



Tree Grilles

FULLY INTEGRATED GRILLE SYSTEMS

Includes:

- Product information sheets
- Technical data sheet



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Tree grilles

FULLY INTEGRATED GRILLE SYSTEMS

During the last two decades, GreenBlue Urban has been developing innovative products to assist trees below ground in their battle to establish and grow in hostile urban environments. Now with the Arborsystem tree grille range, that same attention to detail has been turned to tree pit surround systems. Arborsystem tree surrounds are engineered to an extremely high standard under rigorous quality controls. GreenBlue Urban is an ISO 9002 company and takes product development and quality seriously. Consequently, the range detailed in this brochure represents the latest technology in tree surrounds. Illustrated are just some of the design features integral to the Arborsystem brand that have lifted our range to new levels of excellence.



BENEFITS

- * Enables the tree to receive natural water
 - * Prevents surrounding soil from being compacted
 - * Adds architectural flair to paved surfaces
 - * Available in many different finishes including powder coating to any RAL colour
 - * The grille frames can be disassembled once installed.
- This gives the contractor the option of planting the tree before or after installation

Design

Our product team has worked hard to ensure that even the most standard designs work well, look smart and give a trouble free life. Research and trials have helped us to arrive at the most effective and robust coatings where applicable for our product range.

Inner ring design

Allows for a neat and professional central opening. This gives additional tensile strength as well as providing fixing points for the vertical steel guard system.

Irrigation inlet fitting

Aborsystem RootRain Precinct irrigation inlet fitting - another example of products engineered for purpose - heavy duty cast LM6 material giving a permanent access point for water and air, so vital for the tree. Plus retaining bracket to ensure simple installation and alignment for irrigation pipe.

Integral features

These high quality cast ductile grilles can incorporate integral apertures for irrigation aeration inlets and uplighters. Twist lock aperture secures the fittings to avoid theft or sub-surface settlement differentiation.

Built for strength

These tree stands are manufactured to withstand the everyday traffic and loadings expected of urban landscapes. Our product advisors can work with you to ensure that the grille you select is suited to the types of traffic you are expecting to use the area. The DTS grille range is designed to withstand any reasonable traffic overrun.

Support frames

Aborsystem support frames have involved many hours of development to produce a design that is easy to install, vandal resistant, cost effective to manufacture and unobtrusive in use. These frames are engineered to the highest standards and can be rated to handle different loading requirements.

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The majority of our tree grilles are manufactured from cast ductile iron. However, we also offer a range of fabricated grilles which can be produced in mild or stainless steel. Our range of tree grilles can be made to suit any application.

If they are going to be subject to exceptional loading, heavy duty frames will be required for the cast ductile grilles and the fabricated steel grilles will be manufactured from larger section material.

The standard finish is matt black polyester powder coated. This high quality finish is extremely durable. Any colour from the RAL range is available as an option. For extra protection on mild steel products zinc galvanising is standard, followed by a high quality coating to any RAL colour if required.

Some grilles and guards are available from stock. Please contact GreenBlue Urban sales line for a competitive quotation and stock availability.



DTS Grille Systems

The standard Arborsystem tree grille range shown here is designed to integrate with a variety of different settings. Choice of design will be influenced by the following aspects:

- * Existing site parameters and design elements
- * Access requirements
- * Anticipated vehicle traffic
- * Disabled access
- * Designer's personal judgement on aesthetics

Arborsystem grilles integrate with below ground root management, irrigation, aeration and guying systems. It is important that the below ground aspect of tree pit design is given careful consideration at the design stage.

Tree literate design will pay dividends for years to come in the form of healthy, attractive trees.



