


CASTING AMERICA SINCE 1872

TREE GRATES

MADE IN USA

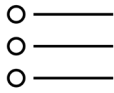
NEENAH
FOUNDRY **NEF**



Since 1872, we at Neenah Foundry have dedicated ourselves to creating products that stand the test of time. Our full line of cast iron tree grates and fabricated steel tree guards continues to be the strongest, most cost-effective solution for protecting and complementing trees in urban environments.

With quality tree grate castings produced entirely in the USA, architects and landscape designers can specify Neenah Foundry with confidence, and choose from the largest selection of tree grates in the industry. Our products aren't just made in America—they make America. Because America is Built on Neenah.

TABLE OF CONTENTS



Metropolitan Collection	pg 4-5
Boulevard Collection	pg 6-7
Avenue Collection	pg 8-9
Riverwalk Collection	pg 10-11
Greenwich Collection	pg 12
Terrace Collection	pg 13
Parkway Collection	pg 14-15
Adirondack Collection	pg 16-17
Capitol Collection	pg 18
Majestic Collection	pg 19
Distinctive Collection	pg 20-25
Retrofit Collection	pg 26-27
Installation	pg 28-29
Custom Castings	pg 30
Tree Guards	pg 31
Reference Guides	pg 32-33

PRODUCT OVERVIEW



GENERAL

Tree grates and frames are made from cast iron.

MATERIAL

Gray iron castings conform to A.S.T.M. A-48, Class 35 or better.

FINISH

All castings are manufactured true to pattern, and component parts fit together seamlessly. They are all high quality; free from blowholes, porosity, hard spots, shrinkage distortion or other defects. They can be cleaned by blasting.

TREE GRATE OPENINGS

All tree grate openings are expandable unless otherwise noted. See reference chart for additional details.

PAINT

Tree grates and frames are furnished without paint or primer as the standard.

SUBMITTALS

Manufacturer's shop drawings are submitted to the architect/engineer for approval prior to manufacturing. The architect/engineer can reject castings that don't conform to their specifications and/or approved submittal drawings.

2-PIECE TREE GRATES

Neenah is well known in the industry as a manufacturer of two-piece tree grates. We recommend using two-piece (180 degree section) tree grates for optimal stability and longevity.

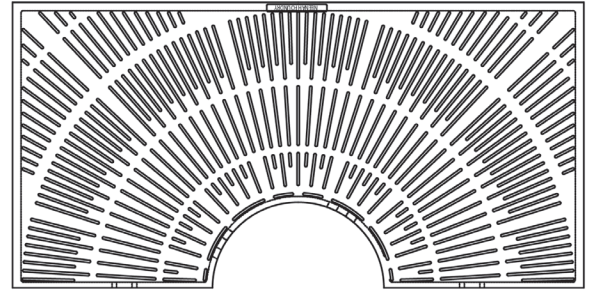
The Architect or Engineer must specify a tree grate number and frame if required. Paint requirements and security bolting requirements must also be specified.

Contact your local Neenah Foundry representative or our Inside Service Sales staff for complete details and submittal drawings of our entire tree grate line.

METROPOLITAN COLLECTION

SQUARE

SERIES NO.	GRATE SIZE	AVAILABLE TREE OPENING SIZES	SLOT SIZE
R-8706-1A	48" x 48"	18", 24" dia.	0.25"
R-8707	60" x 60"	18", 24" dia.	0.25"
R-8709-A	72" x 72"	16", 24" dia.	0.25"
R-8784	96" x 96"	26" dia.	0.25"



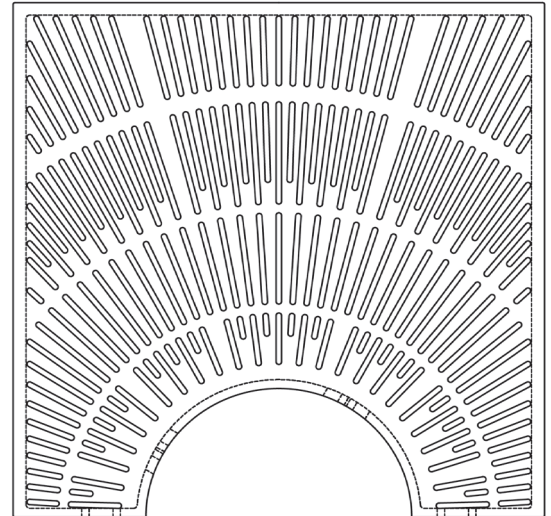
R-8707

DETAILS

- Available with light openings: R-8706-1A, R-8707, R-8709-A, R-8784
- R-8707 available without tree opening

RECTANGLE

SERIES NO.	GRATE SIZE	AVAILABLE TREE OPENING SIZES	SLOT SIZE
R-8835	36" x 48"	12" dia.	0.25"
R-8884	36" x 72"	16" dia.	0.25"
R-8809	36" x 72"	18" dia.	0.375"
R-8815-1	48" x 72"	18", 24" dia.	0.25"
R-8815-A	48" x 96"	18", 26" dia.	0.25"
R-8815-B	48" x 120"	18" dia.	0.25"



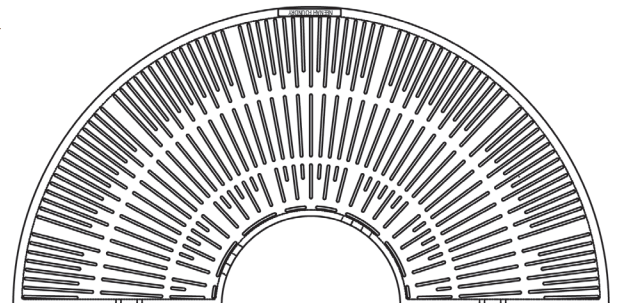
R-8809

DETAILS

- Available with light openings: R-8815-A

CIRCLE

SERIES NO.	GRATE SIZE	AVAILABLE TREE OPENING SIZES	SLOT SIZE
R-8830-A1	48" round	18" dia.	0.25"
R-8834	36" round	12" dia.	0.25"
R-8870	60" round	18" dia.	0.25"
R-8880-A	72" round	24", 36" dia.	0.25"
R-8883	96" round	28" dia.	0.25"



R-8870

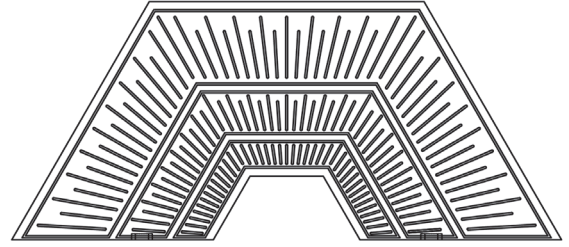
DETAILS

- Available with light openings: R-8830-A1, R-8834, R-8870, R-8880-A, R-8883

METROPOLITAN COLLECTION

HEXAGON

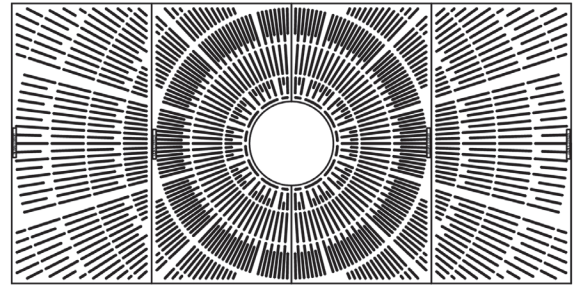
SERIES NO.	GRATE SIZE	AVAILABLE TREE OPENING SIZES	SLOT SIZE
R-8965	60" Hex	16" dia.	0.25"



R-8965

EXTENDED

SERIES NO.	GRATE SIZE	AVAILABLE TREE OPENING SIZES	SLOT SIZE
R-8836	36" x 96"	12" dia.	0.25"
R-8824	36" x 108"	12" dia.	0.25"
R-8884-A	36" x 144"	16" dia.	0.25"
R-8817	48" x 108"	18", 24" dia.	0.25"
R-8815-B4	48" x 120"	18" dia.	0.25"
R-8815	48" x 144"	18" dia.	0.25"
R-8823	60" x 120"	18", 24" dia.	0.25"



R-8823

DETAILS

• Available with light openings: R-8836, R-8817, R-8815-B4, R-8815



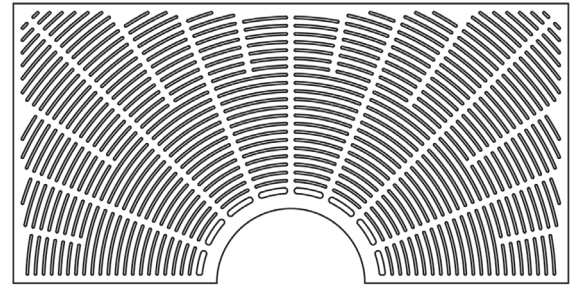
BOULEVARD COLLECTION

SQUARE

SERIES NO.	GRATE SIZE	AVAILABLE TREE OPENING SIZES	SLOT SIZE
R-8708	48" x 48"	16", 20", 24" dia.	0.25"
R-8713	60" x 60"	16", 18", 24", 36" dia.	0.25"
R-8716	72" x 72"	16", 36" dia.	0.375"

DETAILS

- Available with light openings: R-8708, R-8713, R-8716
- R-8713 available without tree opening



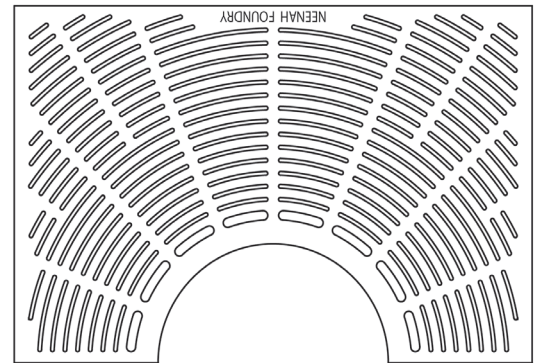
R-8713

RECTANGLE

SERIES NO.	GRATE SIZE	AVAILABLE TREE OPENING SIZES	SLOT SIZE
R-8811	48" x 72"	12", 16", 18", 22", 24" dia.	0.25"
R-8814-A	36" x 48"	16" dia.	0.25"

