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# AN EXTENSIVE RANGE OF PRUNING TOOLS TO SATISFY THE DEMANDS OF PROFESSIONAL USERS AND DISCERNING GARDENERS

We listen to people who use our tools! Generally speaking these people are concerned with the management of plants. For these users, increased productivity and high quality results are the main features as they reduce fatigue and injuries, meanwhile providing durable performance.

What is more, in recent years, the new generation entering the business is having an increased interest in the design and aesthetics of the tools, whereas functional design used to be an important feature.

In response to customer feedback we have developed a well structured range that satisfies the demands of our end-users whilst maintaining the highest quality and performance of our tools.

The pruning assortment is available in two ranges:

### A PROFESSIONAL RANGE WITH SPAREPARTS



### A RANGE WITHOUT SPAREPARTS



We are recognized for our expertise in designing professional pruning tools. We are continuously looking for innovative solutions and technical improvements in order to make working life easier. To ensure that our end-users get the expected Bahco quality, our tools are protected by patents.



### **ICONOGRAPHY**

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

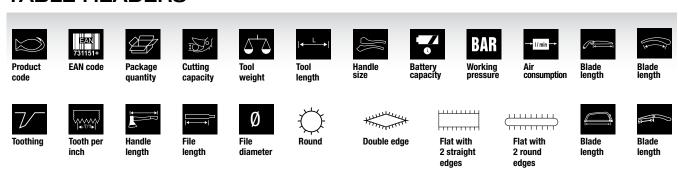
### **AREAS OF APPLICATION**



### TYPES OF VEGETATION



### **TABLE HEADERS**





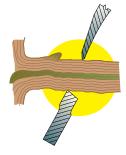
### **BLADE TECHNOLOGY**

### BYPASS: for cutting live and green wood

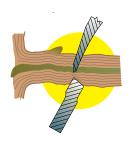
Bypass secateurs and loppers are used for cuts that affect the health of the plant.

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.

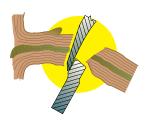




As with the blade, the counterblade also presses into the wood



The wastewood may be damaged



But the cut itself is clean and flat

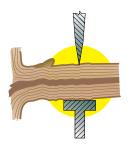
### ANVIL: for cutting mature and dry wood

Anvil secateurs and loppers are used where cleanliness of cut is not as important as removal.

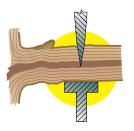
The blade is narrower and sharper than that of the bypass secateur.

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.

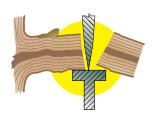




As the narrow blade is forced through the wood



The broad "anvil" spreads the load and supports the branch



Until the cut is complete

#### **BYPASS**



#### **ANVIL**





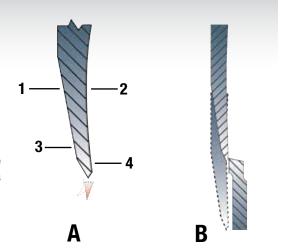
### THE CUTTING EDGE

#### ► 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

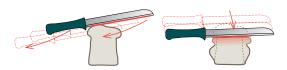
#### **How it works**

- ► 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.



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.



# 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

Vertical inclination
Compared to a traditional secateur, the PX and PXR downward inclination compensates the wrist bending and allows the hand to remain in a neutral position, which reduces the risk of Carpal Tunnel Syndrome.



Compared to a traditional secateur, the PX and PXR inclination to the left (for right-handed secateurs) compensates the wrist bending and allows the hand to remain in a neutral position, which improves pressure capacity to be applied on handles and avoids M.S.D. (Musculo Skeletal Disorders).







### **PX TYPE**

#### **Fixed handle ergonomic secateurs**

The most innovative secateur design in the world. Ergonomic design in a modular system that enables you to build a secateur that fits perfectly into your hand



### **PXR TYPE**

#### **Rotating handle ergonomic secateurs**

Same head and palm handle as the PX, but with a comfortable, elastomer coated rotating handle. PXR feels like part of your hand and cuts with optimal accuracy and ease



### **100% MODULARITY**

#### All spare parts available

#### **Right-handed handles**





Fixed handle Small size





PX-M Fixed handle Medium size





PX-L Fixed handle Large size





PXR-S Rotating handle Small size





PXR-M Rotating handle Medium size

Nº 1 Small cutting head (Cut. cap. 15 mm - 5/8")



Ø 15 mm (5/8")

#### **Cutting head sizes**

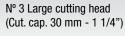
Ideal for clearing vines from the trellis system, for young grapevines and for leaf pruning. ERGO™ tip: highly recommended for users who are already suffering from aches and pains in their hand or arm.

Nº 2 Medium cutting head (Cut. cap. 20 mm - 3/4")



Ø 20 mm (3/4")

Ideal for most common training methods in vineyards of up to 10 years of age. ERGO™ tip: recommended for users who do not feel any pain yet, but who wish to avoid it.







Ø 30 mm (1 1/4")

Ideal for most common training methods in in mature vineyards with strong canes. ERGO™ tip: not recommended for users who already suffer from pains in the hand or arm. It is then advisable to use a lopper or a pruning saw when cutting large diameters.

#### **Left-handed handles**



PX-M2-L **Fixed handle** Medium size for left handle



PXR-M2-L **Rotating handle** Medium size for left handle

### **Cutting head size**

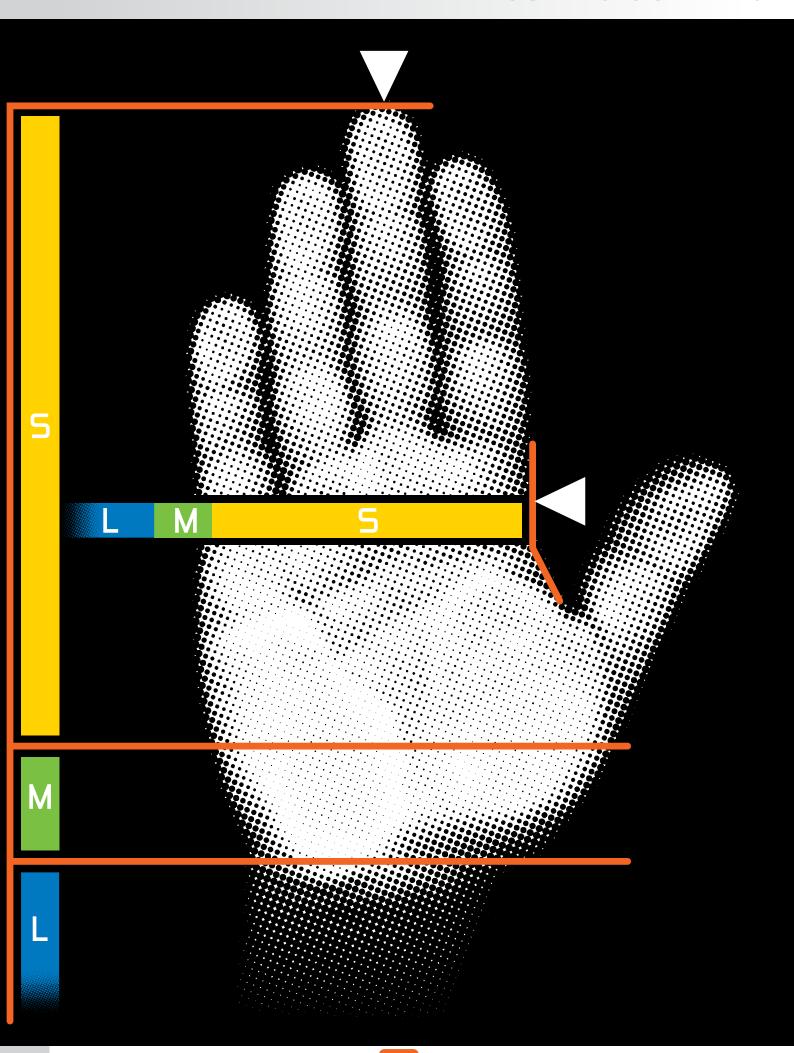
Nº2 Medium cutting head (Cut. cap. 20 mm - 3/4")





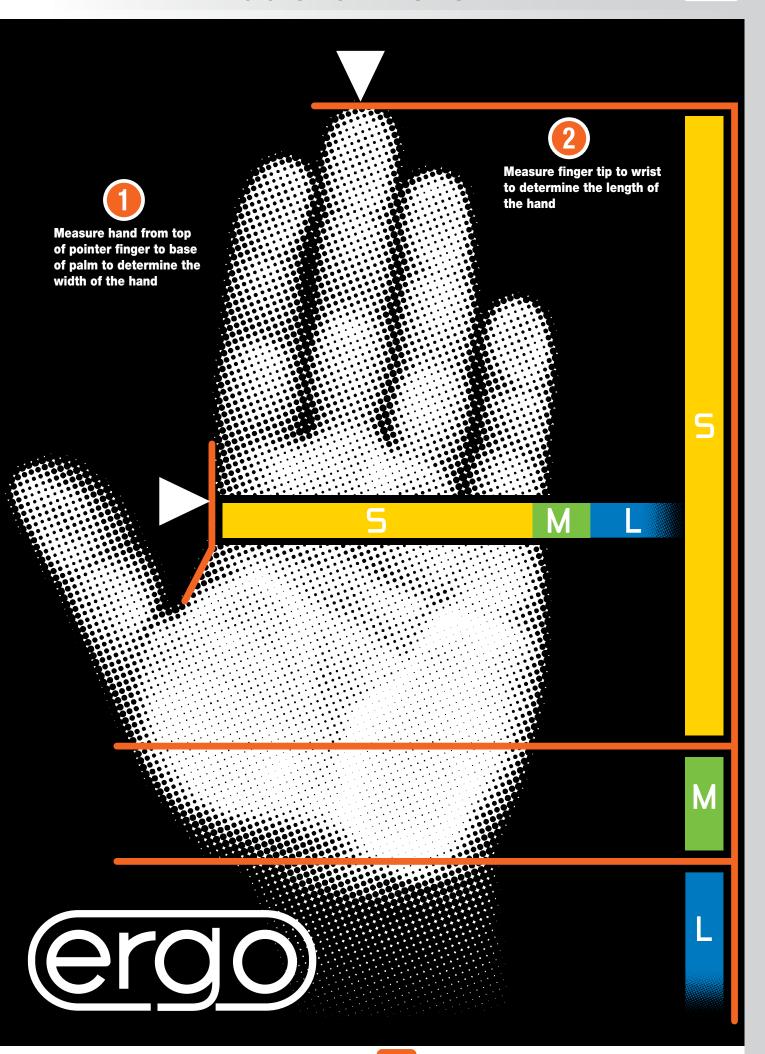


### **HAND-MEASURING GUIDE FOR**



### **PX AND PXR ERGO SECATEURS**





### ONE-HAND SECATEURS





### PX & PXR (ergo)®





- ▶ Size of the cutting head selected to the task to be performed
- ▶ Shape and size of handles selected to the size of the hand
- Fixed handle made of composite material with soft rubber on upper part
- ► All spare parts available



	781151P		M	mm.	inch	$\Delta^{\frac{1}{9}}\Delta$
PX-S1	8233785	2	S	15	1/2	308
PX-S2	8233792	2	S	20	3/4	296
PX-M1	8233815	2	M	15	1/2	322
PX-M2	8233822	2	M	20	3/4	319
PX-M2-L	8240714	2	M	20	3/4	319
PX-M3	8233839	2	M	30	1 1/4	347
PX-L2	8233853	2	L	20	3/4	331
PX-L3	8233860	2	L	30	1 1/4	470



#### **▶ P3**





- Larger cutting head for general pruning
- ▶ Very robust design with forged handles
- ► Spare parts available

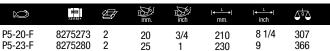
	18532 7511519		mm.	inch	l← L mm.	<del>←                                    </del>	$\Delta^{\frac{1}{9}}\Delta$
P3-20-F	8275259	2	20	3/4	200	8	375
P3-23-F	8275266		25	1	230	9	440







- General purpose secateur with narrow counter blade giving easy access to the inner branches of dense plants
- ▶ Very robust with a forged frame covered with a bi-material sleeve
- ► Spare parts available









- $\blacktriangleright$  Size of the cutting head selected to the task to be performed
- ▶ Shape and size of handles selected to the size of the hand
- ► Comfortable elastomer coated rotating handle
- ► All spare parts available

	1998 7311510		36	mm.	ID Inch	$\Delta^{g}\Delta$
PXR-S1	8240677	2	S	15	1/2	366
PXR-S2	8240684	2	S	20	3/4	377
PXR-M1	8233877	2	M	15	1/2	382
PXR-M2	8233884	2	M	20	3/4	394
PXR-M2-L	8240738	2	M	20	3/4	394
PXR-M3	8233891	2	M	30	1 1/4	407
PXR-L2	8233914	2	L	20	3/4	395

#### **▶ b**.





- 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 confortable shape
- ▶ Push-button locking device
- ► Spare parts available

	15AN 731151+	#	E mm.	inch	l←—→I mm.	l← L   inch	$\Delta^{\frac{1}{9}}\Delta$	
P1-20	8044572	5	20	3/4	200	8	225	
P1-23	8332501	5	30	1 1/4	230	9	255	

#### ► P110





- $\,\blacktriangleright\,$  Narrow cutting head for easy reach
- ▶ Stamped and pressed steel handles
- ► Spare parts available

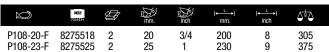
	1820 783151		<u>I</u> mm.	inch	<del>← L</del> →  mm.	<del>← L</del> inch	$\Delta^{\frac{1}{9}}\Delta$	
P110-20-F P110-23-F	8275532 8275549	2	20 25	3/4 1	200 230	8 9	315 390	

### ► 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





















- $\,\blacktriangleright\,$  Xylan® coated blade for rust protection, less friction and maintenance-free use
- Narrow cutting head for easy reach
- The horizontal and vertical angles of the cutting head follow the natural alignment of the hand and the forearm
- ▶ Ergonomic handles available in 3 sizes (S,M,L) and 1 rotating handle for comfort

	d	
4	Separate Sep	- Out

	1200 1200 1200 1200 1200 1200 1200 1200		<b>M</b>	mm.	inch	l <del>← L</del>   mm.	← L   inch	$\Delta^{g}\Delta$
PG-S1-F	8327743	2	S	15	5/8	175	6 7/8	160
PG-M2-F	8269715		M	20	3/4	200	7 7/8	182
PG-L2-F	8269746	2	L	20	3/4	210	8 1/4	185
PG-R-M2-F	8269722		M	20	3/4	205	8	264

### ► P138





- ▶ Anvil secateur for cutting mature and dry wood
- ▶ Stamped and double bevelled blade
- ► Spare parts available

P138-22-F 8301279



3/4

220

8 1/2

275

#### ▶ P121





20

- Narrow cutting head for easy reach
- ► Robust and traditional design with stamped and pressed steel handles

$\bowtie$	isan Venest	<b>#</b>	₩m.	inch	<del>← L</del> →  mm.	<del>← L</del>   inch	$\Delta^{\frac{1}{9}}\Delta$
P121-18-F	8275662	6	15	1/2	180	7	225
P121-20-F	8275631	6	20	3/4	200	8	255
P121-23-F	8275648	6	25	1	230	9	330

### ▶ P126





- ▶ Traditional secateur with robust design for general purpose gardening
- ► Handles made of stamped and pressed steel



### ► PG-01-F / PG-03-L





- ▶ PG-01-F for right-hand use and PG-03-L for left-hand use
- ► Choice of two openings widths: 12 and 20 mm
- > Xylan® coated blade for rust protection, less friction and maintenance-free use
- Fibreglass reinforced plastic handles and one-hand locking mechanism

	istar Taristo		₩m.	inch	l <del>← L</del> l mm.	<del>←                                    </del>	$\Delta^{\frac{1}{9}}\Delta$	
PG-01-F	8329334	6	20	3/4	200	7 7/8	220	
PG-03-L	8242855	6	20	3/4	200	7 7/8	220	





- Light secateur with handles made of composite material for picking roses, especially designed for cut flower production
- A special device on the blade holds on to the stem once cut
- ▶ P64-20-BULK12: display of 12 pcs
- ▶ Spring and buffers available as spare parts

	19432 1951 1951		mm.	inch	← L   mm.	<del>←</del> L inch	$\Delta^{\frac{1}{g}}\Delta$	
P64-20	8288174	1	12	1/2	210	7 7/8	210	
P64-20-BULK12	8288204	12	12	1/2	210	7 7/8	2520	



### ► PG-12





- Narrow cutting head for cutting flowers, herbs and shrubs
- Lightweight composite handles

	1933Z		I∭ mm.	inch	l← L   mm.	l <del>← L</del> inch	$\Delta^{g}\Delta$
PG-12-F	8328122	10	20	3/4	210	8 1/4	165







### **SPARE PARTS FOR ONE-HAND SECATEURS**

		731151+		>-
	R300P	8234034	1	PX & PXR n°1 Ø 15 mm - 1/2"
	R211P	8234027	1	PX & PXR n°2 Ø 20 mm - 3/4"
	R211P-BULK80	8252212	80	PX & PXR n°2 Ø 20 mm - 3/4"
	R500P	8234041	1	PX & PXR n°3 Ø 30 mm - 1 1/4"
	R600P	8240783	1	PXR-M2-L, PX-M2-L
	R112PG	8010058	1	P3-20-F
	R122PG	8010072	1	P3-23-F
	R114PG	8010065	1	P110-20-F
	R124PG	8010089	1	P110-23-F
	R223P	8237554	1	P138-22-F
	R223P-BULK80	8240646	80	P138-22-F
	R303P	8234157	1	PX & PXR n°3 Ø 30 mm - 1 1/4"
	R403P	8234164	1	PX & PXR n°1 Ø 15 mm - 1/2"
	R503P	8234171	1	PX & PXR n°2 Ø 20 mm - 3/4"
	R603P	8240790	1	PXR-M2-L, PX-M2-L
	R113PG	8044374	1	P110-20-F
	R123PG	8044381	1	P110-23-F
/ )	R221P	8229412	1	P138-22-F
	R221P-BULK50	8240653	50	P138-22-F
	R900P	8234188	1	PX & PXR
<b>5000</b>	R142P	8010126	1	P3-20-F, P3-23-F, P110-20-F, P110-23-F
	R141P	8288235	1	P64-20
	R905P* (soft)	8234232	1	PX & PXR, P64-20
	R905P-BULK50* (soft)	8252250	50	PX & PXR, P64-20
	R906P* (medium)	8234249	1	PX & PXR
	R906P-BULK50* (medium)	8252267	50	PX & PXR
	R907P* (hard)	8234256	1	PX & PXR
	R1068	8044398	1	P3-20-F, P3-23-F, P110-20-F, P110-23-F
	R463P*	8223908	1	P3-20-F, P3-23-F, P110-20-F, P110-23-F
	R438P*	8229429	1	P138-22-F
	R438P-BULK50*	8240660	50	P138-22-F

<sup>\*</sup> spring only (without buffer)



		F257 731151		>-
	R904P	8234225	1	PX & PXR
	R341P	8011529	1	P3-20-F, P3-23-F
	R474P	8011536	1	P110-20-F, P110-23-F
7777 4444	R902P	8234201	1	PX & PXR, P64-20
	R903P	8234218	1	PX & PXR, P64-20
	R1269P-BULK50	8240820	50	PX & PXR, P64-20
0 <sub>0</sub>	R901P	8234195	1	PX & PXR
	R801P	8234126	1	PX & PXR nº°1 Ø 15 mm - 1/2"
!!!!+ 🎾	R802P	8234133	1	PX & PXR n°°2 Ø 20 mm - 3/4"
	R803P	8234140	1	PX & PXR n°°3 Ø 30 mm - 1 1/4"
<u>∦ 1111</u> + 🎾	R804P	8240806	1	PX & PXR n°°2 Ø 20 mm - 3/4"
	RT821P	8242237	1	PXR-S1, PXR-S2
<b>∤ ‰</b> -•	RT822P	8234102	1	PXR-M1, PXR-M2, PXR-M3
*	RT823P	8234119	1	PXR-L2
* 🏂 💳+ <b>=</b>	RT824P	8240776	1	PXR-M2-L
	R811P	8234058	1	PX-S1, PX-S2
<b>*</b> -,	R812P	8234065	1	PX-M1, PX-M2, PX-M3
	R813P	8234072	1	PX-L2 , PX-L3
<b>!</b> ∤ <b>* :</b>	R815P	8240752	1	PX-M2-L



































### ► FEATURES AND AREAS OF APPLICATION OF SECATEURS

Secateur Type	Description	Cutting head	Application environment			Cutting capacity					
*** Highly Recommended  ** Recommended  * Acceptable				**	12 mm ½"	15 mm ½"	20 mm	25 mm	30 mm		

Profes	Professional Secateurs Ergo @rgo®														
PX- Ergo	PX-S (range) PX-M (range) PX-L (range)	Heavy-duty ergonomic secateur with fixed handle	~		***	***	***			>		<b>V</b>		<b>~</b>	
PXR- Ergo	PXR-S (range) PXR-M (range) PXR-L (range)	Heavy-duty ergonomic secateur with rotating handle	<b>~</b>		***	***	***			<b>&gt;</b>				<b>~</b>	

Profe	ssional Sec	cateurs										
P5	P5-20-F P5-23-F	Robust, heavy-duty secateur with bi-material sleeve	~		**	*	***			<b>~</b>		
P108	P108-20-F P108-23-F	Secateur with slim cutting head and soft grip on the upper part of the handle	~		**	**	*			~	<b>~</b>	
P3	P110-20-F P110-23-F	Robust, heavy-duty secateur with solid forged steel handles	~		**	*	***			<b>~</b>	<b>~</b>	
P110	P110-20-F P110-23-F	Traditional style secateur with slim cutting head and stamped steel handles	~		**	***	**			~	<b>~</b>	
P64	P64-20	Light secateur designed for cut flower production	~					***	~			~
P138	P138-22-F	Anvil secateur designed for cutting mature and dry wood		~	**	***	**			~		~

Garde	Garden Secateurs														
PG- Ergo	PG-S1-F PG-M2-F PG-L2-F PG-R-M2-F	Ergonomic secateurs for demanding gardeners	<b>~</b>		*	*	*	***				<b>V</b>			
PG	PG-01-F PG-03-L	Modern designed secateur for all year gardening	~		*	*	*	***							
PG-12	PG-12-F	Secateur designed for leisure gardening	<b>V</b>					***					~		
P121	P121-18-F P121-20-F P121-23-F	Traditional style secateur for all year gardening	~		**	**	*	***				<b>V</b>	<b>~</b>	<b>~</b>	
P126	P126-19-F P126-22-F	Traditional style secateur for leisure gardening	~		*	*	*	***				~	~		



### **► ASSORTMENT OF SECATEURS**

### Professional Secateurs - The only true ergonomic secateurs! @rgo®













PXR-S2 PXR-S1



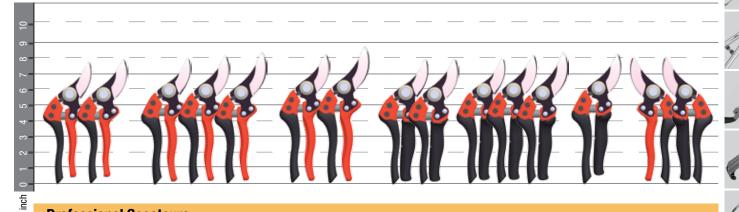




PXR-L2



PXR-M2-L PX-M2-L



### **Professional Secateurs**









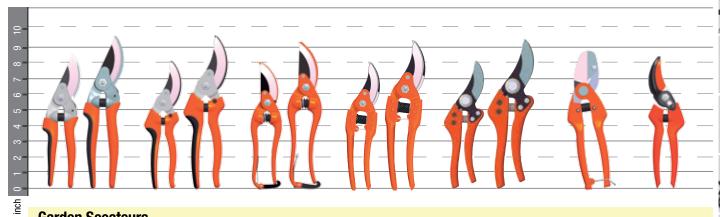




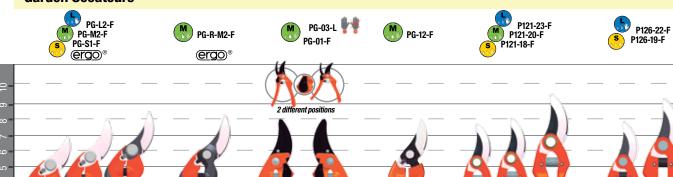
P138-22-F







### **Garden Secateurs**





### **HARVESTING SNIPS**

### FOUR DIFFERENT CUTTING HEADS

The Bahco handy and light weight harvesting snips suit the needs of different end-users in their respective applications. They have comfortable handles made of fibreglass reinforced material. They are supplied with a light weight plastic holster and are available in different box quantities.

