ Extremely sharp folding blade, folding brass spatula and plastic cover for comfortable grip

P11	8009076	6	180	7	70

▶ P20



- ▶ High-quality pruning knife for pruning of very delicate trees such as peach
- ▶ Also used for pruning young trees in nurseries and for thinning out fruit branches
- ▶ Special hook design of the folding blade and plastic cover for comfortable grip

P20	8009281	6	200	8	10

WARRANTY

1. All hand tools in the catalogue are offered with a lifetime warranty; a warranty against material and manufacturing defects for the normal lifetime of the tool in question. "Lifetime" is defined as the period of time a tool can be expected to last under normal use and conditions.
2. SNA Europe's range of power tools, pneumatic tools and measuring tools are excluded from point 1 and each has a separate warranty card supplied with the product covering the specific warranty conditions. Products are designed and manufactured for professional use. The warranty period is one year (12 months) for professional use and two years (24 months) for private use. The warranty period starts on the purchase date. This date may be verified with the invoice or any other document of legal value.
3. Defective product will be repaired, replaced or substituted. SNA Europe does not provide for the transportation cost for repaired, replaced or substituted product.
4. Any product that has been incorrectly used and/or maintained or that is worn from improper use or that has suffered unauthorized modifications is not covered by this warranty.
5. A warranty claim must be submitted within the warranty period. This requires the submission or shipment of the complete tool in question with verification of sale documentation, which must validate the purchase date and the product designation, to the retailer or distributor.
6. Replacement or repair of the product will be carried out as quickly as possible. At the reception of the replaced or repaired product the customer is asked to validate conformity. Replacements and repairs provided under the warranty do not lengthen or renew the warranty period for the tool.

