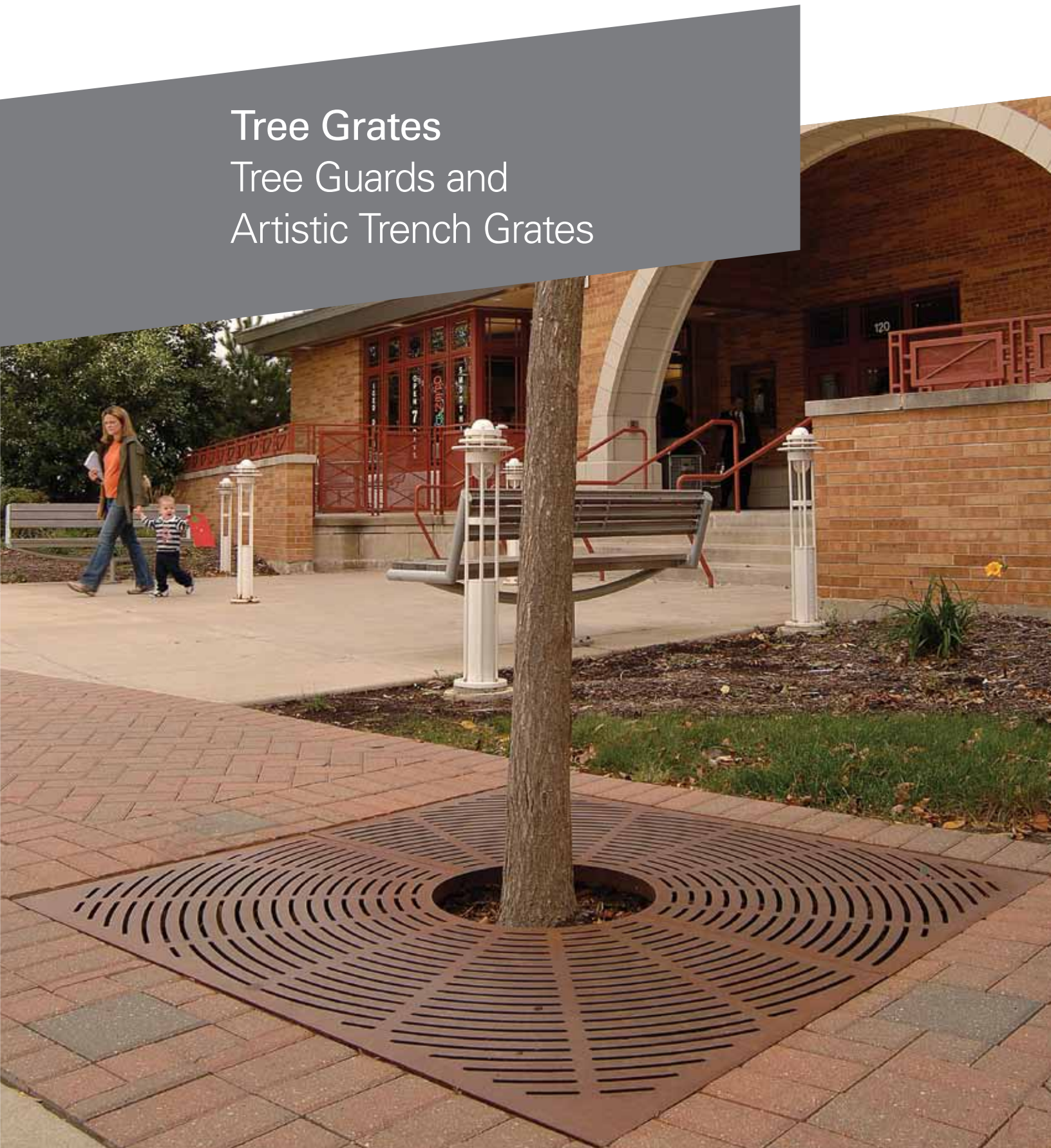




ej

ejco.com  
800 626 4653

# Tree Grates Tree Guards and Artistic Trench Grates



# Table of Contents

## Tree Grates

## Tree Guards and

## Artistic Trench Grates

<b>Features and Options</b>	<b>4</b>
<b>Designer Series</b>	<b>6</b>
<b>Classic Series</b>	<b>18</b>
<b>Tree Grate Frames</b>	<b>23</b>
<b>Tree Guards</b>	<b>24</b>
<b>Artistic Trench Grates</b>	<b>25</b>
<b>Specifications, Installation</b>	<b>27</b>
<b>Tree Grate Sizes</b>	<b>28</b>

### Table of Contents

<b>Tree Grate Features and Options</b>	Features and Options	4	
	<a href="#">Expandable Tree Openings</a>	5	<a href="#">Expandable tree openings. Replace the center rings as your tree grows.</a>
<b>Designer Series</b>	Ginkgo	6	
	Foliage	7	
	Chelsea	8	
	Metropolis	9	
	Patriot	10	
	Mesa	11	
	Trademark	12	
	Garland	13	
	Orbit	14	
	Manhattan	16	
	Belvedere	17	
<b>Classic Series</b>	Plaza	18	
	Sunray	19	
	Nova	20	
	Prism	20	
	Boardwalk	21	
	Rio	21	
	Provence	22	
	Retrofit	22	
<b>Tree Grate Frames</b>	Tree Grate Frames	23	
<b>Tree Guards</b>	Tree Guards	24	
<b>Artistic Trench Grates</b>	Artistic Trench Grates	25	
<b>Environmentally Friendly</b>	<a href="#">Environmental Policy and Standards</a>	26	<a href="#">Minimizing our impact on the environment.</a>
<b>Specifications, Installation</b>	Specifications	27	
	Installation	27	
<b>Tree Grate Sizes</b>	<a href="#">Tree Grate Sizes in Inches</a>	28	<a href="#">Tree Grate Size Charts are provided in inches and millimeters.</a>
	<a href="#">Tree Grate Sizes in Millimeters</a>	29	



# Tree Grates

## Complement Your Streetscape



**Cast Iron ... The Natural Choice.** Cast iron grating is strong, durable, and stands up to harsh environmental conditions. In its natural state, gray iron develops a pleasant, dark brown patina as it ages. Cast iron is inherently resistant to corrosion from natural elements and will last for many, many years in its original state.

All grates are Made in the USA and contain a minimum of 85% recycled materials. Hundreds of tons per day of waste ferrous materials, including old car parts, appliances, and obsolete farm equipment are recycled to produce castings for your infrastructure.

### Tree Grates That Complement Your Streetscape

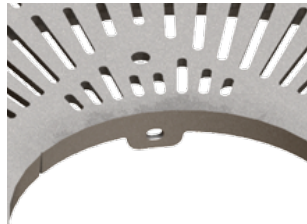
Tree grates manufactured by EJ are durable, functional, and architecturally appealing, and promote healthy tree growth. Outdoors, the grates provide natural drainage and enhance any urban, campus, or park setting. Tree grates provide more area for pedestrian activity while protecting developing trees and root systems, also making them a perfect application for indoor malls. Expandable tree openings allow for tree growth. See page 5 for details. The slotted design allows for efficient watering and is ADA compliant for pedestrian safety. The narrow slot of an ADA grate also prohibits litter from collecting in the tree well and minimizes the growth of weeds.

# Tree Grate Features and Options



## Identify and Customize

Customize your grates with the name of your municipality, corporation, or development. Add your motto, logo or insignia to further strengthen your identity. Custom sizes, sub-grade lighting, tree guards, and matching ADA trench grating are just a few of the options available. We can help you design a tree grate that will be uniquely yours.



## Tree Guard Bolting Tabs

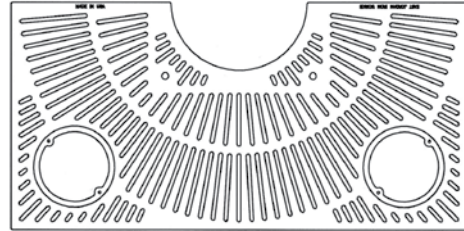
Some of our tree grates are equipped with tree guard bolting tabs for easy and secure installation of tree guards.

## ADA Compliant Tree Grates

EJ has numerous tree grates and trench grates designed to comply with ADA (Americans With Disabilities Act) standards. The guidelines specify that grating, whether tree grates or trench grating, located in pedestrian walkways shall have spaces (slots) no greater than 1/2 inch (12.7 mm) in one direction and holes (square or round) no greater than 1/2 inch (12.7 mm) in diameter. Additionally, if grating has elongated openings, the long dimension is to be perpendicular to the dominant direction of travel.

## Light Port Options

Illuminate the beauty of your trees at night. Several of our tree grate designs offer a light port option allowing for the installation of sub-grade lighting units. Use direct lighting to create a special atmosphere and provide more light to surrounding areas.



Light Ports



Light Port Access Grate

## Security Bolting Feature

EJ has developed a hassle-free way to ensure solid, long lasting security. Compatible with standard hex bolts or special security designs, our EON LOCK® design — an innovative approach to bolted tree grates, provides a reliable and permanent fastening solution.



Security bolting



Security bolting with plastic caps



## Expandable Tree Openings

# Remove or replace the center ring as your tree grows

Plan ahead and your streetscape will remain beautiful for decades!

Among the offering of available tree grate features are numerous models with optional center ring inserts, which can be removed later to accommodate for growth of the tree.