DETAILS

- Available with light openings: R-8811, R-8814-A



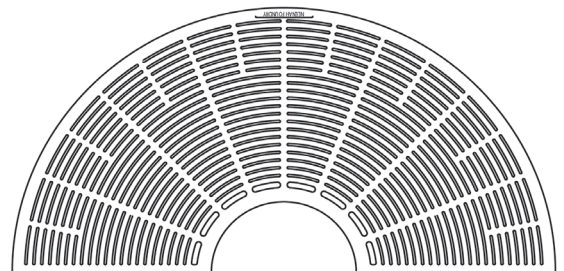
R-8814-A

CIRCLE

SERIES NO.	GRATE SIZE	AVAILABLE TREE OPENING SIZES	SLOT SIZE
R-8832-A	48" round	16", 20" dia	0.25"
R-8838-A	60" round	16", 18", 24" dia.	0.25"

DETAILS

- Available with light openings: R-8832-A, R-8838-A

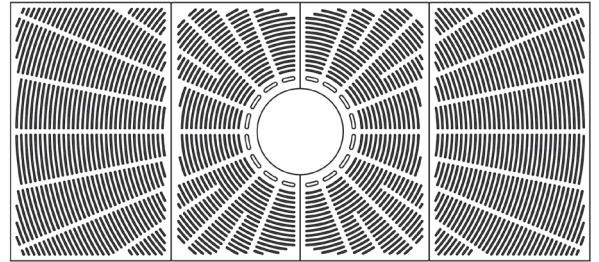


R-8838-A

BOULEVARD COLLECTION

EXTENDED

SERIES NO.	GRATE SIZE	AVAILABLE TREE OPENING SIZES	SLOT SIZE
R-8813	48" x 108"	16", 20", 24" dia.	0.25"
R-8811-A	60" x 84"	16" dia.	0.375"
R-8816	60" x 96"	16", 18", 24", 36" dia.	0.25"
R-8711	96" x 96"	16" dia.	0.375"



R-8813

DETAILS

Available with light openings: R-8813, R-8811-A, R-8816, R-8711



BOULEVARD COLLECTION

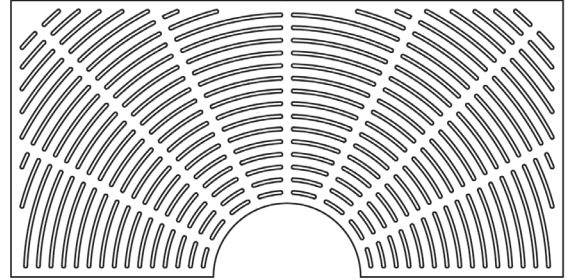
AVENUE COLLECTION

SQUARE

SERIES NO.	GRATE SIZE	AVAILABLE TREE OPENING SIZES	SLOT SIZE
R-8704	30" x 30"	12", 14" dia.	0.25"
R-8704-A	36" x 36"	12", 16" dia.	0.25"
R-8710	48" x 48"	12", 16", 24" dia.	0.375"
R-8712	60" x 60"	16" dia.	0.375"
R-8715	72" x 72"	16" dia.	0.25"

DETAILS

• Available with light openings: R-8704-A, R-8710, R-8712, R-8715



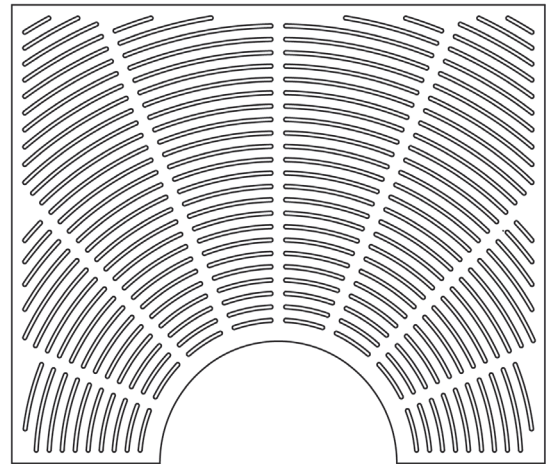
R-8712

RECTANGLE

SERIES NO.	GRATE SIZE	AVAILABLE TREE OPENING SIZES	SLOT SIZE
R-8810	36" x 60"	16" dia.	0.25"

DETAILS

• Available with light openings: R-8810



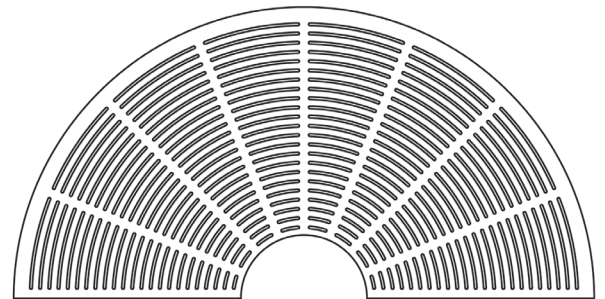
R-8810

CIRCLE

SERIES NO.	GRATE SIZE	AVAILABLE TREE OPENING SIZES	SLOT SIZE
R-8881	30" round	12" dia.	0.25"
R-8872	55.25" round	12" dia.	0.25"
R-8876	72" round	16", 18" dia.	0.25"

DETAILS

• Available with light openings: R-8881, R-8876



R-8872



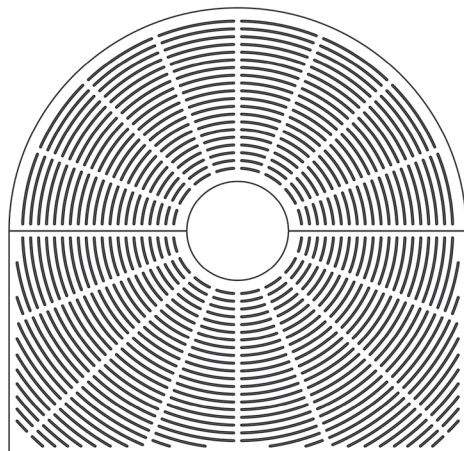
AVENUE COLLECTION

COMBO

SERIES NO.	GRATE SIZE	AVAILABLE TREE OPENING SIZES	SLOT SIZE
R-8939	72" Combo	16" dia.	0.25"

DETAILS

- Available with light openings: R-8939



R-8939



AVENUE COLLECTION

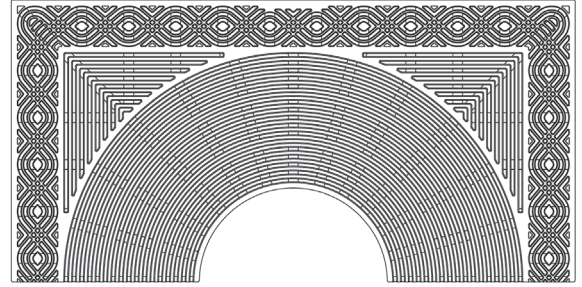
RIVERWALK COLLECTION

SQUARE WITH CIRCULAR OPENING

SERIES NO.	GRATE SIZE	AVAILABLE TREE OPENING SIZES	SLOT SIZE
R-8775	72" x 72"	24" dia.	0.375"
R-8788	60" x 60"	14" dia	0.375"

DETAILS

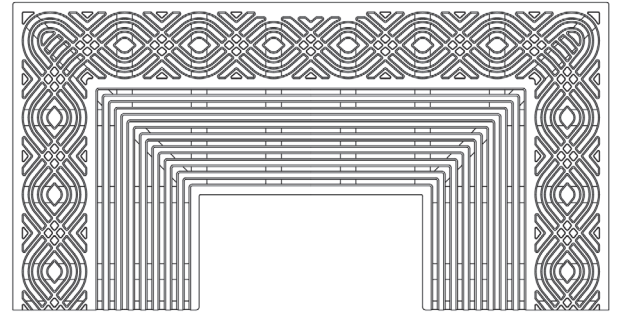
• Available with light openings: R-8775



R-8775

SQUARE WITH SQUARE OPENING

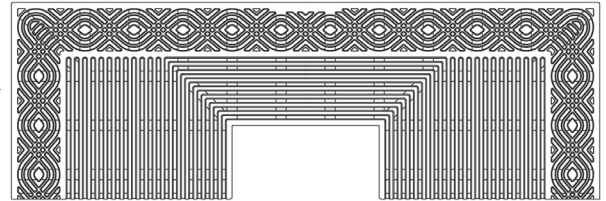
SERIES NO.	GRATE SIZE	AVAILABLE TREE OPENING SIZES	SLOT SIZE
R-8781	48" x 48"	18" x 18" square	0.375"
R-8852	60" x 60"	18" x 18" square	0.375"



R-8781

RECTANGLE

SERIES NO.	GRATE SIZE	AVAILABLE TREE OPENING SIZES	SLOT SIZE
R-8850	48" x 72"	18" x 18" square	0.375"

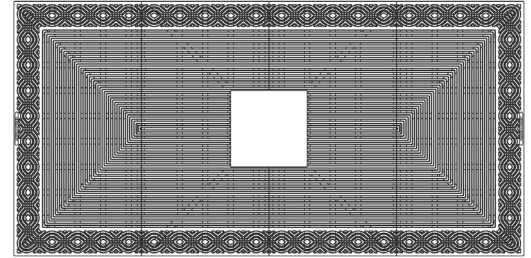


R-8850

RIVERWALK COLLECTION

EXTENDED

SERIES NO.	GRATE SIZE	AVAILABLE TREE OPENING SIZES	SLOT SIZE
R-8828	60"x 120"	18" x 18" square	0.375"



