

# **PLATIPUS** TREE ANCHORING SYSTEMS



TENDER TEXT

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### **AutoCad Drawings**

We are committed to providing our customers with effective products and solutions, together with unrivalled service and support. As part of this commitment, we can now offer **AutoCad drawings** of our tree anchoring systems. This will enable you to choose the correct Platipus products and incorporate them directly into your own designs and specifications. These can be easily requested by registering online at **[www.platipus-anchors.com](http://www.platipus-anchors.com)**

## Platipus Rootball Fixing Systems with Plati-Mat

**RF0P:** **Platipus** below ground Tree Anchoring Rootball Fixing System with **Platipus** Percussion Driven Earth Anchors and Plati-Mat for trees up to 2.5m in height with a circumference up to 12cm consisting of:

- 3 x Rootball protection Plati-Mats with wire reinforcing
- 3 x S21 anchors with galvanised wire rope tendons
- 1 x 2-way ratchet tensioner with 2m galvanised wire rope

System to be supplied by:

**Platipus Anchors Ltd**, Kingsfield Business Centre, Philanthropic Road, Redhill, Surrey, RH1 4DP, UK.

**Tel:** (+44) 1737 762300 **E:** info@platipus-anchors.com

**Web:** www.platipus-anchors.com



**RF1P:** **Platipus** below ground Tree Anchoring Rootball Fixing System with **Platipus** Percussion Driven Earth Anchors and Plati-Mat for trees up to 4.5m in height with a circumference up to 25cm consisting of:

- 3 x Rootball protection Plati-Mats with wire reinforcing
- 3 x S41 anchors with galvanised wire rope tendons
- 1 x 2-way ratchet tensioner with 4m galvanised wire rope

System to be supplied by:

**Platipus Anchors Ltd**, Kingsfield Business Centre, Philanthropic Road, Redhill, Surrey, RH1 4DP, UK.

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**Web:** www.platipus-anchors.com

**RF2P:** **Platipus** below ground Tree Anchoring Rootball Fixing System with **Platipus** Percussion Driven Earth Anchors and Plati-Mat for trees up to 7.5m in height with a circumference up to 45cm consisting of:

- 3 x Rootball protection Plati-Mats with wire reinforcing
- 3 x S61 anchors with galvanised wire rope tendons
- 1 x 2-way ratchet tensioner with 5m galvanised wire rope

System to be supplied by:

**Platipus Anchors Ltd**, Kingsfield Business Centre, Philanthropic Road, Redhill, Surrey, RH1 4DP, UK.

**Tel:** (+44) 1737 762300 **E:** info@platipus-anchors.com

**Web:** www.platipus-anchors.com

**RF3P:** **Platipus** below ground Tree Anchoring Rootball Fixing System with **Platipus** Percussion Driven Earth Anchors and Plati-Mat for trees up to 12m in height with a circumference up to 75cm consisting of:

- 3 x Rootball protection Plati-Mats with wire reinforcing
- 3 x S81 anchors with galvanised wire rope tendons
- 1 x 2-way ratchet tensioner with 8m galvanised wire rope

System to be supplied by:

**Platipus Anchors Ltd**, Kingsfield Business Centre, Philanthropic Road, Redhill, Surrey, RH1 4DP, UK.

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**Web:** www.platipus-anchors.com

**RF4P:** **Platipus** below ground Tree Anchoring Rootball Fixing System with **Platipus** Percussion Driven Earth Anchors and Plati-Mat for trees greater than 12m in height with a circumference greater than 75cm consisting of:

- 3 x Rootball protection Plati-Mats with wire reinforcing
- 3 x B41 anchors with galvanised wire rope tendons
- 1 x 2 way ratchet tensioner with 10m galvanised wire rope

System to be supplied by:

**Platipus Anchors Ltd**, Kingsfield Business Centre, Philanthropic Road, Redhill, Surrey, RH1 4DP, UK.

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## Platipus Rootball Fixing Systems with Plati-Mat for PALM TREES

**RF3P 3LEG:** **Platipus** below ground Tree Anchoring Rootball Fixing System with **Platipus** Percussion Driven Earth Anchors and Plati-Mat for palm trees up to 6m in height consisting of:

- 3 x Rootball protection Plati-Mats with wire reinforcing
- 3 x S81 anchors with galvanised wire rope tendons
- 1 x 2-way ratchet tensioner with 8m galvanised wire rope