The removable center rings are a convenient way to adjust (expand) the tree grate opening diameter as the tree trunk grows in width. As you plan ahead for plantings and tree pit maintenance of the streetscape, order your grate with one or more of the optional rings. Later, you may remove or swap out a ring to increase the opening size during a higher growth phase as the tree matures.

Another situation for which the rings are beneficial is when changing out an older growth tree. If you need to remove an existing tree and re-plant with another, insert a ring to the grate so that the opening is a more appropriate fit for your new tree. Over time, as the young tree grows, remove the ring to expand the opening diameter again when needed.



Poor size selection for the tree opening results in a unfinished look, significantly crowds the tree, and impairs proper tree growth.



A 16" removable center ring is used when planting a young tree. This helps protect the vulnerable tree.



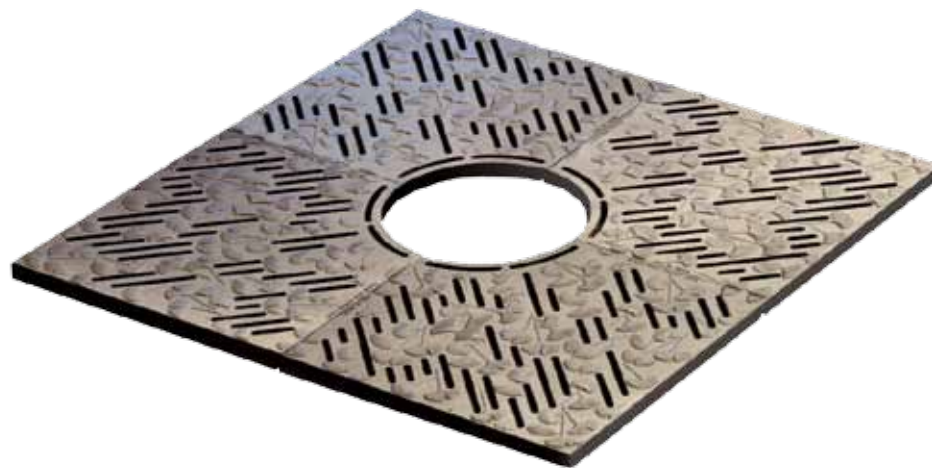
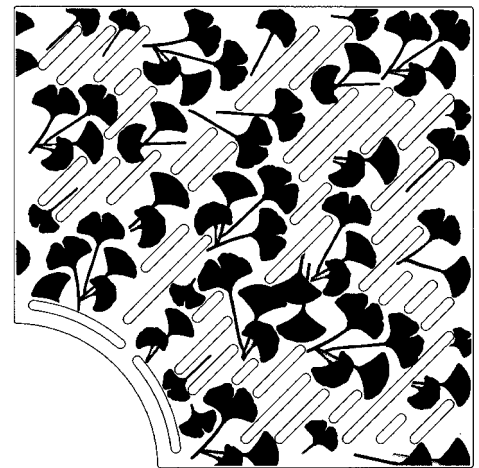
A 24" removable center ring is inserted to the grate to accomodates tree growth for a maturing tree.

### Ordering/Application Example

The 8692 Provence series 48" x 72" rectangular grate has a standard 30" diameter tree opening. To narrow the tree opening to a diameter of 18", order the 8692 30-18D center ring, and insert/install it by placing the two half-rings on to the inner lip of the standard opening, and bolt them together to form the complete ring. To narrow the tree opening to a diameter of 24", order the 8692 30-24D center ring, and install/bolt together in the same manner to complete the ring. Later on, either ring is removable or replaceable to create the desired size opening and accommodate for the growth of your tree.

## GINKGO

*The Ginkgo tree, which naturally flourishes in urban environments, is the inspiration for the Ginkgo design.*



### 8581 Ginkgo

48" (1219 mm) square  
15" (381 mm) diameter tree opening  
Four grates per assembly  
Steel frame

Options

Matching trench grate

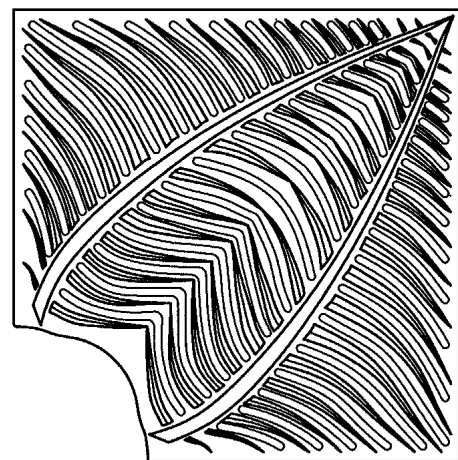
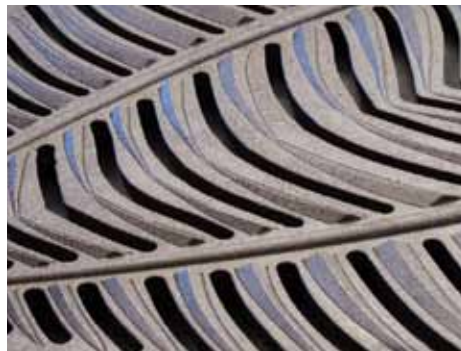


Ginkgo Trench Grate



## FOLIAGE

*Strikingly attractive palm fronds in the Foliage will give a warm, luxuriant feel to your streetscape.*



### 8582 Foliage

60" (1524 mm) square (showing)

Also available in 48" (1219 mm) square and 72" (1828 mm) square

18" (457 mm) diameter tree opening

Four grates per 60" (1524 mm) square assembly

Two grates per 48" (1219 mm) square and 72" (1828 mm) square assembly

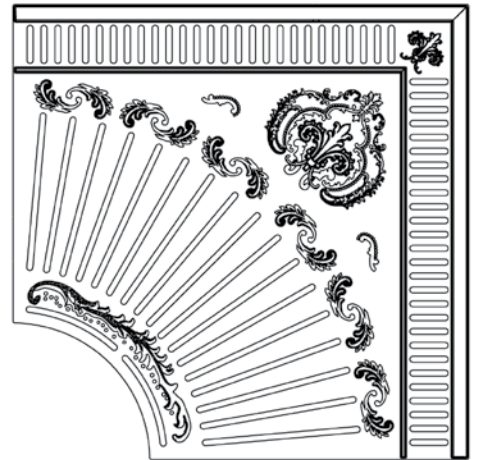
Steel frame

Options

Security bolting

## CHELSEA

*The Chelsea is reminiscent of the Victorian era. The ornate floral designs will remind you of a vintage English garden.*



### 8583 Chelsea

60" (1524 mm) square  
18" (457 mm) diameter tree opening  
Four grates per assembly  
Steel frame

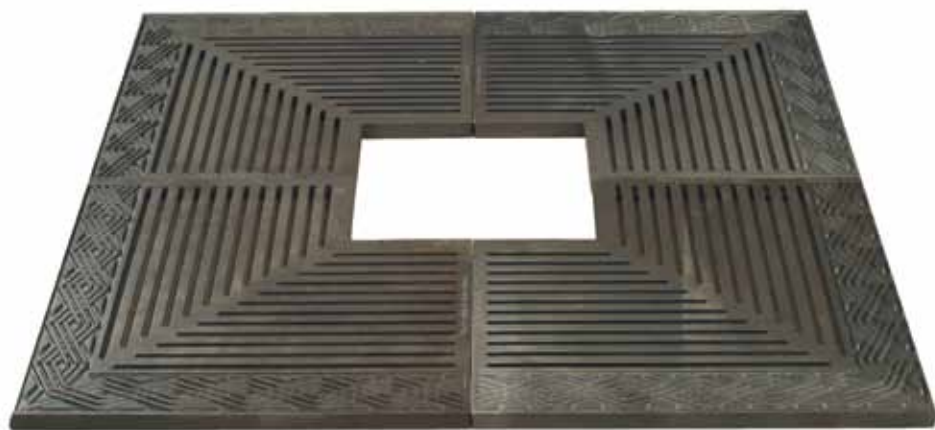
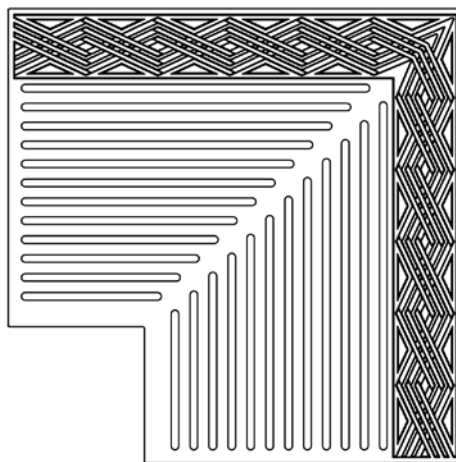
#### Options

Custom logo  
Special lettering



## METROPOLIS

*The Metropolis design conveys a big city vibe with its contemporary style and will fit within any urban area.*



### 8584 Metropolis

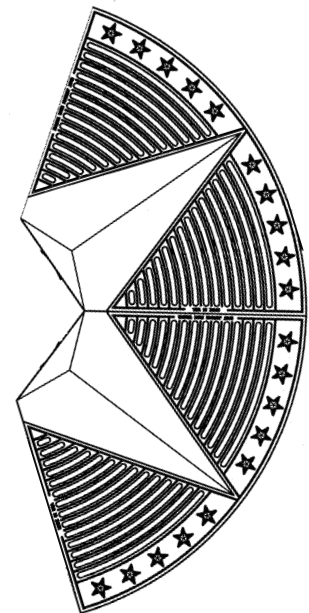
60" (1524 mm) square  
18" (457 mm) square tree opening  
Four grates per assembly  
Steel frame

