

FASTENING SOLUTIONS FOR GROWERS



ARAYMOND AGRICULTURE

Smart and Innovative solutions for growers.

Created for growers, **our innovative solutions for the Horticulture and Tree Nursery sectors** are designed to **increase overall production yield**.

At ARaymond Agriculture, we **believe in working together with growers** in order to tailor our services to best meet their needs.



GREENHOUSE CLIPS

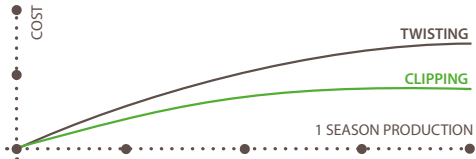
Avoid plant damage



Greenhouse clips help provide a safer and more stable crop for the grower by:

- Reducing weight pressure for heavy plants.
- Enabling better fruit production.
- Providing an easier and faster way to guide growing plants.

Decrease labor costs

ARaymond clips are designed to be the fastest and easiest to place clips on the market. Their innovative design help growers decrease labor costs by reducing installation time.



FOR CUCUMBERS		 NEW
QUANTITY PER BOX	★★★★★	★★★★★
FAST POSITIONING	★★★★★	★★★★★
PROTECTIVE DESIGN	★★★★★	★★★★★
LIGHTWEIGHT	★★★★★	★★★★★
BIO OPTION AVAILABLE	YES	NO

FOR TOMATOES & PEPPERS			
QUANTITY PER BOX	★★★★★	★★★★★	★★★★★
FAST POSITIONING	★★★★★	★★★★★	★★★★★
PROTECTIVE DESIGN	★★★★★	★★★★★	★★★★★
TWINE RETENTION	★★★★★	★★★★★	★★★★★
LIGHT PATH	★★★★★	★★★★★	★★★★★
BIO OPTION AVAILABLE	YES	NO	YES



CLASSIC CLIP 21S
Optimized air circulation



EASY CLIP 23mm
Light & robust structure



ERGO CLIP 14,5mm
Ergonomic semi-closed design



EASY CLIP 14mm
Twine retention

ERGO CLIP 14,5mm

NEW



Launched in 2013, the Ergo Clip has become one of ARaymond's most popular and bestselling products, recognised for its quality and for its ability to reduce labor costs.

Designed specifically for the cucumber market, the innovative 14,5mm Ergo Clip fastening system is ideal for the production of delicate plants within a greenhouse setting as it reduces damage and maximizes plant growth.

A proven success with vegetable growers and distributors across the world, ARaymond recently decided to review the Ergo Clip to make the product even easier to use.

Enhanced ergonomic design

The new Ergo Clip was conceived by ARaymond's Innovation and Development department and features an enhanced ergonomic semi-closed design which will enable growers to install clips quickly and easily.

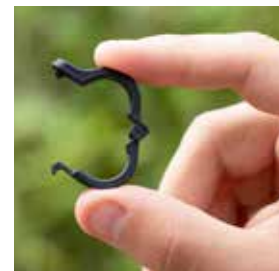
A value-added solution, the new Ergo Clip will also help producers reduce labor costs and maximise their yields by reducing installation time in the greenhouse as it can be clipped with just two fingers.

With a focus on quality and reducing installation time, the Ergo Clip's new design is optimized to ensure fast and safe clipping for the grower whilst meeting all the requirements of an ever-evolving production environment.

Optimum protection

Already one of the safest clips on the market, the new Ergo Clip comes with a brand-new closing system which is straightforward to fix and remove, thereby protecting young plants from damage during the installation and growth stages.

Designed specifically for use with delicate plants, the high-quality reinforcement offers optimum protection and emits an audible click once locked, making it easier to check positioning on the plant stem.



Fully versatile

Key features of the new Ergo Clip design are the redesigned hinge mechanism and the innovative new internal structure.

Fully reinforced, the new hinge improves twine retention and supports more weight than the original Ergo Clip while the new internal structure improves the closing system giving the clips more versatility when used with leaves or branches.

Every detail counts

Rigid and robust, air holes within the new Ergo Clip are set in a triangular structure for maximum light and air exposure to avoid fusarium and botrytis in the greenhouse.



These air holes also increase the clip's resistance and will ensure streamlined shipping to ARaymond's customers.

