

Tubex Tree Shelter Introduction



The world's best known and best selling tree shelters.

Tubex Tree Shelters provide plants with an enhanced microclimate, encouraging growth, whilst protecting against animal browsing and herbicide spray.

Designed to last a minimum of 5 years, Tubex Tree Shelters help boost survival rates in the early stages of a tree's life and are suitable for both bare root and cell grown plants.

The range offers a variety of heights to protect against different animals. They are also available in two types of diameter - a 'Standard' and a 'Standard Plus'. The latter (as the name suggests) delivers a wider tube for larger plant species.

Both are easy to install and aid strong root and stem growth, allowing planting of smaller, more affordable plants.

Note - Shelter longevity is dependent on site and weather conditions.

Benefits

- Protects from browsing animals
- Protects from herbicide spray
- Creates microclimate to promote healthy growth
- Easy installation – comes with pre-fitted releasable cable tie(s)

Installation

- Plant bare root or cell grown plant.
- Insert stake next to plant.
- Install tube over plant, gently pushing into ground.
- Tighten pre-fitted cable tie(s) around stake.
- Plan for removal and recycling at end of life once the tree is established.
- See installation diagrams (pg 4) for more information.

Specifications:

Dimensions	
Height m*	
Diameter mm	
Number of cable ties	
Type of cable ties	
Length of cable tie mm (inch)	
Height of top cable tie from ground mm **	
Height of bottom cable tie from ground mm **	
Average weight/tube g	
* Manufacturing tolerance of tube height +/- 25mm.	
** Manufacturing tolerance of cable tie height +/- 15mm.	
Packaging	
Nest	
Bundle	
Bag or strap banded	

Tubex Tree Shelter Standard Range		
0.6	0.75	1.2
73-105	73-105	73-105
1	2	2
Releasable	Releasable	Releasable
250 (10)	250 (10)	250 (10)
450	500	825
na	200	250
72	90	146.5

Tubex Tree Shelter Standard Plus Range		
1.2	1.5	1.8
80-120	80-120	80-120
2	2	2
Releasable	Releasable	Releasable
250 (10)	250 (10)	250 (10)
850	1125	1330
250	250	250
175	221	265

Tubex Tree Shelter Standard Range		
5	5	5
100	100	100
Bag	Bag	Strap banded

Tubex Tree Shelter Standard Plus Range		
5	5	5
60	60	60
Strap banded	Strap banded	Strap banded

Material
Tube
Cable tie
Tube colour
Service life (tube)
Biodegradable
End of life
Recyclable
Recycling options
Recommended support

For All Sizes
Polypropylene (30% recycled material)
Nylon
Green
Minimum 5 years
No
Remove for recycling.
Yes.
Use a local Recycling Centre and the bin for 'Plastic' (Code 5 PP).
Or contact Tubex for details of their Collection & Recycling scheme.
Or use a similar agricultural recycling service.
Stake

Tubex Tree Shelter Features & Benefits

Plant Welfare



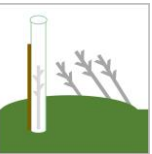
Animal protection
Protects young plants from bark-stripping and browsing animals.



Herbicide protection
The tube protects from herbicide spray.



Light transmission
Creates a mini greenhouse effect, encouraging growth.



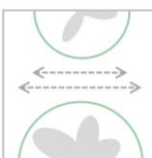
Wind protection
Delivers wind break effect, protecting plants on exposed sites.



Flared rim
To minimise stem abrasion.

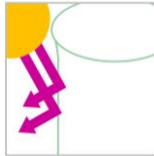


Laser-line
To allow the tree to break free.



Standard 'Plus'
Larger diameter available for plant species that require more space to grow.

Lifespan



UV Stabilised polypropylene
Provides minimum 5 years protection.



Strengthening rods
to prevent tearing at stake area.

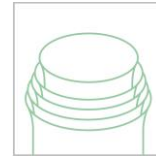


Twin walled
Delivers best strength to weight ratio.

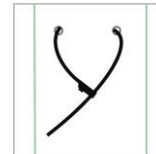


Recyclable
Through local supplier or via the *Tubex Collection & Recycling Scheme*.

Installation



Nested
For ease of movement around site.



Pre-fitted cable ties
Thumb-releasable for easy installation & maintenance.