Options

Special lettering

## PATRIOT

*True to its roots, the Patriot displays great American pride.*



Two Sections  
Illustrated



### 8590 Patriot

60" (1524 mm) diameter  
16" (406 mm) tree opening  
Five grates per assembly  
Steel frame

### Options

Matching trench grate

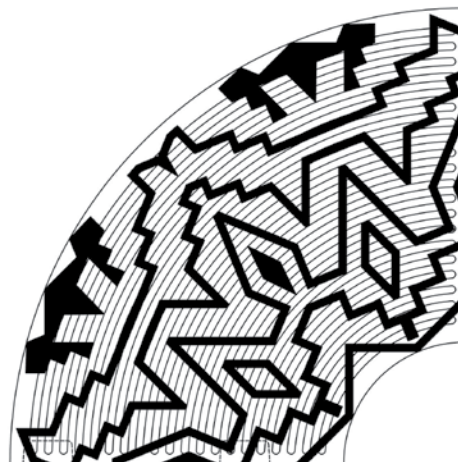


Patriot Trench Grate



## MESA

*Various layers of cast iron is what gives the Mesa its distinctive woven design.*



### 8591 Mesa

60" (1524 mm) diameter

16" (406 mm) diameter tree opening

Four grates per assembly

Steel frame

## TRADEMARK

*Personalize your streetscape with custom logo designs and special lettering with the Trademark tree grate.*



### 8592 Trademark

60" (1524 mm) diameter  
18" (457 mm) diameter tree opening  
Four grates per assembly  
Steel frame

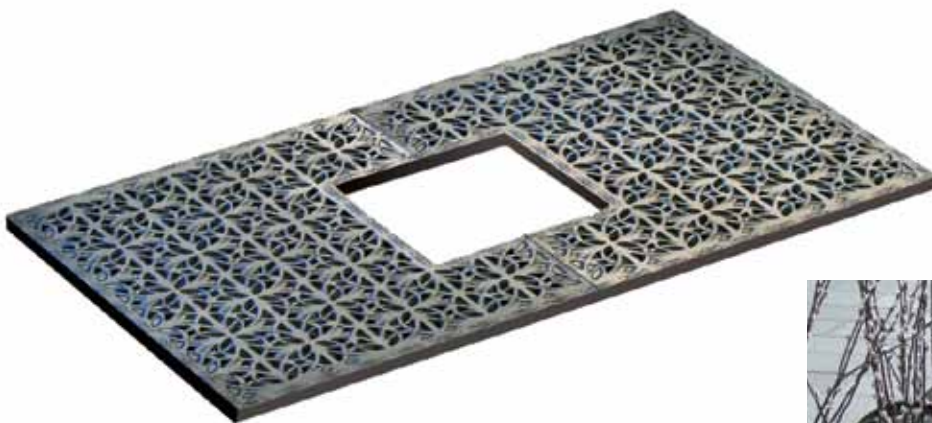
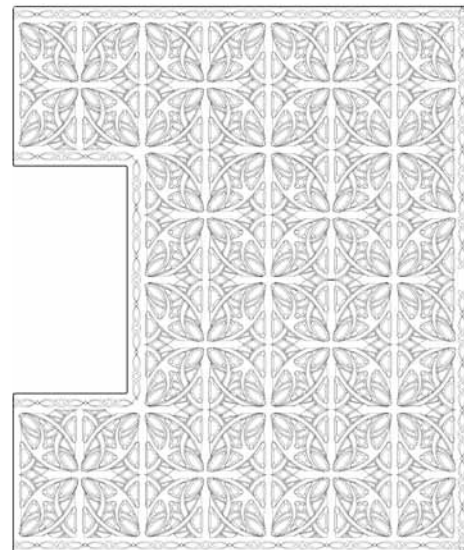
#### Options

Custom logo  
Special lettering



## GARLAND

*The braided ornaments of the Garland tree grate add a festive decoration to any streetscape.*



### 8698 Garland

36" x 60" (914 mm x 1524 mm) rectangular

15" (381 mm) square tree opening

Two grates per assembly

Steel frame

Options

Matching trench grate



Garland Trench Grate

## ORBIT

*Passersby will gravitate to the clean spaces and elliptical shapes of the Orbit design.*



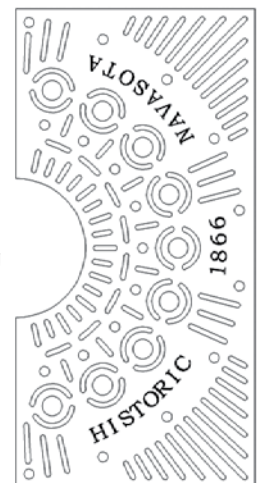
### 8580 48" Square Orbit

48" (1219 mm) square  
18" (457 mm) diameter tree opening  
Two grates per assembly  
Steel frame

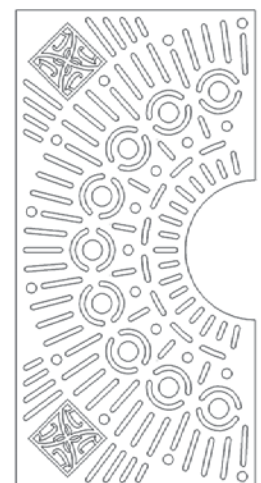
#### Options

Custom logo  
Special lettering

Special  
lettering



Custom  
logos





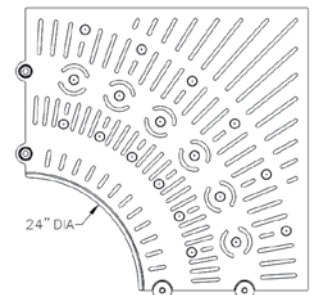
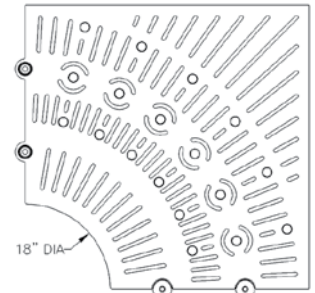
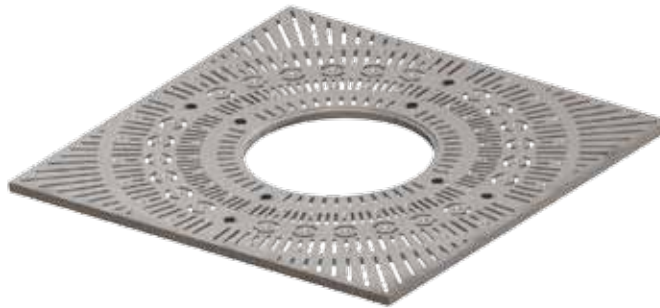
## ORBIT

### 8585 60" Square Orbit

60" (1524 mm) square  
 Standard tree openings are 18" (457 mm)  
 and 24" (609 mm) diameter  
 Four grates per assembly  
 Steel frame

#### Options

Special lettering  
 Security bolting  
 H-10 load rating available  
 18" (457 mm) diameter removable center  
 accommodates tree growth. Available only  
 on the 24" diameter standard tree opening.

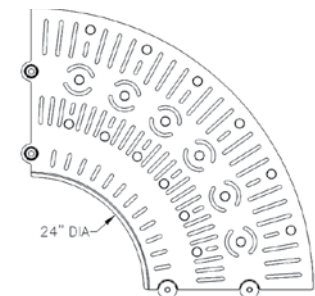
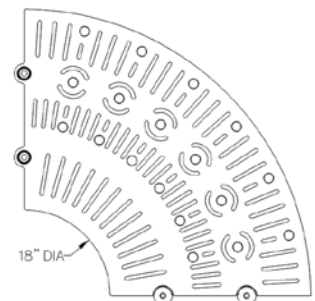


### 8595 60" Round Orbit

60" (1524 mm) diameter (showing)  
 Available in 72" (1828 mm) diameter and  
 48" (1219 mm) diameter  
 Standard tree openings are  
 18" (457 mm) and  
 24" (609 mm) diameter  
 Four grates per assembly  
 Steel frame

#### Options

Special lettering  
 Security bolting  
 H-10 load rating available  
 18" (457 mm) diameter removable center  
 accommodates tree growth. Available only  
 on the 24" diameter standard tree opening.



18" (457 mm) diameter tree opening with  
 removable center ring to accommodate  
 tree growth — 00858563. Available only  
 on the 24" diameter standard tree  
 opening.