System to be supplied by:

**Platipus Anchors Ltd**, Kingsfield Business Centre,  
Philanthropic Road, Redhill, Surrey, RH1 4DP, UK.

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**Web:** [www.platipus-anchors.com](http://www.platipus-anchors.com)



**RF4P 3LEG:** **Platipus** below ground Tree Anchoring Rootball Fixing System with **Platipus** Percussion Driven Earth Anchors and Plati-Mat for palm trees up to 12m in height consisting of:

- 3 x Rootball protection Plati-Mats with wire reinforcing
- 3 x B41 anchors with galvanised wire rope tendons
- 1 x 2-way ratchet tensioner with 10m galvanised wire rope

System to be supplied by:

**Platipus Anchors Ltd**, Kingsfield Business Centre, Philanthropic Road, Redhill,  
Surrey, RH1 4DP, UK.

**Tel:** (+44) 1737 76230 **E:** [info@platipus-anchors.com](mailto:info@platipus-anchors.com) **Web:** [www.platipus-anchors.com](http://www.platipus-anchors.com)

**RF3P 4LEG:** **Platipus** below ground Tree Anchoring Rootball Fixing System with **Platipus** Percussion Driven Earth Anchors and Plati-Mat for palm trees up to 6m in height consisting of:

- 4 x Rootball protection Plati-Mats with wire reinforcing
- 4 x S81 anchors with galvanised wire rope tendons
- 2 x 2-way ratchet tensioner with 8m galvanised wire rope

System to be supplied by:

**Platipus Anchors Ltd**, Kingsfield Business Centre,  
Philanthropic Road, Redhill, Surrey, RH1 4DP, UK.

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**Web:** [www.platipus-anchors.com](http://www.platipus-anchors.com)



**RF4P 4LEG:** **Platipus** below ground Tree Anchoring Rootball Fixing System with **Platipus** Percussion Driven Earth Anchors and Plati-Mat for palm trees up to 12m in height consisting of:

- 4 x Rootball protection Plati-Mats with wire reinforcing
- 4 x B41 anchors with galvanised wire rope tendons
- 2 x 2-way ratchet tensioner with 10m galvanised wire rope

System to be supplied by:

**Platipus Anchors Ltd**, Kingsfield Business Centre, Philanthropic Road, Redhill, Surrey, RH1 4DP, UK.

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## Platipus Guy Fixing Systems

**G1:** **Platipus** above ground Tree Anchoring System with **Platipus** Percussion Driven Earth Anchors and guys for trees up to 4.5m in height with a circumference up to 25cm consisting of:

- 3 x Overhead guys with 6m galvanised wire rope with tree protection collar and clip assembly
- 3 x S41 anchors with galvanised wire rope tendons
- 3 x 2-way ratchet tensioner and 3 x shrouds to cover the tensioner

System to be supplied by:

**Platipus Anchors Ltd**, Kingsfield Business Centre,  
Philanthropic Road, Redhill, Surrey, RH1 4DP, UK.

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**Web:** www.platipus-anchors.com



**G2:** **Platipus** above ground Tree Anchoring System with **Platipus** Percussion Driven Earth Anchors and guys for trees up to 7.5m in height with a circumference up to 45cm consisting of:

- 3 x Overhead guys with 8m galvanised wire rope with tree protection collar and clip assembly
- 3 x S61 anchors with galvanised wire rope tendons
- 3 x 2-way ratchet tensioner and 3 x shrouds to cover the tensioner

System to be supplied by:

**Platipus Anchors Ltd**, Kingsfield Business Centre, Philanthropic Road, Redhill, Surrey, RH1 4DP, UK.

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**G3:** **Platipus** above ground Tree Anchoring System with **Platipus** Percussion Driven Earth Anchors and guys for trees up to 12m in height with a circumference up to 75cm consisting of:

- 3 x Overhead guys with 12m galvanised wire rope with tree protection collar and clip assembly
- 3 x S81 anchors with galvanised wire rope tendons
- 3 x 2-way ratchet tensioner and 3 x shrouds to cover the tensioner

System to be supplied by:

**Platipus Anchors Ltd**, Kingsfield Business Centre, Philanthropic Road, Redhill, Surrey, RH1 4DP, UK.

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**G4:** **Platipus** above ground Tree Anchoring System with **Platipus** Percussion Driven Earth Anchors and guys for trees greater than 12m in height with a circumference greater than 75cm consisting of:

- 3 x Overhead guys with 12m galvanised wire rope with tree protection collar and clip assembly
- 3 x B41 anchors with galvanised wire rope tendons
- 3 x 2-way ratchet tensioner and 3 x shrouds to cover the tensioner

System to be supplied by:

**Platipus Anchors Ltd**, Kingsfield Business Centre, Philanthropic Road, Redhill, Surrey, RH1 4DP, UK.

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## Platipus Contractors Guy Fixing Systems

**CG1:** **Platipus** above ground Tree Anchoring Rootball Fixing System with **Platipus** Percussion Driven Earth Anchors for trees up to 4.5m in height with a circumference up to 25cm consisting of:

- 3 x S4 anchors with wire assemblies (length 5m),
- 3 x collar, 6 x rope grips (2 per wire).

System to be supplied by:

**Platipus Anchors Ltd**, Kingsfield Business Centre,  
Philanthropic Road, Redhill, Surrey, RH1 4DP, UK.

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**Web:** [www.platipus-anchors.com](http://www.platipus-anchors.com)



**CG2:** **Platipus** above ground Tree Anchoring Rootball Fixing System with **Platipus** Percussion Driven Earth Anchors for trees up to 7.5m in height with a circumference up to 45cm consisting of:

- 3 x S6 anchors with wire assemblies (length 6m),
- 3 x collar, 6 x rope grips (2 per wire).

System to be supplied by:

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## Platipus D-MAN Systems with Plati-Mat

For anchoring trees in shallow soil, in concrete podiums, on roof gardens or where buried services prevent the use of percussion driven earth anchors.

**RF1PDMAN:** **Platipus** below ground Tree Anchoring Rootball Fixing System with Plati-Mat for trees up to 4.5m in height with a circumference up to 25cm consisting of:

- 3 x Rootball protection Plati-Mats with wire reinforcing
- 3 x galvanised wire rope tendons with fixing discs
- 3 x D-MAN Cells
- 1 x 2-way ratchet tensioner with 4m galvanised wire rope

System to be supplied by:

**Platipus Anchors Ltd**, Kingsfield Business Centre, Philanthropic Road, Redhill, Surrey, RH1 4DP, UK.

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**Web:** [www.platipus-anchors.com](http://www.platipus-anchors.com)



**RF2PDMAN:** **Platipus** below ground Tree Anchoring Rootball Fixing System with Plati-Mat for trees up to 7.5m in height with a circumference up to 45cm consisting of:

- 3 x Rootball protection Plati-Mats with wire reinforcing
- 3 x galvanised wire rope anchor tendons with fixing discs
- 6 x D-MAN Cells to be connected in pairs
- 1 x 2-way ratchet tensioner with 5m galvanised wire rope

System to be supplied by:

**Platipus Anchors Ltd**, Kingsfield Business Centre, Philanthropic Road, Redhill, Surrey, RH1 4DP, UK.

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**Web:** [www.platipus-anchors.com](http://www.platipus-anchors.com)

## Platipus Deadman Systems with Plati-Mat

For anchoring trees in shallow soil, in concrete podiums, on roof gardens or where buried services prevent the use of percussion driven earth anchors.

**RF1RDMP:** **Platipus** below ground Tree Anchoring Rootball Fixing System with Plati-Mat and contractor supplied kerbstones or sleepers for trees up to 4.5m in height with a circumference up to 25cm consisting of:

- 3 x Rootball protection Plati-Mats with wire reinforcing
- 3 x galvanised wire rope chokes
- 1 x 2-way ratchet tensioner with 4m galvanised wire rope

System to be supplied by:

**Platipus Anchors Ltd**, Kingsfield Business Centre,  
Philanthropic Road, Redhill, Surrey, RH1 4DP, UK.

**Tel:** (+44) 1737 762300 **E:** info@platipus-anchors.com



Kerbstones / Sleepers

**Web:** www.platipus-anchors.com

**RF2RDMP:** **Platipus** below ground Tree Anchoring Rootball Fixing System with Plati-Mat and contractor supplied kerbstones or sleepers for trees up to 7.5m in height with a circumference up to 45cm consisting of:

- 3 x Rootball protection Plati-Mats with wire reinforcing
- 3 x galvanised wire rope chokes
- 1 x 2-way ratchet tensioner with 5m galvanised wire rope

System to be supplied by:

**Platipus Anchors Ltd**, Kingsfield Business Centre, Philanthropic Road, Redhill, Surrey, RH1 4DP, UK.

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**RF3RDMP:** **Platipus** below ground Tree Anchoring Rootball Fixing System with Plati-Mat and contractor supplied kerbstones or sleepers for trees up to 12m in height with a circumference up to 75cm consisting of:

- 3 x Rootball protection Plati-Mats with wire reinforcing
- 3 x galvanised wire rope chokes
- 1 x 2-way ratchet tensioner with 8m galvanised wire rope

System to be supplied by:

**Platipus Anchors Ltd**, Kingsfield Business Centre, Philanthropic Road, Redhill, Surrey, RH1 4DP, UK.

**Tel:** (+44) 1737 762300 **E:** info@platipus-anchors.com **Web:** www.platipus-anchors.com

# TREE ANCHORING SYSTEMS WITHOUT EARTH ANCHORS

For anchoring trees in very shallow concrete podiums, on roof gardens or unusual urban sites.

**RF1RP: Platipus** below ground Tree Anchoring Rootball Fixing System with **Platipus Eyebolts** and Plati-Mat for trees up to 4.5m in height with a circumference up to 25cm consisting of:

- 3 x Rootball protection Plati-Mats with wire reinforcing
- 3 x galvanised wire tendons with M6 expanding eyebolts attached and 9 x rope grips
- 1 x 2-way ratchet tensioner with 4m galvanised wire rope

System to be supplied by:

**Platipus Anchors Ltd**, Kingsfield Business Centre,  
Philanthropic Road, Redhill, Surrey, RH1 4DP, UK.

**Tel:** (+44) 1737 762300 **E:** info@platipus-anchors.com

**Web:** www.platipus-anchors.com



**RF2RP: Platipus** below ground Tree Anchoring Rootball Fixing System with **Platipus Eyebolts** and Plati-Mat for trees up to 7.5m in height with a circumference up to 45cm consisting of:

- 3 x Rootball protection Plati-Mats with wire reinforcing
- 3 x galvanised wire tendons with M8 expanding eyebolts attached and 9 x rope grips
- 1 x 2-way ratchet tensioner with 5m galvanised wire rope

System to be supplied by:

**Platipus Anchors Ltd**, Kingsfield Business Centre,  
Philanthropic Road, Redhill, Surrey, RH1 4DP, UK.

**Tel:** (+44) 1737 762300 **E:** info@platipus-anchors.com

**Web:** www.platipus-anchors.com



**RF3RP: Platipus** below ground Tree Anchoring Rootball Fixing System with **Platipus Eyebolts** and Plati-Mat for trees up to 12m in height with a circumference up to 75cm consisting of:

- 3 x Rootball protection Plati-Mats with wire reinforcing
- 3 x galvanised wire tendons with M10 expanding eyebolts attached and 9 x rope grips
- 1 x 2-way ratchet tensioner with 8m galvanised wire rope

System to be supplied by:

**Platipus Anchors Ltd**, Kingsfield Business Centre, Philanthropic Road, Redhill, Surrey, RH1 4DP, UK.

**Tel:** (+44) 1737 762300 **E:** info@platipus-anchors.com **Web:** www.platipus-anchors.com

## Platipus Piddler Irrigation and Aeration Systems

**PID0:** **Platipus** Tree Irrigation and Aeration System for a rootball diameter up to 55cm.

- 1 x 2m length of filter fabric
- 1 x header tube (25cm tall)
- 1 x debris cap

System to be supplied by:

**Platipus Anchors Ltd**, Kingsfield Business Centre,  
Philanthropic Road, Redhill, Surrey, RH1 4DP, UK.

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**PID1:** **Platipus** Tree Irrigation and Aeration System for a rootball diameter up to 90cm.