### P123

Long and slim bypass cutting head

### P127

Short blades, rounded at the tips for safety, with limited opening

### P128

Long, slim and straight blades Wide opening

### P129

Same blades as P128 but bent at an 11° angle to give better access to hidden stems









Light weight plastic holster to avoid injuries and loss of the snip. Supplied with all snips models

Lanyard hole

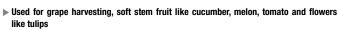












- ▶ Long and fine bypass cutting head
- ▶ Snips in bulk 15 (P123-19-BULK15) and bulk 30 (P123-19-BULK30) are supplied with light weight plastic holster
- ▶ Snips in bulk 56 (P123-19-BULK56) are supplied without light weight plastic holster

	19752 281151-	<b>4</b>	<u>I</u> mm.	ID inch	l← L   mm.	l← L inch	$\Delta^{\frac{1}{9}}\Delta$
P123-19-BULK15	8226251	15	10	3/8	190	7 1/2	87
P123-19-BULK30	8218218	30	10	3/8	190	7 1/2	87
P123-19-BULK56	8240202	56	10	3/8	190	7 1/2	87

- ▶ Used for grape harvesting but also cuts thin wires
- $\,\blacktriangleright\,$  Safety short and straight blades with rounded tips and a limited opening
- Notched counterblade to avoid slipping when cutting hard materials
- ► Supplied with light weight plastic holster, 30 pcs in a box

	(#300 (#31151)		mm.	ID inch	<del>← L</del> mm.	l <del>← L</del> inch	$\Delta^{g}\Delta$
P127-19-BULK30	8199333	30	6	1/4	170	6 1/2	70















- ► Recommended for thinning out the fruit to ensure a better growth (and bigger fruit size)
- ▶ Long, slim and straight blades
- Supplied with light weight plastic holster, 30 pcs in a box only valid for P128-19-BULK30; P128-19 supplied on card

	15557 7311510	<b>#</b>	₩m.	inch	l <del>← L</del> mm.	<del>←                                    </del>	$\Delta^{\frac{1}{9}}\Delta$
P128-19	8160814	6	6	1/4	190	7 1/2	85
P128-19-BULK30	8172329	30	6	1/4	190	7 1/2	85

- ▶ Used for cutting fresh fruit stems and cleaning out fruit bunches
- ▶ Long and slim blades slightly bent (11°) to facilitate access to hidden stems
- ▶ Supplied with light weight plastic holster, 30 pcs in a box

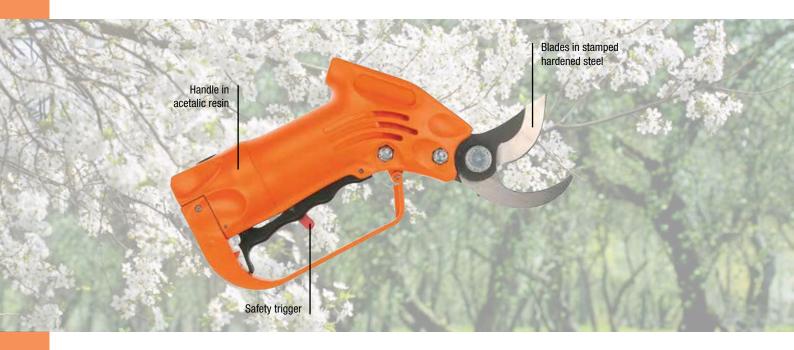
	15535 731151+		Emm.	inch	<del>← L</del>   mm.	l← L inch	$\Delta^{\frac{1}{9}}\Delta$	
P129-19-BULK30	8172336	30	6	1/4	190	7 1/2	85	

### **► SPARE PARTS FOR HARVESTING SNIPS**

		(3AX)		
~				P123-19
<b>► WWWWI</b>	D1071	R1071 8222918 1	P127-19	
<b>№</b> ₩₩₩₩	NIU/I		1	P128-19
mwww =				P129-19
				P123-19
<b>}</b> ₩₩₩₩	R1075-BULK50	8220495	50	P127-19
<b>₩₩₩₩</b>				P128-19
				P129-19



### **PNEUMATIC SECATEUR**



### **9210**



- ► Cutting head with excellent slicing cut
- ▶ Body made of acetalic resin (POM)
- ▶ Ergonomically designed handle in acetalic resin
- ▶ Blades in stamped hardened steel
- ► Centre-bolt locking system prevents loosening of the axis during continuous working
- ▶ Special ice-free valve protects the tool against condensation water freezing inside the tool in cold weather
- ► Single piston with a spring return
  - ▶ Connecting thread requires a 1/4" male coupler for the air hose
  - ▶ Never use above 10 bar air pressure



The pneumatic secateur with a single cutting blade in hardened steel have been designed for pruning orchards, vineyards, citrus, olive trees, green and ornamental trees, etc.

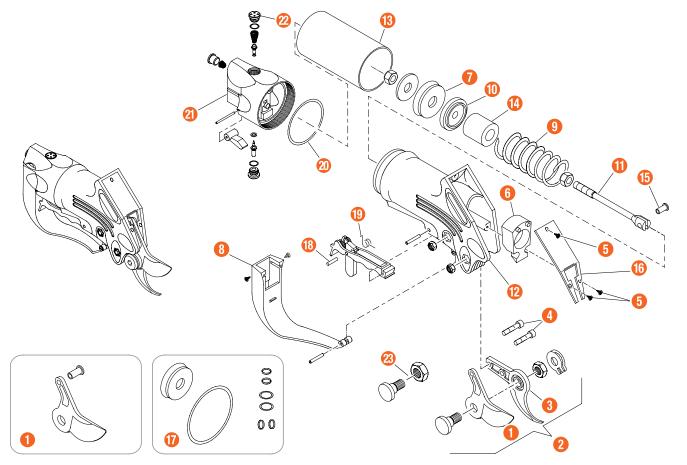
A pneumatic piston inside a cylinder, with an outer body made of thermoplastic resin, creates the power of the cutting blade. The piston stroke action is driven by compressed air by means of a trigger in the handle. The safety hand guard protects the user from activating the tool accidentally. Whenever the trigger is released, an automatic safety catch, located on the trigger, will lock it.











			(#215) 731151+	
0	9210-1	Cutting blade + rivet	8278212	1
2	9210-10	Cutting head kit	8278229	1
3	9210-11	Counter blade	8296094	1
4	9210-1060177	Screw TCCE M6x20 UNI 5931	8295424	1
5	9210-1060238	Self-tapping screw TSP 2.2x6.5	8295394	20
6	9210-1230219	Dust protection seal	8295387	10
7	9210-1230235	Piston seal	8295325	10
8	9210-1320281	Hand guard	8295431	10
9	9210-1640142	Return spring	8295356	10
10	9210-1690148	Piston	8295332	1
1	9210-1700118	Connecting rod	8295363	1
12	9210-1710266	Secateur body	8295417	1
13	9210-1720100	Brass cylinder	8295295	10
14	9210-1730107	Shock absorber	8295349	10
15	9210-1770106	Rivet ø 6	8295370	40
16	9210-1830137	Front cover	8295400	10
1	9210-20	0-ring kit	8278236	1
18	9210-1590103	Pin 2x14	0248063	1
19	9210-1640141	Safety catch spring	0248070	1
20	9210-1230193	0-ring 2162	0248087	10
<b>a</b>	9210-1710265	Valve body	0263509	6
22	9210-1330110	Cap + seal 0R2050	0255757	1
23	R318V	Bolt	8029500	1



### **LOPPERS**





### **DIFFERENT CUTTING HEADS FOR DIFFERENT APPLICATIONS**



### P114 style

Narrow cutting head for pruning in confined spaces

- ► Main areas of application:
  - ▶ Viticulture
  - ► Pomology with hedge-like cultivation (apple, pear)



### P116 style (P116, P19, P16)

- Strongly curved large blade with a deep hooked counterblade
- Designed for pruning below waist height and towards the ground
- ► Main areas of application:
  - ▶ Viticulture
  - Pomology; including soft fruits
  - ▶ Landscaping (P19)



#### P160 style

- Narrow blade combined with deep hooked, thin counter blade
- Well balanced loppers designed for pruning above shoulder height
- ► Main areas of application:
- ▶ Pomology
- ▶ Landscaping



#### P172 style

- Strong blade with antifriction coating (Xylan®), interchangeable anvil
- Lever action to facilitate the pruning of mature and dry wood
- ► Main areas of application:
  - ▶ Landscaping
  - Occasionally also used in Pomology



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.

### **SUPER LIGHT TOOLS**

Light weight, super-strong aluminium material provides strength and reduces fatigue and discomfort in use















- ▶ Heavy duty bypass lopper for cutting very thick and large branches on mature trees
- Long handles for long reach and overhead cutting
- ► Spareparts available

	731151#		mm.	inch	l← L   mm.	← inch	$\Delta^{\frac{1}{g}}\Delta$	
P19-80-F	8275365	1	50	2	800	31 1/2	1790	

#### ► P160





- ▶ Specially designed for orchards, also recommended for landscaping
- Slim, narrow blade combined with hooked counter blade to benefit from powerful and smooth cut
- Long handles for easy reach and overhead cutting
- ► Spareparts available

	ienn Vennene		mm.	ID Inch	l← L   mm.	<del>←                                    </del>	$\Delta^{\frac{1}{g}}\Delta$
P160-SL-60	8301170	2	45	1 3/4	600	23 1/2	960
P160-SL-75	8301187	1	45	1 3/4	750	30	1090
P160-SL-90	8301194	1	45	1 3/4	900	35	1160

### ► **P280**



- ► Heavy duty bypass lopper
- ▶ Xylan® anti-friction coating on the blade facilitates the penetration through the wood
- ▶ Lever action sliding system makes cutting easier; 50% power gain
- ► Spareparts available

	1850 731151		mm.	inch	l← L   mm.	l ← L l inch	$\Delta^{\frac{1}{g}}\Delta$	
P280-SL-80	8301330	2	55	1 1/2	800	31 1/2	1318	

### ► P172



- ► Heavy duty anvil lopper for cutting mature and dry wood
- > Xylan® anti-friction coating on the blade facilitates the penetration through the wood
- ▶ Lever action sliding system makes cutting easier; 50% power gain
- ▶ Spareparts available

	1200 7811510		mm.	inch	mm.	inch	$\Delta^{g}\Delta$	
P172-SL-85	8301200	1	40	1 1/2	850	33 1/2	1220	

#### ► P116







- ► Large cutting capacity
- Two edged radii blade with evolving bevel for better durability and easier cut in tough wood
- ► Spareparts available

	(#200 781151#		mm.	inch	l <del>← L</del>   mm.	<del>← L</del> inch	
P116-SL-40 P116-SL-50	8301101 8301118	2	30 30	1 1/4 1 1/4	400 500	15 3/4 19 3/4	687 735
P116-SL-60	8301125	2	30	1 1/4	600	23 1/2	879
P116-SL-70	8301132	2	30	1 1/4	700	27 1/2	964

#### P114







- ▶ Narrow cutting head for easy access and precise, quick cuts
- ▶ Designed for soft and green wood
- ► Spareparts available

	1800 781151		mm.	inch	l←L mm.	l← L   inch	
P114-SL-40	8301149	2	30	1 1/4	400	15 3/4	630
P114-SL-50	8301156	2	30	1 1/4	500	19 3/4	682
P114-SL-60	8301163	2	30	1 1/4	600	23 1/2	826

#### ▶ P16



- ▶ For pruning and training fruit trees and grape vines
- ▶ Strongly curved blade with slicing cut for quick and powerful cuts
- ▶ Robust steel handles with soft rubber buffers to prevent fatigue
- ► Spareparts available

	1870 T		mm.	inch	l <del>← L</del> mm.	← L   inch	$\Delta^{\frac{1}{g}}\Delta$	
P16-40	8013479	2	30	1 1/4	400	15 3/4	790	
P16-50-F	8301286	2	30	1 1/4	500	20	935	
P16-60-F	8276461	2	30	1 1/4	600	24	1025	

### ► P16-40W





- ▶ For pruning grape vines
- ▶ Special blade (R116VP) with a very thin honing angle
- ► For neat clean cuts
- ▶ Comfortable beech wood handles with soft buffers to prevent fatigue
- ► Spareparts available

	1#98 731151		Emm.	inch	l←L mm.	<del>←                                    </del>	$\Delta^{\frac{1}{9}}\Delta$
P16-40W	8043049	2	30	1 1/4	400	16	795











### ► PG-19





- ▶ Blade with Xylan® coating for easier cut and rust protection
- ► For pruning live and green wood
- ► Super light telescopic bypass lopper for pruning high branches: extendable from 70 to 90 cm
- Special locking system locking by only turning in one direction









- For pruning mature and dry wood
- ► Super light telescopic anvil lopper for pruning high branches: extendable from 70 to 90 cm
- Special locking system locking by only turning in one direction
- Comfortable bi-material grips









- ▶ For pruning shrubs and bushes in gardens
- ▶ Aluminium handles with comfortable bi-material grips, buffers integrated
- ► Available in two lengths

	1997 78111510		ID) mm.	ID6	l← L   mm.	← L   inch	$\Delta^{\frac{1}{9}}\Delta$
PG-18-60-F	8288853	2	40	1 1/2	640	25	785
PG-18-45-F	8299033		40	1 1/2	450	17 3/4	545





- ▶ For pruning shrubs and bushes in gardens
- Curved blade with slicing cut for easy cutting
- ► Robust steel handles with integrated buffers
- ► Available in two lengths











### **SPARE PARTS FOR LOPPERS**

		(⊒ΔN) 731151÷	<b>#</b>	A
	R16V	8254513	1	P116-SL-40, P116-SL-50, P116-SL-60, P116-SL-70
	R16V-BULK14	8288334	14	P116-SL-40, P116-SL-50, P116-SL-60, P116-SL-70
	R115V	8243210	1	P114-SL-40, P114-SL-50, P114-SL-60
	R115V-BULK14	8288341	14	P114-SL-40, P114-SL-50, P114-SL-60
	R160A	8201821	1	P160-SL-60, P160-SL-75, P160-SL-90
	R119V	8029487	1	P19-80-F
	R380A	8000066	1	P172-SL-85
	R181P	8296087	1	P280-SL-80
	R116V	8010164	1	P16-50-F, P16-60-F
	R116V-BULK36	8159924	36	P16-50-F, P16-60-F
	R216SL	8301408	1	P116-SL-40, P116-SL-50, P116-SL-60, P116-SL-70
	R214SL	8301392	1	P114-SL-40, P114-SL-50, P114-SL-60
	R260A	8201814	1	P160-SL-60, P160-SL-75, P160-SL-90
	R619V	8029494	1	P19-80-F
	R372H	8235406	18	P172-SL-85
	R716VCB	8255497	1	P16-50-F, P16-60-F
	R166V	8328085	1	P116-SL & P114-SL
	R144PV	8291075	1	P160-SL-60, P160-SL-75, P160-SL-90
•	R318V	8029500	1	P19-80-F
	R328V	8296056	1	P172-SL-85, P280-SL-80
	R143PVCB	8255633	1	P16-50-F, P16-60-F
	R143PV-BULK50	8240837	50	P16-50-F, P16-60-F *
	R415V	8243241	1	P116-SL & P114-SL
	R660V	8210281	1	P160-SL-60, P160-SL-75, P160-SL-90
	R519V	8029517	1	P19-80-F
	R772V	8301385	1	P172-SL-85
	R773V	8324414	1	P280-SL-80
	R615V	8010119	1	P16-50-F, P16-60-F
	R430V	8243265	1	P116-SL-40, P114-SL-40
	R440V	8254544	1	P116-SL-50, P116-SL-60, P116-SL-70, P114-SL-50, P114-SL-
	R515VS	8046514	1	P160-SL-60, P19-80-F, P16-50-F, P16-60-F
	R516V	8200824	1	P160-SL-75, P160-SL-90, P280-SL-80
<b>6</b> 6	R901P	8234195	1	P116-SL & P114-SL, P16-50-F, P16-60-F

 $<sup>\</sup>ensuremath{^{\star}}$  Only for loppers without centre bolt locking system



P160: BYPASS CUTTING HEAD



**P172: ANVIL CUTTING HEAD** 



































### ► FEATURES AND AREAS OF APPLICATION OF LOPPERS

	Lopper Type	Application environment	Cutting head	Cutting head type				Lever action			Cutt	ing capa	icity		Spare parts
П	*** Highly Recommended  ** Recommended  * Acceptable			114	116	160	P172		Evolving*	25-30 1"- 1 ¼"	30-35 1 ¼"- 1 ¾"	35-40 1 3/8"- 1 1/2"	40-45 1 ½"- 1 ¾"	45-50 1 ¾"- 2"	

<b>Professional I</b>	Professional Loppers																	
P19-80-F			***		~			~									~	~
<b>P160</b> (range)		***	**		~				~						~	<b>~</b>		~
P280-SL-80		*	*	***	~						<b>~</b>						~	<b>~</b>
P172-SL-85		***	**			~				~	<b>~</b>					<b>~</b>		~
<b>P116</b> (range)	***	***			~			~				~		<b>~</b>				~
<b>P114</b> (range)	***	*			~		~						<b>~</b>					~
P16 (range)	***	***	*	*	~			~						<b>V</b>				~

Garden Lopper	Garden Loppers															
PG-19-F				***	~									<b>&gt;</b>		
PG-17-F				***		<b>~</b>							<			
PG-18 (range)				***	~									<b>~</b>		
P140-F				***	~									<b>~</b>		
P130-F				***	~									<b>&gt;</b>		



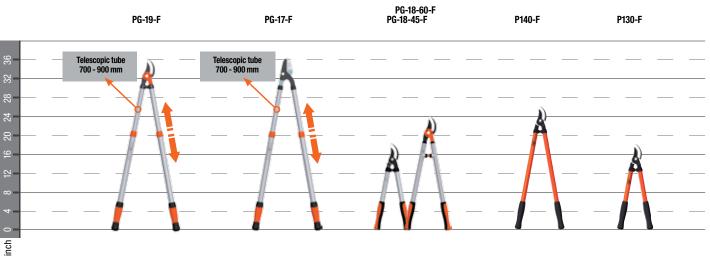


### **► ASSORTMENT OF LOPPERS**

### **Professional Loppers**

P116-SL-70 P116-SL-60 P116-SL-50 P116-SL-40 P160-SL-90 P160-SL-75 P160-SL-60 P114-SL-60 P114-SL-50 P114-SL-40 P16-60-F P16-50-F P16-40-F P19-80-F P172-SL-85 P16-40W P280-SL-80 inch