R-8828



RIVERWALK COLLECTION

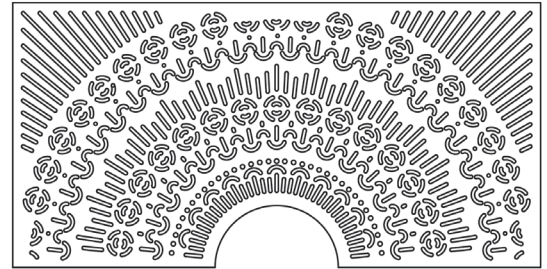
GREENWICH COLLECTION

SQUARE

SERIES NO.	GRATE SIZE	AVAILABLE TREE OPENING SIZES	SLOT SIZE
R-8757	48" x 48"	14" dia.	0.375"
R-8754-1	60" x 60"	14" dia.	0.375"

DETAILS

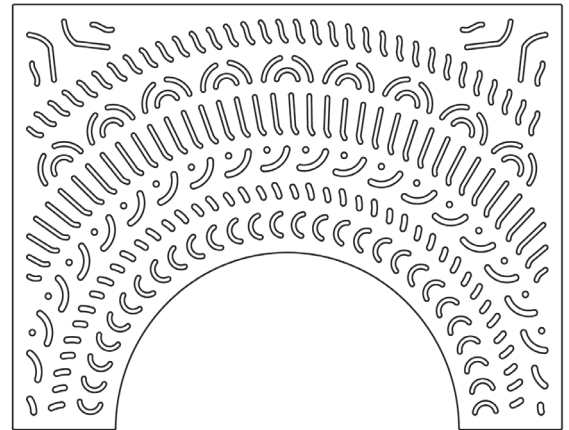
• Available with light openings: R-8757, R-8754-1



R-8754-1

RECTANGLE

SERIES NO.	GRATE SIZE	AVAILABLE TREE OPENING SIZES	SLOT SIZE
R-8819	48" x 72"	30" dia.	0.375"



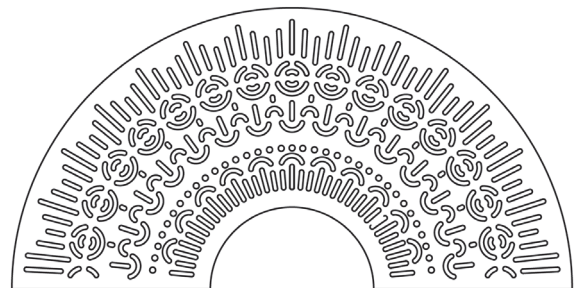
R-8819

CIRCLE

SERIES NO.	GRATE SIZE	AVAILABLE TREE OPENING SIZES	SLOT SIZE
R-8874	48" round	14" dia.	0.375"

DETAILS

• Available with light openings: R-8874

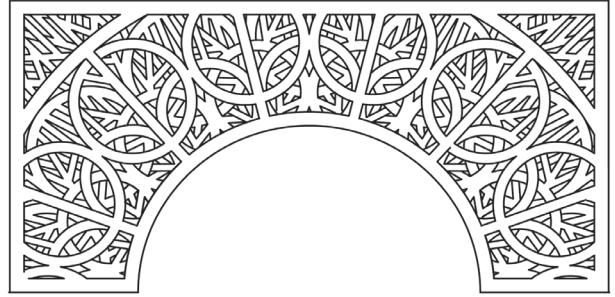


R-8874

TERRACE COLLECTION

SQUARE

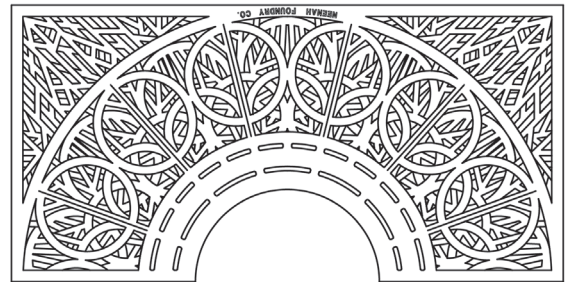
SERIES NO.	GRATE SIZE	AVAILABLE TREE OPENING SIZES
R-8785	42" x 42"	18", 24" dia.



R-8785

SQUARE

SERIES NO.	GRATE SIZE	AVAILABLE TREE OPENING SIZES
R-8786	48" x 48"	16", 20", 24" dia.
R-8786-B	72" x 72"	16" dia.



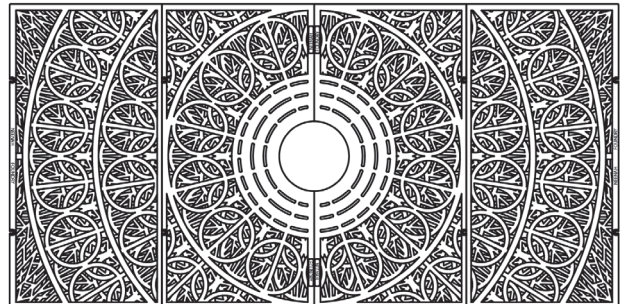
R-8786

DETAILS

• Available with light openings: R-8786-B

EXTENDED

SERIES NO.	GRATE SIZE	AVAILABLE TREE OPENING SIZES
R-8822	48" x 96"	11" dia.



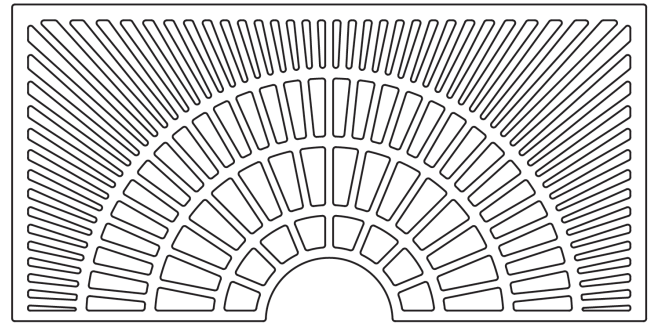
R-8822

TERRACE COLLECTION

PARKWAY COLLECTION

SQUARE

SERIES NO.	GRATE SIZE	AVAILABLE TREE OPENING SIZES
R-8726	48" x 48"	12" dia.
R-8728-A	60" x 60"	15.75", 32" dia.
R-8734	60" x 60"	12" dia.
R-8738-A2	60" x 60"	16" dia.
R-8738-2	72" x 72"	16" dia.
R-8740-1	72" x 72"	20" dia.



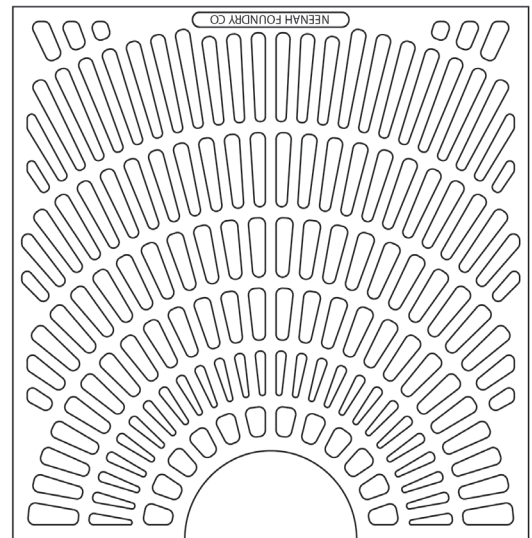
R-8734

DETAILS

• Available with light openings: R-8726, R-8738-A2, R-8738-2

RECTANGLE

SERIES NO.	GRATE SIZE	AVAILABLE TREE OPENING SIZES
R-8808	36" x 72"	12", 18", 24" dia.
R-8802-A	48" x 72"	18" dia.
R-8812	48" x 96"	18" dia.
R-8806-1A	48" x 120"	12" dia.



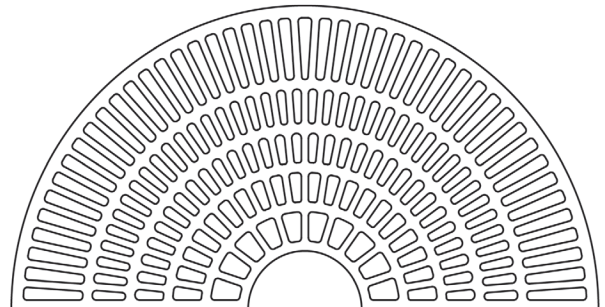
R-8808

DETAILS

• Available with light openings: R-8808, R-8802-A, R-8806-1A

CIRCLE

SERIES NO.	GRATE SIZE	AVAILABLE TREE OPENING SIZES
R-8847	50" round	12" dia.
R-8855-2	54" round	16" dia.
R-8849	56" round	12" dia.
R-8851	66" round	12" dia.
R-8855-1	72" round	16" dia.



R-8849

DETAILS

• Available with light openings: R-8855-1

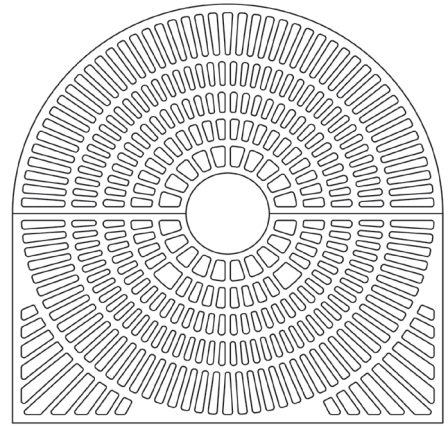
PARKWAY COLLECTION

COMBO

SERIES NO.	GRATE SIZE	AVAILABLE TREE OPENING SIZES
R-8929	62" Combo	12" dia.
R-8931-1	72" Combo	16" dia.