- 1 x 3m length of filter fabric
- 1 x header tube (30cm tall)
- 1 x debris cap

System to be supplied by:

**Platipus Anchors Ltd**, Kingsfield Business Centre, Philanthropic Road, Redhill, Surrey, RH1 4DP, UK.

**Tel:** (+44) 1737 762300 **E:** info@platipus-anchors.com **Web:** www.platipus-anchors.com

**PID2:** **Platipus** Tree Irrigation and Aeration System for trees with a rootball diameter up to 155cm.

- 1 x 5m length of filter fabric
- 1 x header tube (30cm tall)
- 1 x debris cap

System to be supplied by:

**Platipus Anchors Ltd**, Kingsfield Business Centre, Philanthropic Road, Redhill, Surrey, RH1 4DP, UK.

**Tel:** (+44) 1737 762300 **E:** info@platipus-anchors.com

**Web:** www.platipus-anchors.com

**PID3:** **Platipus** Tree Irrigation and Aeration System for trees with a rootball diameter up to 240cm.

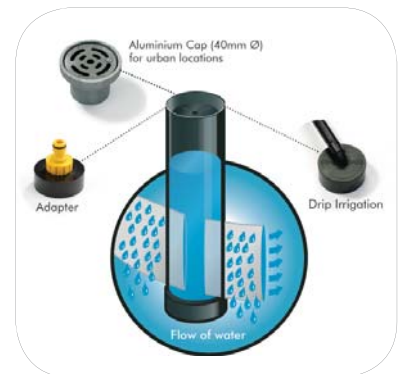
- 1 x 8m lengths of filter fabric
- 2 x header tubes (30cm tall)
- 2 x debris caps

System to be supplied by:

**Platipus Anchors Ltd**, Kingsfield Business Centre, Philanthropic Road,  
Redhill, Surrey, RH1 4DP, UK.

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**PID4:** **Platipus** Tree Irrigation and Aeration System for trees with a rootball diameter up to 310cm.

- 1 x 10m length of filter fabric
- 3 x header tubes (30cm tall)
- 3 x debris caps

System to be supplied by:

**Platipus Anchors Ltd**, Kingsfield Business Centre, Philanthropic Road, Redhill, Surrey, RH1 4DP, UK.

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## Platipus Rootball Fixing Systems with Strap

**RF1S:** **Platipus** below ground Tree Anchoring Rootball Fixing System with **Platipus** Percussion Driven Earth Anchors and Strap for trees up to 4.5m in height with a circumference up to 25cm consisting of:

- 4m x 25mm webbing strap
- 3 x S41 anchors with delta links
- 1 x 2-way strap tensioner

System to be supplied by:

**Platipus Anchors Ltd**, Kingsfield Business Centre,  
Philanthropic Road, Redhill, Surrey, RH14DP, UK.

**Tel:** (+44) 1737 762300      **E:** info@platipus-anchors.com

**Web:** www.platipus-anchors.com



**RF2S:** **Platipus** below ground Tree Anchoring Rootball Fixing System with **Platipus** Percussion Driven Earth Anchors and Strap for trees up to 7.5m in height with a circumference up to 45cm consisting of:

- 5m x 35mm webbing strap
- 3 x S61 anchors with delta links
- 1 x 2-way strap tensioner

System to be supplied by:

**Platipus Anchors Ltd**, Kingsfield Business Centre, Philanthropic Road, Redhill, Surrey, RH14DP, UK.

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## Platipus Deadman Fixing Systems with Strap

For anchoring trees in shallow soil, in concrete podiums, on roof gardens or where buried services prevent the use of percussion driven earth anchors.

**RF1RDMS:** **Platipus** below ground Tree Anchoring Rootball Fixing System with Strap and contractor supplied kerbstones or sleepers for trees up to 4.5m in height with a circumference up to 25cm consisting of:

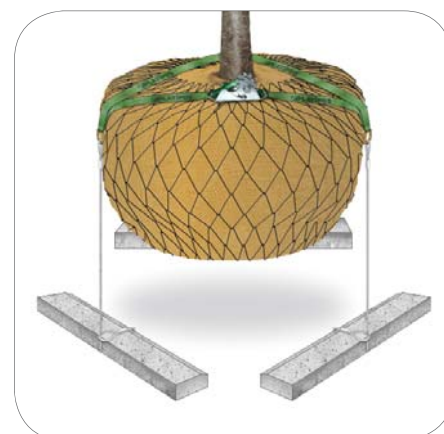
- 4m x 25mm webbing strap
- 3 x galvanised wire rope anchor tendons with delta links
- 1 x 2-way strap tensioner

System to be supplied by:

**Platipus Anchors Ltd**, Kingsfield Business Centre,  
Philanthropic Road, Redhill, Surrey, RH1 4DP, UK.

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**Web:** [www.platipus-anchors.com](http://www.platipus-anchors.com)



Kerbstones / Sleepers

**RF2RDMS:** **Platipus** below ground Tree Anchoring Rootball Fixing System with Strap and contractor supplied kerbstones or sleepers for trees up to 7.5m in height with a circumference up to 45cm consisting of:

- 5m x 35mm webbing strap
- 3 x galvanised wire rope anchor tendons with delta links
- 1 x 2-way strap tensioner

System to be supplied by:

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# TREE ANCHORING SYSTEMS WITHOUT EARTH ANCHORS

For anchoring trees in very shallow concrete podiums, on roof gardens or unusual urban sites.

**RF1RS:** **Platipus** below ground Tree Anchoring Rootball Fixing System with **Platipus Eyebolts** and Strap for trees up to 4.5m in height with a circumference up to 25cm consisting of:

- 4m x 25mm webbing strap with 3 x delta links
- 3 x M6 expanding eyebolts with galvanised wire cable and 9 x rope grips
- 1 x 2-way strap tensioner

System to be supplied by:

**Platipus Anchors Ltd**, Kingsfield Business Centre, Philanthropic Road, Redhill, Surrey, RH1 4DP, UK.

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**RF2RS:** **Platipus** below ground Tree Anchoring Rootball Fixing System with **Platipus Eyebolts** and Strap for trees up to 7.5m in height with a circumference up to 45cm consisting of:

- 5m x 35mm webbing strap with 3 x delta links
- 3 x M8 expanding eyebolts with galvanised wire cable and 9 x rope grips
- 1 x 2-way strap tensioner

System to be supplied by:

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# TREE ANCHORING SYSTEMS WITHOUT EARTH ANCHORS

For anchoring trees in very shallow concrete podiums, on roof gardens or unusual urban sites which have already been waterproofed.

**RF Special (Rooftop):** **Platipus** below ground Tree Anchoring Rootball Fixing System with Plati-Mat and contractor supplied welded steel mesh consisting of:

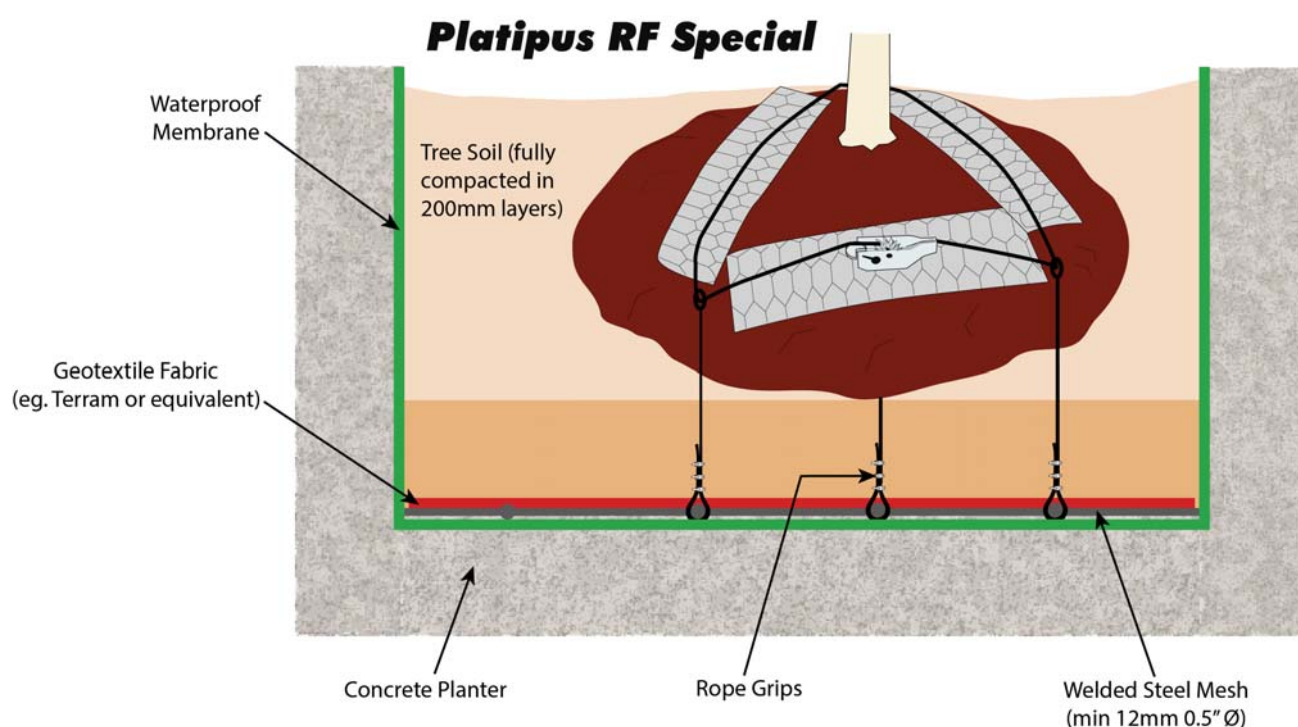
- 3 x Rootball protection Plati-Mats with wire reinforcing
- 3 x galvanised wire tendons and 9 x rope grips
- 1 x 2-way ratchet tensioner with galvanised wire rope