### **Garden Loppers**



































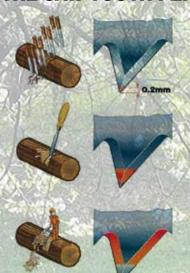




### PRUNING SAWS



### THE SAW TOOTH PERFORMS THREE FUNCTIONS



#### Cutting

Teeth tips are small knives which cut through the wood fibres. Only 0,2 mm (0.008 inch) of the tooth is used for this function, which is done by the sharp, ground tip

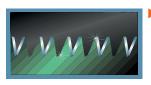
### Separating

Teeth edges are chisels that shave wood from between the cuts

### Clearing

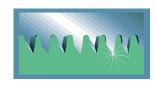
Gullets collect saw dust to deposit it outside the kerf. For this an open and smooth ground surface is needed in the gullet

### **TOOTH DESIGN**



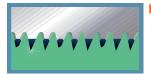
### JT-Tooth

50° cutting angle, triple grinding, long teeth with narrow bullets, non-set but taper ground blade. Quick and smooth cut and better performance



#### JS-Tooth

45° cutting angle, wide gullets for removal of wood chips, taper ground blade with non-set tooth design for very fast and aggressive cutting



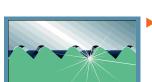
### XT-Tooth

Triangular shape, every third tooth is cut off and set to help with the removal of wood chips out of the kerf



#### Standard Tooth

Triangular shape, all teeth are set, with hard points or refileable



#### Hard-Point

Teeth being heat treated after grinding. Hardened teeth remain 6 to 8 times longer and are more flexible, but cannot be resharpened with a file

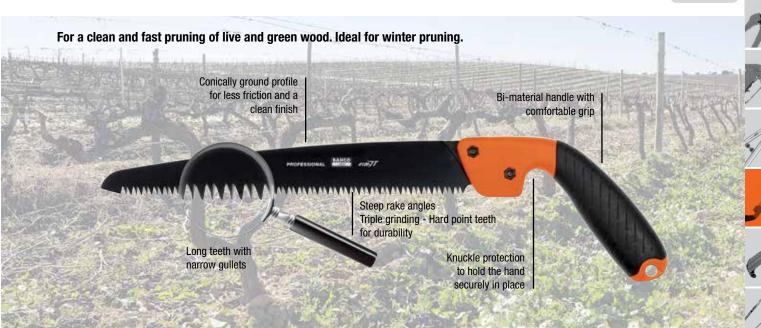


### Flexible and unbreakable blade





### **▶ JT BLADES: IMPROVED PERFORMANCE**



















- ▶ Sword saw designed for wine and fruit growing
- ▶ Unset toothing for a smooth cutting surface
- ► Two different blade lengths offered
- ► Replacement blade available
- ► Always supplied with a holster

	(SAN 731151*	<b>#</b>	√iiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii	<b>⊘</b> inch		$\Delta^{\frac{1}{9}}\Delta$
4124-JT-H	8267803	4	240	9 1/2	7	365
4128-JT-H	8267810	4	280	11	7	370

- Folding pruning saw designed for occasional use in viticulture and pomology
- ➤ Safety lock both in opened and closed position

  ➤ Replacement blade available

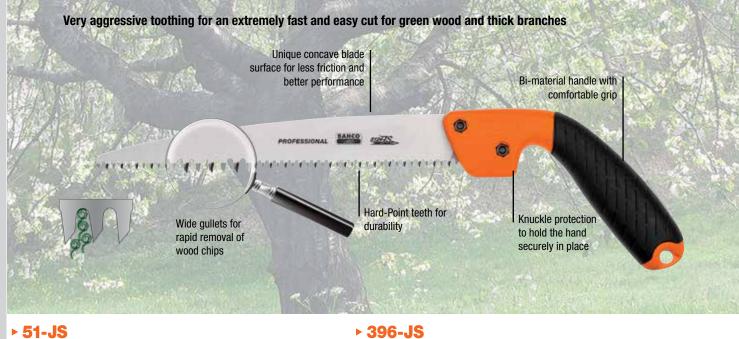
	781151#	<b>2</b>	T mm	inch	4	$\Delta^{g}\Delta$
396-JT	8168056	4	190	7 1/2	7	200











▶ Sword saw especially designed for landscaping

8219352

8219369

 $\blacktriangleright$  Extremely sharp and aggressive toothing for fast cut

240 280

9 1/2

11

- ► Two different blade lengths offered
- ► Replacement blade available
- ► Always supplied with a holster

5124-JS-H

5128-JS-H

**▶ 396-JS** 









- $\blacktriangleright \mbox{ Folding pruning saw designed for occasional cutting of thicker branches in pomology,}$ viticulture and landscaping ▶ Safety lock both in opened and closed position
- ► Replacement blade available

4	$\Delta^{9}\Delta$
5	365
	270

	INDEN PRINCIPAL		Mm mm	inch	-T/4+	
396-JS	8223250	4	190	7 1/2"	5	200











### **▶ 396-HP**









- Multipurpose folding pruning saw performing well in both mature dry wood and live green wood
- Safety lock both in opened and closed position
- ► Replacement blade available

	1860 781151+		k mm	inch		$\Delta^{\frac{1}{g}}\Delta$
396-HP	8152284	4	190	7 1/2	7	200

### ► 396-LAP





- ▶ General-purpose folding saw for cutting both green and dry wood, plastic, bone. etc.
- $\blacktriangleright$  Specially designed for wildlife enthusiasts, hunters and campers
- ▶ XT hardpoint toothing, 7 TPI. Blade specially coated for rust protection and low friction
- 2-component plastic handle for perfect grip, with leather strap. Safety lock, locked also when folded

	731151+		mm Mm	inch		$\Delta^{q}\Delta$
396-LAP	8172367	10	190	7 1/2	7	200

### **349**





- ▶ Ideal sword saw for domestic pruning ornamental and fruit trees
- ▶ Black anti-friction coating for rust protection, easy cut and maintenance-free use

	1250 N 7810510		Øi⊶i mm.	inch	1	$\Delta^{\frac{1}{9}}\Delta$
349	8018924	4	300	12	7	225

### ► PG-72

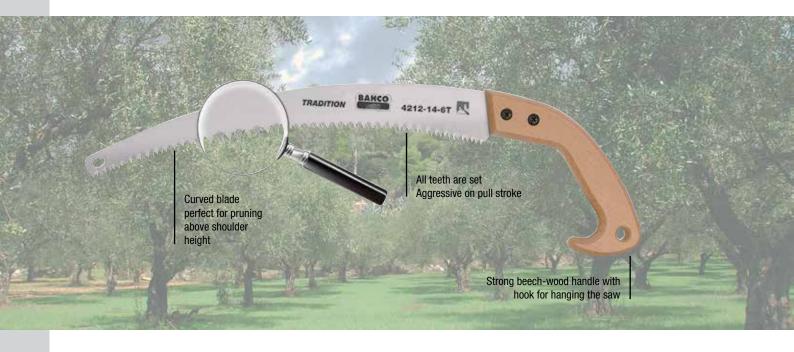




- $\blacktriangleright$  Folding saw for domestic occasional pruning when a secateur or a lopper is not sufficient
- ▶ Black anti-friction coating for rust protection, easy cut and maintenance-free use

	1800 781151		mm X	inch	(A)	$\Delta^{\frac{1}{g}}\Delta$
PG-72	8242534	4	190	7 1/2	7	196





### **4211 / 4212**

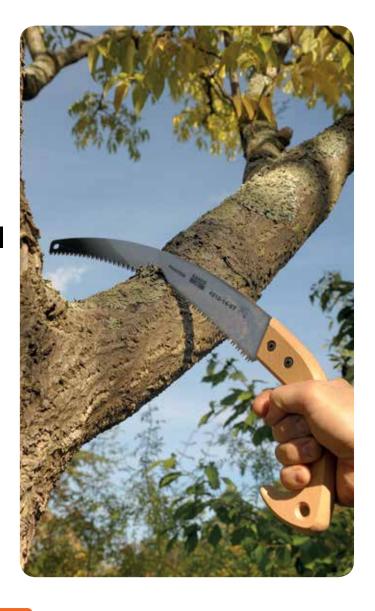


- ▶ Pruning saw for mature and dry wood
   ▶ Two different blade lengths offered
   ▶ 4211 Hard-Point teeth

- ► 4212 fileable

  Replacement blade available

	1200 781151	<b>4</b>	mm.	inch	42000	$\Delta^{g}\Delta$
4211-11-6T	8152000	4	280	11	6	225
4211-14-6T	8128883	4	360	14	6	280
4212-11-6T	8002060	4	280	11	6	225
4212-14-6T	8002077	4	360	14	6	280





### **POLE SAWS**



### **385 / 386**







- ▶ Pole pruning saw with steel tube handle
- To be used with extension pole (Ø 25 mm, 1")
- Fits poles AP-3M, AP-5M, FP-3M
- ▶ Blade with a hook at the end to prevent the saw from slipping out of the kerf
- ▶ 385 fileable
- ▶ 386 Hard-Point teeth

	(###2 7/611151#*		m.	inch	Section 1	$\Delta^{g}\Delta$
385-6T	8002053	4	360	14	6	410
386-6T	8152017	4	360	14	6	410



### **383 / 384**









- ▶ Pole pruning saw with steel tube handle
- ▶ To be used with extension pole (Ø 25 mm, 1")
- ▶ Fits poles AP-3M, AP-5M, FP-3M
- ▶ For softer wood like pine and spruce the more aggressive 384-5T (5TPI) is recommended
- ▶ 383 Hard-Point teeth
- ▶ 384 fileable

	18/3X 7511514			inch	ATTEN .	$\sqrt{g}$
383-6T	8128876	4	360	14	6	320
384-6T	8002039	4	360	14	6	320
384-5T	8159795	4	360	14	6	320

### **339 / 340**



- **▶** Combination pruning saw with plastic handle
- $\blacktriangleright$  Can be used as hand saw or with extension pole (0 25 mm, 1")
- ▶ Fits poles AP-3M, AP-5M, FP-3M
- ▶ 339 Hard-Point teeth
- ▶ 340 fileable
- ▶ Replacement blades available

	HEALE WATERS		(TE	inch	1277	$\triangle^{\frac{1}{g}} \triangle$
339-6T	8128371	4	360	14	6	250
340-6T	8002008	4	360	14	6	250

### SPARE BLADES FOR PRUNING SAWS

		FAN 731151+	#				J
	4724-JT	8265847	1	4124-JT-H	HARD-POINT	24 cm - 9,45"	FINE
	4728-JT	8265854	1	4128-JT-H	HARD-POINT	28 cm - 11"	FINE
	5724-JS	8216085	1	5124-JS-H	HARD-POINT	24 cm - 9,45"	COARSE
	5728-JS	8216092	1	5128-JS-H	HARD-POINT	28 cm - 11"	COARSE
	396-JT-BLADE	8168063	1	396-JT	HARD-POINT	19 cm - 7,5"	FINE
	396-JS-BLADE	8223267	1	396-JS	HARD-POINT	19 cm - 7,5"	FINE
annumumumum .	396-HP-BLADE	8156404	1	396-HP	HARD-POINT	19 cm - 7,5"	MEDIUM
	396-BLADE-1P	8330613	1	396-LAP	HARD-POINT	19 cm - 7,5"	MEDIUM
	4420-11	8200619	10	4211-11-6T	HARD-POINT	28 cm - 11"	COARSE
3	4400-11-BULK	8200633	10	4212-11-6T	FILEABLE	28 cm - 11"	COARSE
	4420-14	8200626	10	4211-14-6T, 339-6T	HARD-POINT	36 cm - 14"	COARSE
•	4400-14-BULK	8200640	10	4212-14-6T	FILEABLE	36 cm - 14"	COARSE
	4400-11	8200596	10	4212-11-6T	FILEABLE	28 cm - 11"	COARSE
	4420-11-BULK	8200657	10	4211-11-6T	HARD-POINT	28 cm - 11"	COARSE
	4400-14	8200602	10	4212-14-6T, 340-6T	FILEABLE	36 cm - 14"	COARSE
	4420-14-BULK	8200664	10	4211-14-6T	HARD-POINT	36 cm - 14"	COARSE



### ► FEATURES AND AREAS OF APPLICATION OF PRUNING SAWS

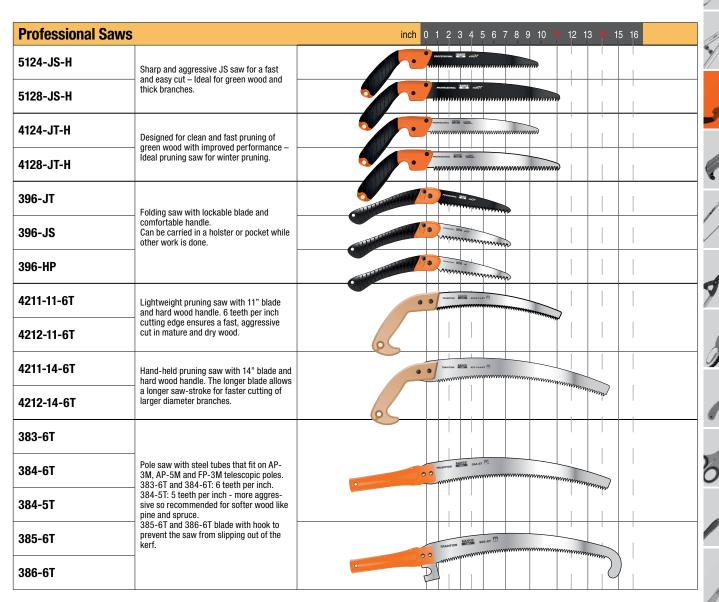
Saw Type	Application environment	User	Features			
*** Highly Recommended  ** Recommended  * Acceptable		Professional or Gardener	Handle material	Hand-held or Pole mountable	Hard-Point or Fileable	Replacement blade

<b>Professional Saws</b>									
4124-JT-H	***	***	*	*	Professional	Bi-material	Hand	Hard-Point	4724-JT
4128-JT-H	***	***	*	*	Professional	Bi-material	Hand	Hard-Point	4728-JT
5124-JS-H	**	***	***	*	Professional	Bi-material	Hand	Hard-Point	5724-JS
5128-JS-H	**	***	***	*	Professional	Bi-material	Hand	Hard-Point	5728-JS
396-JT	***	**	*	*	Professional	Bi-material	Hand	Hard-Point	396-JT-BLADE
396-JS	*	***	***	*	Professional	Bi-material	Hand	Hard-Point	396-JS-BLADE
396-HP	**	**	**	*	Professional	Bi-material	Hand	Hard-Point	396-HP-BLADE
4211-11-6T	*	***	***	*	Professional	Beech-wood	Hand	Hard-Point	4420-11
4212-11-6T	*	***	***	*	Professional	Beech-wood	Hand	Fileable	4400-11
4211-14-6T	*	***	***	*	Professional	Beech-wood	Hand	Hard-Point	4420-14
4212-14-6T	*	***	***	*	Professional	Beech-wood	Hand	Fileable	4400-14
383-6T		***	***	**	Professional	Steel	Pole	Hard-Point	No
384-6T		***	***	*	Professional	Steel	Pole	Fileable	No
384-5T		***	***	*	Professional	Steel	Pole	Fileable	No
385-6T		***	***	**	Professional	Steel	Pole	Fileable	No
386-6T		***	***	*	Professional	Steel	Pole	Hard-Point	No

Garden Saws										
339-6T	*	*	*	***	Gardener	Plastic	Hand/Pole	Hard-Point	4420-14	
340-6T	*	*	*	***	Gardener	Plastic	Hand/Pole	Fileable	4400-14	
349				***	Gardener	Bi-material	Hand	Hard-Point	No	
PG-72				***	Gardener	Bi-material	Hand	Hard-Point	No	



### **ASSORTMENT OF PRUNING SAWS**



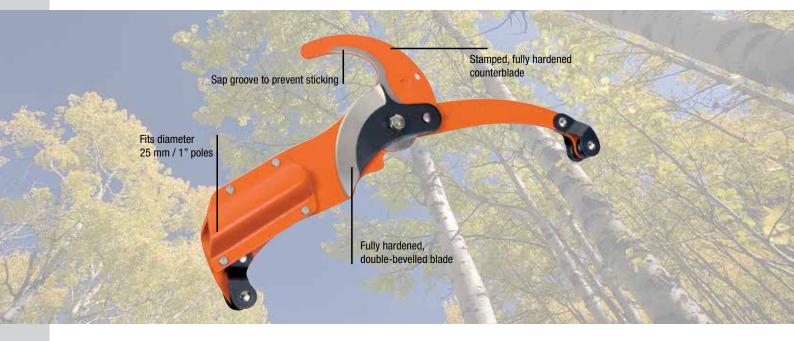
<b>Garden Saws</b>		
339-6T	Combination hand-held / pole saw for	TRADITION BASICS SALEST IN
340-6T	occasional work in the garden.	
349	Hand-held straight pruning saw (349) and folding saw (PG-72) for occasional work	, , , , , , , , , , , , , , , , , , ,
PG-72	in the garden.	

Outdoor activities		
396-LAP	General-purpose folding saw for cutting both green and dry wood. Specially designed for wildlife enthusiasts, hunters and campers.	



### **TOP PRUNERS**





The top pruner was invented by our production unit in France back in 1934. It was developed to cover the requirement of a tool to prune trees above normal working height without carrying a ladder around. It should be used together with an extension pole. With this combination, it is possible to cut branches at a height of up to 6 m (19.7").

### ► P34-37





- ▶ Triple pulley reduces the amount of effort required
- ▶ Adjustable clamp fits Ø 25 mm (1") to 35 mm (1 3/8") poles
- ▶ Supplied with a 5 m rope and handle
- ▶ Pruning saw blade can be mounted on this top pruner
- ► Spare parts available

	731151#		mm.	inch	$\Delta^{\frac{1}{g}}\Delta$
P34-37	8002787	2	40	1 1/2	1260

### ► P34-27A



- Steel clamp tighten with screws
- ▶ Fits Ø 25 mm (1") poles
- ► Supplied with a 5 m rope
- ▶ Spare parts available

	19/AN 78/1151+		mm.	inch	$\Delta^{g}\Delta$
P34-27A-F	8275464	2	30	1 1/4	610

### **SPARE PARTS FOR TOP PRUNERS**

		731151÷		abla
	R124PG	8010089	1	P34-27A-F
	R137E	8011574	1	P34-37
	R133PG	8328252	1	P34-27A-F
•	R142P	8010126	1	P34-27A-F
	R337E	8011598	1	P34-37
* \ a	R427AE	8176068	1	P34-27A-F
	R437E	8011611	1	P34-37

# **POLES**



The three light weight telescopic poles are made of aluminium or fibreglass. These poles are supplied with the bolt and wing nut to secure saw on pole. When extended to the desired length, they can be locked by simply twisting the upper pole against the lower.







