

ARaymond®

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

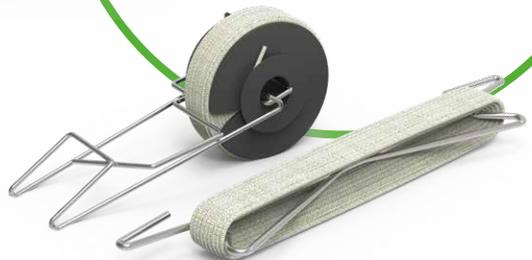


GREENHOUSE SUPPORTS



HORTICULTURE

GREENHOUSE HOOKS





WIND TENSION

TREE NURSERIES



GRASS SOLUTION



TREE TUTORING

GREENHOUSE CLIPS

Avoid plant damage

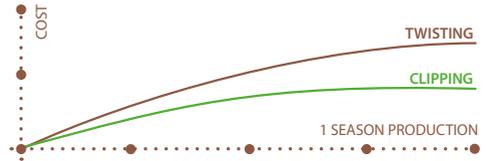
Greenhouse clips help provide a safer and more stable crop for the grower by:

- 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.



	 <small>AVAILABLE IN BIO MATERIAL</small> Easy Clip 14mm	 Ergo Clip 14,5mm
FOR CUCUMBERS 		
QUANTITY PER BOX	★★★★★	★★★★★
FAST POSITIONING	★★★☆☆	★★★★★
PROTECTIVE DESIGN	★★★★★	★★★★★
LIGHTWEIGHT	★★★★★	★★★★☆
BIO OPTION AVAILABLE	YES	NO

	 <small>AVAILABLE IN BIO MATERIAL</small> Classic Clip 21S	 Easy Clip 23mm	 <small>AVAILABLE IN BIO MATERIAL</small> Easy Clip 26mm
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

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 BRANCHES



TwinHook
FOR THE BASE OF THE PLANT

QUANTITY PER BOX	★★★★★	★★★★★
FLEXIBILITY	★★★★★	★★★★★
SELF-ADAPTIVE	★★★★★	★★★★★
BIO OPTION AVAILABLE	YES	YES



Without TwinHook



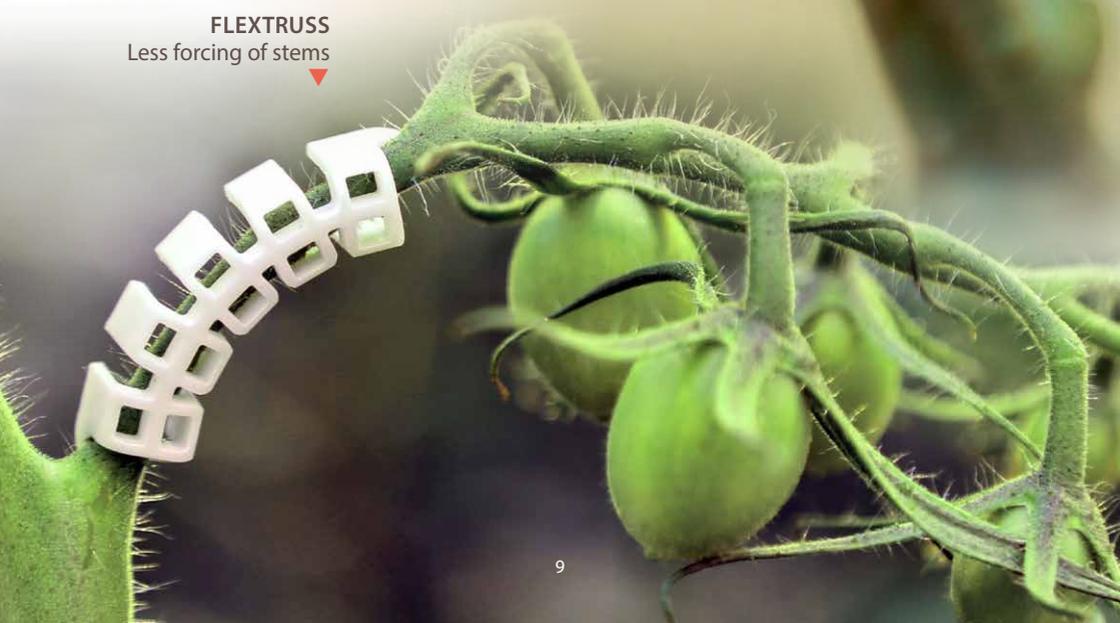
With TwinHook

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.

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

REELHOOK ▶
Innovative twine release system



RAYHOOK ▶
Super resistant structure



GREENHOUSE HOOKS

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."