Green colour
Blends into background.



Tubex Standard 0.6m
Bag of 100 nested tubes



Tubex Standard Plus 1.2m
Bundle of 60 'strap banded' nested tubes

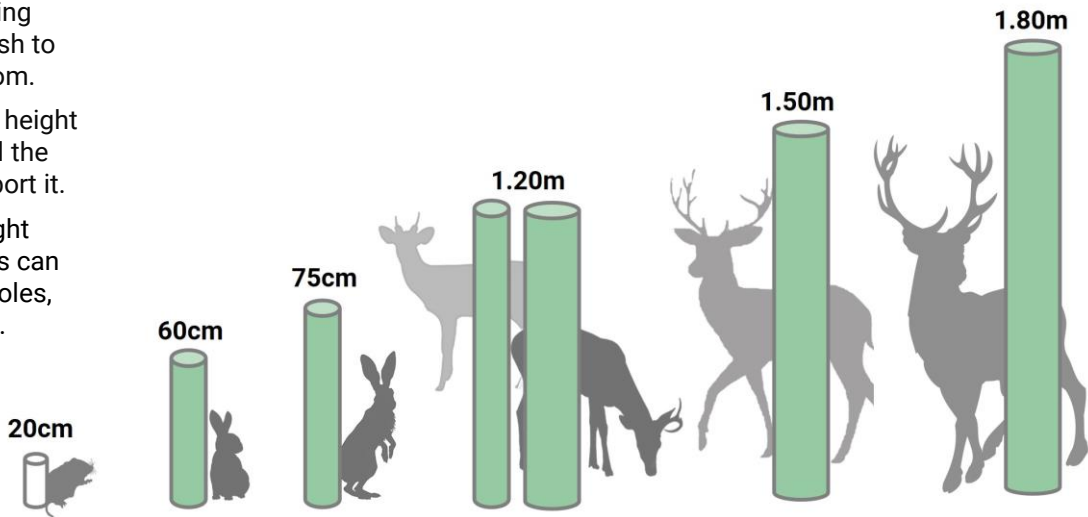
Tubex Tree Shelter Range Choices

Height

Identify which damaging agent (animal) you wish to protect your plants from.

This will influence the height of your protection and the wooden stake to support it.

Depending on the height selected, Tree Shelters can help protect against voles, rabbits, hare and deer.



Protecting against	Vole	Rabbit	Hare	Muntjac / Roe Deer	Fallow Deer	Red Deer
Minimum height of tube for protection	20cm	60cm	75cm	1.20m	1.50m	1.80m
Height of supporting stake*	Not required	75cm	90cm	1.20m or 1.35m	1.50m	1.80m
Diameter Type	NA	Standard	Standard	Standard or Standard plus	Standard Plus	Standard Plus

* It is advisable to use a longer stake for sandier, lighter soils.

Tubex Tree Shelter Available Sizes

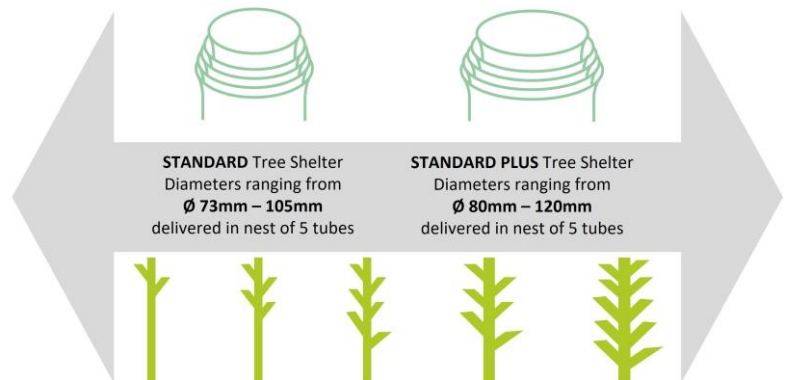
Diameter Types

Tubes are nested (one inside the other), to save space and time when moving plant protection around a site.

Diameters describe the range of diameters you will find in a nest of tubes, from the smallest to the largest.

There are two diameter types: 'Standard' and 'Standard Plus'.

Use the 'Plus' size range for larger planting stock or for plants that are likely to have bushier growth.