- Extension poles to work at height
- ► Aluminium AP or fibreglass FP
- ► Top diameter 25 mm, 1"
- ► Supplied with a bolt and wing nut
- ▶ Fits top pruners (P34-37, P34-27A-F) and pole pruning saws (339-6T, 340-6T, 383-6T, 384-6T, 385-6T)

	### ##################################		<del>← L</del>   mm.	l <del>← L</del> l inch	$\Delta^{\frac{1}{9}}\Delta$
AP-3M	8152062	1	2000 - 3500	6′ 7" - 11′ 6"	1000
AP-5M	8152079	1	2000 - 5000	6′ 7" - 16′ 5"	1600
FP-3M	8168612	1	1800 - 3200	5′ 11" - 10′ 6"	1000



#### AP-234



- ▶ Top pruner with two functions, for pruning and clearing out
- ▶ Clearing out:

Simply hook the counterblade around the branch you wish to cut and pull the pole

#### ▶ Pruning:

Hook the counterblade around the branch and pull the rope down with the orange handle

- ▶ Fully hardened steel blade with slicing action for neat and efficient cut
- ▶ Long aluminum pole for difficult-to-reach branches

	1200 7811510		mm.	inch	l <del>← □</del> →  mm.	inch	$\Delta^{\frac{1}{9}}\Delta$
AP-234-F	8289027	2	30	1 1/4	2200	87	1520







**PRUNING** 



































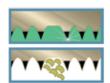
# **BOW SAWS**





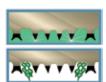
## TWO DIFFERENT TOOTHINGS ACCORDING TO THE APPLICATION

#### 51: Peg toothing for mature and dry wood



- Triangular set teeth, tips pointing downwards
- ▶ Bevel filed and high-frequency hardened with sharp edges on both sides
- ► Hard-Point
- Every third gullet extended for high chip removal
- Cut on both push and pull stroke
- > Specifically designed for fast and effective cutting of mature and dry wood

#### 23: Raker toothing for live and green wood



- ► Triangular set teeth, tips pointing downwards
- ▶ Bevel and filed and high-frequency hardened with sharp edges on both sides
- ► Hard-Point
- Every fifth tooth is raker and unset which functions like a chisel to remove the chips out of the green wood
- Cut on both push and pull stroke

#### SPARE PARTS FOR BOW SAWS

		FAN 731151+		mm	Q
	51-21	8003906	10	530	10-21-51, 332-21-51, 332-21-51-KP, SE-16-21, SE-16-21-23
	51-24	8003913	10	607	10-24-23, 10-24-51, SE-15-24
• •	51-30	8003920	10	759	10-30-23, 10-30-51, SE-15-30, SE-15-30-23
***************************************	51-32	8003937	10	810	SE-15-32
	51-36	8003944	10	912	SE-15-36, SE-15-36-23
	23-15	8274665	10	380	331-15-23
	23-21	8012274	10	530	10-21-51, 332-21-51, 332-21-51-KP, SE-16-21, SE-16-21-23
	23-24	8003852	10	607	10-24-23, 10-24-51, SE-15-24
• •	23-30	8003869	10	759	10-30-23, 10-30-51, SE-15-30, SE-15-30-23
WO SO WO SO WW	23-32	8003876	10	810	SE-15-32
	23-36	8003883	10	912	SE-15-36, SE-15-36-23
•	333-5	8005849	10	350	333











- Heavy-duty bow saw made from high-quality steel, protected from rust and corrosion by a coating of high impact enamel paint
- Designed for demanding applications and tough environments such as construction sites
- ▶ Innovative tensioning mechanism for high blade tension (up to 120 kg) and straight cutting
- ► ERGO<sup>TM</sup> handle with knuckle protector gives ergonomic comfort and safety

	18315 183151+		mm.	inch	<b>√</b>	$\Delta^{\frac{1}{g}}\Delta$
10-21-51	8229344	5	530	21	51	680
10-24-23	8229368	5	604	24	23	743
10-24-51	8229351	5	604	24	51	743
10-30-23	8229382	5	760	30	23	865
10-30-51	8229375	5	760	30	51	865



- ▶ Light weight, heavy-duty bow saw made from high-quality steel, protected from rust and corrosion by a coating of high-impact enamel paint
- ▶ Pointed nose for better access in tight areas, such as roofing and gardening
- ▶ Innovative tensioning mechanism for high blade tension (up to 120 kg) and straight cutting
- ► ERGO<sup>™</sup> handle with knuckle protector gives ergonomic comfort and safety

	(#702 (#702)		mm.	inch	7/	$\Delta^{\frac{1}{g}}\Delta$
332-21-51	8229337	5	530	21	51	663

#### **331**







- ▶ Small and handy bow saw for all-round use
- ▶ The pointed nose makes the saw ideal for use in tight spaces, such as pruning and roofing work

	1800 731151+		mm.	inch	$\mathcal{V}$	$\Delta^{\frac{1}{9}}\Delta$	ı
331-21-51-KP	8003814	5	530	21	51	615	_
331-15-23	8274658	5	378	15	23	375	





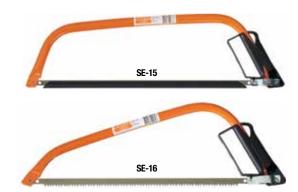


- ▶ General-purpose bow saw for gardening and home repairs
- ▶ The steel frame has special blade holders with an extra strong blade attachment mechanism
- $\blacktriangleright$  Reversible blade, hardened for durability, which can be rotated around its long axis

	1920 7836153C		mm.	inch	$\Delta^{\frac{1}{9}}\Delta$
333	8005832	5	350	14	615

### ► SE-15/16





- ▶ For all types of work, especially in building, gardening, farming and forestry applications
- ▶ Powder painted steel tube for excellent rust protection
- $\textcolor{red}{\blacktriangleright} \text{ Teeth points high-frequency, heat-induction hardened for long-lasting performance}$
- ▶ The knuckle protector gives comfort and safety
- ▶ SE-16-21 with pointed nose for better access in tight areas

	12502 2611515		Emm.	inch	7/	$\Delta^{\frac{1}{9}}\Delta$
SE-15-24	8029838	5	610	24	51	675
SE-15-30	8029821	5	760	30	51	800
SE-15-30-23	8029845	5	760	30	23	800
SE-15-32	8249168	5	810	32	51	840
SE-15-36	8141202	5	910	36	51	920
SE-15-36-23	8258276	5	910	36	23	920
SE-16-21	8029807	5	530	21	51	570
SE-16-21-23	8273934	5	530	21	23	570

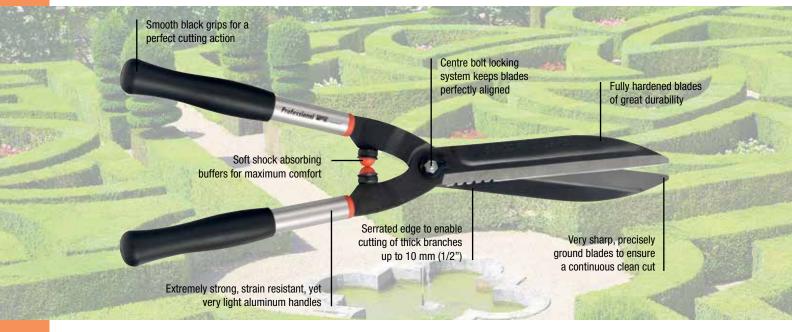




# **HEDGE SHEARS**







## THREE MAIN TYPES OF SHEAR BLADES



- ► Large blades with partly serrated edges for hedge trimming on plants with thicker twigs
- ► Main area of application:
  - ▶ Landscape



- Narrow blades with smooth edges for trimming leaves and soft shoots, very clean cut
- ► Main areas of application:
  - ► Landscape: topiary
  - ▶ Viticulture: leaf pruning



- ▶ Wavy blades with smooth edges for pruning hedges and shrubs with a fairly open structure and soft shoots. The waves trap groups of twigs and prevent them from sliding out of the blade.
- ► Main area of application:
  - ▶ Landscape

# **SUPER LIGHT TOOLS**

Light weight, super-strong aluminum material providing strength and reduces fatigue and discomfort in use











#### ► P51-SL



- For professional use in parks, vineyards and topiary art work
- ▶ Partly serrated edge for cutting up to 10 mm [3/8"] thick branches
- ► Spare parts available

	1925 7511512		l <del>&lt; □</del>   mm.	<del>←                                    </del>	$\Delta^{\frac{1}{9}}\Delta$
P51-SL	8301217	2	570	22 1/2	990

#### ► P54-SL





- ▶ Slim straight blade available in 20 cm and 25 cm
- ▶ Compact design and angled form makes the tool perfect to use on topiary plants and trellis systems
- ► Spare parts available

	731151°		l←L mm.	<del>← L</del> inch	$\Delta^{\frac{1}{g}}$
P54-SL-20	8301248	2	500	19 3/4	742
P54-SL-25	8301231	2	550	21 1/2	813

#### **▶ P51**





- ▶ For intensive professional use in parks, vineyards and topiary art work
- $\blacktriangleright$  Partly serrated edge for cutting up to 10mm [3/8"] thick branches
- ▶ Spare parts available

	(#511 7511151 <sup>22</sup>		l <del>← L</del>   mm.	<del>←                                    </del>	$\Delta^{\frac{1}{9}}\Delta$
P51-F	8275426	2	570	23	1085

#### ▶ P57-25



- ▶ Traditional hedge shears with comfortable wooden handles
- Straight blade with partly serrated edge for cutting up to 10mm [3/8"] thick branches
- ▶ Spare parts available

	12502 731151+		l←L mm.	← L   inch	$\Delta^{\frac{1}{g}}\Delta$	
P57-25-F	8301293	4	540	21 1/4	1020	_

#### **▶ P51H-SL**



- ▶ For professional use in parks, vineyards and topiary art work
- ▶ Partly serrated edge for cutting up to 10 mm [3/8"] thick branches
- ▶ 36 cm [14"] longer handles for extended cutting range
- ► Spare parts available

	ISOM Vallato		l <del>&lt; □</del>   mm.	<del>← L</del> →  inch	$\Delta_{\frac{1}{6}}$
P51H-SL	8301224	2	730	28 3/4	1076

#### ► **P54H-SL**





- ▶ Slim straight blade available in 20 cm and 25 cm
- ▶ Designed with 36 cm long handles for all types of leaf cutting and plant shaping where a long reach is required
- ► Spare parts available

	(#20X		l← L   mm.	<del>← L</del> inch	$\Delta^{\frac{1}{9}}\Delta$
P54H-SL-20	8301262	2	600	23 1/2	787
P54H-SL-25	8301255	2	650	25 1/2	871



#### ► P57-25-W



- ► Traditional hedge shears with comfortable wooden handles
- Wavy blade shears preventing groups of twigs sliding along the blade during the cut; ensures a uniform finish of to the hedge
- ► Spare parts available

	1250N 7231151+		l← L   mm.	<del>←</del> ⊢ inch	$\Delta^{\frac{1}{9}}\Delta$
P57-25-W-F	8301309	4	540	21 1/4	1020







- ▶ Super light telescopic hedge shear: extendable from 80 to 105 cm
   ▶ Special locking system locking by only turning in one direction
   ▶ Comfortable bi-material grips

	WEEK Verner		<del>← L</del> →  mm.	← L inch	$\Delta^{\frac{1}{9}}\Delta$
PG-57-F	8295943	2	800 - 1050	31 - 42	1345







- ▶ Super light hedge shear for trimming all kind of hedges
   ▶ Comfortable bi-material grips

	1=3A 751151=	25	l <del>← L</del> →l mm.	← L inch	$\Delta^{\frac{1}{9}}\Delta$	
PG-56-F	8288938	2	540	26	950	





#### ▶ P59-25



- ▶ Universal hedge shears with robust steel handles
- ► For regular hedge trimming in gardens

	(#010 (#86154#		l <del>← L</del>   mm.	<del>← L</del>   inch	
P59-25-F	8275655	5	590	26	1115



# **SPARE PARTS FOR HEDGE SHEARS**

	( <b>₽</b> ΔΝ 731151+	<b>#</b>	> <del>-</del>
R146VC	8046545	1	P51-SL, P51H-SL, P54-SL, P54H-SL, P51-F
R147V	8044909	1	P57-25-F, P57-25-W-F
R515VS	8046514	1	P51-SL, P51-F, P57-25-F, P57-25-W-F
R516V	8200824	1	P51H-SL
R440V	8254544	1	P54-SL
R444V	8243340	1	P54H-SL

# GRASS SHEARS

# ► GS-180





- ▶ Single handed grass shears with stainless steel blades carefully set for self-grinding
- $\blacktriangleright$  Rotating head (180°) for lawn edging swivels easily into different positions to facilitate the cut on slopes
- ▶ Soft touch and non-slip grip on upper handle for maximum comfort, lower handle loop for finger protection

	10/42 781151+		l← L   mm.	← L   inch	$\Delta^{\frac{1}{9}}\Delta$
GS-180-F	8275488	6	375	15	317

#### ► **GS-76**



- Hardened blades, angles carefully set for self-grinding during use
- ▶ Rotating easily into three positions enabling the user to gain access to difficult-to-

	10/232 7/23 (1/31)		<del>←                                    </del>	← L   inch	$\Delta^{\frac{1}{9}}\Delta$	
GS-76	8010782	6	355	14	435	



P74







- Doubled bevelled blade and flat-edged counterblade, fully hardened with black Xylan®
- ► Horizontal oriented blades, also known as duck's foot
- Straight cutting edge, 20 cm length, plastic buffers to reduce jarring
- ▶ 90 cm long handles of round steel tubes, fitted with black plastic sleeve

	7811510		<del>←                                    </del>	inch	$\Delta^{0}\Delta$	
P74	8124076	1	1100	44	2000	

- Lawn shear for trimming borders in areas where lawn mowers and trimmers cannot pass
- ▶ Doubled bevelled blade and flat-edged counterblade, fully hardened with black Xylan®
- ▶ Straight cutting edge, 20 cm length, plastic buffers to reduce jarring
- ▶ 90 cm long handles of round steel tubes, fitted with black plastic sleeve

	FIAN 731151*		l←	← L inch	$\Delta^{\frac{1}{9}}\Delta$	
P75	8124083	1	1000	39	1900	

# SPARE PARTS FOR GRASS SHEARS

	731151+		
R146VC	8046545	1	P74, P75
GS-76-SPRING-L	8332952	1	GS-76



















# ► FEATURES AND AREAS OF APPLICATION OF HEDGE SHEARS

	Hedge Shear Type	Арр	lication	environr	nent		Cutting head type				Dimensions		
*	** Highly Recommended * Recommended	<b>Mass</b>								Blade Length	Handle Length		
*	Acceptable	*		Se.	Z	Straight Blades	Narrow Blades	Wavy Blades	Serrated edge	cm / inch	cm / inch		

<b>Professional</b>	Hedge S	Shears								
P51-SL	**	***	*	~			~	26 cm / 10 <sup>1/2</sup> "	30 cm / 12"	yes
P51H-SL	**	***	*	~			~	26 cm / 10 <sup>1/2</sup> "	45 cm / 18"	yes
P51-F	**	***		~			~	26 cm / 10 <sup>1/2</sup> "	30 cm / 12"	yes
P54-SL-20	**	***			~			20 cm / 8"	26 cm / 10 <sup>1/2"</sup>	yes
P54-SL-25	**	***			~			25 cm / 10"	26 cm / 10 1/2"	yes
P54H-SL-20	**	***			~			20 cm / 8"	36 cm / 14 <sup>1/5"</sup>	yes
P54H-SL-25	**	***			~			25 cm / 10"	36 cm / 14 <sup>1/5"</sup>	yes
P57-25-F		***	**	~			~	25 cm / 10"	28 cm / 11"	yes
P57-25-W-F		***	**			~		25 cm / 10"	28 cm / 11"	yes

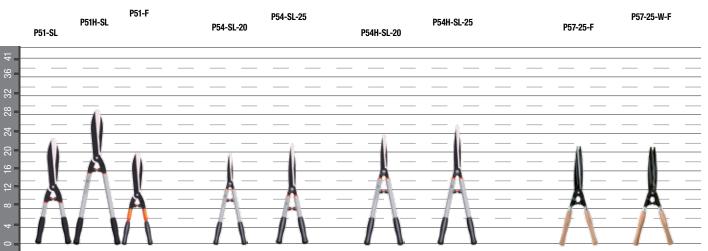
Garden Hedge Shears											
PG-56-F				***	~				22 cm / 8 <sup>1/2</sup> "	33 cm / 13"	
PG-57-F				***	~				22 cm / 8 <sup>1/2</sup> "	80-105 cm / 23-32"	
P59-25-F				***	~				25 cm / 10"	33 cm / 13"	





## ASSORTMENT OF HEDGE SHEARS

## **Professional Hedge Shears**



The P51 range is the prize winning, top-of-the-range professional quality shear. Accuracy, sharpness and balance make them ideal for hedge trimming on plants with thicker wigs. The P51 makes light work of cutting back the tough stems of overgrown bushes.

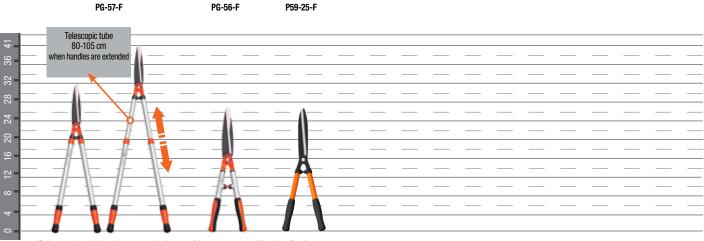
The compact design with angled forms of the P54-SL makes the tool perfect to use on topiary plants and trellis systems.

The P54H-SL has been designed with 36 cm long handles for all types of leaf cutting and plant shaping where a long reach is required.

The P57 range feature tradition wooden handles.

The blades are uncoated to allow for hand-sharpening.

#### **Garden Hedge Shears**



Bahco garden hedge shears are designed with the same consideration for the user as the professional tools. Intended specifically for the discerning private consumer who expects to prune a few trees once or maybe twice a year.

The garden range offers some distinct features:

- Comfortable 2-component handles Extendable handles

inch

- No spare parts available





# KNIVES

#### **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

	index Parties D		l← L   mm.	<del>← L</del> inch	$\sqrt{\frac{a}{a}}$
P11	8009076	6	180	7	70

#### **> 2444**





- ▶ Robust knife with a solid stainless steel blade for multipurpose use
- ▶ Bi-material handle for comfort in use
- ▶ Supplied with a practical sheath for belt carrying
- ▶ 2444: counter display of 15 pcs
- ▶ SB-2444: on card

	1900 781151*		l <del>← L</del> mm.	← L   inch	$\nabla_{\stackrel{\circ}{+}}\nabla$
2444	8286750	15	220	8.66	100
SB-2444	*0189250	1	200	8.66	100
EAN code (*) 731	415+				

#### ► K-AP-1







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

	7311510		l← L→I mm.	<del>←                                    </del>	$\Delta^{\frac{1}{9}}\Delta$
K-AP-1	8030117	10	180	7	90

#### ► 2444-LAP





- ▶ Robust knife with a solid stainless steel blade for multipurpose use
- $\blacktriangleright$  2-component handle for comfort in use and a safe grip
- ▶ Overall product length 220 mm, blade length 102 mm
- ► Supplied with a practical sheath for belt carrying

	781151+		$\Delta_{\stackrel{a}{ au}} \Delta$
2444-LAP	0237463	10	130

#### **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

	1853 751151		l <del>← L</del> mm.	<del>←                                    </del>	$\Delta^{\frac{1}{9}}\Delta$
P20	8009281	6	200	8	10

#### **1446**





- ▶ Robust knife with a solid stainless steel blade for multipurpose use
- ▶ Single component handle for comfort in use and a safe grip
- ▶ Overall product length 220 mm, blade length 100 mm
- ► Supplied with a practical sheath for belt carrying
- Available in a 15 pce counter display

	FESTIVE CO		l← L mm.	<del>← L</del>   inch	$\nabla_{\uparrow}^{a}\nabla$
1446	*0128631	15	220	8.66	110
EAN code (*)	731415+				

#### ▶ 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

	TEAM 731151#		l <del>← L</del> l mm.	<del>←                                    </del>	$\Delta_{\overline{a}}$
K-GP-1	8030131	10	170	6 3/4	90

#### LAP-KNIFE





- ▶ Saw specially designed for wildlife enthusiasts, hunters, etc.
- XT hardpoint toothing for cutting both green and dry wood, plastic and bone, etc.
- $\blacktriangleright$  Blade specially coated for rust protection and low friction
- ightharpoonup 2-component plastic handle for perfect grip, with leather strap
- ▶ Safety lock, locked also when folded
- lacktriangle Robust knife with a solid stainless steel blade, multipurpose use
- ▶ Overall product length 220 mm, blade length 102 mm
- ► Supplied with a practical sheath for belt carrying



# **SCISSORS**









- ▶ Ideal for pruning delicate plants, for clearing out faded flowers and dry leaves, for pruning and harvesting herbs and for creating floral decoration
- ▶ Floral scissor with stainless steel blades and soft touch finger loops
- ▶ Short pointed blades with micro serration are designed for cutting soft stems of small

	(# <u>0.02</u> (#3.6151)*		l <del>←                                    </del>	l← L→  inch	$\Delta^{\frac{1}{9}}\Delta$
FS-5	8266455	10	125	5	24









- ▶ Floral scissor with stainless steel blades and soft touch finger loops
- $\blacktriangleright$  Compact strong blades with serration are designed for all kind of flower stems and twigs as well as ribbons, cardboard and even soft wire
- Also used for pruning small shrubs on the balcony and indoor plants

	1251 75511517		l← L   mm.	← L→  inch	$\sqrt[3]{a}$
FS-7.5	8266479	10	200	8	108









- ▶ Floral scissor with stainless steel blades and soft touch finger loops
- ▶ Long straight blades with micro serration are designed for cutting soft stems of small diameter, ribbons, any kind of paper, thin cardboard and tissues used in floral decoration
- ▶ Also used for pruning indoor plants, clearing out faded flowers and dry leaves in difficult to reach places

	INCAZ Prajasio		l <del>← L</del>   mm.	<del>← L</del> →  inch	$\Delta^{g}\Delta$
FS-8	8266462	10	165	6 1/2	47







































# BORDER AND SMALL GARDEN TOOLS

Precise, useful and robust, the border tools are long reach tools designed for better accessibility to wider borders and under shrubs

Head made of fully hardened steel

Comfortable bi-material handle with round shape

Head made of fully hardened steel with epoxy powder coating for rust protection

Label can be cut off so that remaining loop can serve as hanger









- ▶ Border hoe for breaking the ground and loosening clogged soil
- ► To prepare the soil before sowing

	1=000 731151+		l← L→I mm.	← L   inch	$\overline{\nabla_{\dot{a}}^{\dot{a}}}$
P272	8299354	5	430	16.9	250

#### P274





P2/6

► P278





- ▶ Border cultivator for loosening and aerating the soil
- ► For controlling weeds through uprooting their seedlings

	inde Francis		<del>←                                    </del>	<del>←                                    </del>	$\Delta_{\overline{q}}$
P274	8299347	5	455	17.9	210

 $\blacktriangleright$  Border rake for cleaning and levelling the soil around the plants









- ► Two-point border hoe
- ► Versatile tool for different jobs
- $\blacktriangleright$  Hoe blade for loosening the ground and for breaking clogged soil or cutting weeds
- ► Two-prong fork for loosening the soil to aerate

	150N 781151*		l←L mm.	<del>←                                    </del>	$\Delta^{\circ}\Delta$
P277	8299378	5	435	17.1	260

- ▶ One-point border hoe for preparing the soil and sowing or transplanting
- ▶ Broad hoe blade for breaking clogged soil and for weeding
- ▶ Pointed hoe blade for making rows and furrows for sowing and planting

	(377)		l← L   mm.	← L   inch	$\Delta_{\frac{a}{1}}$
P278	8299385	5	435	17.1	260



#### Small garden tools are designed for tending plants in rock gardens, on balconies, in containers and raised beds





▶ Daisy grubber: special weeding tool to cut and lift deep rooting weeds like dandelions, thistles and certain umbelliferae

	781151+		l← L   mm.	← L inch	$\Delta^{\frac{1}{9}}\Delta$
P269	8299323	10	315	12.4	140