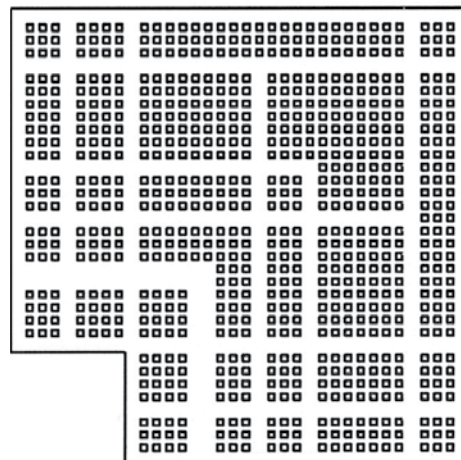
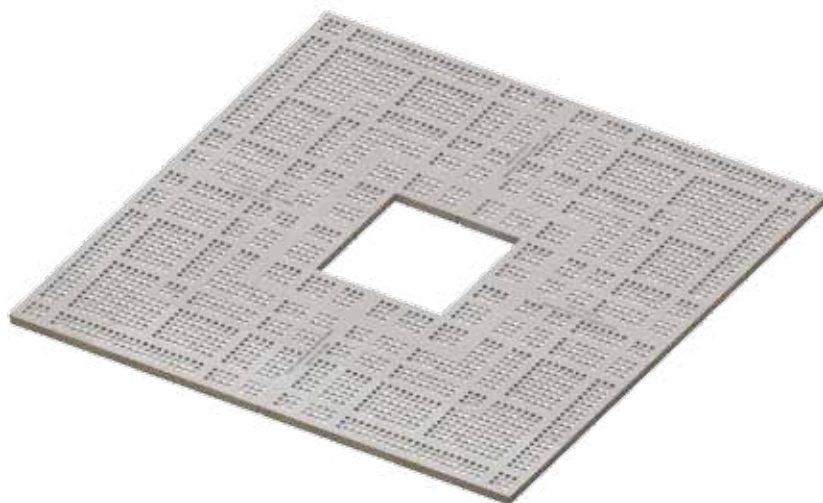
Security bolting



Security bolting with plastic caps

## MANHATTAN

*Clean, efficient, minimalist lines are highlighted in the matrix of the Manhattan, which elicits aerial views of a thriving urban metropolis.*



### 8681 Manhattan

72" (1828 mm) square (showing)

Available in 48" (1219 mm) square and 60" (1524 mm) square

Standard tree openings are 12" (304 mm), 18" (457 mm),

30" (762 mm) square

Four grates per assembly

Steel frame

#### Options

Custom logo

Light port

Security bolting



## BELVEDERE

*The beautiful, charming, yet playful design of the Belvedere adds character to and energizes any community landscape it resides in.*

### 8905 Belvedere Round

60" (1524 mm) diameter grate

Standard tree openings are

16" (406 mm) and

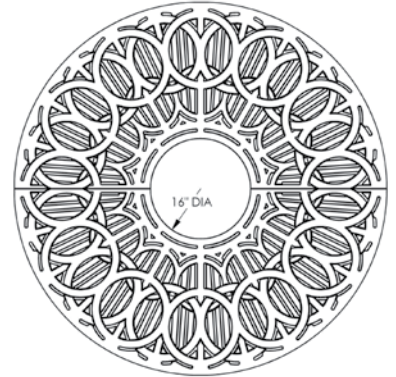
20" (508 mm) diameter

Two grates per assembly

Steel frame

Options

Security bolting



### 8895 Belvedere Square

60" (1524 mm) square grate

Standard tree openings are

16" (406 mm) and

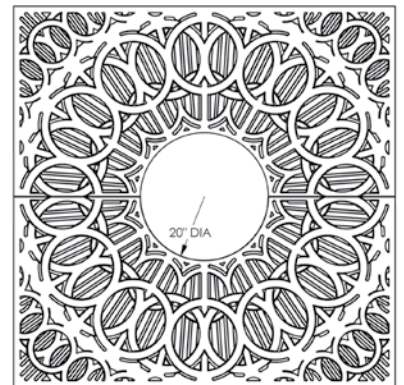
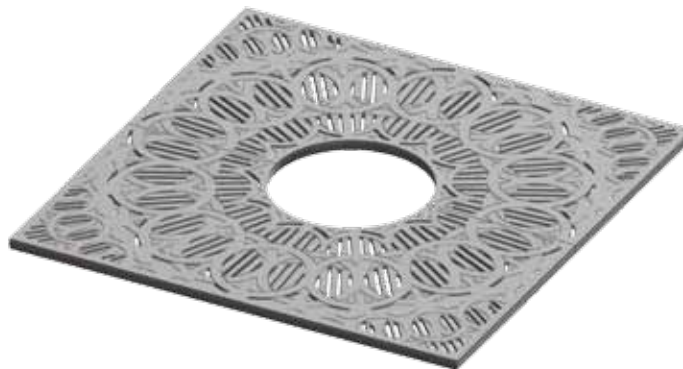
20" (508 mm) diameter

Two grates per assembly

Steel frame

Options

Security bolting



### 8905/8895 Belvedere Half Round and Half Square

60" (1524 mm) grate

Standard tree openings are

16" (406 mm) and

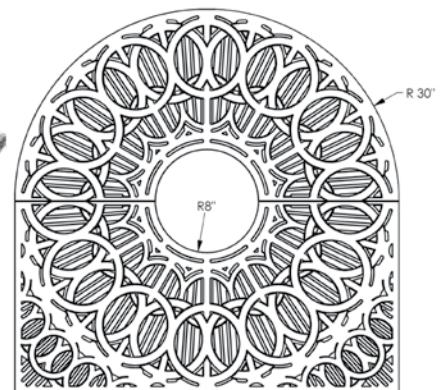
20" (508 mm) diameter

Two grates per assembly

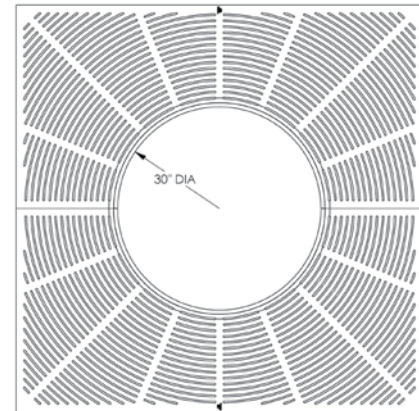
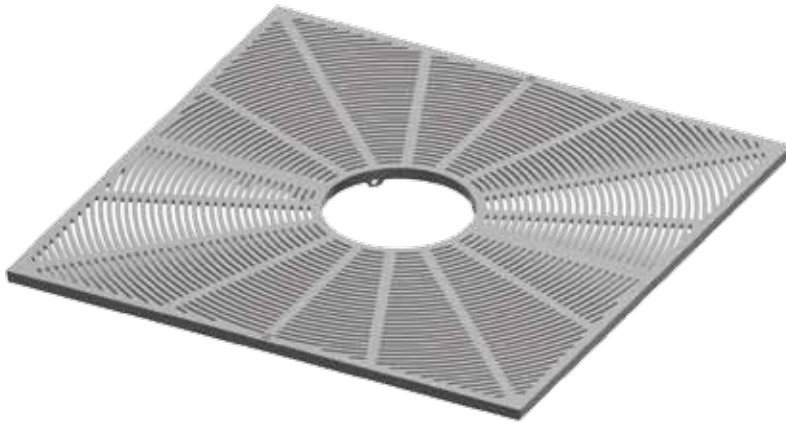
Steel frame

Options

Security bolting



## PLAZA



60" (1524 mm) square tree grate size with  
16" (406 mm) standard tree opening (showing)

**8955 Plaza**

60" (1524 mm) square tree grate size with 16" (406 mm) standard tree opening (showing)

Available in a full range of shapes, sizes, and tree openings —

See size chart below

Two grates per assembly

Steel frame

**Options**

Custom logo

Light port

Security bolting

16" (406 mm), 18" (457 mm), 24" (609 mm) diameter tree opening with removable center ring to accommodate tree growth.

Available only on the 30" diameter standard tree opening.

**Center Rings**

16" (406 mm), 18" (457 mm), 24" (609 mm) diameter tree opening with removable center ring to accommodate tree growth.

Available only on the 30" diameter standard tree opening.



16" removable center ring



18" removable center ring



24" removable center ring

## Plaza Sizes

**Round**

Series Number	Grate Size	Tree Opening Options
8972	30 Dia.	16, 18, 24 Dia.
8973	36 Dia.	16, 18, 24 Dia.
8974	48 Dia.	16, 18, 24, 30 Dia.
8975	60 Dia.	16, 18, 24, 30 Dia.
8976	72 Dia.	16, 18, 24, 30 Dia.

**Rectangular**

8953-2	36 x 60	16, 18, 24, 30 Dia.
8954-2	48 x 72	16, 18, 24, 30 Dia.
8954-4	48 x 96	16, 18, 24, 30 Dia.
8954-6	48 x 108	16, 18, 24, 30 Dia.
8955-5	60 x 96	16, 18, 24, 30 Dia.
8955-6	60 x 120	16, 18, 24, 30 Dia.

**Square**

Series Number	Grate Size	Tree Opening Options
8952	30 Sq.	16, 18, 24 Dia.
8953	36 Sq.	16, 18, 24, 30 Dia.
8954	48 Sq.	16, 18, 24, 30 Dia.
8955	60 Sq.	16, 18, 24, 30 Dia.
8956	72 Sq.	16, 18, 24, 30 Dia.
8955R	Retrofit	16 Dia.