TREE NURSERIES

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 nurseries

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



Orbdisk
GRASS SOLUTION

	Orbit TREE TUTORING	Agilo WIND PROTECTION	Orbdisk GRASS SOLUTION
LIFECYCLE	★★★★★	★★★★★	★★★★★
REUSABLE	★★★★★	★★★★★	★★★★★
SELF-ADAPTIVE	★★★★★	★★★★★	★★★★★

AGILO ▶
Wind protection



ORBDISK ▶
Grass solution



ORBIT ▶
Tree tutoring



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.





FEATURES & BENEFITS



Agilo



Basic solution

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

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

TREE NURSERIES

GRASS SOLUTION CUSTOM ORBDISK

We are able to customize the products to the needs of each client, offering a 100% adapted solution.

Instructions for use

Installation

Open the Orbdisk and place it around the base of the trunk. Make sure that the Orbdisk remains plane/flat on the ground and that the two ends of the Orbdisk come together to achieve an optimal suction effect.

Product performance

The Orbdisk is made of a special compound that creates a suction cup effect with the ground, preventing light from passing through, in this way the Orbdisk manages to prevent grass from growing under the solution.

Product specifications

Thanks to its innovative material, the Orbdisk has a lifetime of approximately 4 years.

In addition, the Orbdisk is protected against UV rays and extreme temperatures, both high and low. In addition, the Orbdisk size can be adapted according to the size of the trees of each tree grower.

The internal and external diameter measurements can be modified according to the grower requirements to adapt to the size of their trees.



FEATURES & BENEFITS	 Orbdisk	 Chemicals	 Coconut Disk
WEED CONTROL	★★★★★	★★★★★	★★★★★
TREE CARE	★★★★★	★★★★★	★★★★★
REUSABLE	★★★★★	★★★★★	★★★★★
LABOR SAVINGS	★★★★★	★★★★★	★★★★★
LIFECYCLE	★★★★★	★★★★★	★★★★★

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 EN13432 certification for our BIO solutions which guarantees that our BIO material and all BIO parts are fully biodegradable and compostable.

> Validity of the certificate from 28 October 2022 till 04 October 2027

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

EASY CLIP 14



Ref. 243976 000 / PP
 Ref. 249670 001 / BIO
 Ø 14 mm
 ● ○
 17 000 Parts / box
 Box size 58x40x38 cm

ERGO CLIP 14,5



Ref. 252059 000 / PP
 Ø 14,5 mm
 ●
 16 000 Parts / box
 Box size 58x40x38 cm

CLASSIC CLIP 21S



Ref. 249444 000 / PP
 Ref. 249444 001 / BIO
 Ø 21 mm
 ● ○
 10 500 Parts / box
 Box size 58x40x38 cm

EASY CLIP 23



Ref. 228795 000 / PP
 Ø 23 mm
 ●
 13 000 Parts / box
 Box size 58x40x38 cm

EASY CLIP 26



Ref. 249671 000 / PP
 Ref. 249671 001 / BIO
 Ø 26 mm
 ● ○
 7 500 Parts / box
 Box size 58x40x38 cm

FLEXTRUSS



Ref. 223088 000 / PP
 Ref. 249558 001 / BIO
 Ø 6 mm
 ● ○
 19 000 Parts / box
 Box size 58x40x38 cm

TWINHOOK



Ref. 232893 000 / PP
 Ref. 249685 001 / BIO
 Ø 17 mm
 ● ○
 5 500 Parts / box
 Box size 58x40x38 cm

CLASSIC HOOK



Ref. 260990 000
METAL
 500 Parts / box
 Box size 58x39x20 cm
 Tread* : PP or BIO

REEL HOOK



Ref. 226701 001
METAL + PP
 Ø 6 mm
 450 Parts / box
 Box size 58x39x20 cm
 Tread* : PP or BIO

RAY HOOK



Ref. 224110 000 / PP
 ●
 320 Parts / box
 Box size 58x39x20 cm
 Tread* : PP or BIO

AGILO LONG



Ref. 249363 000 / PVC
 ● ●
 100 Parts / box
 Box size 58x39x20 cm

AGILO SHORT



Ref. 256816 000 / PVC
 ● ●
 120 Parts / box
 Box size 58x39x20 cm

ORBIT LONG



Ref. 244477 003 / PVC
 ● ● ●
 1 200 Parts / box
 Box size 58x39x20 cm

ORBIT SHORT



Ref. 250967 003 / PVC
 ● ● ●
 1 680 Parts / box
 Box size 58x39x20 cm

ORBDISK



Ref. 260184 000
RUBBER
 ●
 900 Parts / Pallet
 Pallet

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

* Parts/Box: Depends on the length

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