#### ► P270





- $\blacktriangleright$  Weeding fork for loosening, cleaning and levelling the ground before planting
- ▶ For harvesting root vegetables like radishes or carrots on small plots

	1220 7811510		l←L mm.	← L inch	$\Delta^{\frac{1}{g}}\Delta$
P270	8299330	10	300	11.8	199

#### ► P262





- ▶ Hoe for breaking the ground and loosening clogged soil surfaces
- ▶ Helps to prepare the soil before sowing

	#41 7611510		l← L   mm.	← L   inch	$\triangle^{\frac{1}{9}}\triangle$
P262	8299286	10	315	12.4	224

#### **▶ P263**





Trowel for all kinds of work like preparation of beds and borders, potting, planting and distributing compost, mulch or fertilizer

	INDE		l←L mm.	← L   inch	$\nabla_{+}^{a}\nabla$
P263	8299262	10	370	14.5	306

#### ► **P264**





- ▶ Cultivator for loosening the soil to let air, heat and water in, thus supporting the development of the root system
- ▶ Helps to control weeds by uprooting seedlings

	(#M) (#1431*		l← L mm.	← L   inch	$\Delta^{\frac{1}{9}}\Delta$
P264	8299279	10	315	12.4	210





- ▶ Versatile tool for different jobs
- ▶ Hoe blade for loosening the ground and for breaking clogged soil or cutting weeds
- ▶ Two-prong fork for loosening the soil to aerate

	933 761161+		l← L mm.	← L   inch	$\Delta^{\frac{1}{9}}\Delta$
P267	8299309	10	315	12.4	231

#### P266





▶ Rake for cleaning and levelling the soil around the plants

	1908 781151+		← L   mm.	<del>← L</del> inch	$\nabla_{\stackrel{a}{+}}\nabla$
P266	8299293	10	320	12.6	199







- ▶ One-point hoe for preparing the soil and sowing or transplanting
- ▶ Broad hoe blade for breaking clogged soil and for weeding
- ▶ Pointed hoe blade for making rows and furrows for sowing and planting

	190N 781151*		l←L→I mm.	← L   inch	$\nabla_{\overline{q}}$
P268	8299316	10	325	12.8	235





























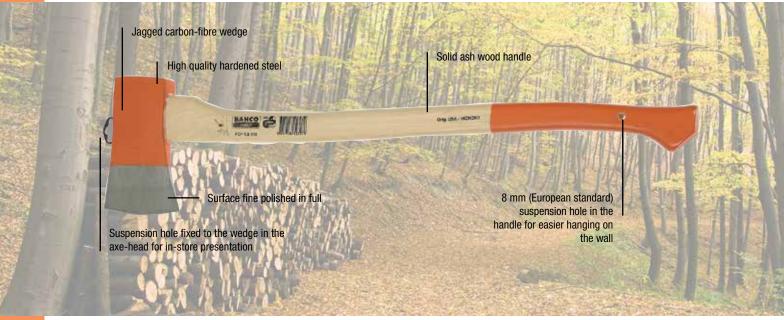








# **AXES, MAULS AND WEDGES**



All axes are supplied with a rubber edge protector to ensure the finish of the blade is maintained All axes are produced according to DIN standards and we use certified wood from sustainably managed forests

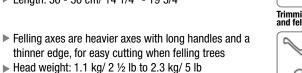


## **ICONOGRAPHY**



- Camping
- Camping axes are light weight axes with a short handle which makes them easy to carry around. Also suitable for indoor use e.g. as a kitchen axe
- ► Head weight: 0.6 kg /1 1/4 lb to 1 kg/ 2 1/4 lb
- ► Length: 36 50 cm/ 14 1/4" 19 3/4"

▶ Length: 70 - 90 cm/ 27 1/2" - 35 1/2"







Splitting with wedges

- ► Mauls are heavy sledge hammers that can be used to drive poles into the ground or splitting wedges into logs
- ► Head weight: 3 kg/ 6 ½ lb to 4 kg/ 8 3/4 lb
- ▶ Length: 90 cm/ 35 1/2"



- Hatchets are longer axes for trimming trees and other general purpose work
- ► Head weight: 1 kg/ 2 1/4 lb
- ► Length: 60 70 cm/ 23 ½" 27 ½"

Trimming branches and felling



- Splitting axes have a thick head especially made for splitting wood. The shape of the head helps to penetrate into the wood with little effort. Some are made with a longer head back to use with a splitting wedge
- ► Head weight: 2 kg/ 4 ½ lb to 3.5 kg/ 7 3/4 lb
- ► Length: 80 90 cm/ 31 ½" 35 ½"





#### CAMPING AXES

#### **HUS**





- ► For general-purpose applications such as camping and gardening work and occasional branch trimming
- ▶ High-quality tool steel according to DIN 7287, class B
- Curved ash wood handle, according to DIN 5132, form B, secured by a jagged carbon fibre wedge equipped with a euro suspension hole in addition to an 8 mm (European standard) suspension hole in the handle

	1500 786656		₽mm.	Linch	$\Delta^{\frac{1}{9}}\Delta$
HUS-0.6-380	8123659	4	380	15	850
HUS-0.8-500	8123666	4	500	20	1150

#### **HGPS**





- lacktriangle All-round general-purpose axe with a thin wide blade for a clean cut
- Curved ash wood handle, secured by a jagged carbon-fibre wedge equipped with a euro hole in addition to an 8 mm (European standard) suspension hole in the handle

	1200 7811512		₩mm.	inch	$\Delta^{\frac{1}{9}}\Delta$
HGPS-0.6-360	8123680	4	360	14 1/4	800
HGPS-0.8-380	8123697	4	380	15	1000
HGPS-1.0-400	8123703	4	400	15 3/4	1250

# HFGPS



- ▶ Short general purpose axe for lighter applications
- ▶ Backside of the axe head can also be used as hammer
- Straight three-component handle with non-slip grip (polypropylene handle with elastomer grip and fibreglass core) for comfort, security and longevity

	(3/AX		mm.	inch	$ abla^{\frac{1}{9}} abla $
HFGPS-0,7-400FG	8275877	4	380	15	1070



#### HATCHETS

#### ► HUS



- ▶ For branch trimming and general-purpose gardening work
- ▶ High-quality tool steel according to DIN 7287, class B
- Curved ash wood handle, according to DIN 5132, form B, secured by a jagged carbon fibre wedge equipped with a euro suspension hole in addition to an 8 mm (European standard) suspension hole in the handle

	1350N 731151+		₩mm.	inch	$\Delta^{\frac{1}{g}}\Delta$
HUS-1.0-650	8123673	4	650	26	1400

#### FGS



- ▶ For branch trimming and felling small trees
- ▶ High-quality tool steel according to DIN 17200, Carbon 45
- Curved ash-wood handle, secured by a jagged carbon fibre wedge equipped with a euro suspension hole in addition to an 8 mm (European standard) suspension hole in the handle
- ▶ Slightly wider at the eye. The thin, wide blade ensures a clean and easy cut into the branch

	1207 7311510		Ĭmm.	inch	$\Delta^{g}\Delta$
FGS-1.0-600	8123796	4	600	24	1500
FGS-1.25-700	8123802	4	700	28	1800





































#### ► FELLING AXES



- ▶ For felling trees and branch trimming
   ▶ High-quality tool steel according to DIN 17200, Carbon 45
- Curved ash-wood handle, secured by a jagged carbon fibre wedge equipped with a euro suspension hole in addition to an 8 mm (European standard) suspension hole in the
- ▶ Slightly wider at the eye. The thin, wide blade ensures a clean and easy cut into the branch

	1900 76511515		<b>≧</b> mm.	inch	$\Delta^{\frac{1}{9}}\Delta$
FGS-1.6-810	8123819	4	800	32	2200
FGS-1.8-810	8123826	4	800	32	2400



#### **FCP**



- ▶ For felling trees and cutting off branches from felled trees
- ▶ The thin blade makes it swing smoothly through the branch
- ▶ High-quality tool steel according to DIN 7287, class B
- ► Fine-polished surface
- First-grade hickory wood handle, pressed into the eye and fixed with a jagged carbon fibre wedge and an additional metal ring-wedge
- ▶ The wedge is equipped with a euro suspension hole and the handle has an 8 mm (European standard) suspension hole

	180M 785H518		Emm.	inch	$\Delta^{\frac{1}{9}}\Delta$
FCP-1.8-810	8123970	4	800	32	2400
FCP-2.3-860	8123994	2	850	34	3000



- Flare-headed felling axe with long, straight handle, which enables a long swing and a deep cut
- ▶ Three-component handle (fibreglass core, polypropylene around the core and elastomer grip) for comfort, security and longevity
- Comfortable non-slip grip with large suspension hole

	10002 7811519		Emm.	inch	$\Delta^{\frac{1}{9}}\Delta$
FFSS-1.5-900FG	8275884	4	900	35	2400





#### ► SPLITTING AXES

#### > SUS-2.0-800



- ▶ The wedge-shaped axe head, as well as its weight, provides easier penetration when forcing the wood apart
- Curved ash wood handle equipped with an 8 mm (European standard) suspension hole, secured by a jagged carbon fibre wedge and an additional metal ring-wedge equipped with a euro suspension hole

	731151+		<b>≧</b> mm.	inch	$\Delta^{\frac{1}{9}}\Delta$
SUS-2.0-800	8123451	2	800	32	2400

#### ► LS-MERLIN-2.5



- Heavy axe, flat on one side for use both as a splitting axe and a hammer to drive a wedge
- Intended for chopping difficult and very thick wood
- Straight ash wood handle, secured with a leather strap below the head and equipped with an 8 mm (European standard) suspension hole

	18212 7831131		Emm.	inch	$\Delta^{\frac{1}{9}}\Delta$
LS-MERLIN-2.5	8012069	2	900	36	3000

## ► MES-3.5-900



- $\blacktriangleright$  Heavy axe for using both as a splitting axe and a hammer to drive a wedge
- $\blacktriangleright$  Head with turning hook for logs
- $\blacktriangleright$  Intended for chopping difficult and very thick wood
- Straight ash wood handle secured with a jagged carbon fibre wedge, and an additional metal ring wedge

	1932 7511510	#	Emm.	inch	$\Delta_{\overline{q}}$
MES-3.5-900	8123871	2	900	36	3800

#### ► MES-3.0-900



- ▶ Heavy axe, flat on one side for use both as a splitting axe and a hammer to drive a wedge
- ▶ Intended for chopping difficult and very thick wood
- Straight ash wood handle, secured with a leather strap below the head
- ► Large suspension hole

	12402 731151+	<b>#</b>	<b>ĕ</b> mm.	≟ inch	$\Delta^{\frac{1}{9}}\Delta$
MES-3.0-900	8123864	2	900	36	3500

#### ► MCP-2.5-810



- ► Heavy splitting axe, flat on one side, for using both as a splitting axe and a hammer to drive a wedge
- Intended for chopping difficult and very thick wood
- ▶ First-grade hickory wood handle equipped with an 8 mm (European standard) suspension hole for easier hanging on the wall, pressed into the eye and secured with a jagged carbon fibre wedge, and an additional metal ring-wedge

	731151±		Emm.	inch	$\Delta^{\frac{1}{9}}\Delta$
MCP-2.5-810	8124052	2	800	32	3200

#### ► LS-MERLIN-2.5FG



- Heavy axe, flat on one side for use both as a splitting axe and a hammer to drive a wedge
- Intended for chopping difficult and very thick wood
- Three-component handle (fibreglass core, polypropylene around the core and elastomer grip) for comfort security and longevity
- Comfortable non-slip grip with large suspension hole

	1828 7811510		Emm.	inch	$\Delta_{\overline{q}}$
LS-MERLIN-2.5FG	8281113	2	900	35	3550

#### ► MES-3.5-900FG



- $\blacktriangleright$  Heavy axe for using both as a splitting axe and a hammer to drive a wedge
- ► Head with turning hook for logs
- $\blacktriangleright$  Intended for chopping difficult and very thick wood
- Three-component handle (fibreglass core, polypropylene around the core and elastomer grip) for comfort, security and longevity
- ▶ Comfortable non-slip grip with large suspension hole

	1823 75111510		mm.	inch	$\Delta^{\frac{1}{9}}\Delta$
MES-3.5-900FG	8281120	2	900	35	3900







#### **MAULS**

#### ► LS-MASSE-4



- ▶ Maul / sledge for driving poles and for forcing wedges into hard-to-work types of wood
- ▶ Head of high-quality tools steel, flat on both sides
- lacktriangle Straight ash wood handle equipped with an 8 mm (European standard) suspension hole

	1#970 7311510	<b>#</b>	Emm.	inch	$\Delta^{\frac{1}{9}}\Delta$
LS-MASSE-4	8012014	2	900	35 1/2	4300

#### ► LS-MASSE-4FG



- ▶ Maul / sledge for driving poles and for forcing wedges into hard-to-work types of wood
- ▶ Head of high-quality tools steel, flat on both sides
- ▶ Three-component handle (fibreglass core, polypropylene around the core and elastomer grip) for comfort, security and longevity
- $\blacktriangleright$  Comfortable non-slip grip with large suspension hole

	1350 7811510		Ĕmm.	inch	$\Delta^{\frac{1}{9}}\Delta$
LS-MASSE-4FG	8275891	2	900	35	4300

#### ► LS-MASSE-TR-4FG



- ▶ Maul / sledge for driving poles and for forcing wedges into hard-to-work types of wood
- ▶ Head of high-quality tools steel, flat on one side
- ▶ Three-component handle (fibreglass core, polypropylene around the core and elastomer grip) for comfort, security and longevity
- ► Comfortable non-slip grip with large suspension hole

	1500 781151		₩m.	inch	$\Delta^{\frac{1}{9}}\Delta$
LS-MASSE-TR-4FG	8281106	2	900	35	5000

#### WEDGES

#### ► W-T-2.0



- ▶ Twisted steel wedge for easy splitting of hard-to-work types of wood, requires little force to drive in
- ► Excellent splitting capacity

	182N 7811510		Emm.	inch	$\Delta^{\frac{1}{9}}\Delta$
W-T-2.0	8140847	4	220	8 1/2	2000

#### **▶ W-S**



- $\blacktriangleright$  Traditional steel wedge to be used together with a sledge hammer or a splitting maul
- ► Three weights available

	1800 7811515		Emm.	inch	$\Delta^{\frac{1}{9}}\Delta$
W-S-1.5	8140816	4	230	9	1500
W-S-2.0	8140823	4	250	10	2000
W-S-2.5	8140830	4	260	10 1/4	2500

#### **LS-COIN**



- ▶ Synthetic wedge, ideal for use in conjunction with felling operations using a chain saw
- ▶ Does not damage the saw chain

	(EAN 731151+		mm.	Linch	$\Delta^{\frac{1}{9}}\Delta$
LS-COIN 19 CM	8031077	4	190	7 1/2	260
LS-COIN 26 CM	8333041	2	260	10 1/4	295



## **AXE SAFETY AND CARE**

DO NOT use the axes on the side of the trunk where you are standing as there is a risk of slipping and hurting yourself

DO NOT stand erect when splitting wood. It could lead to severe injury if you miss your target

DO NOT twist the axe sideward if it gets stuck, as this could break or loosen the handle

DO NOT try to force splitting wedges into the wood with a normal axe. This could deform the eye, loosen the handle or even break the head

DO NOT use a maul as a wedge. The head of the maul may become deformed or break

DO NOT store axes or mauls in a dry place. Under very low air humidity like in heated rooms the handle could shrink and may no



Keep the trunk between you and the branches you intend to remove. Always cut branches from the root towards the top

Bend your knees slightly to make sure the axe hits the ground if you should accidently slip

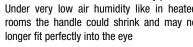
Work the axe loose by moving it up and down

Use a maul or a sledge hammer, which are both designed for wood splitting

Take a special splitting wedge for this task

Storage in an unheated shed, barn or garage is recommended





## SPARE HANDLES FOR AXES

Spare handles are available in different materials. The wooden handles are delivered with a fixing wedge and an assembly instruction.

		731151+		<del>←                                    </del>		
	SH-HGPS-360	7311518140618	1	360	ash wood	HGPS-0.6-360
	SH-HGPS-380	7311518140625	1	380	ash wood	HGPS-0.8-380
	SH-HGPS-400	7311518207618	1	400	ash wood	HGPS-1.0-400
9)	SH-HFGPS-400FG	7311518282301	1	400	three-component fibreglass	HFGPS-0.7-400FG
1	SH-HUS-380	7311518140502	1	380	ash wood	HUS-0.6-380
	SH-HUS-500	7311518140519	1	500	ash wood	HUS-0.8-500
	SH-HUS-650	7311518140526	1	650	ash wood	HUS-1.0-650
	SH-FGS-600	7311518140649	1	600	ash wood	FGS-1.0-600
	SH-FGS-700	7311518140656	1	700	ash wood	FGS-1.25-700
	SH-FGS-800	7311518140663	1	800	ash wwod	FGS-1.6-600
	SH-FCP-860	7311518324421	1	860	hickory wood	FCP-2.3-860, FCP-2.0-860
	SH-FCS-810	7311518140540	1	810	ash wood	FCP-1.4-810, FCP-1.8-810
	SH-FGS-1.8-810	7311518327828	1	900	ash wood	FGS-1.8-810
	SH-FCS-860	7311518140557	1	860	ash wood	FCP-2.3-860, FCP-2.0-860
	SH-SUS-800	7311518140809	1	800	ash wood	SUS-2.0-800
	SH-MCS-800	7311518140595	1	800	ash wood	MCP-2.5-810
	SH-MES-900	7311518140601	1	900	ash wood	MES-3.5-900
	SH-MES-F-900	7311518141554	1	900	ash wood	LS-MASSE-4, LS-MERLIN-2.5, MES-3.0-900
	SH-MES-900FG	7311518282318	1	900	three-component fibreglass	MES-3.5-900FG, FFSS-1.5-900FG, LS-MERLIN-2.5FG, LS-MASSE-4FG, LS-MASSE-TR-4FG



# **FILES**



- ▶ Round chain saw file for sharpening the cutting tooth of the saw chain
- Each file is packed in a skin pack which can be reused as a protective sleeve

	1900 7811510		mm.	inch	Ø mm.	Ø inch	$\Delta^{\frac{1}{g}}\Delta$
168-6-3.2-1P	8152338	12	150	6	3.2	1/8	13
168-6-3.5-1P	8152345	12	150	6	3.5	9/64	15
168-8-4.0-1P	8152352	12	200	8	4.0	5/32	23
168-8-4.5-1P	8152369	12	200	8	4.5	11/64	27
168-8-4.8-1P	8152376	12	200	8	4.8	3/1	31
168-8-5.2-1P	8152383	12	200	8	5.2	13/64	36
168-8-5.5-1P	8152390	12	200	8	5.5	7/32	39
168-8-6.3-1P	8152406	12	200	8	6.3	1/4	51





- $\,\blacktriangleright\,$  Round chain saw file for sharpening of the cutting tooth of the saw chain
- ▶ The files are packed in a three piece protective skin pack with perforations for easy separation
- ▶ 12 Three-packs (36 files) are packed in a combined display / storage box

	(### 7819510		mm.	inch	Ø mm.	Ø inch	$\Delta^{q}\Delta$
168-6-3.2-3P 168-6-3.5-3P 168-8-4.0-3P 168-8-4.5-3P 168-8-4.8-3P 168-8-5.2-3P	8152413 8152420 8152437 8152444 8152451 8152468	12 12 12 12 12 12	150 150 200 200 200 200	6 6 8 8 8	3.2 3.5 4.0 4.5 4.8 5.2	1/8 9/64 5/32 11/6 3/1 13/6	39 45 69 81 93
168-8-5.5-3P 168-8-6.3-3P	8152475 8152482	12 12	200 200	8 8	5.5 6.3	7/32 1/4	117 153

**168-6** 



- ▶ Round chain saw file for sharpening the tooth of the saw chain
- ▶ 10 six packs (60 files) are packed in a combined display / storage box

	1500 731151+		mm.	inch	Ø mm.	Ø inch	$\Delta^{\frac{1}{9}}\Delta$
168-8-4.0-6	8217419	6	200	8	4.0	5/32	23
168-8-4.5-6	8217426	6	200	8	4.5	11/64	27
168-8-4.8-6	8217433	6	200	8	4.8	3/16	31
168-8-5.2-6	8217440	6	200	8	5.2	13/64	36
168-8-5.5-6	8217457	6	200	8	5.5	7/32	39



- ▶ Combination packaging with two round chain saws files
- ▶ One file is fitted with a comfortable ERGO™ handle
- ▶ The packaging also includes a 6" flat chain saw file

	(#2) 761(1510		mm.	inch	Ø mm.	Ø inch	$\Delta^{\frac{1}{g}}\Delta$
168-COMBI-4.0	8209674	1	200	8	4.0	5/32	150
168-COMBI-4.8		1	200	8	4.8	3/16	160
168-COMBI-5.5		1	200	8	5.5	7/32	175

▶ 168-C-G @rgo®





- ▶ Combination packaging of two round chain saws files
- ▶ One file is fitted with a comfortable ERGO™ handle
- ▶ The packaging also includes 6" flat chain saw file
- Filing guide included to guarantee the best filing result both with the round and the flat chain saw file

	1≅555 781151⊕	<b>#</b>	mm.	inch	Ø mm.	Ø inch	$\Delta^{\frac{1}{g}}\Delta$
168-COMBI-4.0-6922	8209643	1	200	8	4.0	5/32	185
168-COMBI-4.8-6920		1	200	8	4.8	3/16	195
168-COMBI-5.5-6924		1	200	8	5.5	7/32	210