DETAILS

• Available with light openings: R-8931-1



R-8929



PARKWAY COLLECTION

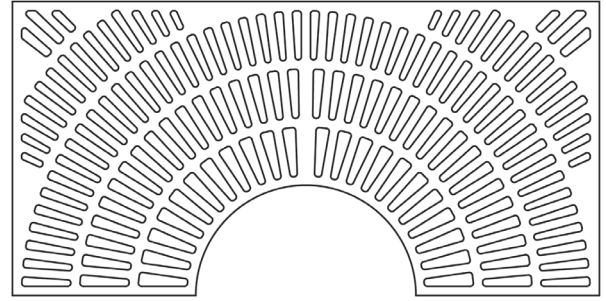
ADIRONDACK COLLECTION

SQUARE

SERIES NO.	GRATE SIZE	AVAILABLE TREE OPENING SIZES
R-8742	48" x 48"	18" dia.
R-8742-A	60" x 60"	18" dia.

DETAILS

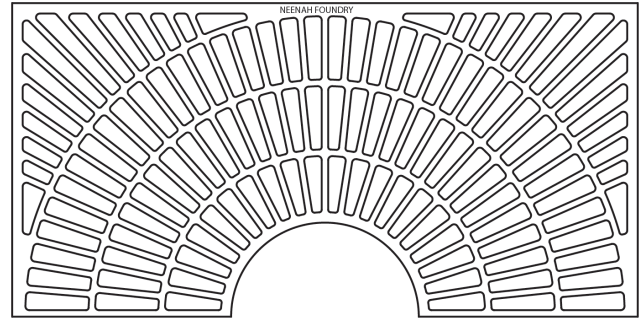
• Available with light openings: R-8742, R-8742-A



R-8742

SQUARE

SERIES NO.	GRATE SIZE	AVAILABLE TREE OPENING SIZES
R-8746-A	60" x 60"	18" dia.



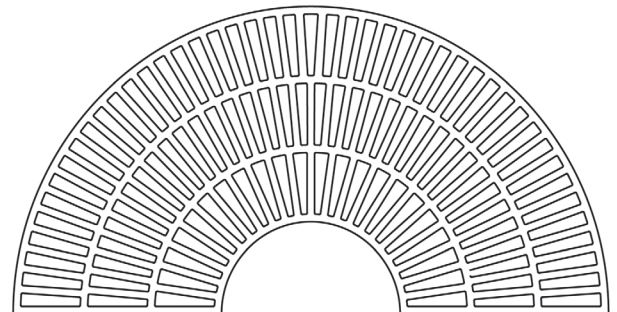
R-8746-A

CIRCLE

SERIES NO.	GRATE SIZE	AVAILABLE TREE OPENING SIZES
R-8827	32" Round	12" dia.
R-8827-A1	40" Round	12", 14" dia.
R-8829	42" Round	10" dia.
R-8833	50" Round	12" dia.
R-8837-A	60" Round	18" dia.
R-8860	93" Round	40" dia.

DETAILS

• Available with light openings: R-8827-A1, R-8833, R-8860

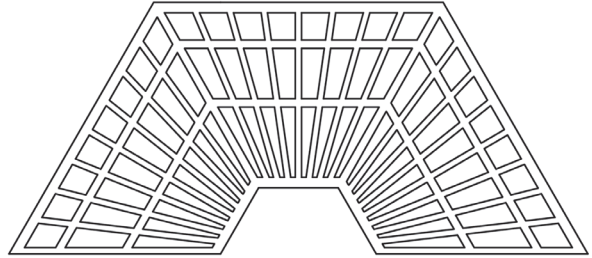


R-8837-A

ADIRONDACK COLLECTION

HEXAGON

SERIES NO.	GRATE SIZE	AVAILABLE TREE OPENING SIZES
R-8950	44.5" Hexagon	16.5" hexagon
R-8955	60" Hexagon	16" hexagon



R-8955



ADIRONDACK COLLECTION

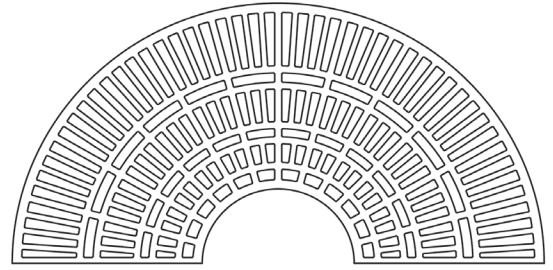
CAPITOL COLLECTION

CIRCLE

SERIES NO.	GRATE SIZE	AVAILABLE TREE OPENING SIZES
R-8843	56" Round	16" dia.
R-8843-A	58.5" Round	18" dia.
R-8839	75" Round	18" dia.

DETAILS

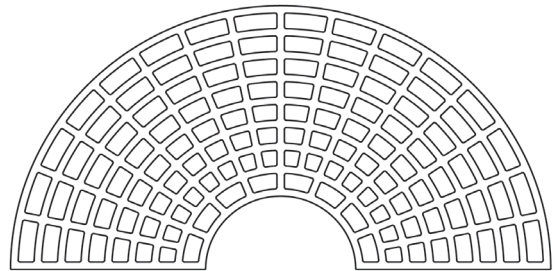
• Available with light openings: R-8843, R-8839



R-8843

CIRCLE

SERIES NO.	GRATE SIZE	AVAILABLE TREE OPENING SIZES
R-8857	72" Round	20" dia.
R-8861	96" Round	28" dia.



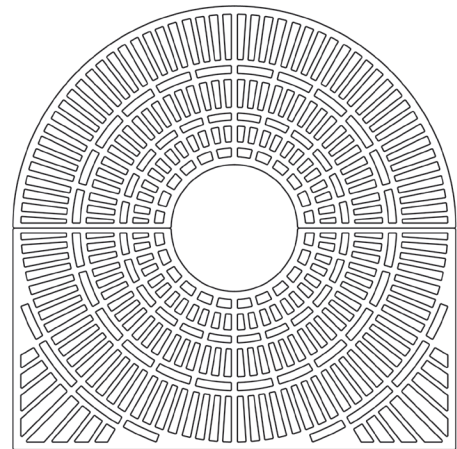
R-8857

COMBO

SERIES NO.	GRATE SIZE	AVAILABLE TREE OPENING SIZES
R-8927	56" Combo	16" dia.

DETAILS

• Available with light openings: R-8927



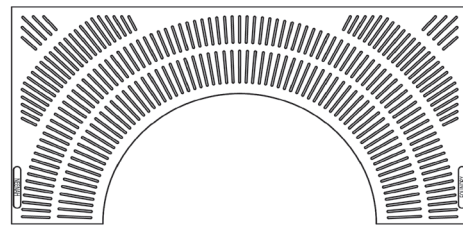
R-8927



MAJESTIC COLLECTION

SQUARE

SERIES NO.	GRATE SIZE	AVAILABLE TREE OPENING SIZES	SLOT SIZE
R-8719	48" x 48"	32" dia.	0.25"
R-8717	60" x 60"	36" dia.	0.25"
--R-8717-A	60" x 60"	16" dia.	0.25"
R-8718	72" x 72"	36" dia.	0.25"
--R-8718-A	72" x 72"	16" dia.	0.25"



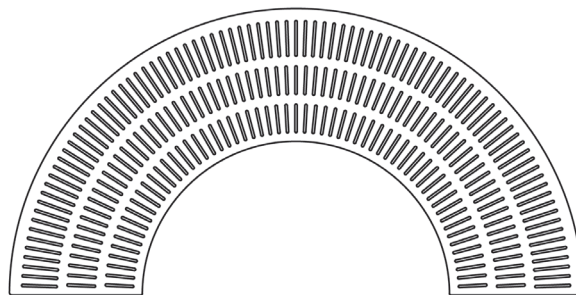
R-8717

DETAILS

- Available with light openings: R-8718, R-8718-A
- R-8717-A and R-8718-A use reducer grates for smaller tree opening

CIRCLE

SERIES NO.	GRATE SIZE	AVAILABLE TREE OPENING SIZES	SLOT SIZE
R-8871	60" round	16", 32" dia.	0.25"



R-8871

DETAILS

- Available with light openings: R-8871

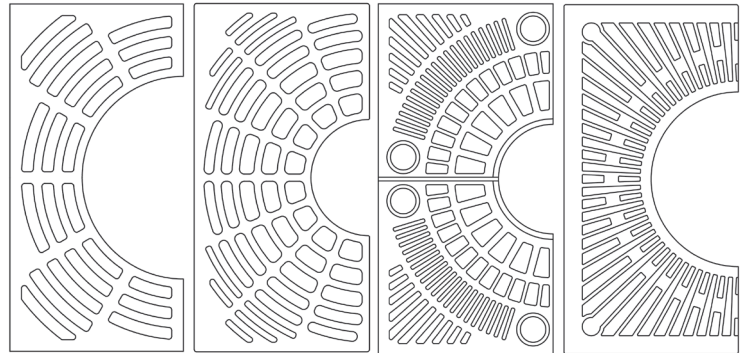
MAJESTIC COLLECTION



DISTINCTIVE COLLECTION

SQUARE

SERIES NO.	GRATE SIZE	AVAILABLE TREE OPENING SIZES
R-8700	30" x 30"	17.5" dia.
R-8702-A	36" x 36"	12" dia.
R-8721-A	48" x 48"	15" dia.
R-8750	48" x 48"	24" dia.



R-8700

R-8702-A

R-8721-A

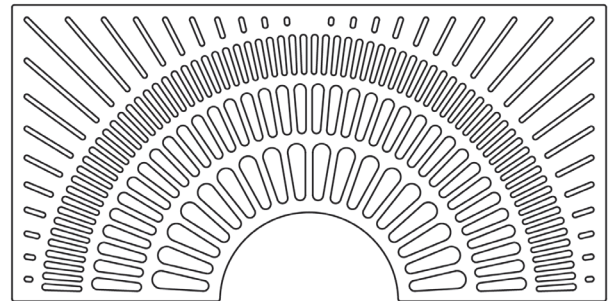
R-8750

SQUARE

SERIES NO.	GRATE SIZE	AVAILABLE TREE OPENING SIZES
R-8752-2	48" x 48"	12" dia.
R-8752-A	60" x 60"	18" dia.
R-8752-B	60" x 60"	24" dia.