Tree grilles

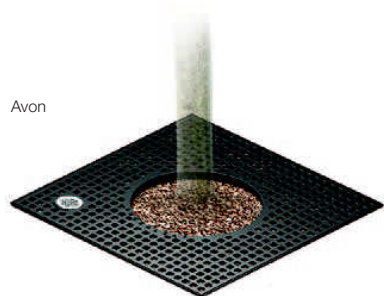
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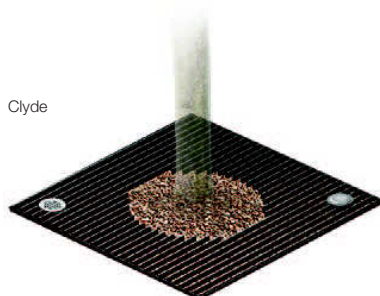
Adur



Yare



Avon



Clyde

Typical installation specification

Ensure the depth around edge of tree grille frame has a minimum of 100mm of concrete. Reinforce if loading requires it.

Place outer frame on concrete ensuring that top is level and at a height to suit adjacent surfacing. When concrete foundation has set sufficiently, fit tree grille segments and fasten anti-vandal bolts. RootRain Precinct inlet and vertical steel guard can now be fitted.

Standard tree grille range availability

Size square	1000mm	1200mm	1500mm	
Adur	ADUR10A	ADUR12B	ADUR15A	
Avon	AVON10B	AVON12B	AVON15A	
Clyde	CLYDE10GA	CLYDE12GA	CLYDE15GA	
Internal aperture diameter	500mm	600mm	600mm	600mm
Size round diameter	1000mm	1200mm		
Yare	YARE10A	YARE12A		
Internal aperture diameter	500mm	600mm		

NOTE: Other sizes available to special order

Product data sheet

ADUR DTS TREE GRILLE

TYPE

Adur

CODE SIZE

ADUR10A	1000 x 1000 mm
ADUR12B	1200 x 1200 mm
ADUR15A	1500 x 1500 mm

MATERIAL

Segments: ductile iron

Frame: mild steel

Fixings: stainless steel

LOAD BEARING CAPACITY

Maximum 5 tonne wheel load

FINISH

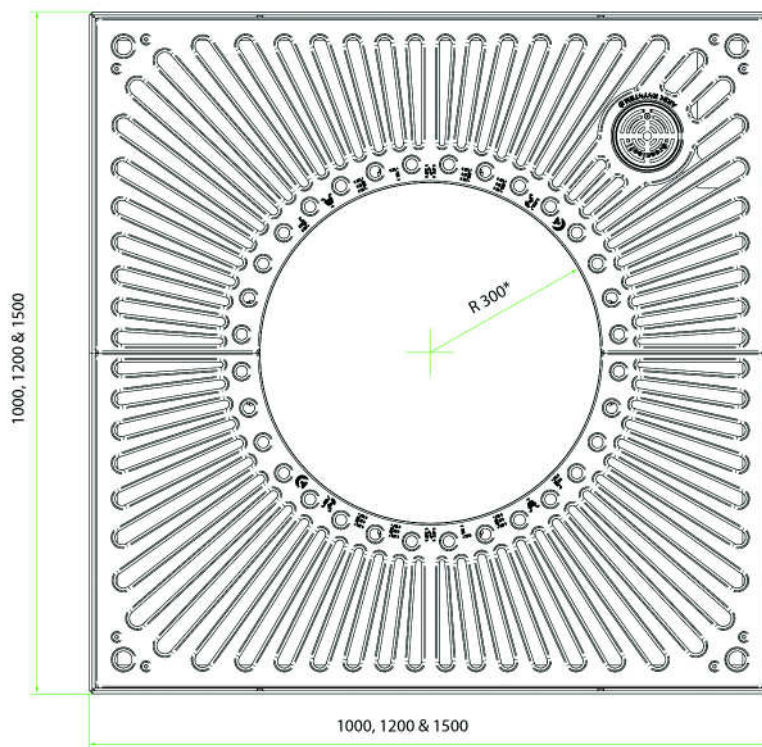
Segments: Zinc rich primer with polyester powder top coat to DIN EN ISO 12944-2

Frame: Galvanized to BS EN 146 1999

COLOUR

Segments: RAL 9005 Satin.