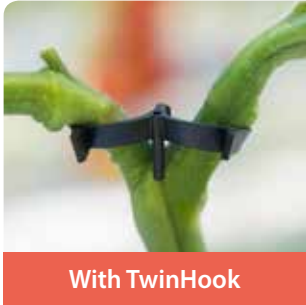
GREENHOUSE SUPPORTS

Plant health equals productivity

ARaymond's Innovation and Development department has developed two different truss supports in order to support tomato plants and improve field performance by increasing productivity.

- **Protection against breakages** caused by the excess weight of plants.
- **Maximum productivity** for each plant.
- **Easy and fast installation.**
- Eliminate weakness and damage whilst **reducing the risk of disease.**
- **One-size-fits-all design.**

	 FlexTruss FOR THE BASE OF THE PLANT	 TwinHook FOR BRANCHES
QUANTITY PER BOX	★★★★★	★★★★★
FLEXIBILITY	★★★★★	★★★★★
SELF-ADAPTIVE	★★★★★	★★★★★
BIO OPTION AVAILABLE	YES	YES



TWINHOOK
Stabilisation

FLEXTRUSS
Less forcing of stems

GREENHOUSE HOOKS

Designed to be safe, flexible and easy to place

ARaymond's greenhouse hooks are designed to meet our grower's requirements:




- 'Anti jump" system.
- Reinforced structures to hold the plant's weight.
- Smooth twine release methods.
- Easy to place and remove.

Essential twine release

ARaymond offers different types of twine release to adapt to each grower's needs:

- ReelHook "push release" system.
- Free fall system available.
- Twine available in different sizes to meet grower's needs.
- Available in BIO and PP.

REELHOOK ▶
Innovative twine release system

FOR TOMATOES & PEPPERS			
			
	Classic Hook	ReelHook	RayHook
WEIGHT RESISTANCE	★★★★★	★★★★★	★★★★★
TWINE RELEASE	★★★★★	★★★★★	★★★★★
LIGHT PATH	★★★★★	★★★★★	★★★★★
ANTI JUMP	★★★★★	★★★★★	★★★★★
ADAPTABLE LENGTH	YES	YES	YES
BIO TWINE AVAILABLE	YES	YES	YES

CLASSIC HOOK ▶
Easy to place

RAYHOOK ▶
Super resistant structure

TESTIMONIAL REELHOOKS

“ReelHook offers excellent level of safety & ergonomics. Magí Pié”

Based in Bonastre in the Catalonia region of north-eastern Spain, Magí Pié the owner and director of Cal Magí has over 20 years' experience in hydroponic greenhouse cultivation.

Dedicated to the production of high-quality tomatoes and cucumbers for high-end restaurants and specialty shops throughout the region, Cal Magí specialises in growing a large variety of crops using natural methods of cultivation which are certified and controlled by the Catalan Council of Integrated Production.



Excellent levels of safety during the whole lifecycle

He states: "Here at Cal Magí, we grow a wide variety of crops including the larger Beefsteak, Raf and Montserrat tomatoes. Our plants are heavier than the crops traditionally grown in other countries so we need a stronger support system than that offered by the classic greenhouse hooks in order to avoid damaging or breaking our plants.

The ARaymond ReelHooks offer an excellent level of safety as the anti-fall twine release system prevents our crops from falling during the plant lifecycle. Its lock system also prevents the hook from jumping off the wire which is very important for us."



Practical solution to decrease labor time and costs

Mr Pié also noted the increased practicality of the ARaymond ReelHook highlighting the ease of installation for his workers.

He added: "I find the ReelHooks to be a very functional solution for Cal Magí as **they are very simple to install and unwind.** The ergonomic design helps my workers to hold less weight and they are able to hang the hooks quickly and easily which in turn **decreases my labor time and costs.**

As a grower, my main concerns are to ensure optimum growing conditions for my crops and the ARaymond ReelHooks provide me with this added security."



Easier and faster



ARaymond's new solutions for tree nurseries are designed to decrease labor costs and improve field performance.

- **Intuitive design for faster installation.**
- **Reusable products** made of the best materials.
- **Decreased labor costs** and product quantities used in the field.

Innovation in tree tension

ARaymond's Innovation and Development department has developed an innovative and eco-friendly material which doesn't cause damage to tree trunks and which increases the lifecycle of the fastening system.