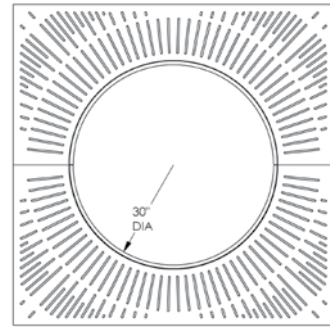
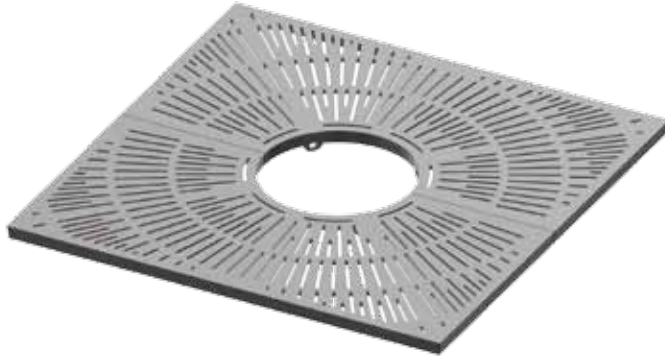
**Combination Half Round and Half Square**

8972/8952	30	16, 18 Dia.
8973/8953	36	16, 18, 24, 30 Dia.
8974/8954	48	16, 18, 24, 30 Dia.
8975/8955	60	16, 18, 24, 30 Dia.
8976/8956	72	16, 18, 24, 30 Dia.

Note: All dimensions are in inches.



## SUNRAY



48" (1219 mm) square tree grate size with  
16" (406 mm) standard tree opening (showing)

### 8854 Sunray

48" (1219 mm) square tree grate size with 16" (406 mm) standard tree opening (showing)

Available in a full range of shapes, sizes, and tree openings —

See size chart below

Two grates per assembly

Steel frame

#### Options

Custom logo

Light port

Security bolting

16" (406 mm), 18" (457 mm), 24" (609 mm) diameter tree opening with removable center ring to accommodate tree growth.

Available only on the 30" diameter standard tree opening.

### Center Rings

16" (406 mm), 18" (457 mm), 24" (609 mm) diameter tree opening with removable center ring to accommodate tree growth.

Available only on the 30" diameter standard tree opening.



16" removable center ring



18" removable center ring



24" removable center ring

#### Sunray Sizes

##### Round

Series Number	Grate Size	Tree Opening Options
8872	30 Dia.	16, 18, 24 Dia.
8873	36 Dia.	16, 18, 24 Dia.
8874	48 Dia.	16, 18, 24, 30 Dia.
8875	60 Dia.	16, 18, 24, 30 Dia.
8876	72 Dia.	16, 18, 24, 30 Dia.

##### Rectangular

8853-1	36 x 48	16, 18, 24, 30 Dia.
8853-2	36 x 60	16, 18, 24, 30 Dia.
8853-3	36 x 72	16, 18, 24, 30 Dia.
8854-2	48 x 72	16, 18, 24, 30 Dia.
8854-4	48 x 96	16, 18, 24, 30 Dia.

##### Square

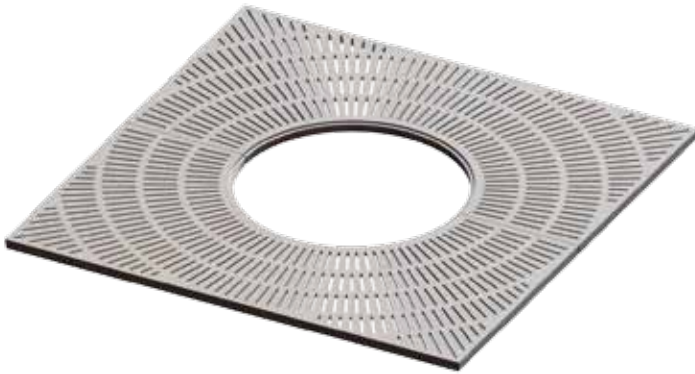
Series Number	Grate Size	Tree Opening Options
8852	30 Sq.	16, 18, 24 Dia.
8853	36 Sq.	16, 18, 24, 30 Dia.
8854	48 Sq.	16, 18, 24, 30 Dia.
8855	60 Sq.	16, 18, 24, 30 Dia.
8856	72 Sq.	16, 18, 24, 30 Dia.

##### Combination Half Round and Half Square

8872/8852	30	16, 18 Dia.
8873/8853	36	16, 18, 24, 30 Dia.
8874/8854	48	16, 18, 24, 30 Dia.
8875/8855	60	16, 18, 24, 30 Dia.
8876/8856	72	16, 18, 24, 30 Dia.

Note: All dimensions are in inches.

## NOVA

**8656 Nova**

72" (1828.8 mm) square (showing)

Available in 60" (1524 mm) square,

36" x 60" (914 mm x 1524 mm) rectangular,

36" x 72" (914 mm x 1828 mm) rectangular

30" (762 mm) diameter tree opening

Two grates per assembly

Steel frame

## Options

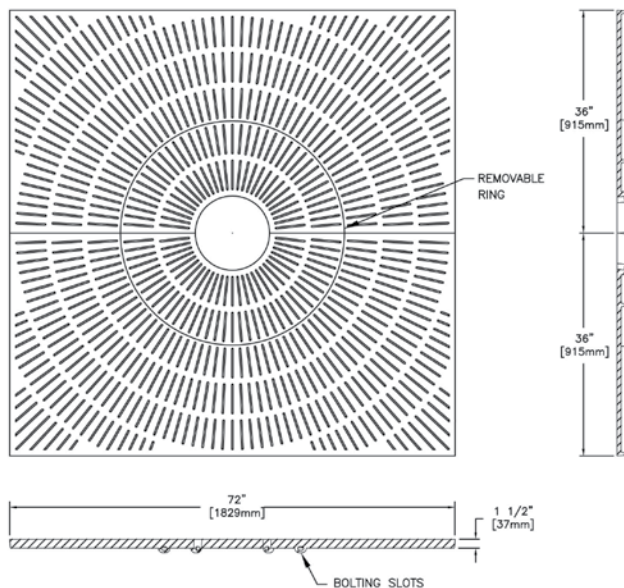
Custom logo

Special lettering

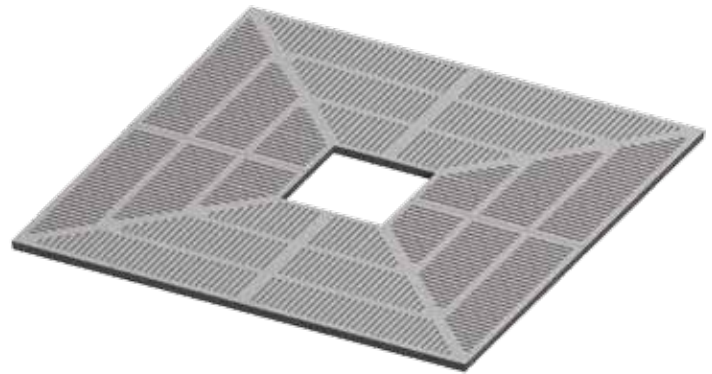
Light port

Security bolting

18" (457 mm), 24" (609 mm) diameter tree opening with removable center ring to accommodate tree growth.  
Available only on the 30" diameter standard tree opening.



## PRISM

**8886 Prism**

72" (1828.8 mm) square (showing)

Available in 48" (1219 mm) square and 60" (1524 mm) square

16" (406 mm), 22" (558 mm), 36" (914 mm) square tree opening

Two grates per assembly

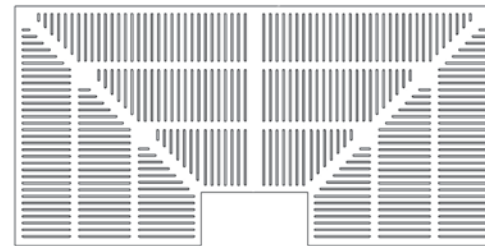
Steel frame

## Options

Custom logo

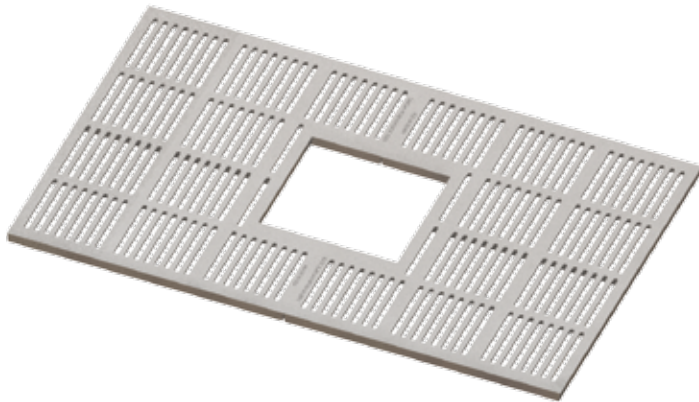
Light port

Security bolting





## BOARDWALK

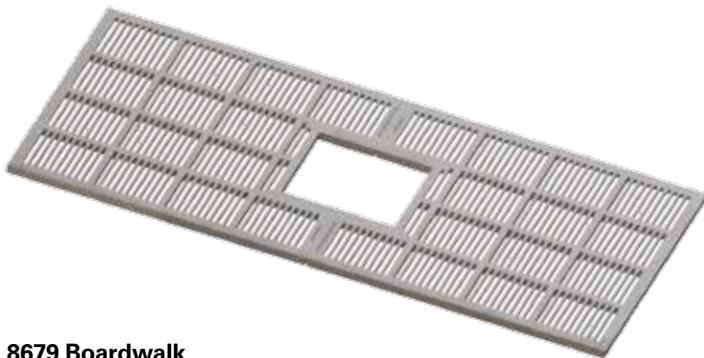
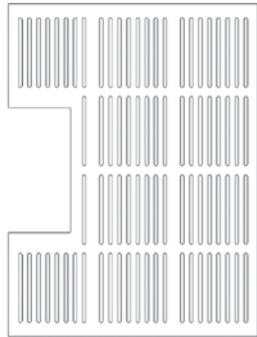


