

# FTS Dart Tree Grille

Fully integrated fabricated steel tree grille systems.



\* Image shown is for reference only. Actual product may differ slightly.

## Overview

Designing tree grilles is something GreenBlue Urban have been doing for over 2 decades. Beautiful timeless patterns have been created which add quality and flair to the urban environment. The fundamental critical purpose of tree grilles is to prevent soil compaction around the rootball. We have developed highly engineered design principles and finishing processes to ensure the durability of the structure and the coatings is robust enough to perform under harsh urban environments.

## Features

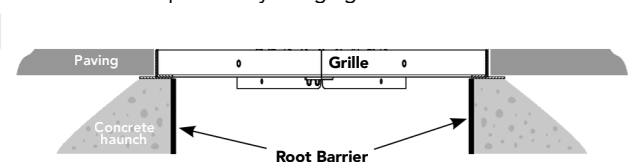
- Heavy duty galvanised support frame
- Mild steel powder coated segments (galvanised available upon special request)
- Integrated irrigation system
- Anti-theft lugs
- Stainless steel fixings
- Fully compatible / integrates with GBU below ground systems

## Benefits

- Prevents compaction of soil
- Enables gaseous exchange and water to freely access rooting area
- Can be disassembled if needed for major tree maintenance
- Design and built to be strong enough for vehicular overrun

## Purpose

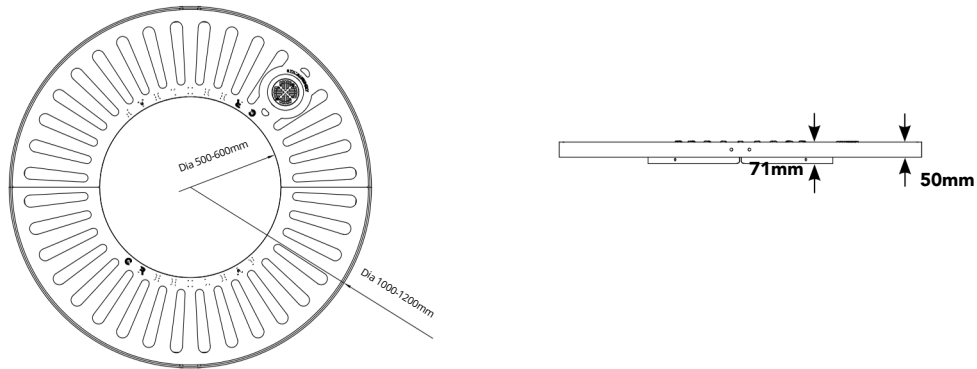
Prevent soil compaction by bridging between concrete haunches.



	Code	Perimeter Dimensions	Internal Aperture Diameter	Includes:
Product codes	DART10B	1000mm	500mm	- Heavy duty galvanised or powder coated support frame
	DART12B	1200mm	600mm	- Galvanised or powder coated grille segments - Cast aluminium RootRain irrigation inlet - Perforated pipe RootRain irrigation system - Stainless steel fixings

Bespoke sizes available upon request

#### Dimensions



**Vehicle Overrun** Maximum 1.5 tonne SMWL (Slow Moving Wheel Load)

Specially developed 3-stage double-coat powder coat finishing process.

Tested to Artificial Weathering ISO 11341, Natural Weathering ISO 2810  
 Conforms to Corrosiveness Category C5-Industry / C5-Martime - Durability Range of 'High' Exp. lifespan >15yrs  
 Conforms to ISO 12944-6 - IM3 - soil and the Durability Range of 'High' Exp. lifespan >15yrs  
 Resistance to Humidity: 720 hours according to ISO 6270  
 Kesternich Test: 30 cycles according to ISO 3231  
 Adhesion Test: 0 according to ISO 2409  
 Buchholz Indentation Test: >87 according to ISO 2815  
 Porosity Density Test: 'non-porous' according to DIN 55 670

#### Powder Coat Finish

Specific slip resistance performance available to order

Standard colour RAL 9005 Matt Black. Full range of RAL colours available to order

#### Accessories

**Available to order**  
 Spare fixing kit  
 Guard to grille fixing pack

#### Maintenance

**Annual inspection**  
 Clean irrigation and aeration inlet filter brushes  
 Assess physical / cosmetic damage, spray protect exposed metal  
 Remove grille if central aperture threatens to restrict tree growth

#### Bespoke Options

Full design and development service available  
 Heel safe / DDA requirements  
 HGV loading requirements  
 Slip resistance requirement  
 Full range of RAL colours available to order  
 Also available in corten steel, stainless steel and aluminium upon request.