- Parallel flat file with round uncut edges for filing depth gauges on saw chains and for sharpening brush cutter blades
- ▶ Packed individually with a comfortable ERGO™ handle

	1=553 731151=		A mm/inch	B mm/inch	C mm/inch	$\Delta^{\frac{1}{9}}\Delta$
166-6-16-2.5-2	8209698	5	150/6	16.0 / 5/8	2.5 / 3/32	105

#### (ergo)® **4-153**



#### **▶** Use:

- ▶ Double cut: rough sharpening of edges on spades, hoes, mower blades, axes, etc
- ▶ Single cut: fine sharpening of edges on above implements and on knives and scissors, etc
- ▶ Shape: Flat, parallel, with two flat, uncut edges
- ▶ One side bastard double cut, the other side single cut
- ▶ Packed individually with a comfortable ERGO™ handle

	7311519		A mm/inch	B mm/inch	C mm/inch	$\Delta^{\frac{1}{9}}\Delta$
4-153-08-1-2	8000707	5	200/8	25 / 63/64	4 / 5/32	195

#### **166/167-12**



- Parallel flat file with round uncut edges
- For filing of depth gauges on saw chains and for sharpening of brush cutter blades
- ▶ 12-pack bulk, industrial pack

	135678 731151+		A mm/inch	B mm/inch	C mm/inch	$\Delta^{\frac{1}{9}}\Delta$
167-8-21-3.2-12 166-6-16-2.5-12		12 12	_0070	21.0 / 53/64 16.0 / 5/8	3.2 / 1/8 2.5 / 3/32	94 48

#### (ergo)®



- ▶ Double edge chain saw file "wasa®"
- **▶** Use:
- ▶ For sharpening saws with straight, fine toothing
- ▶ Shape: Parallel, double conical. Surfaces and edges single cut
- ▶ Teeth pointed towards the tip of the file
- ▶ Packed individually with a comfortable ERGO™ handle

	1259 (1 781151+		A mm/inch	B mm/inch	C mm/inch	$\Delta^{g}\Delta$
4-272-05-3-2	8201500	5	125/5	16.0 / 5/8	4.0 / 5/32	100
4-272-06-3-2	8001025	5	150/6	16.0 / 5/8	4.0 / 5/32	105

# **► SPARE HANDLES FOR FILES**

#### ▶ 9-486-C (ergo)®



- ▶ Ergonomically designed, two component plastic handle with a hard, polypropylene core and a layer of thermoplastic elastomer to provide a soft, textured surface for an excellent arip
- ▶ The handle can hold both round chain saw files (type 168) and the flat chain saw file (type 166)
- ▶ 9-486-C-1P: single pack carded
- ▶ 9-486-C-10: 10-pack bulk

	(853) 731(151)		
9-486-C-1P	8209605	10	50
9-486-C-10	8209599	10	45

#### ► PH-6604



- ▶ Handle for 8" round chain saw files with three integrated angle guides
- ▶ PH-6604-1P: single pack carded
- ► PH-6604-25: 25-pack bulk

	951 751151*		$\Delta^{\frac{1}{g}}\Delta$
PH-6604-1P	8152819	15	55
PH-6604-25	8141134	25	50











































# MAINTENANCE AND ACCESSORIES

#### GRINDING STONES

# > LS-COMBINESS

- ▶ Synthetic two-component grinding stone for small blades
- ▶ To be moistened with petrol or oil for full efficiency
- ▶ Quick removal of damaged metal surfaces with 180 grain/cm2² (green side of stone)
- ► Smooth finish with 400 grain/cm2 (grey side)

	1955) 7811510		l← L→  mm.	l <del>← L</del> l inch	$\Delta^{\frac{1}{9}}\Delta$
LS-COMBINESS	8041366	1	100	4	75

#### **LS-NATURAL**



- ▶ High quality natural grinding stone, grain size 600
- ► For finishing edges of pruning tools
- To be used in a wet state in order to sharpen more efficiently
- Especially recommended for small blades requiring to be sharpened precisely

	14503 73311510		<del>←                                    </del>	<del>←</del> L inch	$\Delta^{\frac{1}{g}}\Delta$
LS-NATURAL	8224622	1	70	2 3/4	40

#### **LS-TRIANGLE**



- ▶ Synthetic grinding stone, grain size 220
- ► To sharpen blades with high precision
- ▶ Stone can either be moistened with petrol, oil or water

	1474 (1) 78 (8) (1)		l← L   mm.	← L inch	$\Delta^{\frac{1}{9}}\Delta$	
LS-TRIANGLE	8224653	1	100	4	50	

#### **LS-PIERRE CORINDON**



- ▶ Synthetic grinding stone, grain size 320
- ▶ For professional use to sharpen high performance small blades like on secateurs
- ▶ Very high removal rate
- ▶ To be moistened with petrol or oil for full efficiency

	1898 781151#		l← L   mm.	← L inch	$\Delta^{g}\Delta$
LS-PIERRE CORINDON	8009977	30	100	4	50

## **LS-PIERRE-FAUX**



- ▶ Synthetic grinding stone, grain size 180
- ▶ To be sharpen long blades for tough work such as long shafted tools, scythes and axes
- ▶ To be moistened with petrol or oil for full efficiency

$\bowtie$	1822 781651C		← L   mm.	<del>← L</del> inch	$\Delta^{\frac{1}{9}}\Delta$
LS-PIERRE-FAUX	8009038	1	230	9	210

#### **SHARP-X**



- ▶ Professional tungsten-carbide sharpener to re-sharpen all kind of blades
- lacktriangle Two-component handle for comfortable use
- ▶ Very secure with two side protections to avoid fingers slipping down to the cutting edge of the blade
- ▶ Two carbide edges for easy and long-lasting use
- ► SHARP-X-DISP: display of 30 pcs

	TENE TENEST		l <del>← L</del>   mm.	l← L   inch	$\Delta^{\frac{1}{g}}\Delta$
SHARP-X	8264895	10	100	4	25
SHARP-X-DISP	8264901	30	100		25



- $\blacktriangleright$  Synthetic grinding stone, "Carbor" type, grain size 220
- ▶ Produces very fine surfaces on cutting tools
- Can be used wet or dry
- $\blacktriangleright$  Not recommended for finishing work on small or new blades

	197213 775141-582		l← L mm.	l <del>← L</del>   inch	$\Delta^{\frac{1}{9}}\Delta$
LS-6160-23	8041304	1	230	9	170



### **CLEANERS AND LUBRICANT**

#### ► SAP-X



- ▶ Cleaning fluid for pruning blades
   ▶ Removes dirt and stains and is a corrosion inhibitor
   ▶ To be sprayed on the surface of the blade and after a while wipe clean

	100A2 731151=		$\Delta^{\frac{1}{9}}\Delta$
SAP-X	8225728	6	75

#### ► ECO-LUBE100



- ► Natural lubrificant for secateurs
- To keep the tools in good shape reducing parts friction and allowing a smoother cutting action
- ► To apply on bolts and junctures

	781151		$\Delta^{\frac{1}{9}}\Delta$
ECO-LUBE100	8249434	4	128



































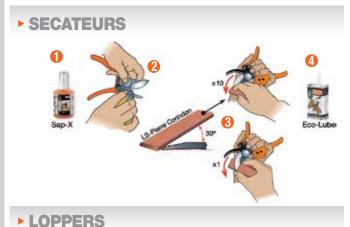




#### MAINTENANCE TIPS

Regular maintenance will keep the cutting edges of your Bahco pruning tools razor sharp. Cleaning and oiling will keep their actions smooth and fast. A sharp blade reduces workload and makes fast-healing clean cuts. To maintain a keen edge performance, maintenance at regular intervals is required. Four steps to maintain your pruning tool:

- 1 & 2 : Clean the blades with SAP-X cleaning fluid
  - 3: Sharpen the blades with a stone or a carbide sharpener
    - ▶ Do 10 strokes at a 30° angle starting at the base of the cutting edge and working toward the tip
    - ▶ Remove burrs with one light stroke along the back side. Keep the stone flat
  - 4 : Lubricate the blades with ECO-LUBE100 lubricant



#### PRUNING SAWS

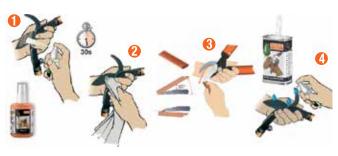
The Bahco 4-272-06-3-2 Ergo™ saw file has been especially designed for sharpening saw teeth of fileable blades.

Clamp the saw blade, teeth up in a bench vice. Hold the file firmly in one hand and steady it by holding the tip with the other.



Always hold the file horizontal in a position which feels comfortable.

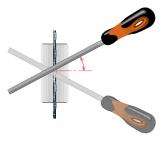






Angle the file by moving your entire body and not just the file.

If you are filing in a comfortable and stress free position, the angle will tend to remain constant.

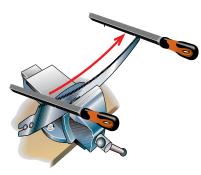


Apply 2-3 light-to-medium pressure strokes per tooth.

First, file one side of the teeth over the length of the blade (move the blade in the vice to dampen vibrations).

Then, change your body position to angle the file for the other side of the teeth and repeat along the blade length.

Turn the blade in the vice and repeat for the other side.



#### HEDGE SHEARS



#### HOLSTERS

#### ► PROF-H



- ▶ Strong and natural-coloured leather holster for secateurs
- ▶ Two belt slits to fit any belt up to 50 mm width
- ▶ Top-quality leather, studded and stiched
- ▶ Steel belt clip feature

	19532 751851		$\sqrt[4]{\frac{1}{9}}$
PROF-H	8158439	2	86

#### **PROF-SEC**



- ▶ Practical secateur holster for any pruning activity
- Wear-resistant and light weight nylon material for durability and comfort
- ▶ Equipped with additional pocket for grinding stone or grafting knife and belt loop (fits 4750-QRLB-1 & 4550-HDB-1)

	12/12 7511:51+		$\Delta^{\frac{1}{9}}\Delta$
PROF-SEC	8288532	1	150

#### ► 4750-KNHO-0



- ► Knife holder made out of suede leather
- ▶ Riveted for truly unbreakable strength

	1211 E			$\Delta^{\frac{1}{9}}\Delta$	
4750-KNHO-0	*0289462	1	200x100x50	90	

#### ► 4750-KNHO-1



- ► Knife holder
- **▶** Riveted reinforcement
- ► Rust proofed fittings

	(S1151)2		*	$\Delta^{\frac{1}{9}}\Delta$	
4750-KNHO-1 EAN code (*) 731415+	*3015839	1	90x30x160	63	

#### ► 4750-2PP-1



- ► Two pocket fixings pouch

- ► Handy extra pocket

	180M 7511510		\$	$\Delta^{\frac{1}{9}}\Delta$
4750-2PP-1 EAN code (*) 731415+	*3014733	1	240x120x290	360



#### ► 4750-HDB-2



- ▶ Heavy duty leather belt with stainless steel twin-pin buckle
- ► Riveted for truly unbreakable strength

	(# <u>255</u> 751151		\$ Common of the second	$\Delta^{\frac{1}{g}}\Delta$	
4750-HDB-2	*0289486	1	900x190x50	650	







































#### HOLSTERS AND GLOVES

#### **PROF-LOPP**

- Practical lopper holster primarily for pruning in vineyards
- ▶ Additional pocket to carry a sharpening stone, grafting knife or a sharp-X
- ▶ Holster can be strapped to the lower part of the leg or in a belt
- ► Made of wear-resistant and light weight nylon material for durability and comfort
- ▶ Holster fits loppers P116, P114, P16 up to 60 cm

HAN FREEZE

8288549



# ► 4750-MPH-1

PROF-LOPP



375

- ▶ Multi purpose holder
- ▶ Measuring tape clip for all kind of measuring tapes
- ► Riveted for truly unbreakable strength
- Extra leather slot for pen or small screwdriver

	785151*		$ abla^{\frac{3}{4}} abla $
4750-MPH-1 EAN code (*) 731415+	*0291625	1	220

#### ► **GL008**



- A thin PU material gives user better touch and feel
- ► Absorption pad on thumb

	12-A32 7-51 151 -		<b>√</b> 0)	$\nabla_{\stackrel{a}{ au}} \nabla$
GL008-10 GL008-8	*0167050 *0167043	6 6	10 8	72 69
EAN code (#) 72141E				

## ► GL010



- ► Anti-vibration pads on fingers and palms
- ► Reflective strip across the back
- ▶ Absorption patch on the thumb

	I=A8 731151+		( <sup>n</sup> )	$\Delta^{\frac{1}{9}}\Delta$
GL010-10	*0167098	6	10	140
GL010-8	*0167081	6	8	137
EAN code (*) 731415+				



#### ► GL012



- ▶ Reinforced grip pads on fingers and palm
- ► Missing ends on thumb, index and middle fingers
  ► Absorption pad on thumb

	152M 751151+		<b>(</b> 1)	$\nabla_{\stackrel{a}{+}} \nabla$
GL012-10	*0167104	6	10	91
GL012-8	*0167111	6	8	87
EAN code (*) 731415 :				





#### LANYARDS

#### > 3875-LY1



- Max 3 kg tool weight (3daN)
- Length 80 cm, fully extended 120 cm
- Non-removable carabiners
- ▶ High strength webbing and self-retracting inner coil jointly absorbs shock
- ► High tenacity polyester
- Individual tracking number

	731151+		$\Delta^{\frac{1}{9}}\Delta$
3875-LY1	*0191253	8	170
EAN code (*) 731415+			

#### > 3875-LY3



- Max 1 kg tool weight (1 daN)
- Length 65 cm, fully extended 120 cm
- ▶ One non-removable carabiner and one exchangeable loop with barrel lock
- ▶ High strength webbing and self-retracting inner coil jointly absorbs shock
- ► High tenacity polyester
- Individual tracking number

	1533 7531515	<b>\$</b>	$\Delta^{\frac{1}{q}}\Delta$
3875-LY3	*0191284	8	125
EAN code (*) 72141E -			

#### > 3875-WL1



- ► Max 1 kg tool weight (1 daN)
- ▶ Length 60 cm
- ► Wrist attachment with barrel lock
- Exchangeable loop with barrel lock
- ▶ High strength webbing absorbs shock
- ► High tenacity polyester
- Individual tracking number

	15 AA		$\Delta^{\frac{1}{g}}\Delta$
3875-WL1 EAN code (*) 731415+	*0191291	8	40



#### > 3875-LY2



- Max 3 kg tool weight (3 daN)
- Length 80 cm, fully extended 120 cm
- One non-removable carabiner and one fixed loop with barrel lock
- ► High strength webbing and self-retracting inner coil jointly absorbs shock
- ► High tenacity polyester
- ► Individual tracking number

		1952 TO 1952 T		
387	75-LY2	*0191260	8	115
EAN o	code (*) 731415+			

#### > 3875-RL1



- ► Max 0,9 kg tool weight (0,9 daN)
- ► Length fully extended 100 cm
- Non-removable carabiner
- ▶ One exchangeable loop with barrel lock
- ▶ Polycarbonate case and spectra line
- Lock button on the side

	731151+		$\Delta^{\frac{1}{9}}\Delta$
3875-RL1	*0194780	1	200
EAN code (*) 731415+			

#### **439000000**



- ► Steel wire coated with PVC
- Fully extended length 200 cm
- Non-removable carabineers
- ► Additional ring and string to holding of tools 1 mm diameter
- Maximum weight recommended: 10 kg

	1811515 7811515		$\Delta_{\overline{q}}$
439000000 EAN code (*) 841334+	*5129282	1	100

#### 439000001



- ► Used for construction wrench
- ► Steel wire coated with PVC
- Fully extended length 150 cm
- Non-removable carabineers
- ► Additional ring and string to holding of tools 1,7 mm diameter
- Maximum weight recommended: 20 kg

	व्यवस्य स्टानान्द्र		$\Delta^{\frac{1}{9}}\Delta$
43900001 EAN code (*) 731415+	*0268788	1	130



# HAND TOOLS



- ► Slip joint pliers developed according to the scientific ERGO<sup>™</sup> process
- ► ISO 8976
- Finish: Black finish, anti-corrosion treated
- Material: High performance alloy steel
- ▶ ERGO™ handles in 2-component combination, thermoplastic surface, for comfortable grip, on tough polypropylene core for rigidity
- Hardened jaws, Teeth designed to ensure grip, Jaws for flat and pipe shape gripping
- ► Single thumb button adjustment
- ► IP: Industrial Packed

	1200 781151	<b>4</b>	A	B	C	D mm	E	F	Piano mm	$\Delta^{\frac{1}{g}}\Delta$
8224 8224IP	*0000012 *0101757	5 5	250 25	40 40	51 51	8.0 8.0	6 6	8.0 8.0	45 45	350 350
EAN code (*) 7		J	23	40	JI	0.0	U	0.0	40	330



- Finish: Black epoxy powder coated, anti-corrosion treated
- Material: High performance alloy steel, PVC coated handles for better gripping comfort
- ▶ With high leverage design for ease to use
- ► For wire twisting and cutting at construction sites (armouring) and to cut medium hard wire used in this application
- ▶ IP = Industrial Packed

	1250 N 761 H 551 C	A mm	B	C	D	E	F	G	Piano mm	$\Delta^{\frac{1}{9}}\Delta$
2339 D * 2339 DIP * EAN code (*) 731	0103508	220 220	16 16		21 22	1.0 1.0	3.0 3.0	21 22	2.5 2.5	320 320

#### **9571**



- ► Adjustable wrench with side nut operating system
- ► Standards: ISO 6787, DIN 3117, BS 6333, ASME B107.8M 2003 and UNE 16532
- ▶ Smooth movement and precision tuning
- ▶ Head angle 15° provides better accessibility
- Comfortable non slip thermoplastic grip handle

	751151 <del>0</del>		A	B	C	D	$\Delta^{\frac{1}{9}}\Delta$
9571	*0178582	5	208	27	7.5	14	300

#### **484-1250**



- Club hammer with convex (domed) striking faces
- ▶ Handle of first class genuine hickory, straight grained, without knots
- ▶ DIN 6475, GS certification

	IMAN VSHIST		A	B	C		$\Delta_{a}$
484-1250	8005139	4	107	260	42	1250	1330

# • 8224CIP (ergo)®

- ► Slip joint pliers developed according to the scientific ERGO<sup>TM</sup> process
- ► ISO 8976
- Finish: Chrome plated, anti-corrosion treated
- Material: High performance alloy steel
- ► ERGO™ handles in 2-component combination, thermoplastic surface, for comfortable grip, on tough polypropylene core for rigidity
- ▶ Hardened jaws, Teeth designed to ensure grip, Jaws for flat and pipe shape gripping
- ▶ Single thumb button adjustment
- ► Industrial packed

	(#A) 781151+		A	B	C	D mm	E	F	Piano mm	$\Delta^{\frac{1}{9}}\Delta$
8224CIP	*0103607	5	250	40	51	8.0	6	8.0	45	350
EAN code (*) 73	1415+									



- ▶ Power cutter with centric precision cutting edges
- Finish: Black finish anti-corrosion treated
- ▶ Material: High performance alloy steel, PVC coated handles
- ▶ Forged with cutting edges for piano, hard and soft wire
- ▶ High leverage giving exceptional cutting performance with minimum effort
- ► The precision cutting edges are additionally induction hardened 63-64 HRC

	1#200 7811510		A	B	C	D	E	F	Piano mm	$\Delta^{\frac{1}{9}}\Delta$
1520 D	8278922	5	205	16	33.5	17.1	8	6	3.8	300



- ▶ Carpenter's hammer with anti-slip striking face and magnetic nail holder
- ► Tubular steel shaft with comfortable grip
- ▶ DIN 7239, GS certification

	(#2/6 781151+		A	B	C	$\int_{g}$	$\Delta^{\frac{1}{9}}\Delta$	
485	8005153	4	170	308	26	600	925	

#### > 3625RM-75



- ► Rubber mallet
- ► Wooden handle

	1=515 731151 •		A	B	L mm	$\Delta^{\frac{1}{g}}\Delta$
3625RM-75 EAN code (*) 731415+	*3019820	6	75	125	360	600



#### **466-800**



- ▶ Box section anodized finish aluminium level
- ► Shock absorbing end caps
- ▶ Permanent precision +/- 0.5 mm per metre
- ► Machined surfaces and "V" groove base
- ► Thick shaped profile
- Large vials for ease of view
- Laser marked measuring scale (for indication purposes only)

	(H5N2 76311519	<b>#</b>	mm.	⊕ }	<b>⊕</b>	$\Delta^{\frac{1}{9}}\Delta$
466-800 EAN code (*) 731415+	*0128310	4	800	1	2	875

#### **9574-200**



- ▶ For transferring a measured angle to a work piece for cutting or machining
- ► The blade can be tightened with the wing screw at the end, this also doubles as a hanging hole in storage

	1951B 7816567		l← L→  mm.	$\Delta^{\frac{1}{9}}\Delta$
9574-200 EAN code (*) 731415+	*0138197	10	200	165
D41 COUC ( ) 731413+				- 40

#### ► MW-250

- ► Measuring wheel
- ► 250 mm diameter rubber coated measuring wheel
- ► Adjustable handle height
- Fold down kickstand
- ▶ Measures up to 9999.9 m
- ▶ Push button reset

	1#20R1 731151*		l← L mm.	$\Delta^{\frac{1}{g}}\Delta$
MW-250	0125678	2	250	1334

#### ► BE-8675

- Set of long black finish offset screwdrivers for TORX® and TORX® tamper resistant head screws, 8 pcs
- 2-component compact holder enables easy removal of individual keys
- ► Content: TR-9 TR-10 TR-15 TR-20 TR-25 TR-27 TR-30 TR-40
- ▶ All sizes marked on the holder for easy selection
- ► Hanging hole