### 8684 Boardwalk

48" x 72" (1219 mm x 1828 mm) rectangular  
18" (457 mm) square tree opening  
Two grates per assembly  
Steel frame

Options

Security bolting



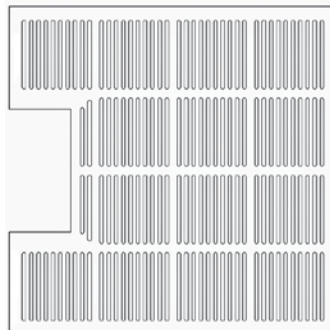
### 8679 Boardwalk

48" x 96" (1219 mm x 2438 mm) rectangular  
18" (457 mm) square tree opening  
Two grates per assembly  
Steel frame

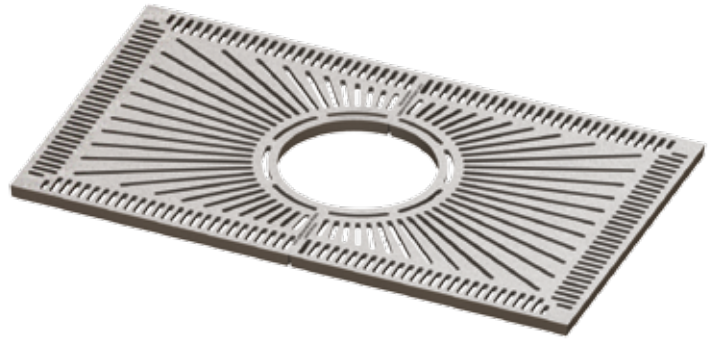
Options

Light port

Security bolting

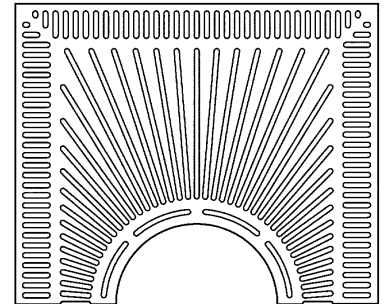


## RIO

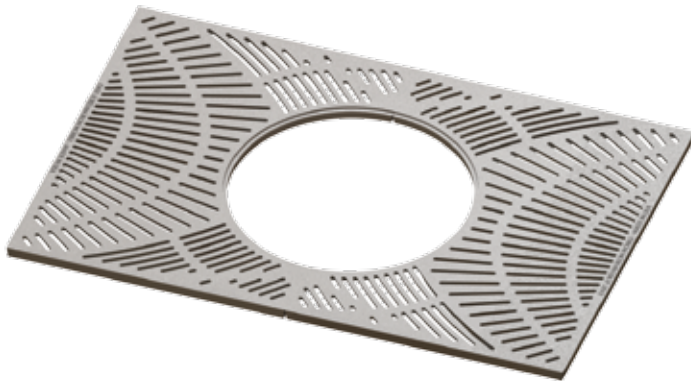


### 8687 Rio

36" x 60" (914 mm x 1524 mm) rectangular  
16" (406 mm) diameter tree opening  
Two grates per assembly  
Steel frame



## PROVENCE



### 8692 Provence

48" x 72" (1219 mm x 1828 mm) rectangular

30" (762 mm) diameter tree opening

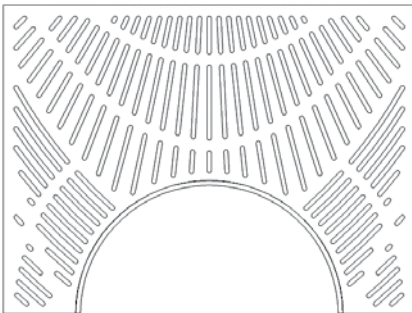
Two grates per assembly

Steel frame

#### Options

18" (457 mm), 24" (609 mm) diameter tree opening with removable center ring to accommodate tree growth.

Available only on the 30" diameter standard tree opening.



## RETROFIT TREE GRATES

EJ offers a tree grate solution for retrofit applications.

Simply cut the concrete to the recommended size and set the tree grate in the hole. You will be sure to have a perfect fit. This tree grate can also be used in new construction by forming the hole to size and eliminating the need to cut the concrete.



Close up section view of the retrofit tree grate. No frame required.

### Retrofit Tree Grate

60" (1524 mm) square

16" (406 mm) diameter tree opening

Two grates per assembly

No frame necessary

#### Options

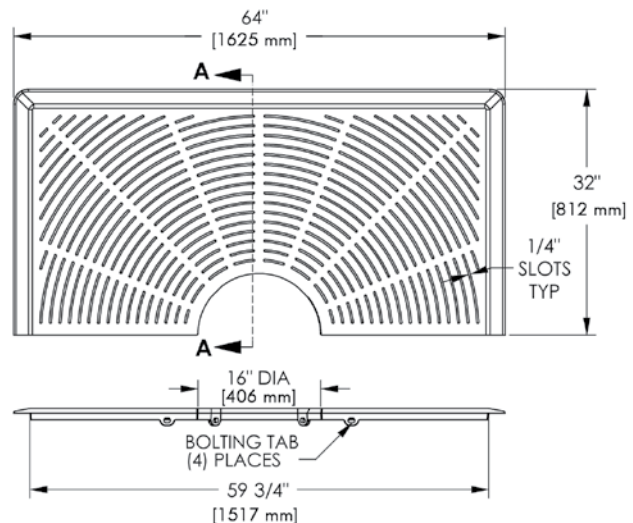
Special lettering

Custom Logo

Security Bolting

18" (457 mm), 24" (609 mm), 30" (762 mm) diameter tree

opening with removable center ring to accommodate tree growth.





## Tree Grate Frames

Tree grate frame options vary depending on the solution needed for your application. Most new tree grate installations utilize the frame option with anchor bars to secure the durable steel frame to the newly poured concrete. For tree grate restorations, EJ offers two different retrofit frame options to help you adjust the level of your tree grate to the ground surface. Tight, secure, and level tree grate installations are simple with our one-piece and multi-piece frame options. Some tree grate designs may require a frame with a center support. Contact your Sales Representative for more specific information.



8 standard 3/8" x 4" concrete anchor bars in frame.



8 standard 3/8" x 4" concrete anchor bars in frame used with pavers in surrounding area.



For retrofit application in saw cut concrete. Use (leg down orientation) when existing hole is same as grate size.

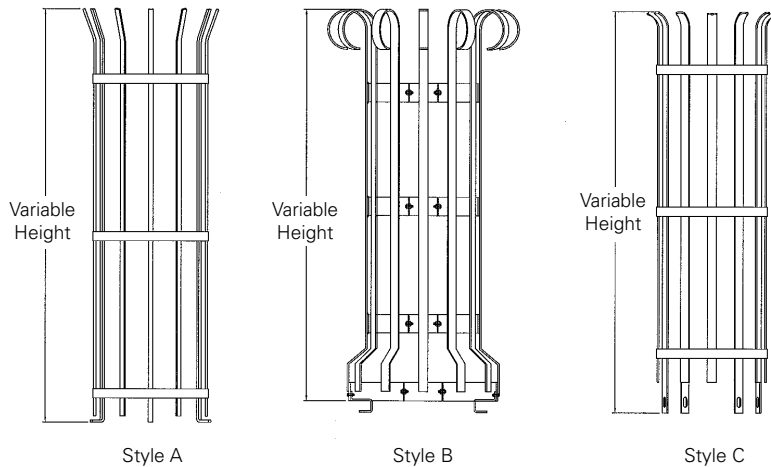


For retrofit applications in saw cut concrete or existing curb (leg up frame orientation).

## Steel Tree Guards

Tree guards are fabricated from hot rolled steel in several different styles, diameters and heights. Tree guards are fabricated in two halves, with welded connections between vertical and horizontal bars. The two halves are easily assembled and bolted together after placement around the tree. Tree guards are supplied standard with a flat black Rustoleum® finish.

Custom designs can also be fabricated to meet your specifications. Our marketing and engineering team is available to help with any of your design needs.

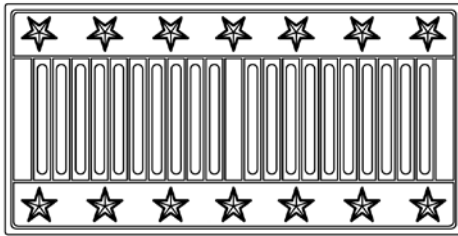


Custom fabricated tree guards

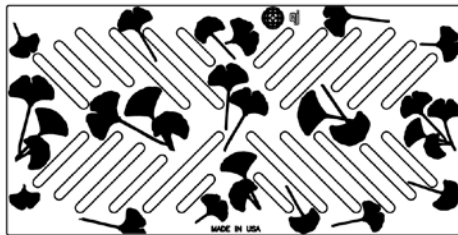


## Artistic Trench Grates

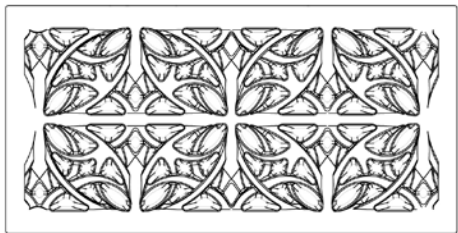
Surface drainage for dynamic public spaces require a unique solution. Make an impression with our cast iron ADA designer trench grates. Patterns that coordinate with our exclusive tree grates are cast in 24" lengths, 1-1/2" seat. Optional 6950 cast iron frames are available in 24", 36" and 48" lengths. For security, bolted trench grate units are assembled in 24" sections using stainless steel 1/2" hex bolts and special lock washers. Call for additional widths.