DETAILS

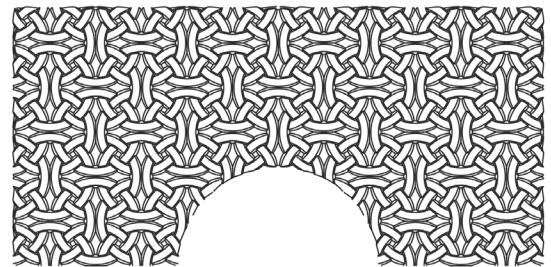
• Available with light openings: R-8752-2



R-8752-A

SQUARE

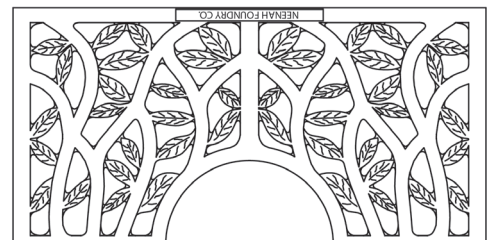
SERIES NO.	GRATE SIZE	AVAILABLE TREE OPENING SIZES
R-8759	48" x 48"	16" dia.



R-8759

SQUARE

SERIES NO.	GRATE SIZE	AVAILABLE TREE OPENING SIZES
R-8730	48" x 48"	17" dia.

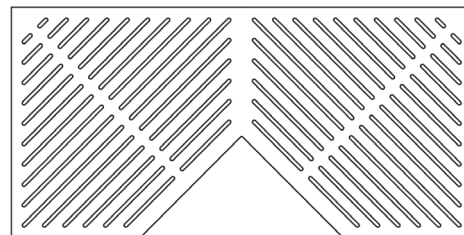


R-8730

DISTINCTIVE COLLECTION

SQUARE

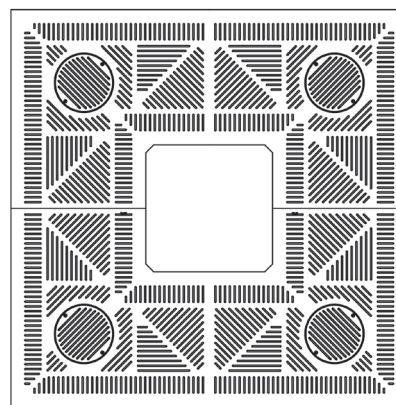
SERIES NO.	GRATE SIZE	AVAILABLE TREE OPENING SIZES	SLOT SIZE
R-8724-A	48" x 48"	15" square	0.375"



R-8724-A

SQUARE

SERIES NO.	GRATE SIZE	AVAILABLE TREE OPENING SIZES	SLOT SIZE
R-8737-B	72" x 72"	23" square	0.25"
R-8737-C	60" x 60"	23", 30" square	0.25"



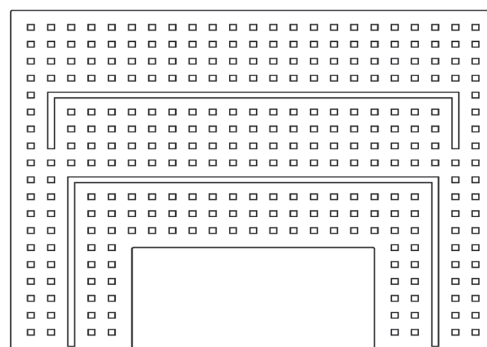
R-8737-B

DETAILS

Available with light openings: R-8737-B, R-8737-C

RECTANGLE

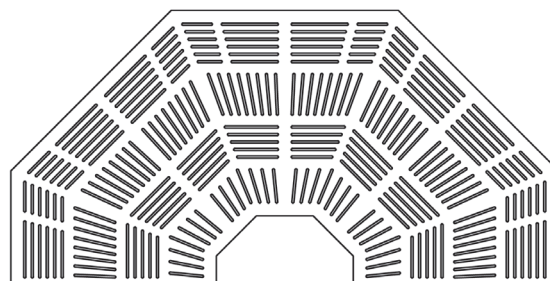
SERIES NO.	GRATE SIZE	AVAILABLE TREE OPENING SIZES
R-8820	36" x 60"	18" square



R-8820

OCTAGON

SERIES NO.	GRATE SIZE	AVAILABLE TREE OPENING SIZES
R-8953	64" Octagon	16" octagon



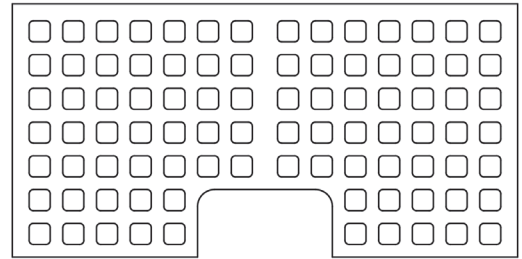
R-8953

DISTINCTIVE COLLECTION

DISTINCTIVE COLLECTION

SQUARE

SERIES NO.	GRATE SIZE	AVAILABLE TREE OPENING SIZES
R-8760	60" x 60"	16", 24" square



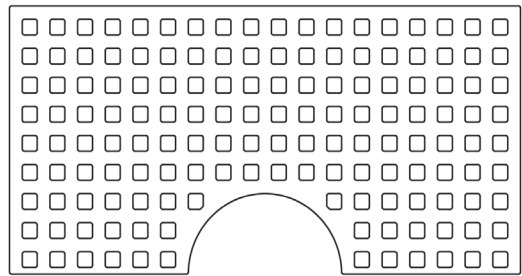
R-8760

SQUARE

SERIES NO.	GRATE SIZE	AVAILABLE TREE OPENING SIZES
R-8762	60" x 60"	18" dia.
R-8762-A	72" x 72"	18" square

DETAILS

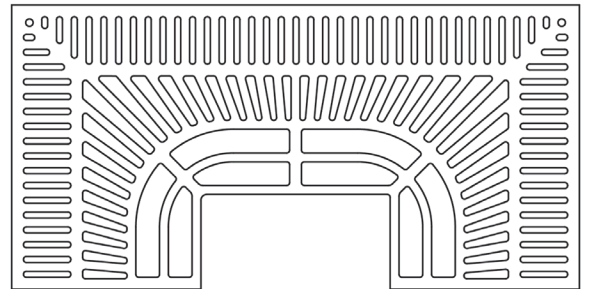
• Available with light openings: R-8762



R-8762

SQUARE

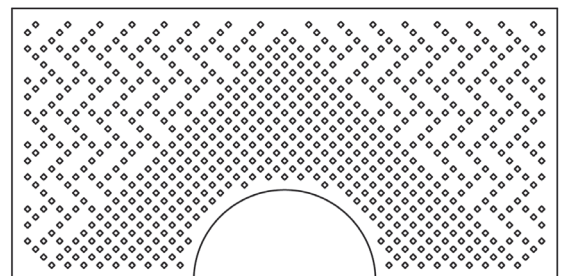
SERIES NO.	GRATE SIZE	AVAILABLE TREE OPENING SIZES
R-8768	48" x 48"	16" dia.



R-8768

SQUARE

SERIES NO.	GRATE SIZE	AVAILABLE TREE OPENING SIZES	SLOT SIZE
R-8770	48" x 48"	16" dia.	0.5"

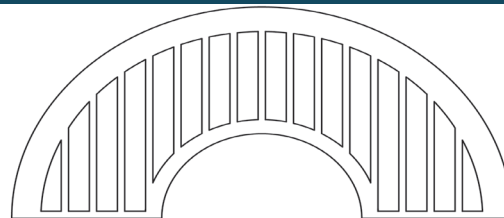


R-8770

DISTINCTIVE COLLECTION

CIRCLE

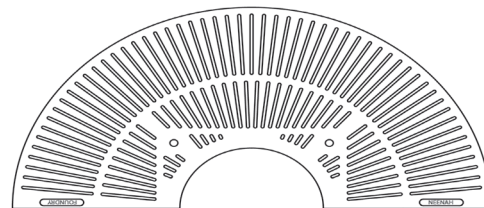
SERIES NO.	GRATE SIZE	AVAILABLE TREE OPENING SIZES
R-8825	30" Round	12" dia.



R-8825

CIRCLE

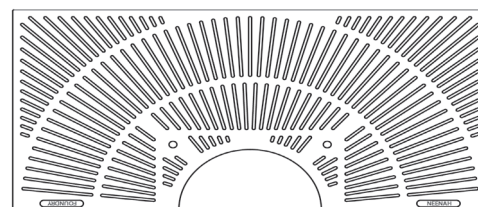
SERIES NO.	GRATE SIZE	AVAILABLE TREE OPENING SIZES	SLOT SIZE
R-8869-A	60" Round	18" dia.	0.375"



R-8869

SQUARE

SERIES NO.	GRATE SIZE	AVAILABLE TREE OPENING SIZES	SLOT SIZE
R-8714-A	60" x 60"	18" dia.	0.375"



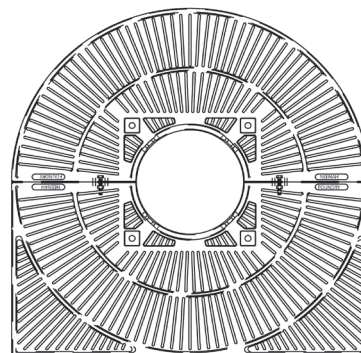
R-8714-A

DETAILS

• Available with light openings: R-8714-A

COMBO

SERIES NO.	GRATE SIZE	AVAILABLE TREE OPENING SIZES	SLOT SIZE
R-8933-A	60" Combo	18" dia.	0.375"



R-8933-A

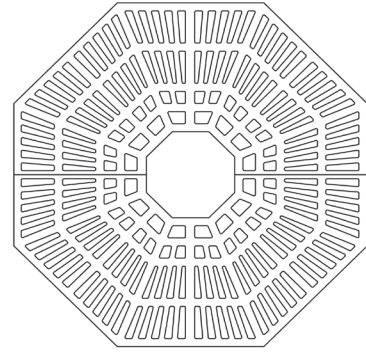
DISTINCTIVE COLLECTION

OCTAGON

SERIES NO.	GRATE SIZE	AVAILABLE TREE OPENING SIZES
R-8952	64" Octagon	16" octagon