Tubex Tree Shelter Installation

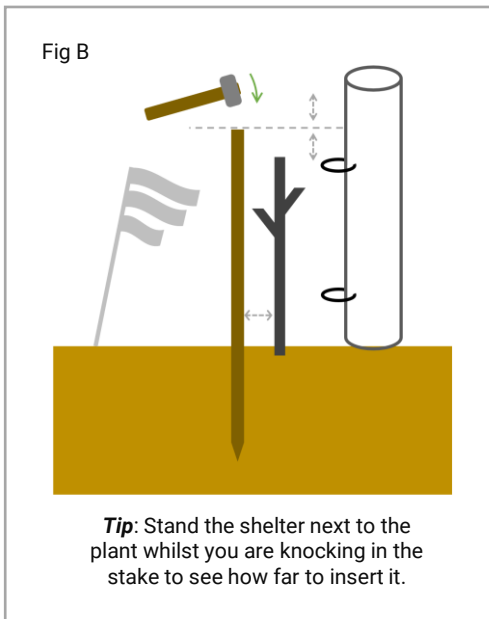
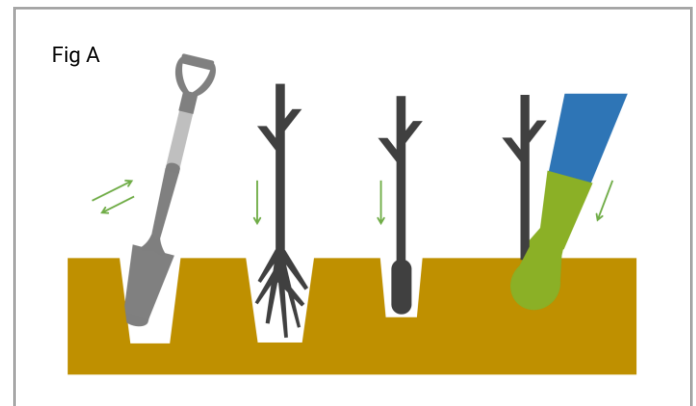
PLANT

Planting bare root or cell grown plants is a straightforward task, however, do not attempt to plant if the ground is frozen or waterlogged. Find a suitable position for your plants, bearing in mind future growth and potential height and spread at maturity.

Bare rooted or cell grown plants can be 'notch' planted in 3 steps (Fig A):

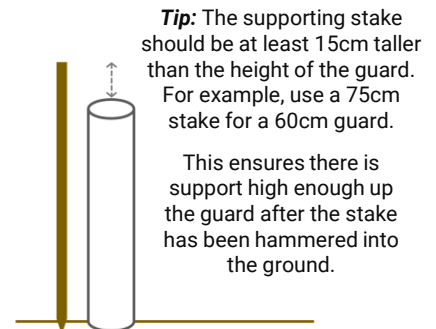
1. Begin by inserting the blade of a spade into the ground. Push the spade handle away from you and then bring it back towards you. Once you remove the spade, you will see that you have created a cavity or 'notch' in the ground.
2. **For bare root** - place the plant roots within the cavity and shake to ensure that all of the roots are in the cavity and pointing downwards. **For cell grown** - place the cell gently into the ground. Ensure the top of the plug (the soil surrounding the roots) is positioned at 2 to 4cm below the surface to avoid drying out.
3. Fill the cavity with soil. Use your heel to firm the soil around the plant to remove any air pockets. Once planted, give them a good water if practical to do so.

You are now ready to install your support and protection.



SUPPORT

1. After planting, position the stake on the windward side if there are strong prevailing winds, and between 2cm to 5cm from the base of the plant (Fig B).
2. Hammer the stake into the ground with a stake driver or mallet (ideally knocking 1/3 of its height into the ground). Ensure it is vertical (particularly important on sloping ground). The top of the stake should be below the top rim of the shelter and above the top cable tie.



PROTECT

1. Position the shelter over the tree (Fig C), making sure not to damage any lateral branches, sliding the releasable tie wraps over the stake at the same time.
2. Push the shelter into the ground 1cm to 2cm. This forms a safe herbicide barrier and deters vermin from burrowing under the shelter.
3. Tighten the thumb releasable ratchet ties, ensuring the shelter is firmly positioned.
4. Tuck the tie ends into the holes in the shelter for neatness and to deter rubbing by deer or sheep.