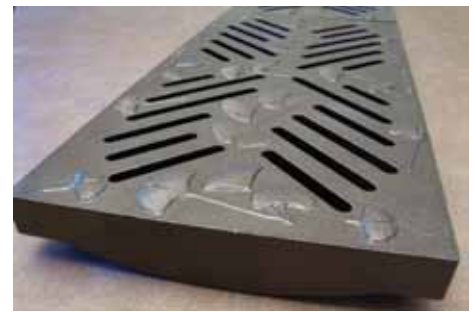
6893 Patriot 12" x 24"



6883 Ginkgo 12" x 24"



6873 Garland 12" x 24"



Durable cast iron round drainage grates are designed to complement our designer tree grates and trench grating. Call your sales representative for availability and sizes.

# Environmentally Friendly

## Our Environmental Policy

*EJ is committed to operate in full compliance with the letter and spirit of environmental laws and regulations. Our facilities will strive for continuous environmental improvement and use production processes and controls that minimize our impact on the environment.*

Our castings contain over 85% recycled content and our foundries meet some of the most stringent environmental regulations in the world.

- Thousands of tons of scrap metal, that otherwise may be strewn across the country side or dumped in landfills, are recycled annually and turned into useable infrastructure products.
- Our foundries meet the Environmental Protection Agency's new air quality Maximum Achievable Control Technology Standards (MACT). The MACT rules require stack testing and additional record keeping and reporting on several air pollution control systems.
- Heated air once lost to the environment is now captured and reused in the melting process.
- Over 90% of our green sand is reclaimed daily and reused in our process.
- EJ makes use of the by-products from the melt process whenever possible. In foundry terms, one of these substances is called "Slag". It is known to other industries as "Calcium Stabilizer" because of its high calcium content and lack of metallics. It can be reused by other industries to replace fine aggregate in products such as asphalt, portland cement, and concrete blocks. During harsh winter months, county road commissions use calcium stabilizer for sanding roads to improve vehicle traction.

**To us, environmental protection is a personal concern because, like you, we want to breathe clean air, drink safe water, and enjoy our environment.**

EJ is an active member of:



Unpainted tree grates, over time, develop a natural patina when exposed to the elements. This appealing color blends nicely with the surrounding environment.

## Cast Iron – Natural Patina

Asphaltic base paint, powder coating, and other materials used to paint castings are simply cosmetic and provide no value to your infrastructure.

Unlike steel, cast iron has much higher concentrations of carbon and silicon, which provide a substantial resistance to corrosion. Cast iron has been known to function for centuries without failure.

Painting can be used to conceal casting defects, and many departments of transportation specify non-painted castings as a protective measure against this problem.

## Leading The Way

We greatly value our customers and the relationships we have cultivated over the past 129 years in the business. With your support we will continue to lead the construction castings industry and add value to the design, manufacture, and distribution of our products.

## Our Products and LEED® Credits

Products manufactured by EJ may earn you LEED® credits in the Materials and Resources category. Our environmentally friendly products and standards offer real benefits to any company choosing green construction.



# Specifications

## General

This specification is applicable for gray iron tree grate castings. All castings shall be manufactured in the United States of America by EJ. All manufacturers shall be approved suppliers prior to supplying castings.

## Materials

Gray iron castings shall be manufactured from iron conforming to ASTM A48, Class 35B. The iron material used in products provided shall have a minimum recycled material content of 85%. The recycled materials shall consist of post-consumer material.

## Manufacture

Castings shall be of uniform quality, free from sand holes, gas holes, shrinkage, cracks, and other surface defects. Castings shall be ground smooth and well cleaned by shot blasting. Castings shall be furnished unpainted or as specified by the purchaser.

## Certification

A foundry certification shall be furnished to the purchaser stating that the products supplied are in accordance with this specification.

## Marking

Each casting shall be identifiable and show, at a minimum, the following: name of the producing foundry, country of manufacture (such as "Made in USA"), individual part number, and cast or heat date. Castings shall include all lettering as shown on the drawings.

## Tree Frames & Guards

Tree grate frames and guards shall be made in the USA and manufactured from fabricated steel.

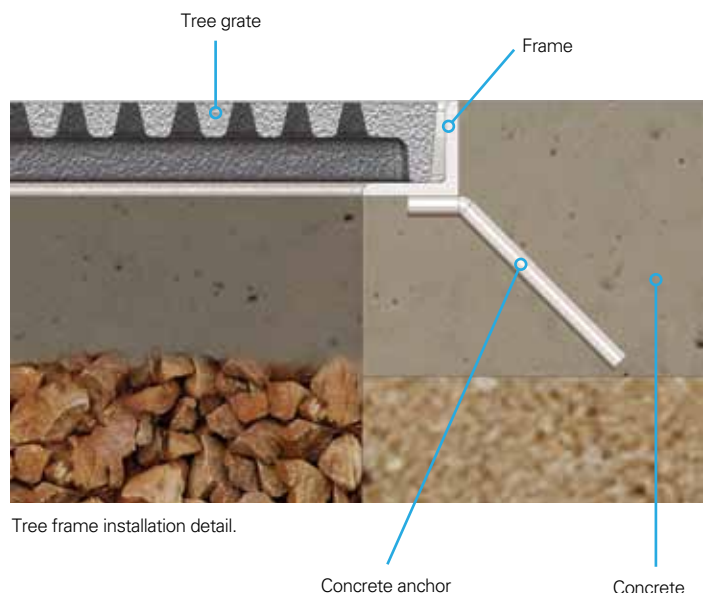
## ADA Compliant Tree Grates

Castings are designed to comply with ADA (Americans With Disabilities Act) standards. The guidelines specify that grating, whether tree grates or trench grating, located in pedestrian walkways shall have spaces (slots) no greater than 1/2 inch in one direction and holes (square or round) no greater than 1/2 inch in diameter. Additionally, if grating has elongated openings, the long dimension is to be perpendicular to the dominant direction of travel.

# Installation

## Tree Grate Installation Tips

1. Tree grate frames are available in one piece or in sections, depending on the tree grate series and size. Please note that when installing around an existing tree, the frame must be supplied in multiple sections and assembled at the job location. Be sure to order the proper frame for the application.
2. When installing tree grates and frames, be sure to set the frame at the proper grade.
3. If the frame requires assembly, tighten the bolts so that the frame pieces remain level and true during installation.
4. Frames shall be formed to remain plumb, level, and square. It is recommended that spreaders, stakes, or other type of support be used when forming. This is important because the frame may shift or deform due to the weight of surrounding materials (such as concrete) if not properly supported.
5. Do not remove the frame support formwork until concrete is cured.



## Tree Grate Sizes (Inches)

## Round Tree Grates

Series Name	Series Number	Grate Size	Tree Opening Options
Sunray	8872	30 Dia.	16, 18, 24 Dia.
Plaza	8972	30 Dia.	16, 18, 24 Dia.
Sunray	8873	36 Dia.	16, 18, 24 Dia.
Plaza	8973	36 Dia.	16, 18, 24 Dia.
Orbit	8594	48 Dia.	18, 24 Dia.
Sunray	8874	48 Dia.	16, 18, 24, 30 Dia.
Plaza	8974	48 Dia.	16, 18, 24, 30 Dia.
Patriot	8590	60 Dia.	16 Dia.
Mesa	8591	60 Dia.	16 Dia.
Trademark	8592	60 Dia.	18 Dia.
Orbit	8595	60 Dia.	18, 24 Dia.
Sunray	8875	60 Dia.	16, 18, 24, 30 Dia.
Belvedere	8905	60 Dia.	16, 20 Dia.
Plaza	8975	60 Dia.	16, 18, 24, 30 Dia.
Orbit	8596	72 Dia.	18, 24 Dia.
Sunray	8876	72 Dia.	16, 18, 24, 30 Dia.
Plaza	8976	72 Dia.	16, 18, 24, 30 Dia.

## Rectangular Tree Grates

Sunray	8853-1	36 x 48	16, 18, 24, 30 Dia.
Nova	8686	36 x 60	16 Dia.
Rio	8687	36 x 60	16 Dia.
Garland	8698	36 x 60	15 Square
Sunray	8853-2	36 x 60	16, 18, 24, 30 Dia.
Plaza	8953-2	36 x 60	16, 18, 24, 30 Dia.
Nova	8676	36 x 72	12 Dia.
Sunray	8853-3	36 x 72	16, 18, 24, 30 Dia.
Sunray	8854-2	48 x 72	16, 18, 24, 30 Dia.
Boardwalk	8684	48 x 72	18 Square
Provence	8692	48 x 72	30 Dia.
Plaza	8954-2	48 x 72	16, 18, 24, 30 Dia.
Boardwalk	8679	48 x 96	18 Square
Sunray	8854-4	48 x 96	16, 18, 24, 30 Dia.
Plaza	8954-4	48 x 96	16, 18, 24, 30 Dia.
Plaza	8954-6	48 x 108	16, 18, 24, 30 Dia.
Plaza	8955-5	60 x 96	16, 18, 24, 30 Dia.
Plaza	8955-6	60 x 120	16, 18, 24, 30 Dia.