DETAILS

• Available with light openings: R-8952



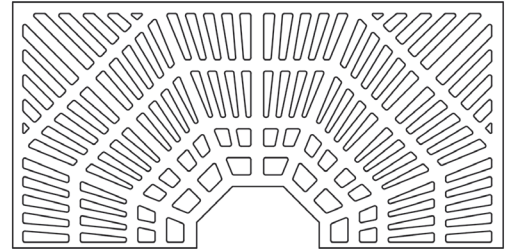
R-8952

SQUARE

SERIES NO.	GRATE SIZE	AVAILABLE TREE OPENING SIZES
R-8766	64" x 64"	16" octagon

DETAILS

• Available with light openings: R-8766



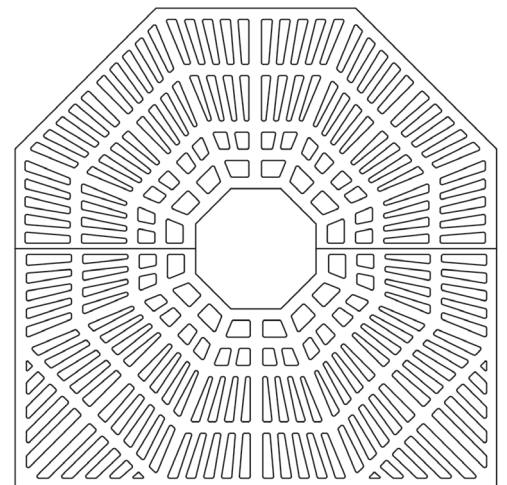
R-8766

COMBO

SERIES NO.	GRATE SIZE	AVAILABLE TREE OPENING SIZES
R-8937	64" Combo	16" octagon

DETAILS

• Available with light openings: R-8937

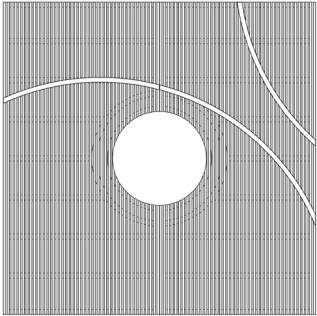


R-8937

DISTINCTIVE COLLECTION

SQUARE

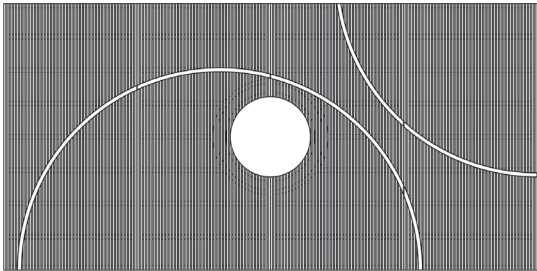
SERIES NO.	GRATE SIZE	AVAILABLE TREE OPENING SIZES
R-8787	60" x 60"	18" dia.



R-8787

EXTENDED

SERIES NO.	GRATE SIZE	AVAILABLE TREE OPENING SIZES
R-8826	60" x 120"	18" dia.



R-8826

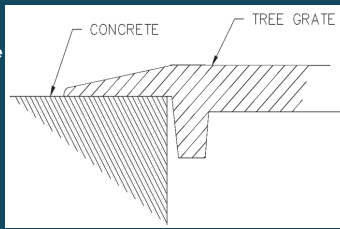


DISTINCTIVE COLLECTION

RETROFIT COLLECTION

RETROFIT DETAIL

Developed specifically for use in an existing paved area, the RETROFIT collection is a popular alternative to poured-in-place grates. Level concrete can simply be cut to the necessary opening size. The overlapping edge covers any minor irregularities in the cut.

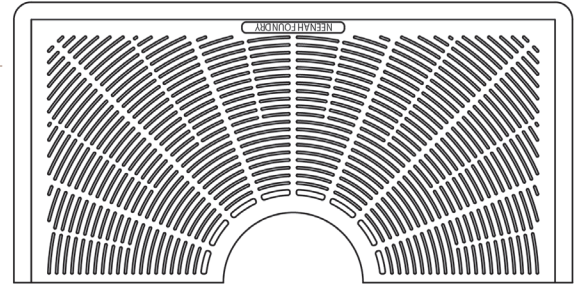


SQUARE

SERIES NO.	GRATE SIZE	AVAILABLE TREE OPENING SIZES	SLOT SIZE
R-9003	40" x 40"	16" dia.	0.25"
R-9002	52" x 52"	16", 26", 30" dia.	0.25"
R-9002-A	64" x 64"	16", 24" dia.	0.25"

DETAILS

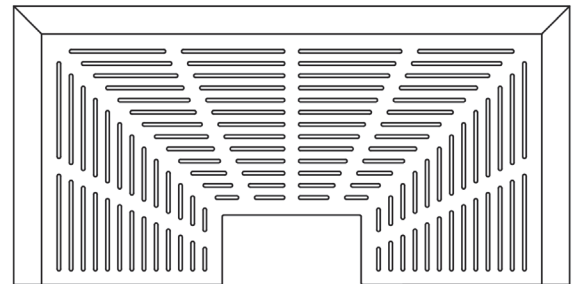
• Available with light openings: R-9002, R-9002-A



R-9002

SQUARE

SERIES NO.	GRATE SIZE	AVAILABLE TREE OPENING SIZES	SLOT SIZE
R-9005	40" x 40"	10" dia.	0.25"



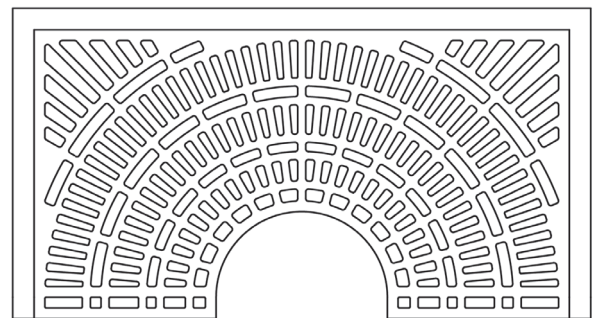
R-9005

SQUARE

SERIES NO.	GRATE SIZE	AVAILABLE TREE OPENING SIZES
R-9101-A	54" x 54"	16" dia.
R-9004-1	62" x 62"	16", 32" dia.

DETAILS

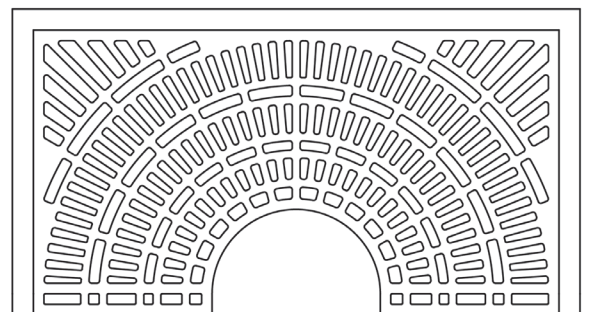
• Available with light openings: R-9004-1



R-9101-A

RECTANGLE

SERIES NO.	GRATE SIZE	AVAILABLE TREE OPENING SIZES
R-9101	59" x 54"	16" oval

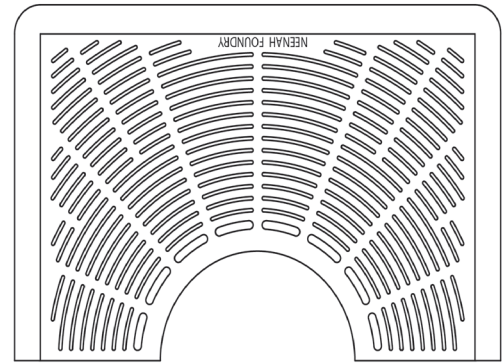


R-9101

RETROFIT COLLECTION

RECTANGLE

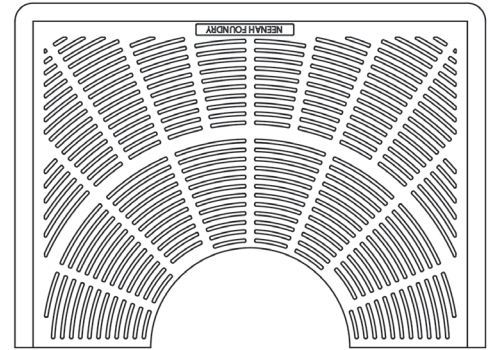
SERIES NO.	GRATE SIZE	AVAILABLE TREE OPENING SIZES	SLOT SIZE
R-9105	36" x 72"	16" dia.	0.25"
R-9106	40" x 52"	16" dia.	0.25"



R-9106

RECTANGLE

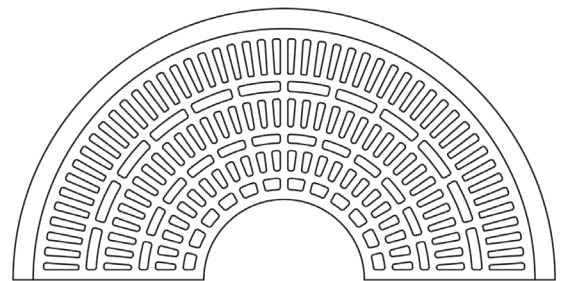
SERIES NO.	GRATE SIZE	AVAILABLE TREE OPENING SIZES	SLOT SIZE
R-9108	52" x 76"	22" dia.	0.375"



R-9108

CIRCLE

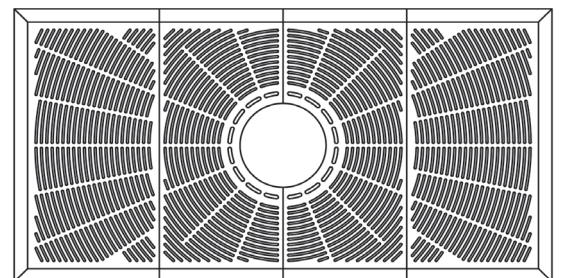
SERIES NO.	GRATE SIZE	AVAILABLE TREE OPENING SIZES
R-9001	54" Round	16" dia.