Other RAL colours available to special order



*Note: 1000 grille has a centre radius of 250

WEIGHT

ADUR12B 105kg

Other sizes TBA

Product data sheet

AVON DTS TREE GRILLE

TYPE

Avon

CODE SIZE (LENGTH)

AVON10B	1000 x 1000mm
AVON12B	1200 x 1200mm
AVON15A	1500 x 1500mm
AVON18B	1800 x 1800mm

MATERIAL

Segments: Ductile iron

Frame: Mild steel

Fixings: Stainless steel

LOAD BEARING CAPACITY

Maximum 5 tonne wheel load

FINISH

Segments: Zinc rich primer with polyester powder top coat to DIN EN ISO 12944-2

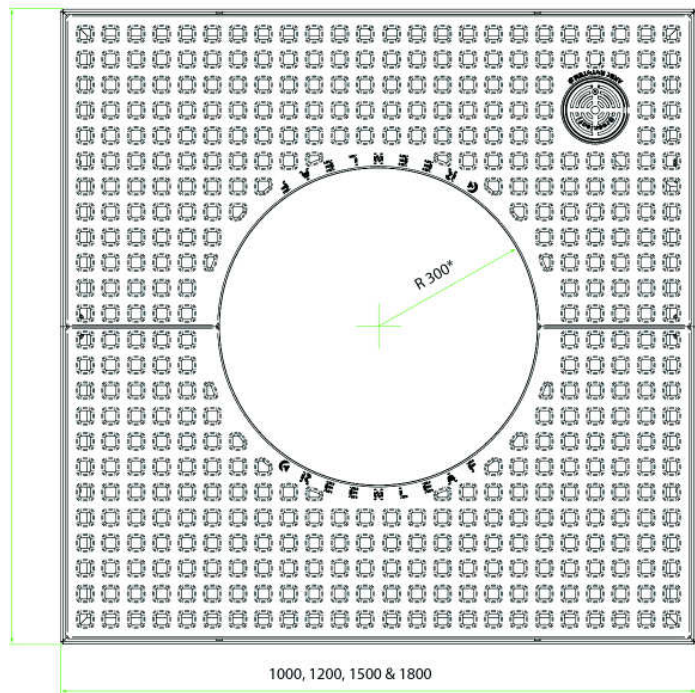
Frame: Galvanized to BS EN 146 1999

COLOUR

Segments: RAL 9005 Satin.

Other RAL colours

available to special order



WEIGHT

AVON10B 82kg

AVON12B 123kg

AVON15A 181kg

Product data sheet

CLYDE STEEL TREE GRILLE

TYPE

Clyde

CODE

SIZE

CLYDE10GB	1000 x 1000mm
CLYDE12GB	1200 x 1200mm
CLYDE15GA	1500 x 1500mm
CLYDE18GA	1800 x 1800mm