#### **308506000**



▶ Construction square for layout and setting up

	100A2 72311510	<b>#</b>	A	B	C	D <sub>mm</sub>	
308506000 EAN code (*) 841334+	*5035163	1	600	300	30	30	1020





- ► Forged in one piece
- ► Tempered
- ► Madrid model

	1803 781151+			$\Delta^{\frac{1}{9}}\Delta$
2303H0000 EAN code (*) 841334+	5091466	6	190x103	318

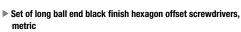
#### MTS-5-25



- ► Tapes are Class II
- lacktriangle Stainless steel blade with rust resistance coating
- Easy to read nylon coated blade with reverse blade printing
- Automatic blade lock
- ► Magnetic tip

	19715 781151		l <del>← L</del>   mm.	mm.	$\Delta^{\frac{1}{9}}\Delta$
MTS-5-25 EAN code (*) 731415+	0119233	6	5	25	300

#### ► BE-9770



- ► Content: 1.5 2 2.5 3 4 5 6 8 10 mm
- ► In plastic holder
- ▶ All sizes branded onto the lid for an easy selection
- ► Hanging hole









#### **BLTS6I**

- ▶ 6 SMD LED Lamp
- ▶ 1 SMD LED Torch
- ► Impact resistant
- Pressure resistant
- ► Strong and durable
- **▶ IP68**
- ▶ 200 Lumens
- ▶ 90° light diffusion angle
- ▶ 3,5 hours running time
- ▶ 3 hour charging time
- ▶ 2100 mAh Li-ion battery



# ► LA010



- ► Full aluminium body
- ▶ Flex neck: the neck features 360° rotation and flexion in every direction
- ▶ Super bright Led with power output: 30 lumens
- ► Runtime 6 hours
- ► 0N/0FF switch
- ▶ Powered by 2 pcs AA battery (battery included)

	1511512 2511512		‡ <u> </u>	l <del>← L</del>   mm.	$\Delta^{\frac{1}{9}}\Delta$
LA010	*0125821	12	26x345x171	630	2
EAN code (*) 72	1/15:				

#### **BLTS7P**



- ► Extra thin, ultra light
- ▶ 7 SMD LED lamp
- ▶ 1 SMD LED Torch
- ► Magnet included
- ► Mini-USB charger
- **▶ IP20**
- ▶ 45 lumens
- ▶ 4 hours running time
- ▶ 90° light diffusion angle
- ▶ 3 hours charging time
- ▶ 750mAh Li-ion battery

	731151÷		# E	$\Delta^{\frac{1}{9}}\Delta$
BLTS7P EAN code (*) 731415+	*0246410	5	170x23x26	160

#### BLTFC1

- ► Compact and light lamp with Alu
- ▶ 1 COB LED lamp
- ▶ 1 SMD LED Torch
- Magnet on base
- ► Hook on head
- ► Flex handle
- ► Mini-USB charger
- **▶ IP20**
- ▶ 180-220 lumens
- ▶ 2-3 hours operating time
- ▶ 120° light diffusion angle
- ▶ 2-3 hours charging time

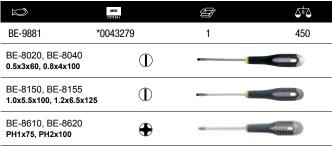
▶ 2000 mAh Li-ion battery					
	EAN 731151+			$\Delta^{\frac{1}{9}}\Delta$	
BLTFC1 EAN code (*) 731415+	*0246434	20	270x37x50	210	

# ▶ **BE-9881** (**ergo**)®

- ► ERGO™ screwdriver set, 6 pieces ► For Slotted and Phillips head screws
- In cardboard box

EAN code (\*) 731415+





#### ► 808050P



- ▶ Pistol handle ratcheting bit holder screwdriver 1/4"
- ▶ Handle: 3-component handle with textured finish for maximum torque and minimum effort
- ▶ Handle swivels and locks at 30° position for application of higher torque when necessary. This is especially important in work areas where there is little room to twist the screwdriver and the user's hand
- Locks at 180° for normal operation
- Interchangeable bit storage compartment with release button for quick access
- ▶ Slide tray that keeps 6 different bits handy and secure: PH 1, PH 2, PZ 1, PZ 2, slotted 4.5 and 5.5
- Magnetic blade secures bit in screwdriver and makes bit changing easy
- ► Knurled blade makes the grip firm providing finger tip control for faster turning (rapid
- Smooth ratcheting stroke, allowing three position ratchet mechanism: forward, reverse

	inde Parisal		0	₩mm	mm	$\triangle^{\frac{1}{9}}$
808050P EAN code (*) 73	*0128105	50	1/4	135	260	270



#### **► SL25L**



- ► High performance alloy steel
- **►** Matt finish
- ► ISO 1174
- **▶ DIN 3120**
- ► Case: ABS, 195x45x130 mm
- ► Contents, 37 pcs

	731151+			$\Delta^{\frac{1}{9}}\Delta$
SL25L EAN code (*) 731415+	*0256570	10	195x45x130	950

#### ► S910



- ▶ 1/4" and 1/2" sockets, and combination spanners set
- ► High performance alloy steel
- ► Matt finish
- ▶ ISO 1174
- ► DIN 3120
- ► Case: High Density Polythene (HDPE)
- ► Contents, 92 pcs

	731151+			$\Delta^{\frac{1}{g}}\Delta$
S910 EAN code (*) 731415+	*0104000	2	375x320x110	6880

#### **S240**

- ▶ 1/2" socket set
- ► High performance alloy steel
- ► Matt finish
- ► ISO 1174
- ► DIN 3120
- ► Case: High Density Polythene (HDPE)
- ► Contents, 24 pcs



#### **598/31-1**



- ▶ 31 pcs bit set: 30 bits and 1 magnetic quick release bit holder
- ► In cardboard packaging
- ▶ Drive: 1/4" DIN 3126-C6.3, ISO 1173
- ► Finish: Zinc phosphate
- ► Material: High performance alloy steel



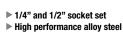
#### ► S530T



- ▶ Material: High performance alloy steel▶ Case: High Density Polythene (HDPE)
- ► Contents, 53 pcs

	1900 781151*		₹ New York	$\Delta^{\frac{1}{9}}\Delta$
S530T EAN code (*) 731415+	*0169122	4	375x215x100	4500

#### **S410**



- ► Matt finish
- ▶ ISO 1174
- ► DIN 3120
- Case: High Density Polythene (HDPE)
- ► Contents, 41 pcs



#### ► SLX 17

- ▶ 3/4" socket set
- ► High performance alloy steel
- ► Matt finish
- ▶ ISO 1174 ► DIN 3120
- ► Case: High Density Polythene (HDPE)
- ► Contents, 17 pcs

	(EAN. 731151+			$\Delta_{\Phi}$
SLX 17 EAN code (*) 731415+	*3015785	1	105x430x370	12838

#### **7823**



Impact driver set with 23 pcs in black metal box

7823 *0218141 FAN code (*) 731415+	16	197x70x45	1280













































#### ► MTT151



- ► Heavy duty aluminium body
- ► Anodized finish in orange
- ▶ 18 versatile functions
- ▶ Rust resistant stainless steel blades
- ► Hard durable canvas storage pouch with belt loop

	10000 781151*		l←—→  mm.	← L inch	$\Delta^{\frac{1}{9}}\Delta$
MTT151	*0120703	6	150	5.8	320
EAN code (*) 7314	115+				

#### ► MTT051





- ► Heavy duty aluminium body
- ▶ 12 versatile functions
- ► Rust resistant stainless steel blades
- ▶ Very light tool and heavy duty use

	1508 731151+		l <del>← L</del>   mm.	← L inch	$\Delta_{1}^{a}$
MTT051 EAN code (*) 73141	*0270521	6	165	6 1/2	315

## ► **SQZ15**0003



- ► Squeeze knife with quick change blade feature
- ► 6 spare blades stored in a special compartment

	18535 731151		$\Delta^{\frac{1}{g}}\Delta$
SQZ150003 EAN code (*) 731415+	*3013477	6	350

#### ► **SQZ15**0003-HSBL



- ► Hooked utility knife blades
- ► Safe plastic dispenser containing 12 blades

$\bowtie$	(#25) 731151+		<del>← L</del>   mm.	← L   inch	$\Delta_{\frac{a}{1}}$
SQZ150003-HSBL EAN code (*) 731415+	*3015389	1	51	2.1	100





Should you need more hand tools, please go on our website www.bahco.com



# **► TOOL STORAGE**

#### **960100030**



- ▶ 3 compartments
- ► Complete with locking capability

	1820 781151			$\Delta^{\frac{1}{9}}\Delta$
960100030 EAN code (*) 841334+	*5031097	1	500x210x190	4100

#### ► 1470K5



- ► 5 drawer trolley
- Large capacity heavy duty construction trolley
- Double wall frame protects the slides and drawers from shocks/crashes
- ▶ Reinforced areas to reduce stress in specific points of the trolley
- ▶ Long ball bearing slides with 100% opening drawers
- lackbox Click/detent closing system of drawers
- ▶ Strong and secure round type key and central locking mechanism
- Wheels of 125 x 30 mm with ball bearings and non-marking rubber outsurface 2 fixed
  - 2 swivel with brake
- Drawers internal dimensions:
  - (1 x) 543 x 445 x 53 mm
  - (2 x) 543 x 445 x 118 mm
  - (2 x) 543 x 445 x 184 mm



PSP PJJ PAW PSV



#### ► 3100TB

- ▶ Open top tool bag for easy access and use
- ► Comfortable padded carry strap and handle

\*0125364

- ▶ 10 internal, 11 external pockets, tape measure clip and spirit level straps
- ▶ Waterproof base

3100TB

EAN code (\*) 731415+



#### ► 1475K8



- ▶ 8 drawer trolley
- Lock & Go! latching system prevents drawers' opening when moving the trolley
- ▶ Long ball bearing slides with 100% opening drawers
- Scratch resistant paint
- ► Available in different colours
- ▶ Big capacity heavy duty construction trolley
- ▶ Double wall frame protects the slides and drawers from shocks/crashes
- ▶ Reinforced areas to reduce stress in specific points of the trolley
- Strong and secure round type key and central locking mechanism
- Wheels of 125 x 50 mm with ball bearings and non-marking rubber surface 2 fixed

**⊟**Th

- 2 swivel with brake
- Drawers internal dimensions:
  - (6 x) 543 x 445 x 53 mm
  - (1 x) 543 x 445 x 118 mm
  - (1 x) 543 x 445 x 184 mm

	7811510		mm a	Kg []	mm b*	Kg	→lal+	$\Delta g \Delta$
1475K8PC	*0182923	2	677x501x955	1100	543x445xh	45	50x125	80
1475K8PCM		_				45	50x125	80
1475K8PDG	*0183302	2	677x501x955	1100	543x445xh	45	50x125	80
1475K8PEV	*0182947	2	677x501x955	1100	543x445xh	45	50x125	80
1475K8PSP	*0183357	2	677x501x955	1100	543x445xh	45	50x125	80
1475K8PJJ	*0182961	2	677x501x955	1100	543x445xh	45	50x125	80
1475K8PAW	*0182978	2	677x501x955	1100	543x445xh	45	50x125	80
1475K8PSV	*0186952	1	677x501x955	1100	543x445xh	45	50x125	80
EAN code (*) 7314	15+							







PAW

PSV

PEV



# HYDRAULIC AND LIFTING EQUIPMENT

#### ► BH5DP1000QA

- > Used in pits and underneath elevated vehicles for removing, installing or transporting transmissions safely
- ▶ Quick approach feature with only 36 strokes to reach full height thanks to the 2 speed pump
- ▶ Saddle can be positioned upside down and thanks to the addition of our standard rubber and steel saddles BH11500-04 & BH11500-05 (options)
- > Sturdy swivel steel wheels (75mm) covered by PU (2 with brake) for more durability, optimum and manoeuvrability
- Lowering mechanism thanks to a foot pedal allowing the user to keep his hands free for other operations
- ► Certified according to 2006/42/EC + BS EN1494



	FAN 751151=		\$ Lim	A mm.	Å.	kg	kg
BH5DP1000QA EAN code (*) 731415+	*0270224	1	1444x759	1389	1899	1000	80

#### ► BH3A5000

#### ► BH3A10000

- Auto-rising jack stands
- ▶ The stand raises automatically by pulling the lever upwards
- NO efforts to raise the stand thanks to a spring inside the pole
- ▶ One free hand
- ► TÜV-GS approved



	(20 <u>13)</u> 7311(51 <del>1)</del>		<b>₽</b>	A mm.	Å.		kg
BH3A5000 BH3A10000 EAN code (*) 731415+	*0234653 *0234660	1	10x540 95x690	403 526	620 776	5000 10000	8 19

#### **▶ BH730**

#### ► BH750

- ► Certified according to 2006/42/EC
- ▶ Hydraulic Presses with robust welded frame with exclusive rounded shape design
- Large pressure gauge for easy reading at convenient eyes level
- ► Sliding and chromed piston
- ▶ Rulers to ease centering the piston with the item to extract
- ▶ 2 V blocks included usable on V or flat side depending the need
- ▶ Auto-centering pins for the table with safety locking springs
- Double speed pump with built-in safety overload valve
- Pressing pins set with 8 pins and a punch plate included
- ► All handles isolated

						0				
F1	F2	F	G	H	mm	J mm	K	L	M	

	18502 1851513		kg \	A mm	B	C	D mm	E	F1	F2	F	G	H	mm	J mm	K mm	L mm	M mm	N mm	kg
BH730	*0235667	1	30.000	960	700	1.780	1.810	700	140	1.020	140	200	10 12	160	860	990	80	10	10	189
BH750	*0235674	- 1	50.000	1.010	770	1.835	1.855	730	173	1.013	205	280	12	200	910	1.070	90	12	12	301

# **BH230**

# ► Certified according to 2006/42/

- EC + BS EN1494 ▶ 30t air hydraulic jack
- Extra-large rubber wheels
- ▶ 3 saddle extensions included: 45 mm 100 mm 250 mm
- ▶ Product weight: 95 kg
- ► Safety pressure valve



#### ▶ BH2AC60-140

#### ► BH2AC60V110





- ▶ Universal saddles
- ▶ Heavy duty
- **▶** Machined

	1941 78 1151		‡ HE	U		$\left[ \begin{array}{c} \widehat{kg} \end{array} \right]$
BH2AC60-140	*0168958	1	100x150x150		Х	1
BH2AC60V110	*0178933	1	100x150x150	Χ		1
EAN code (*) 731415+						



#### ► BH11500

- ▶ 1.5 t low entrance trolley jack
- Extra large rounded foot pedal for ease of use in any position
- ▶ Dual pistons which decreases the number of pump strokes by 50%
- ▶ Piston dust cover
- ▶ Polyurethane steel covered wheels
- ► Rubber saddle
- ▶ Storage tray
- ► Safety pressure valve
- ► Safety lowering valve



#### **BH12000**

- ▶ 2 t low entrance trolley jack
- Extra large rounded foot pedal for ease of use in any position
- ▶ Dual pistons which decreases the number of pump strokes by 50%
- ▶ Piston dust cover
- ▶ Polyurethane steel covered wheels
- ▶ Rubber saddle
- ▶ Storage tray
- ► Safety pressure valve
- ► Safety lowering valve

	(EAN) 731151+	<b>#</b>	<u></u>	min mm	TAXEMM A		<b>.</b> >				kg
BH12000 EAN code (*) 731415+	*0178803	1	2	70	490	790	+/-10	119	Χ	180x790x400	44.6

#### **BH13000**

- ▶ 3 t compact trolley jack
- Extra large rounded foot pedal for easy of use in any position
- ▶ Dual pistons which decreases the number of pump strokes by 50%
- ▶ Piston dust cover
- ▶ Polyurethane steel covered wheels
- ► Rubber saddle
- **▶** Storage tray
- ► Safety pressure valve
- ► Safety lowering valve

	1#208 785151+		<u> </u>	minamm -	AZEMMAN A		<b>4</b> >		<b>9</b>	\$ Common of the second	kg
BH13000 EAN code (*) 731415+	*0178810	1	3	90	552	820	+/-10	119	X	200x710x390	50.5

#### ► BH1A2500

- ▶ 2.5 t aluminium trolley jack
- ▶ 100 % aluminium body and lifting arm
- Storage tray
- ▶ Detachable handle
- ► Safety pressure valve
- **▶** Safety lowering valve

	(800 7811519	<b>2</b>	$\overline{\dot{\frown}}$	min mm	TAX.mm AX.mm	ightharpoons	<b>.</b> >		<b>9</b>		kg
BH1A2500 EAN code (*) 731415+	*0170555	1	2.5	95	485	740	6	120	Х	800x370x200	25

















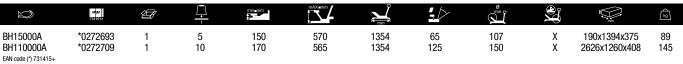




#### ► BH15000A

#### ► BH11000A

- $\blacktriangleright$  BH15000A is a Trolley jack 5T and BH110000A is a trolley jack of 10T
- Large and comfortable pedal easing access for quick approach to the lifting points from right of left sides
- ► Certified according to 2006/42/EC + BS EN1494



#### ► BH6FC2000

- ► Certified according to 2006/42/EC + BS EN1494
- ► Certified according to 2006/42/EC + BS
- ▶ 2 t foldable crane
- ▶ Foldable body and 4 fixed positions of the lifting arm: 2000, 1500, 1000 and 500 kg
- $\blacktriangleright$  Dual effect cylinder which decreases the number of pump strokes by 50%

20

1

1950x580x570

2000

- ▶ Min entry height: 130 mm
- Max hook height: 2640 mm
- ▶ Swivelling lever for comfortable pumping from all positions
- ▶ "Dead man" safety mechanism

\*0234639

■ Overload valve

BH6FC2000

EAN code (\*) 731415+

**►** Swivel safety hook

► BH5US1000	
■ Gyroscopic adjustable universal saddle 1000kg capacity with chains for securing the transmission ■ Possible to swivel and adjust the	

- transmission in different angles
- ► Heavy duty solid mounting plates
- Fits on transmission jacks ref. BH5SP500QA and BH5DP1000QA



#### **BH4**

1500

► Certified according to 2006/42/EC + BS EN1494

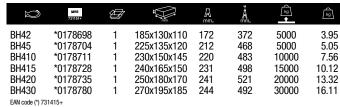
500

130

► Bottle jacks for heavy duty use

1000

- ► Welding construction with double seals preventing body leaks
- Arc surface of the steel base to control the centring of the load in the axis of the piston
- ► Working conditions: -20 to 70°C







+-70

kg

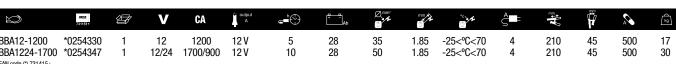
168



#### ► BBA12-1200

#### ► BBA1224-1700

- ► Application: to boost vehicles
- ▶ 1200 CA on clamps for BBA12-1200 and for BBA1224-1700 1700 CA on clamps at 12 V; 900 CA at 24 V
- ▶ New AGM battery: 15-20% more powerful than previous AGM battery
- ▶ Dual warning for polarity inversion
- ▶ Strong and durable rotomolded housing with 2 component comfort grip
- ▶ Double insulation thick copper cables for best conductivity and less leaks
- ▶ Strong durable insulated brass clamps with inner bridge
- ► Illuminated voltimeter
- ▶ Poka-yoke On-off switch
- ▶ 12V output / 500A internal fuse
- Easy control system for internal fuse checking
- ► External intelligent electronic charger
- ► Charging status control LED on charger





#### ► BBC620

- **▶** Battery Charger-starter
- ▶ Application: Automatic battery charger and starter 12/24V single phase 230V
- ▶ Battery charger and starter for charging free electrolyte batteries (WET, CA, Pb and AGM) with 12/24V voltage and starting all kinds of cars, vans and light trucks
- Characteristics:

Choice of normal charge or quick charge (BOOST)

Quick start

Display of charging and starting current

Protection against overloads, short circuits and polarity reversal

Impact sockets: 10, 11, 12, 13, 14, 15, 17, 19, 21, 22, and 24 mm

Nominal capacity: 20/1000Ah for the BBC420 and 20/1550Ah for the BBC620

Timer for setting the time boost on the BBC620(0-60')

	_											
	F0N 731151*		V	Hz	•	kW	AEFF	Aen	CA	Ah		kg
BBC620 EAN code (*) 731	*0243242	1	230	50/60	12-24 V	2-10	90	70	570	20/1550	325x465x730	26

#### **▶ BP815K1**

▶ Impact wrench kit 1/2" ► Supplied in a robust plastic case

1 pc BP815 1/2" Impact wrench

1/4" threaded male connector

**▶** Contains:







- ▶ Composite housing ► Twin hammer mechanism
- ► Power regulator
- Swivel connection
- ► Air exhaust in handle

	12/43 731151+			BAR	<b>⊕</b> ↓ inch		► I/min ►		mAx nm	(min-)	(min-1)	MC dea	misec:	l <del>← L</del> mm.	kg
BP815K1 BP817 EAN code (*) 731	*0181957 *0134016	1	1/2" 3/4"	6.3 6.3	1/4" 3/8"	10 10	130 190	320-620 340-950	825 1,800	7,000 4,500	1,150 970	84 88	5 4.30	192 245	1.95 3.95



