R-9001

EXTENDED

SERIES NO.	GRATE SIZE	AVAILABLE TREE OPENING SIZES	SLOT SIZE
R-9107	52" x 100"	16" dia.	0.375"



R-9107

RETROFIT COLLECTION

INSTALLATION PROCEDURES

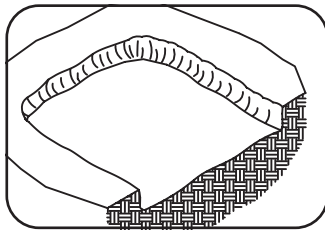
Neenah's tree grate frames are designed to make the installation job easy and accurate. Our frames can be incorporated into your forms in just minutes. The seat of the frame should be cleaned prior to setting the grate. Grate halves are to be bolted together on the underside using the bolt slots provided.

ALL OR ANY PART OF THE PRECEDING SPECIFICATIONS AND PROCEDURES MAY BE INCORPORATED IN YOUR PROJECT DOCUMENTS.

FOR POURED CONCRETE INSTALLATIONS (Neenah tree grates and R-8500 Type U frames)

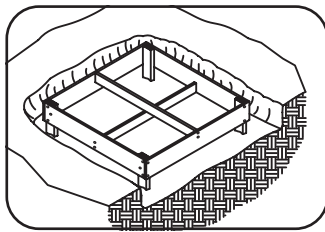
STEP 1:

Excavate tree pit.



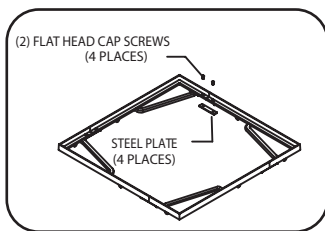
STEP 2:

Place wood frame within excavation. Set at proper grade. Make form outside dimension 45.75" x 45.75" for 48" x 48" grate, 57.75" x 57.75" for 60" x 60" grate or 69.75" x 69.75" for 72" x 72" grate.



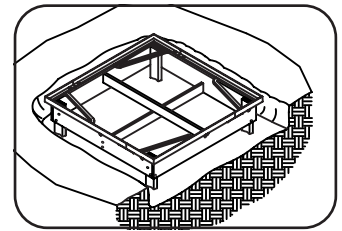
STEP 3:

Assemble the R-8500 Type U tree grate frame using the hardware provided. Make sure to tighten the countersunk flat-head screws so they are flush or below the bearing surface of the frame.



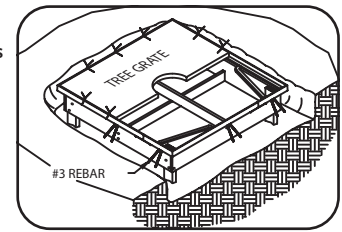
STEP 4:

Place frame on wood form. Place both tree grate halves within the frame.



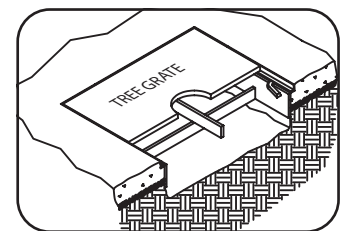
STEP 5:

IMPORTANT: Wire grates, frames and form together. Check and adjust frame alignment and elevation if needed. Install #3 rebar through lugs on frame and support as required. Ensure there is a .1875" spacing between vertical faces of the frame and grate.



STEP 6:

Pour and finish concrete. Do not remove tree grate or trim alignment wires until concrete has set up.



NOTE: FAILURE TO FOLLOW THESE FORMING PROCEDURES COULD RESULT IN AN UNSATISFACTORY INSTALLATION.

If you have any questions regarding installation or if you must deviate from the above instructions, contact the Neenah Product Engineering Department. Additional detailed installation information is available from your Neenah sales representative or from our website at

www.neenahfoundry.com.

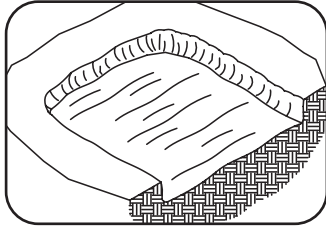
INSTALLATION PROCEDURES

FOR PAVING BLOCK INSTALLATIONS

(Neenah tree grates and R-8500 Type P frames)

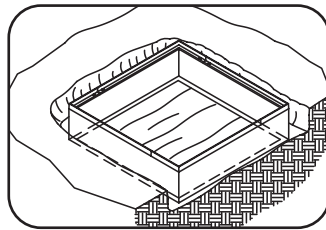
STEP 1:

Excavate tree pit.



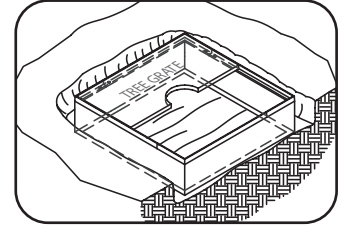
STEP 2:

Place assembly within excavation. Set at proper grade.



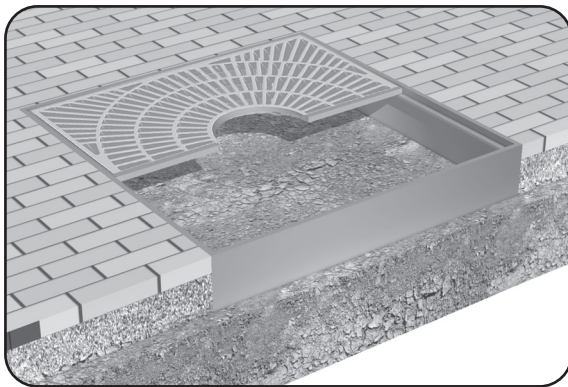
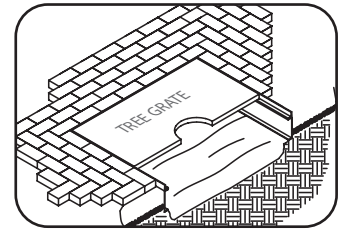
STEP 3:

Place both tree grate halves within the frame.



STEP 4:

Place setting bed and pavers, plant tree.



Example of R-8500 Type P frame.

EXPANDABLE: Neenah Foundry cast iron tree grates provide the advantage of being easily expandable without losing structural integrity. As trees grow throughout the years, the tree opening can be enlarged in increments to accommodate the larger trunk. The best method to expand the opening is through the use of an abrasive cutting wheel, notching the radial spokes at the junction of the expansion rings, then breaking away the discarded portion.

NOTE: FAILURE TO FOLLOW THESE FORMING PROCEDURES COULD RESULT IN AN UNSATISFACTORY INSTALLATION.

If you have any questions regarding installation or if you must deviate from the above instructions, contact the Neenah Product Engineering Department. Additional detailed installation information is available from your Neenah sales representative or from our website at

www.neenahfoundry.com.

CUSTOM CASTINGS

Does your company have a corporate insignia or municipal logo that you would like to incorporate into your architectural designs or construction project? Neenah Foundry has the ability to take your concepts and recreate them through Sidewalk Medallions, Tree Grate Logos and Custom Manhole Covers. This is a great opportunity to tie together a common municipal or corporate theme. Contact your Neenah sales representative with your ideas!

CUSTOM CASTINGS



FABRICATED TREE GUARDS



SPECIAL NOTE: Most tree grate units are furnished standard with four inconspicuous guard lugs on the underside to facilitate attachment of tree guards.

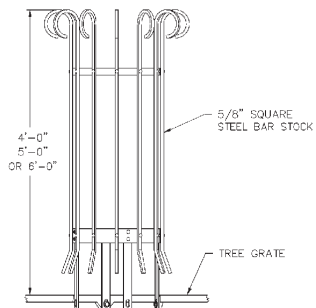
Neenah Tree Guards are manufactured from hot rolled, pickled and oiled mild steel in the five standard illustrated styles. Guards are designed to be attached in four places to bolting lugs which are integrally cast to the underside of the tree grate.

Neenah Tree Guards are manufactured using .5" flat and .625" square steel stock. Our use of these heavier materials sets Neenah's Tree Guards apart from the others, making for a stronger, more durable product.

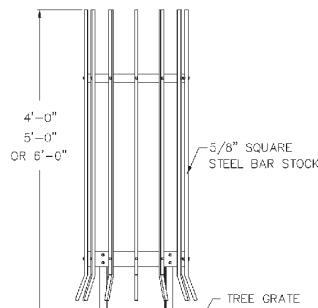
Neenah furnishes guards completely assembled in two half sections. Guards are supplied with the vertical bars bolted to the rings. No tree guards are available for octagonal openings.