System to be supplied by:

**Platipus Anchors Ltd**, Kingsfield Business Centre, Philanthropic Road, Redhill, Surrey, RH1 4DP, UK.

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## Platipus Root Barrier

**Platipus Root Barrier 500:** High performance recycled polyethylene, flexible, UV resistant barrier with tensile strength up to 500N.

- Thickness: 0.5mm
- Height: 60cm & 1m

**Platipus Root Barrier 1000:** High performance recycled polyethylene, flexible, UV resistant barrier with tensile strength up to 800N.

- Thickness: 1.0mm
- Height: 60cm & 1m



## Installation Instructions

- Platipus provide installation training and tools. These include Power and Hand Drive Rods, Rod Removers, Load-locking Kits and Ratchet Tension Levers manufactured for our anchoring systems.
- All percussion anchors must be installed to the recommended depths and fully load-locked
- The rootball tensioning system must be correctly positioned and secured. It is vital that re-tensioning is carried out once the tree has settled after planting/watering.
- Platipus Deadman and DMAN kits must have the deadmen positioned at least 30cm below the base of the rootball. Only tree soil should be used above the deadmen and must be finally compacted to 60%, up to the nursery line.
- Good quality, correctly sized and wrapped rootballs with reasonably flat tops surfaces are fundamental to an effective solution



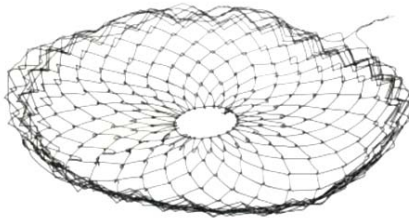
## Platipus Datasheet

### Recommended rootball dimensions based on standardised height and girth measurements

PRODUCT CODE	HEIGHT (m)	GIRTH (cm)	ROOTBALL DIAMETER (cm)	ROOTBALL HEIGHT (cm)	WEIGHT (kg)
RF1P	<4.5m	20-25	60-70	40-50	270
RF2P	<7.5m	25-30	80	50-60	350
		30-35	90-100	60-70	500
		35-40	100-110	60-70	650
		40-45	110-120	60-70	850
RF3P	<12m	45-50	110-120	60-70	1100
		50-60	130-140	60-70	1600
		60-75	150-160	60-70	2500
RF4P	>12m	>75	>180	>70	>4000

## How to rootwrap trees

1



**Wire Rootball Net**



**Hessian Sheet**

Place the appropriate sized wire rootball net on the ground and a hessian sheet on top (for large rootballs, use 4 hessian sheets laid out in a square or cut to size from a roll of hessian).

2



Once the tree has been lifted from the ground or removed from its container, place it centrally on the rootball net and hessian.

3



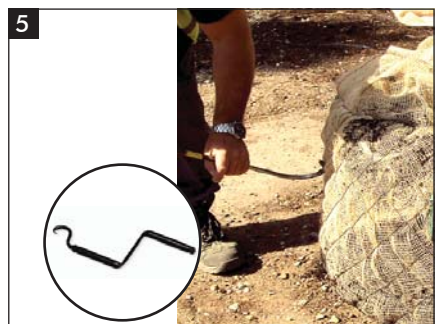
Lift the hessian up from the ground and place it over the top of the rootball until all the soil is completely covered.