- **Lifecycle of over 4 years.**
- **Savings** in product volume.
- Better final product quality with **no damage to tree trunks.**
- The **most resistant and easy to install** solutions.

	FOR NUT, OLIVE & ORNAMENTAL TREES	
	 Orbit TREE TUTORING	 Agilo WIND PROTECTION
LIFECYCLE	★★★★★	★★★★★★
REUSABLE	★★★★★★	★★★★★★
SELF-ADAPTIVE	★★★★★★	★★★★★★



AGILO ►
Wind protection



ORBIT ►
Tree tutoring



TREE NURSERIES

WIND TENSION / AGILO

Instructions for use

Installation

Place the serrated surface onto the metal wire and close it with both hands.

Once the wire is under tension, use the strap to move the Agilo around the tree trunk before fixing it in place.

Thanks to its innovative design, the Agilo provides an effective and safe solution for securing wires with no pressure on the tree trunk.

Tree adaptation

The Agilo's strap has been designed to ensure optimal closing without putting any pressure on the tree trunk.

This system allows the grower to attach the strap securely without damaging the tree and with no risk of the Agilo reopening.

To remove the Agilo, simply push up the front clip to open the fastening system.

Environmentally friendly

With respect for the environment at the core of ARaymond's company values, our Innovation and Development team have developed the Agilo using recycled materials which allow the fastening system to be reused multiple times during its lifespan with no loss of performance.

[UV Protected]
RESISTANT TO EXTREME
WEATHER CONDITIONS



FEATURES & BENEFITS



	Agilo	Basic solution
LIFECYCLE	★★★★★	★★★★★
TREE CARE	★★★★★	★★★★★
UNSKILLED EMPLOYEES	★★★★★	★★★★★
POSSIBILITY TO ADAPT	★★★★★	★★★★★
TIME TO SET (AVG.)	★★★★★	★★★★★
LABOR COSTS SAVINGS	★★★★★	★★★★★
ENVIRONMENTAL FRIENDLY	★★★★★	★★★★★
REUSABLE	★★★★★	★★★★★

TREE NURSERIES

TREE TUTORING / ORBIT

Instructions for use

Installation

Place the Orbit hook on the bamboo tutor stick. This ensures the bamboo stick has the proper grip for correct usage. The ribbed belt ensures that the bamboo hook will stay in place. To fix in place, stretch the strip until you reach the knot.



Tree adaptation

ARaymond Agriculture offers two different lengths in order to ensure the product adapts to each growth stage. Depending on the size of the tree, one or two turns may be required. The Orbit can also be adjusted to adapt to new tree growth by using the additional holes in the strip. It is not necessary to cut/remove the product during the adjustments.