#### 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.



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2015

	EAN				EAN	<i>⇔</i>	ı (
AP-234-F	7311518289027	2	35	MES-3.0-900	7311518123864	2	
AP-3M	7311518152062	1 1	35	MES-3.5-900	7311518123871	2	
AP-5M BBA12-1200	7311518152079 7314150254330	1	35 71	MES-3.5-900FG MTS-5-25	7311518281120 7314150119233	2 6	
BBA1224-1700	7314150254347	1	71 71	MTT151	7314150119233	6	
BBC620	7314150243242	1	71	MTT051	7314150270521	6	
BE-8675	7314150123872	i	63	MW-250	7314150125678	2	
BE-9770	7314150027712	3	63	P108-20-F	7311518275518	2	
BE-9881	7314150043279	1	64	P108-23-F	7311518275525	2	
BH110000A	7314150272709	1	70	P1-20	7311518044572	5	
BH11500	7314150178797	1	69	P1-23	7311518332501	5	
3H1A2500	7314150170555	1	69	P11	7311518009076	6	4
3H12000 3H13000	7314150178803	1 1	69 69	P110-20-F P110-23-F	7311518275532	2	
BH15000A	7314150178810 7314150272693	1	70	P110-23-F P114-SL-40	7311518275549 7311518301149	2 2	:
3H230	7314150264070	6	68	P114-SL-50	7311518301156	2	:
3H2AC60-140	7314150168958	1	68	P114-SL-60	7311518301163	2	:
3H2AC60V110	7314150178933	1	68	P116-SL-40	7311518301101	2	
3H3A5000	7314150234653	1	68	P116-SL-50	7311518301118	2	
BH3A10000	7314150234660	1	68	P116-SL-60	7311518301125	2	:
3H410	7314150178711	1	70	P116-SL-70	7311518301132	2	:
3H415	7314150178728	1	70	P121-18-F	7311518275662	6	
3H42	7314150178698	1	70	P121-20-F	7311518275631	6	
3H420	7314150178735	1	70	P121-23-F	7311518275648	6	
BH430	7314150178780	1	70	P123-19-BULK15	7311518226251	15	
3H45	7314150178704	1	70	P123-19-BULK30	7311518218218	30	
8H5DP1000QA	7314150270224	1	68	P123-19-BULK56	7311518240202	56	
8H5US1000	7314150243174	1	70 70	P126-19-F	7311518275297	6	
8H6FC2000 8H730	7314150234639 7314150235667	1 1	70 68	P126-22-F P127-19-BULK30	7311518275303 7311518199333	6 30	
8H750	7314150235674	1	68	P128-19	7311518160814	6	
LTFC1	7314150233074	20	64	P128-19-BULK30	7311518172329	30	
LTS6I	7314150246458	15	64	P129-19-BULK30	7311518172336	30	
LTS7P	7314150246410	5	64	P130-F	7311518333980	6	
P815K1	7314150181957	1	71	P138-22-F	7311518301279	6	
P817	7314150134016	1	71	P140-F	7311518275372	2	
CO-LUBE100	7311518249434	4	57	P160-SL-60	7311518301170	2	
CP-1.8-810	7311518123970	4	50	P160-SL-75	7311518301187	1	
CP-2.3-860	7311518123994	2	50	P160-SL-90	7311518301194	1	
FSS-1.5-900FG	7311518275884	4	50	P16-40	7311518013479	2	
GS-1.0-600	7311518123796	4	49	P16-40W	7311518043049	2	
GS-1.25-700 GS-1.6-810	7311518123802	4 4	49 50	P16-50-F P16-60-F	7311518301286 7311518276461	2 2	
GS-1.8-810	7311518123819 7311518123826	4	50 50	P16-60-F P172-SL-85	7311518276461	1	
P-3M	7311518168612	1	35	P19-80-F	7311518275365	1	
S-5	7311518266455	10	45	P20	7311518009281	6	
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S-8	7311518266462	10	45	P263	7311518299262	10	
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L008-8	7314150167043	6	60	P266	7311518299293	10	
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L010-8	7314150167081	6	60	P268	7311518299316	10	
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L012-8	7314150167111	6	60	P270	7311518299330	10	
S-180-F	7311518275488	6 6	41	P272	7311518299354	5	
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FGPS-0,7-400FG	7311518275877	4	49	P277	7311518299378	5 5	
GPS-0.6-360	7311518123680	4	49 49	P278	7311518299385	5	
GPS-0.8-380	7311518123697	4	49	P280-SL-80	7311518301330	2	
GPS-1.0-400	7311518123703	4	49	P3-20-F	7311518275259	2	
JS-0.6-380	7311518123659	4	49	P3-23-F	7311518275266	2	
JS-0.8-500	7311518123666	4	49	P34-27A-F	7311518275464	2	
JS-1.0-650	7311518123673	4	49	P34-37	7311518002787	2	
AP-1	7311518030117	10	44	P51-F	7311518275426	2	
GP-1	7311518030131	10	44	P51H-SL	7311518301224	2	
010	7314150125821	12	64	P51-SL	7311518301217	2	
-6160-23	7311518041304	1 4	56 52	P5-20-F	7311518275273	2	
G-COIN 19 CM G-COIN 26 CM	7311518031077 7311518333041	4	52 52	P5-23-F P54H-SL-20	7311518275280 7311518301262	2 2	
G-COMBINESS	7311518333041	4 1	52 56	P54H-SL-20 P54H-SL-25	7311518301262 7311518301255	2	
S-MASSE-4	7311518041300	2	50 52	P54-SL-20 P54-SL-20	7311518301235	2	
S-MASSE-4FG	7311518072014	2	52 52	P54-SL-25	7311518301246	2	
S-MASSE-TR-4FG	7311518281106	2	52	P57-25-F	7311518301293	4	
S-MERLIN-2.5	7311518012069	2	51	P57-25-W-F	7311518301309	4	
S-MERLIN-2.5FG	7311518281113	2	51	P59-25-F	7311518275655	5	
S-NATURAL	7311518224622	1	56	P64-20	7311518288174	1	
S-PIERRE CORINDON	7311518009977	30	56	P64-20-BULK12	7311518288204	12	
S-PIERRE-FAUX	7311518009038	1	56	P74	7311518124076	1	
C TDIANCI F	7311518224653	1	56	P75	7311518124083	1	
S-TRIANGLE NCP-2.5-810	7311518124052	2	51	PG-01-F	7311518329334	6	

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R181P         7311518296087         1         23         SH-FCP-860         7311518324421         1         53           R1269P-BULK50         7311518240820         50         13         SH-FCS-810         7311518140540         1         53           R211P         7311518234027         1         12         SH-FCS-860         7311518140657         1         53           R211P-BULK80         7311518252212         80         12         SH-FGS-600         7311518140649         1         53           R214SL         7311518301408         1         23         SH-FGS-700         7311518140666         1         53           R216SL         7311518301408         1         23         SH-FGS-800         7311518140663         1         53           R221P         7311518229412         1         12         SH-HGPS-400FG         731151840663         1         53           R221P-BULK50         7311518240653         50         12         SH-HGPS-400FG         731151840618         1         53           R223P-BULK80         7311518240646         80         12         SH-HGPS-380         731151840625         1         53           R260A         7311518201614         1         23         S								
R1269P-BULK50       7311518240820       50       13       SH-FCS-810       7311518140540       1       53         R211P       7311518234027       1       12       SH-FCS-860       7311518140557       1       53         R211P-BULK80       7311518234027       1       12       SH-FGS-600       7311518140649       1       53         R214SL       7311518301392       1       23       SH-FGS-700       7311518140666       1       53         R216SL       7311518301408       1       23       SH-FGS-800       7311518140663       1       53         R221P       7311518229412       1       12       SH-HFGPS-400FG       73115182828301       1       53         R221P-BULK50       73115182240653       50       12       SH-HGPS-360       7311518140618       1       53         R223P-BULK80       7311518237554       1       12       SH-HGPS-380       7311518140625       1       53         R23P-BULK80       7311518201814       1       23       SH-HGPS-400       7311518207618       1       53         R30OP       7311518234157       1       12       SH-HUS-360       7311518140502       1       53         R318V       731151			1			7311518264901	30	
R211P       7311518234027       1       12       SH-FCS-860       7311518140557       1       53         R211P-BULK80       7311518252212       80       12       SH-FGS-600       7311518140649       1       53         R214SL       7311518301408       1       23       SH-FGS-700       7311518140666       1       53         R216SL       7311518301408       1       23       SH-FGS-800       7311518140663       1       53         R221P       7311518229412       1       12       SH-HGPS-400FG       731151822301       1       53         R221P BULK50       7311518240653       50       12       SH-HGPS-360       7311518140618       1       53         R223P T311518240646       80       12       SH-HGPS-380       7311518140625       1       53         R223P BULK80       7311518240646       80       12       SH-HGPS-400       7311518140525       1       53         R230P T311518234034       1       12       SH-HGPS-400       7311518140502       1       53         R300P T311518234054       1       12       SH-HUS-500       7311518140520       1       53         R318V T31518029500       1       19 & 23       SH-MCS-800 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td></td>							1	
R211P-BULK80       7311518252212       80       12       SH-FGS-600       7311518140649       1       53         R214SL       7311518301392       1       23       SH-FGS-700       7311518140656       1       53         R216SL       7311518301408       1       23       SH-FGS-800       7311518140663       1       53         R221P       7311518229412       1       12       SH-HGFS-800       7311518282301       1       53         R221P-BULK50       7311518240653       50       12       SH-HGPS-360       7311518140618       1       53         R223P       7311518237554       1       12       SH-HGPS-380       7311518140625       1       53         R223P-BULK80       7311518240646       80       12       SH-HGPS-300       7311518207618       1       53         R260A       7311518201814       1       23       SH-HUS-380       7311518140502       1       53         R30P       7311518234034       1       12       SH-HUS-500       7311518140509       1       53         R318V       7311518234157       1       12       SH-HUS-650       7311518140509       1       53         R328V       7311518296056							1	
R214SL       7311518301392       1       23       SH-FGS-700       7311518140656       1       53         R216SL       7311518301408       1       23       SH-FGS-800       7311518140663       1       53         R221P       7311518229412       1       12       SH-HFGPS-400FG       7311518282301       1       53         R221P-BULK50       7311518240653       50       12       SH-HGPS-360       73115181440618       1       53         R223P       7311518237554       1       12       SH-HGPS-380       7311518140625       1       53         R223P-BULK80       7311518240646       80       12       SH-HGPS-380       7311518207618       1       53         R260A       7311518201814       1       23       SH-HGPS-400       7311518207618       1       53         R300P       7311518234034       1       12       SH-HUS-380       7311518140502       1       53         R318V       7311518234157       1       12       SH-HUS-500       7311518140595       1       53         R328V       7311518296056       1       23       SH-MCS-800       7311518140595       1       53         R337E       7311518011529 <t< td=""><td></td><td></td><td></td><td></td><td>1</td><td></td><td>1</td><td></td></t<>					1		1	
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R221P-BULK50       7311518240653       50       12       SH-HGPS-360       7311518140618       1       53         R223P       7311518237554       1       12       SH-HGPS-380       7311518140625       1       53         R223P-BULK80       7311518240646       80       12       SH-HGPS-400       7311518207618       1       53         R260A       7311518201814       1       23       SH-HUS-380       7311518140502       1       53         R300P       7311518234034       1       12       SH-HUS-500       7311518140519       1       53         R303P       7311518234157       1       12       SH-HUS-650       7311518140526       1       53         R318V       7311518029500       1       19 & 23       SH-MCS-800       7311518140595       1       53         R328V       7311518296056       1       23       SH-MES-900       731151820601       1       53         R337E       7311518011529       1       13       SH-MES-900FG       731151814554       1       53         R372H       7311518235406       18       23       SH-SUS-800       7311518140809       1       53         R380A       7311518000666			1		1	7311518140663	1	53
R223P     7311518237554     1     12     SH-HGPS-380     7311518140625     1     53       R223P-BULK80     7311518240646     80     12     SH-HGPS-400     7311518207618     1     53       R260A     7311518201814     1     23     SH-HUS-380     7311518140502     1     53       R300P     7311518234034     1     12     SH-HUS-360     7311518140519     1     53       R303P     7311518234157     1     12     SH-HUS-650     7311518140526     1     53       R318V     7311518029500     1     19 & 23     SH-MCS-800     7311518140595     1     53       R328V     7311518296056     1     23     SH-MES-900     7311518140601     1     53       R337E     7311518011529     1     13     SH-MES-900FG     7311518282318     1     53       R341P     7311518235406     18     23     SH-SUS-800     7311518140809     1     53       R380A     7311518000666     1     23     SL25L     7314150256570     10     65       R403P     7311518234164     1     12     SLX17     7314153015785     1     65					1		1	
R223P-BULK80       7311518240646       80       12       SH-HGPS-400       7311518207618       1       53         R260A       7311518201814       1       23       SH-HUS-380       7311518140502       1       53         R300P       7311518234034       1       12       SH-HUS-500       7311518140519       1       53         R303P       7311518234157       1       12       SH-HUS-650       7311518140526       1       53         R318V       7311518029500       1       19 & 23       SH-MCS-800       7311518140595       1       53         R328V       7311518296056       1       23       SH-MES-900       7311518140601       1       53         R337E       7311518011529       1       13       SH-MES-900FG       7311518282318       1       53         R341P       7311518235406       18       23       SH-SUS-800       7311518140809       1       53         R380A       7311518000666       1       23       SL25L       7314150256570       10       65         R403P       7311518234164       1       12       SLX17       7314153015785       1       65					1		1	
R260A         7311518201814         1         23         SH-HUS-380         7311518140502         1         53           R300P         7311518234034         1         12         SH-HUS-500         7311518140519         1         53           R303P         7311518234157         1         12         SH-HUS-650         7311518140526         1         53           R318V         7311518029500         1         19 & 23         SH-MCS-800         7311518140595         1         53           R328V         7311518296056         1         23         SH-MES-900         7311518140601         1         53           R337E         7311518011529         1         34         SH-MES-900FG         7311518282318         1         53           R341P         7311518235406         18         23         SH-SUS-800         7311518140809         1         53           R380A         7311518000666         1         23         SL25L         7314150256570         10         65           R403P         7311518234164         1         12         SLX 17         7314153015785         1         65							1	
R300P       7311518234034       1       12       SH-HUS-500       7311518140519       1       53         R303P       7311518234157       1       12       SH-HUS-650       7311518140526       1       53         R318V       7311518029500       1       19 & 23       SH-MCS-800       7311518140595       1       53         R328V       7311518296056       1       23       SH-MES-900       7311518140601       1       53         R337E       7311518011598       1       34       SH-MES-900FG       7311518282318       1       53         R341P       7311518011529       1       13       SH-MES-F-900       7311518141554       1       53         R372H       7311518235406       18       23       SH-SUS-800       7311518140809       1       53         R380A       731151800066       1       23       SL25L       7314150256570       10       65         R403P       7311518234164       1       12       SLX 17       7314153015785       1       65					1		1	
R303P       7311518234157       1       12       SH-HUS-650       7311518140526       1       53         R318V       7311518029500       1       19 & 23       SH-MCS-800       7311518140595       1       53         R328V       7311518296056       1       23       SH-MES-900       7311518140601       1       53         R337E       7311518011598       1       34       SH-MES-900FG       7311518282318       1       53         R341P       7311518011529       1       13       SH-MES-F-900       7311518141554       1       53         R372H       7311518235406       18       23       SH-SUS-800       7311518140809       1       53         R380A       7311518000066       1       23       SL25L       7314150256570       10       65         R403P       7311518234164       1       12       SLX 17       7314153015785       1       65	R300P	7311518234034	1	12	1		1	53
R328V     7311518296056     1     23     SH-MES-900     7311518140601     1     53       R337E     7311518011598     1     34     SH-MES-900FG     7311518282318     1     53       R341P     7311518011529     1     13     SH-MES-F-900     7311518141554     1     53       R372H     7311518235406     18     23     SH-SUS-800     7311518140809     1     53       R380A     7311518000066     1     23     SL25L     7314150256570     10     65       R403P     7311518234164     1     12     SLX 17     7314153015785     1     65	R303P	7311518234157	1	12			1	53
R337E     7311518011598     1     34     SH-MES-900FG     7311518282318     1     53       R341P     7311518011529     1     13     SH-MES-F-900     7311518141554     1     53       R372H     7311518235406     18     23     SH-SUS-800     7311518140809     1     53       R380A     7311518000066     1     23     SL25L     7314150256570     10     65       R403P     7311518234164     1     12     SLX 17     7314153015785     1     65			1		1		1	
R341P     7311518011529     1     13     SH-MES-F-900     7311518141554     1     53       R372H     7311518235406     18     23     SH-SUS-800     7311518140809     1     53       R380A     7311518000066     1     23     SL25L     7314150256570     10     65       R403P     7311518234164     1     12     SLX 17     7314153015785     1     65			1		1		1	
R372H     7311518235406     18     23     SH-SUS-800     7311518140809     1     53       R380A     7311518000066     1     23     SL25L     7314150256570     10     65       R403P     7311518234164     1     12     SLX 17     7314153015785     1     65			1		1		1	
R380A 7311518000066 1 23 SL25L 7314150256570 10 65 R403P 7311518234164 1 12 SLX 17 7314153015785 1 65			-				1	
	R380A	7311518000066	1	23	SL25L	7314150256570	10	65
N410V /311518243241 1 23 SUZ150003 /3141530134// 6 66					1		1	
	N413V	1311318243241	I	23	3UZ10UUU3	73141330134/7	σ	ю

	EAN				EAN		
SQZ150003-HSBL	7314153015389	1	66	3875-RL1	7314150194780	1	61
SUS-2.0-800	7311518123451	2	51	3875-WL1	7314150191291	8	61
W-S-1.5 W-S-2.0	7311518140816	4 4	52 52	396-BLADE-1P 396-HP	7311518330613 7311518152284	1 4	31 29
W-S-2.0 W-S-2.5	7311518140823 7311518140830	4	52 52	396-HP-BLADE	7311518156404	1	31
W-T-2.0	7311518140847	4	52	396-JS	7311518223250	4	28
10-21-51	7311518229344	5	37	396-JS-BLADE	7311518223267	1 4	31
10-24-23 10-24-51	7311518229368 7311518229351	5 5	37 37	396-JT 396-JT-BLADE	7311518168056 7311518168063	4 1	27 31
10-30-23	7311518229382	5	37	396-LAP	7311518172367	10	29
10-30-51	7311518229375	5	37	4124-JT-H	7311518267803	4 4	27 27
1446 1470K5	7314150128631 7314150136162	15 1	44 67	4128-JT-H 4-153-08-1-2	7311518267810 7311518000707	4 5	27 55
1475K8PC	7314150182923	2	67	4211-11-6T	7311518152000	4	30
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1475K8PDG 1475K8PEV	7314150183302 7314150182947	2 2	67 67	4212-11-6T 4212-14-6T	7311518002060 7311518002077	4 4	30 30
1475K8PSP	7314150183357	2	67	4-272-05-3-2	7311518201500	5	55
1475K8PJJ	7314150182961	2	67	4-272-06-3-2	7311518001025	5	55
1475K8PAW 1475K8PSV	7314150182978	2 1	67 67	439000000 43900001	8413345129282 7314150268788	1 1	61 61
1520 D	7314150186952 7311518278922	1 5	62	4400-11	7311518200596	10	31
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166-6-16-2.5-2	7311518209698	5	55	4400-14 4400-14-BULK	7311518200602 7311518200640	10 10	31 31
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168-6-3.2-3P	7311518152413	12	54	4420-11-BULK	7311518200657	10	31
168-6-3.5-1P	7311518152345	12	54	4420-14 4420-14-BULK	7311518200626 7311518200664	10 10	31 31
168-6-3.5-3P 168-8-4.0-1P	7311518152420 7311518152352	12 12	54 54	466-800	7314150128310	4	63
168-8-4.0-3P	7311518152437	12	54 54	4724-JT	7311518265847	1	31
168-8-4.0-6	7311518217419	6	54	4728-JT 4750-2PP-1	7311518265854 7314153014733	1	31 59
168-8-4.5-1P	7311518152369	12	54	4750-4750-HDB-2	7314150289486	1	59 59
168-8-4.5-3P 168-8-4.5-6	7311518152444 7311518217426	12 6	54 54	4750-KNHO-0	7314150289462	1	59
168-8-4.8-1P	7311518152376	12	54	4750-KNH0-1	7314153015839	1	59
168-8-4.8-3P	7311518152451	12	54	4750-MPH-1 484-1250	7314150291625 7311518005139	4	60 62
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168-8-6.3-1P	7311518152406	12	54	51-32 51-36	7311518003937 7311518003944	10 10	36 36
168-8-6.3-3P 168-COMBI-4.0	7311518152482 7311518209667	12	54 54	5724-JS	7311518216085	1	31
168-COMBI-4.8	7311518209674	1	54 54	5728-JS	7311518216092	1	31 65
168-COMBI-5.5	7311518209681	1	54	59S/31-1 7823	7314150191451 7314150218141	12 16	65 65
168-COMBI-4.0-6922	7311518209612	1	54 54	808050P	7314150128105	50	64
168-COMBI-4.8-6920 168-COMBI-5.5-6924	7311518209643 7311518209650	1	54 54	8224	7314150000012	5	62
2303H0000	8413345091466	6	63	8224CIP 8224IP	7314150103607 7314150101757	5 5	62 62
23-15	7311518274665	10	36	9210	7311518278182	1	18
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386-6T	7311518052053	4	31	9-466-C-1P	7311518209605	10	55
3875-LY1	7314150191253	8	61	9571	7314150178582	5	62
3875-LY2 3875-LY3	7314150191260 7314150191284	8 8	61 61	9574-200 960100030	7314150138197 8413345031097	10 1	63 67
3070 LIV	7017100131204	U	O1	000100000	0-100T0001001	'	OI.