4

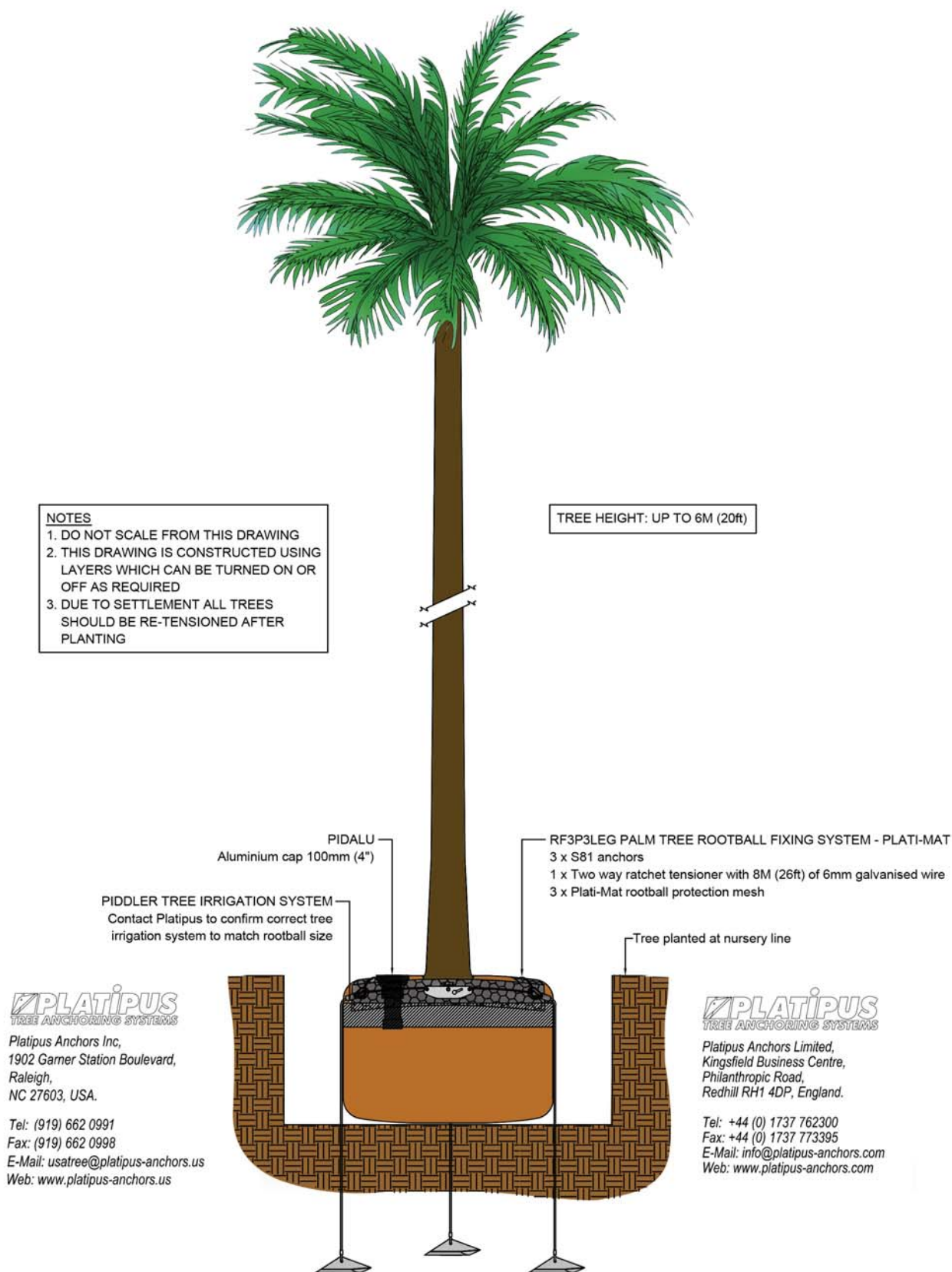


Pull up the wire rootball net so it surrounds the rootball. You do not want to have the wire right up to the base of the trunk as it may cut in and damage the tree.

5



Using a twisting hook, loop the end through a section of the wire and twist repeatedly. Do this in 3-4 evenly spaced intervals around the rootball until the wire basket is tight and secure around the soil.



## Notes

[illegible]



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