Environmental care

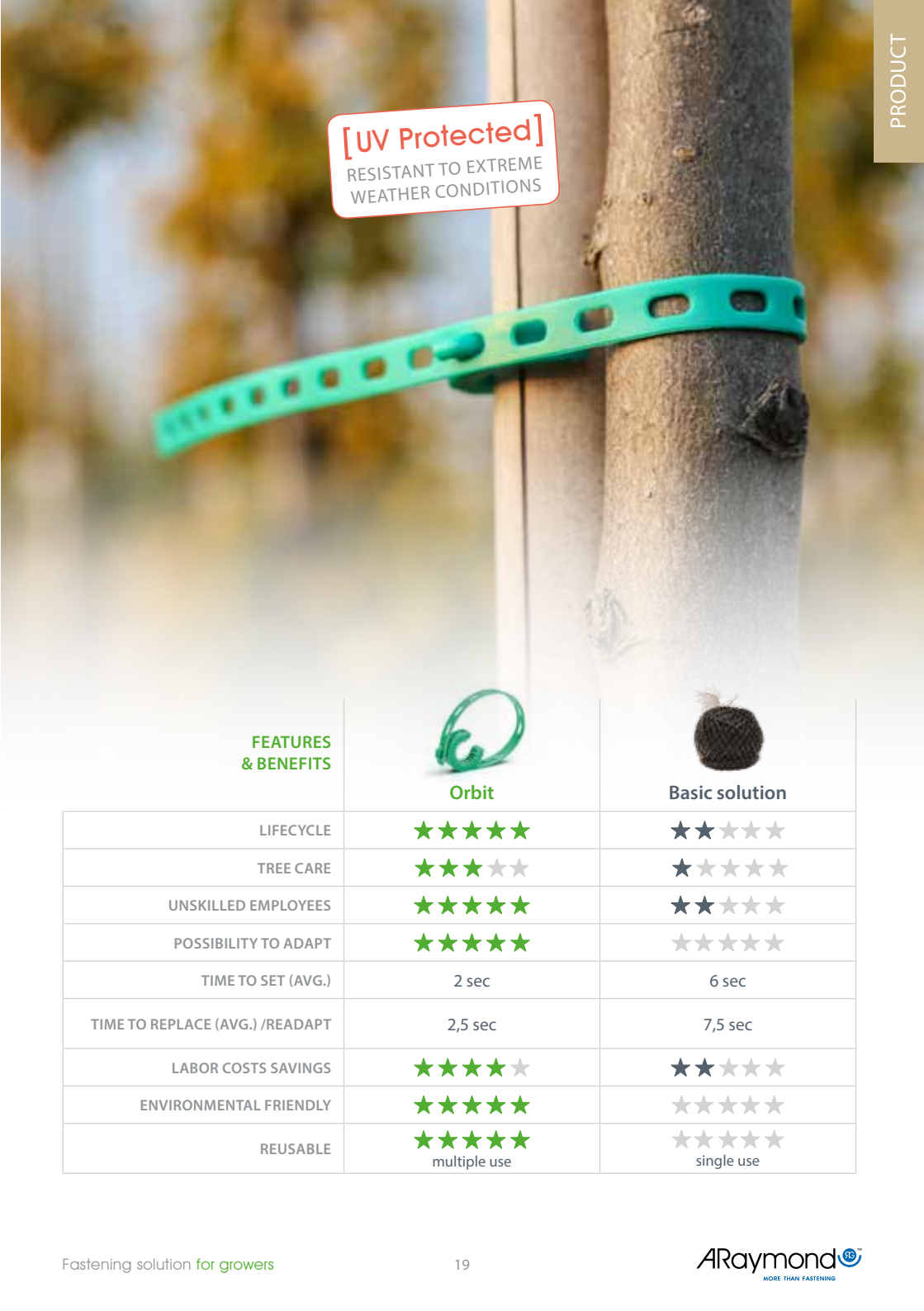
After use, each Orbit product can be removed and stored for future usage. The Orbit from ARaymond is an environmentally friendly solution which keeps your soil free of plastic waste.



TECHNICAL CHARACTERISTICS	Bamboo size	Tree size
LONG VERSION	15mm - 30mm	2mm - 100mm
SHORT VERSION	15mm - 30mm	2mm - 40mm

MATERIAL

- Brown: High Flex
- Green: Medium Flex
- Black: Regular Flex



[UV Protected]
RESISTANT TO EXTREME
WEATHER CONDITIONS

FEATURES & BENEFITS	Orbit	Basic solution
LIFECYCLE	★★★★★	★★★★★
TREE CARE	★★★★★	★★★★★
UNSKILLED EMPLOYEES	★★★★★	★★★★★
POSSIBILITY TO ADAPT	★★★★★	★★★★★
TIME TO SET (AVG.)	2 sec	6 sec
TIME TO REPLACE (AVG.) / READAPT	2,5 sec	7,5 sec
LABOR COSTS SAVINGS	★★★★★	★★★★★
ENVIRONMENTAL FRIENDLY	★★★★★	★★★★★
REUSABLE	★★★★★ multiple use	★★★★★ single use

TESTIMONIAL / ORBIT

“Orbit fasteners are the fastest, most reliable and economical solution. Oriol Sullà”



ARAYMOND:

Mr Sullà, can you tell us which types of crops you use the Orbit fastening system with and why?

Oriol Sullà: I have been using the Orbit fasteners with olive, almond and ornamental trees. I chose to use the Orbit fasteners with the olive and almond trees because it is a much faster, reliable and economical long-term solution than the systems currently available on the market. For the almond trees, I chose to use the Orbit system because of its solid fastening design and flexibility which is important as almonds are typically very strong trees.

ARAYMOND:

What are the key benefits to using the Orbit fastening system?