Note: All dimensions are in inches.

## Square Tree Grates

Series Name	Series Number	Grate Size	Tree Opening Options
Sunray	8852	30 Sq.	16, 18, 24 Dia.
Plaza	8952	30 Sq.	16, 18, 24 Dia.
Sunray	8853	36 Sq.	16, 18, 24, 30 Dia.
Plaza	8953	36 Sq.	16, 18, 24, 30 Dia.
Orbit	8580	48 Sq.	18 Dia.
Ginkgo	8581	48 Sq.	15 Dia.
Manhattan	8804	48 Sq.	12, 18, 30 Dia.
Sunray	8854	48 Sq.	16, 18, 24, 30 Dia.
Prism	8884	48 Sq.	16, 22 Dia.
Foliage	8924	48 Sq.	18 Dia.
Plaza	8954	48 Sq.	16, 18, 24, 30 Dia.
Foliage	8582	60 Sq.	18 Dia.
Chelsea	8583	60 Sq.	18 Dia.
Metropolis	8584	60 Sq.	18 Square
Orbit	8585	60 Sq.	18, 24 Dia.
Nova	8655	60 Sq.	30 Dia.
Manhattan	8805	60 Sq.	12, 18, 30 Dia.
Sunray	8855	60 Sq.	16, 18, 24, 30 Dia.
Prism	8885	60 Sq.	16, 22 Dia.
Belvedere	8895	60 Sq.	16, 20 Dia.
Plaza	8955	60 Sq.	16, 18, 24, 30 Dia.
Orbit	8586	72 Sq.	18, 24 Dia.
Nova	8656	72 Sq.	30 Dia.
Manhattan	8681	72 Sq.	18 Dia.
Sunray	8856	72 Sq.	16, 18, 24, 30 Dia.
Prism	8886	72 Sq.	16, 22, 36 Dia.
Foliage	8926	72 Sq.	18 Dia.
Plaza	8956	72 Sq.	16, 18, 24, 30 Dia.
Plaza	8955R	Retrofit	16 Dia.

## Combination Half Round and Half Square Tree Grates

Sunray	8872/8852	30	16, 18 Dia.
Plaza	8972/8952	30	16, 18 Dia.
Sunray	8873/8853	36	16, 18, 24, 30 Dia.
Plaza	8973/8953	36	16, 18, 24, 30 Dia.
Orbit	8594/8580	48	18, 24 Dia.
Sunray	8874/8854	48	16, 18, 24, 30 Dia.
Plaza	8974/8954	48	16, 18, 24, 30 Dia.
Orbit	8595/8585	60	18, 24 Dia.
Sunray	8875/8855	60	16, 18, 24, 30 Dia.
Belvedere	8905/8895	60	16, 20 Dia.
Plaza	8975/8955	60	16, 18, 24, 30 Dia.
Orbit	8596/8586	72	18, 24 Dia.
Sunray	8876/8856	72	16, 18, 24, 30 Dia.
Plaza	8976/8956	72	16, 18, 24, 30 Dia.



## Tree Grate Sizes (Millimeters)

## Round Tree Grates

Series Name	Series Number	Grate Size	Tree Opening Options
Sunray	8872	762 Dia.	406, 457, 609 Dia.
Plaza	8972	762 Dia.	406, 457, 609 Dia.
Sunray	8873	914 Dia.	406, 457, 609 Dia.
Plaza	8973	914 Dia.	406, 457, 609 Dia.
Orbit	8594	1219 Dia.	457, 609 Dia.
Sunray	8874	1219 Dia.	406, 457, 609, 762 Dia.
Plaza	8974	1219 Dia.	406, 457, 609, 762 Dia.
Patriot	8590	1524 Dia.	406 Dia.
Mesa	8591	1524 Dia.	406 Dia.
Trademark	8592	1524 Dia.	457 Dia.
Orbit	8595	1524 Dia.	457, 609 Dia.
Sunray	8875	1524 Dia.	406, 457, 609, 762 Dia.
Belvedere	8905	1524 Dia.	406, 508 Dia.
Plaza	8975	1524 Dia.	406, 457, 609, 762 Dia.
Orbit	8596	1828 Dia.	457, 609 Dia.
Sunray	8876	1828 Dia.	406, 457, 609, 762 Dia.
Plaza	8976	1828 Dia.	406, 457, 609, 762 Dia.

## Rectangular Tree Grates

Sunray	8853-1	914 x 1219	406, 457, 609, 762 Dia.
Nova	8686	914 x 1524	406 Dia.
Rio	8687	914 x 1524	406 Dia.
Garland	8698	914 x 1524	381 Square
Sunray	8853-2	914 x 1524	406, 457, 609, 762 Dia.
Plaza	8953-2	914 x 1524	406, 457, 609, 762 Dia.
Nova	8676	914 x 1828	304 Dia.
Sunray	8853-3	914 x 1828	406, 457, 609, 762 Dia.
Sunray	8854-2	1219 x 1828	406, 457, 609, 762 Dia.
Boardwalk	8684	1219 x 1828	457 Square
Provence	8692	1219 x 1828	762 Dia.
Plaza	8954-2	1219 x 1828	406, 457, 609, 762 Dia.
Boardwalk	8679	1219 x 2438	457 Square Dia.
Sunray	8854-4	1219 x 2438	406, 457, 609, 762 Dia.
Plaza	8954-4	1219 x 2438	406, 457, 609, 762 Dia.
Plaza	8954-6	1219 x 2743	406, 457, 609, 762 Dia.
Plaza	8955-5	1524 x 2438	406, 457, 609, 762 Dia.
Plaza	8955-6	1524 x 3048	406, 457, 609, 762 Dia.

Note: All dimensions are in millimeters.

## Square Tree Grates

Series Name	Series Number	Grate Size	Tree Opening Options
Sunray	8852	762 Sq.	406, 457, 609 Dia.
Plaza	8952	762 Sq.	406, 457, 609 Dia.
Sunray	8853	914 Sq.	406, 457, 609, 762 Dia.
Plaza	8953	914 Sq.	406, 457, 609, 762 Dia.
Orbit	8580	1219 Sq.	457 Dia.
Ginkgo	8581	1219 Sq.	381 Dia.
Manhattan	8804	1219 Sq.	304, 457, 762 Dia.
Sunray	8854	1219 Sq.	406, 457, 609, 762 Dia.
Prism	8884	1219 Sq.	406, 558 Dia.
Foliage	8924	1219 Sq.	457 Dia.
Plaza	8954	1219 Sq.	406, 457, 609, 762 Dia.
Foliage	8582	1524 Sq.	457 Dia.
Chelsea	8583	1524 Sq.	457 Dia.
Metropolis	8584	1524 Sq.	457 Square
Orbit	8585	1524 Sq.	457, 609 Dia.
Nova	8655	1524 Sq.	762 Dia.
Manhattan	8805	1524 Sq.	304, 457, 762 Dia.
Sunray	8855	1524 Sq.	406, 457, 609, 762 Dia.
Prism	8885	1524 Sq.	406, 558 Dia.
Belvedere	8895	1524 Sq.	406, 508 Dia.
Plaza	8955	1524 Sq.	406, 457, 609, 762 Dia.
Orbit	8586	1828 Sq.	457, 609 Dia.
Nova	8656	1828 Sq.	762 Dia.
Manhattan	8681	1828 Sq.	457 Dia.
Sunray	8856	1828 Sq.	406, 457, 609, 762 Dia.
Prism	8886	1828 Sq.	406, 558, 914 Dia.
Foliage	8926	1828 Sq.	457 Dia.
Plaza	8956	1828 Sq.	406, 457, 609, 762 Dia.
Plaza	8955R	Retrofit	406 Dia.

## Combination Half Round and Half Square Tree Grates

Sunray	8872/8852	762	406, 457 Dia.
Plaza	8972/8952	762	406, 457 Dia.
Sunray	8873/8853	914	406, 457, 609, 762 Dia.
Plaza	8973/8953	914	406, 457, 609, 762 Dia.
Orbit	8594/8580	1219	457, 609 Dia.
Sunray	8874/8854	1219	406, 457, 609, 762 Dia.
Plaza	8974/8954	1219	406, 457, 609, 762 Dia.
Orbit	8595/8585	1524	457, 609 Dia.
Sunray	8875/8855	1524	406, 457, 609, 762 Dia.
Belvedere	8905/8895	1524	406, 508 Dia.
Plaza	8975/8955	1524	406, 457, 609, 762 Dia.
Orbit	8596/8586	1828	457, 609 Dia.
Sunray	8876/8856	1828	406, 457, 609, 762 Dia.
Plaza	8976/8956	1828	406, 457, 609, 762 Dia.









ej

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East Jordan Iron Works, Inc., East Jordan, Michigan, USA, and its affiliated companies including Norinco in France, Cavanagh in Ireland, McCoy Construction Castings in Canada, and HaveStock in Australia, are pleased to announce that since January 2012, all are conducting business under one brand, EJ.

As EJ, we will continue to provide the same quality products and excellent service that our customers have come to expect. One global name and brand will unify the company and support our vision to be the global leader in infrastructure access solutions.

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**TREE GRATE 0812**