MATERIAL

Segments: Mild steel

Frame: Mild steel

Fixings: Stainless steel

LOAD BEARING CAPACITY

Light vehicle overrun only

FINISH

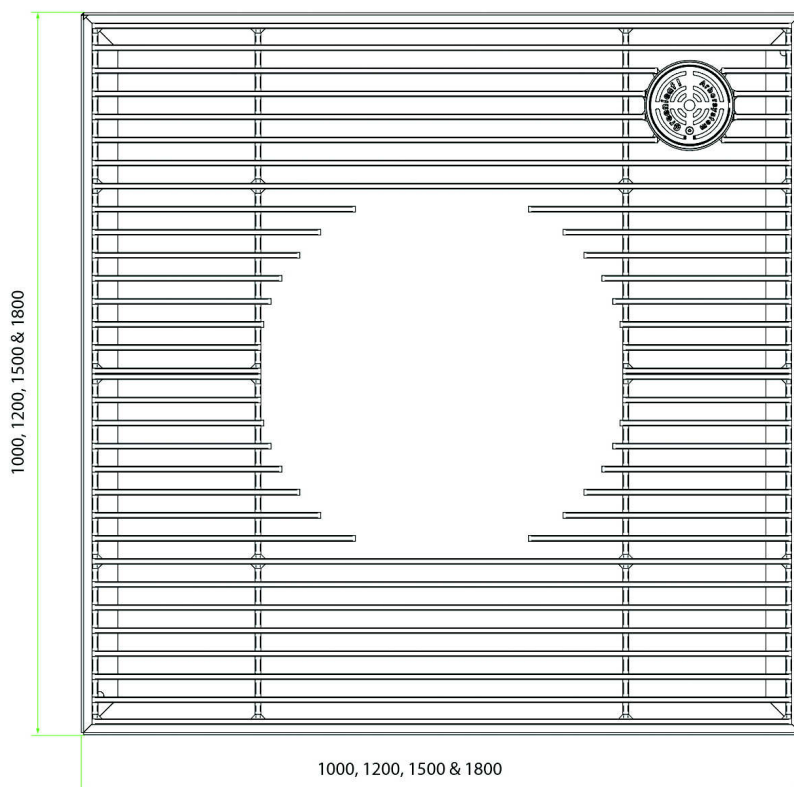
Segments and frame galvanised
to BS EN 146 1999

COLOUR

Galvanized

WEIGHT

TBA



Note: Centre radius varies depending on outside dimensions

Product data sheet

YARE DTS TREE GRILLE

TYPE

Yare

CODE SIZE (DIAMETER)

YARE10A 1000mm

YARE12A 1200mm

MATERIAL

Segments: Ductile iron

Frame: Mild steel

Fixings: Stainless steel

LOAD BEARING CAPACITY

Maximum 5 tonne wheel load

FINISH

Segments: Zinc rich primer with
polyester powder top coat
to DIN EN ISO 12944-2

Frame: Galvanized to BS EN 146 1999

COLOUR

Segments RAL 9005 Satin.

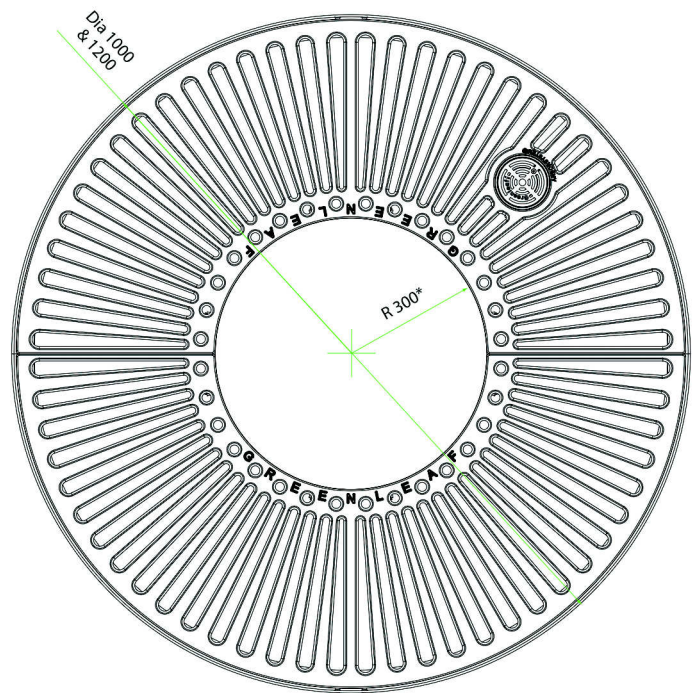
Other RAL colours

available to special order

WEIGHT

YARE10A 74kg

YARE12A 84kg



*Note: 1000 grille has a centre radius of 250