Oriol Sullà: I believe that the Orbit is a complete fastening system. With regards to ornamental tree production, the Orbit fasteners enable me to save increase productivity and reduce costs as I only need to purchase new products every 4 years. Additionally, I like the innovative design of the flexible strips as they don't mark the delicate trunks of my saplings thereby increasing the market value of the trees.

ARAYMOND:

Will you continue to use the Orbit fasteners for your next production period?

Oriol Sullà: Yes, of course. My aim is to recycle the Orbit fasteners I have already installed. Thanks to their sturdy design and resistance to the elements, I am confident I will be able to reuse the Orbit system for up to 5 production cycles.

ENVIRONMENT COMMITMENT

Environmental Commitment

ARaymond Agriculture is committed to developing innovative new products by investing in the research and development of materials which respect both terrestrial and marine ecosystems.

All ARaymond Agriculture products adhere to the very highest standards of quality in terms of material properties and production. Additionally, all ARaymond solutions can be recovered and reused during multiple production cycles.

At ARaymond Agriculture, we believe in the importance of developing sustainable agriculture as a response to all the critical environmental problems which the world is facing today. We believe that responsible agriculture and the development of sustainable and recyclable products are crucial for both the agricultural sector and society.

100% of our plastic solutions are made from recycled materials

In keeping with ARaymond Agriculture's environmental commitment strategy, all our plastic parts are made from recycled plastics of the very highest quality.

By reusing single-use plastic products to produce new fastening solutions, our aim is to preserve resources and energy whilst substantially reducing the amount of plastic waste damaging our ecosystem. The composition of these plastics together with optimal assembly line quality control ensures ARaymond solutions offer the very highest quality standards on the market today.

BIO certifications

ARaymond Agriculture holds NF EN 14995 certification for all its BIO solutions which guarantees that our BIO material and all BIO parts are fully biodegradable and compostable.

Storage conditions for BIO material

- Store boxes in a cool dry place.
- Avoid direct exposure to sun or heat sources.
- Place in warm conditions for 24 hours before use.



PACKAGING CONDITIONS

Product name	Description	Diameter	Color	Material	Bio	Parts / box	Box size (cm)
EASY CLIP 14	CPB14 CBN 14 (bio)	14mm	Black / White	PP/ BIO	YES	17 000	58x40x38
ERGO CLIP 14,5	EPB14,5	14,5mm	Black	PP	-	16 000	58x40x38
CLASSIC CLIP 21S	CPB21S CBN21S (bio)	21mm	Black / White	PP / BIO	YES	10 500	58x40x38
EASY CLIP 23	CPB23 CBN23(bio)	23mm	Black/White	PP / BIO	YES	13 000	58x40x38
EASY CLIP 26	CPB26 CBN26 (bio)	26mm	Black / White	PP / BIO	YES	7 500	58x40x38
FLEXTRUSS	TPB6 TBN56 (bio)	6mm	Black / White	PP/ BIO	YES	19 000	58x40x38
TWINHOOK	THPB17 HBN20 (bio)	17mm	Black / White	PP / BIO	YES	5 500	58x40x38
CLASSIC HOOK	PPB 1200 PPW 900 / 1200	-	Metallic	Metal	YES	500 units	58x39x20
REEL HOOK	PPB 1200 PPW1200	-	Metallic	Metal	YES	450 units	58x39x20
RAY HOOK	PPB1200 PPW1200	-	Black	PP	YES	320 units	58x39x20
AGILO	AGILO	-	Black	PP	NO	80 units	58x39x20
ORBIT LONG	ORBIT LONG F.	-	Black / Brown / Green	PP	NO	1 300	58x39x20
ORBIT SHORT	ORBIT SHORT F.	-	Black / Brown / Green	PP	NO	1 680	58x39x20

Pallet information

	Boxes per pallet		N° of pallets per truck	N° of pallets per container	
	Truck	Groupage		20'	40'
CLIPS & SUPPORTS	24 boxes	20 boxes	32 pallets	11 pallets	24 pallets
GREENHOUSE HOOKS	40 boxes	32 boxes	32 pallets	11 pallets	24 pallets
TREE NURSERIES	40 boxes	32 boxes	32 pallets	11 pallets	24 pallets

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