Tree guards are furnished with black powder coat paint
(Minimum thickness 2-mils)

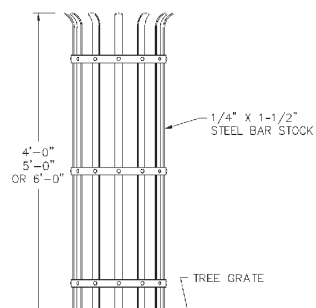
FABRICATED TREE GUARDS



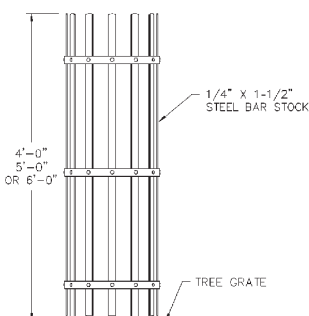
TYPE A



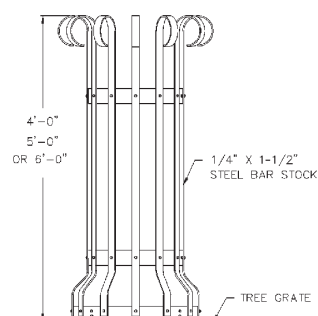
TYPE B



TYPE C



TYPE D



TYPE E

SPECIFY WHEN ORDERING:

1. Style
2. Dimension "L" (guard height as measured from top of grate - standard heights are 4', 5' or 6')
3. Tree opening diameter
4. Paint specifications if different from standard
5. Shop drawings for approval

REFERENCE GUIDE (BY SIZE & SHAPE)

Items highlighted in blue do NOT have expandable tree openings

REFERENCE GUIDE BY SIZE & SHAPE

SIZE	CAT#	COLLECTION	PAGE	SIZE	CAT#	COLLECTION	PAGE	SIZE	CAT#	COLLECTION	PAGE
RECTANGULAR				60" x 60"	R-8788	Riverwalk	10	60"	R-8838-A	Boulevard	6
36" x 48"	R-8835	Metropolitan	4	60" x 60"	R-8852	Riverwalk	10	60"	R-8871	Majestic	19
36" x 48"	R-8814-A	Boulevard	6	60" x 60"	R-8754-1	Greenwich	12	60"	R-8837-A	Adirondack	16
36" x 60"	R-8810	Avenue	8	60" x 60"	R-8717	Majestic	19	60"	R-8869-A	Distinctive	23
36" x 60"	R-8820	Distinctive	21	60" x 60"	R-8717-A	Majestic	19	66"	R-8851	Parkway	14
36" x 72"	R-8884	Metropolitan	4	60" x 60"	R-8728-A	Parkway	14	72"	R-8880-A	Metropolitan	4
36" x 72"	R-8809	Metropolitan	4	60" x 60"	R-8734	Parkway	14	72"	R-8876	Avenue	8
36" x 72"	R-8808	Parkway	14	60" x 60"	R-8738-A2	Parkway	14	72"	R-8855-1	Parkway	14
36" x 72"	R-9105	Retrofit	27	60" x 60"	R-8742-A	Adirondack	16	72"	R-8857	Capitol	18
36" x 72"	R-9106	Retrofit	27	60" x 60"	R-8746-A	Adirondack	16	75"	R-8839	Capitol	18
40" x 52"	R-9108	Retrofit	27	60" x 60"	R-8752-A	Distinctive	20	93"	R-8860	Adirondack	16
48" x 72"	R-8815-1	Metropolitan	4	60" x 60"	R-8752-B	Distinctive	20	96"	R-8883	Metropolitan	4
48" x 72"	R-8811	Boulevard	6	60" x 60"	R-8737-C	Distinctive	21	96"	R-8861	Capitol	18
48" x 72"	R-8850	Riverwalk	10	60" x 60"	R-8760	Distinctive	22	EXTENDED			
48" x 72"	R-8819	Greenwich	12	60" x 60"	R-8762	Distinctive	22	36" x 96"	R-8836	Metropolitan	5
48" x 72"	R-8802-A	Parkway	14	60" x 60"	R-8714-A	Distinctive	23	36" x 108"	R-8824	Metropolitan	5
48" x 96"	R-8815-A	Metropolitan	4	60" x 60"	R-8787	Distinctive	25	36" x 144"	R-8884-A	Metropolitan	5
48" x 96"	R-8812	Parkway	14	62" x 62"	R-9004-1	Retrofit	26	48" x 96"	R-8822	Terrace	13
48" x 120"	R-8815-B	Metropolitan	4	64" x 64"	R-8766	Distinctive	24	48" x 108"	R-8817	Metropolitan	5
48" x 120"	R-8806-1A	Parkway	14	64" x 64"	R-9002-A	Retrofit	26	48" x 108"	R-8813	Boulevard	7
52" x 76"	R-9108	Retrofit	27	72" x 72"	R-8709-A	Metropolitan	4	48" x 120"	R-8815-B4	Metropolitan	5
59" x 54"	R-9101	Retrofit	26	72" x 72"	R-8716	Boulevard	6	48" x 144"	R-8815	Metropolitan	5
SQUARE				72" x 72"	R-8715	Avenue	8	52" x 100"	R-9107	Retrofit	27
30" x 30"	R-8704	Avenue	8	72" x 72"	R-8786-B	Terrace	13	60" x 84"	R-8811-A	Boulevard	7
30" x 30"	R-8700	Distinctive	20	72" x 72"	R-8775	Riverwalk	10	60" x 96"	R-8816	Boulevard	7
36" x 36"	R-8704-A	Avenue	8	72" x 72"	R-8718	Majestic	19	60" x 120"	R-8823	Metropolitan	5
36" x 36"	R-8702-A	Distinctive	20	72" x 72"	R-8718-A	Majestic	19	60" x 120"	R-8828	Riverwalk	11
40" x 40"	R-9003	Retrofit	26	72" x 72"	R-8738-2	Parkway	14	60" x 120"	R-8826	Distinctive	25
40" x 40"	R-9005	Retrofit	26	72" x 72"	R-8740-1	Parkway	14	96" x 96"	R-8711	Boulevard	7
42" x 42"	R-8785	Terrace	13	72" x 72"	R-8737-B	Distinctive	21	MULTI-SIDED			
48" x 48"	R-8706-1A	Metropolitan	4	72" x 72"	R-8762-A	Distinctive	22	44.5"	R-8950	Adirondack	17
48" x 48"	R-8708	Boulevard	6	96" x 96"	R-8784	Metropolitan	4	60"	R-8965	Metropolitan	5
48" x 48"	R-8710	Avenue	8	ROUND				60"	R-8955	Adirondack	17
48" x 48"	R-8781	Riverwalk	10	30"	R-8830-A1	Metropolitan	4	64"	R-8953	Distinctive	21
48" x 48"	R-8757	Greenwich	12	30"	R-8881	Avenue	8	64"	R-8952	Distinctive	24
48" x 48"	R-8786	Terrace	13	30"	R-8825	Distinctive	23	COMBINATION			
48" x 48"	R-8719	Majestic	19	32"	R-8827	Adirondack	16	56"	R-8927	Capitol	18
48" x 48"	R-8726	Parkway	14	36"	R-8834	Metropolitan	4	60"	R-8933-A	Distinctive	23
48" x 48"	R-8742	Adirondack	16	40"	R-8827-A1	Adirondack	16	62"	R-8929	Parkway	15
48" x 48"	R-8721-A	Distinctive	20	42"	R-8829	Adirondack	16	64"	R-8937	Distinctive	24
48" x 48"	R-8750	Distinctive	20	48"	R-8832-A	Boulevard	6	72"	R-8939	Avenue	9
48" x 48"	R-8752-2	Distinctive	20	48"	R-8874	Greenwich	12	72"	R-8931-1	Parkway	15
48" x 48"	R-8730	Distinctive	20	50"	R-8847	Parkway	14	OTHER			
48" x 48"	R-8724-A	Distinctive	21	50"	R-8833	Adirondack	16	Custom Castings			32
48" x 48"	R-8759	Distinctive	20	54"	R-8855-2	Parkway	14	Tree Guards			33
48" x 48"	R-8768	Distinctive	22	54"	R-9001	Retrofit	27				
48" x 48"	R-8770	Distinctive	22	55.25"	R-8872	Avenue	8				
52" x 52"	R-9002	Retrofit	26	56"	R-8849	Parkway	14				
54" x 54"	R-9101-A	Retrofit	26	56"	R-8843	Capitol	18				
60" x 60"	R-8707	Metropolitan	4	58.5"	R-8843-A	Capitol	18				
60" x 60"	R-8713	Boulevard	6	60"	R-8870	Metropolitan	4				
60" x 60"	R-8712	Avenue	8								

REFERENCE GUIDE (BY CAT#)

Items highlighted in blue do NOT have expandable tree openings

CAT#	PAGE	CAT#	PAGE	CAT#	PAGE
R-8700	20	R-8786-B	13	R-8869-A	23
R-8702-A	20	R-8787	25	R-8870	4
R-8704	8	R-8788	10	R-8871	19
R-8704-A	8	R-8802-A	14	R-8872	8
R-8706-1A	4	R-8806-1A	14	R-8874	12
R-8707	4	R-8808	14	R-8876	8
R-8708	6	R-8809	4	R-8880-A	4
R-8709-A	4	R-8810	8	R-8881	8
R-8710	8	R-8811	6	R-8883	4
R-8711	7	R-8811-A	7	R-8884	4
R-8712	8	R-8812	14	R-8884-A	5
R-8713	6	R-8813	7	R-8927	18
R-8714-A	23	R-8814-A	6	R-8929	15
R-8715	8	R-8815	5	R-8931-1	15
R-8716	6	R-8815-1	4	R-8933-A	23
R-8717	19	R-8815-A	4	R-8937	24
R-8717-A	19	R-8815-B	4	R-8939	9
R-8718	19	R-8815-B4	5	R-8950	17
R-8718-A	19	R-8816	7	R-8952	24
R-8719	19	R-8817	5	R-8953	21
R-8721-A	20	R-8819	12	R-8955	17
R-8724-A	21	R-8820	21	R-8965	5
R-8726	14	R-8822	13	R-9001	27
R-8728-A	14	R-8823	5	R-9002	26
R-8730	20	R-8824	5	R-9002-A	26
R-8734	14	R-8825	23	R-9003	26
R-8737-B	21	R-8826	25	R-9004-1	26
R-8737-C	21	R-8827	16	R-9005	26
R-8738-2	14	R-8827-A1	16	R-9101	26
R-8738-A2	14	R-8828	11	R-9101-A	26
R-8740-1	14	R-8829	16	R-9105	27
R-8742	16	R-8830-A1	4	R-9106	27
R-8742-A	16	R-8832-A	6	R-9107	27
R-8746-A	16	R-8833	16	R-9108	27
R-8750	20	R-8834	4		
R-8752-2	20	R-8835	4		
R-8752-A	20	R-8836	5		
R-8752-B	20	R-8837-A	16		
R-8754-1	12	R-8838-A	6		
R-8757	12	R-8839	18		
R-8759	20	R-8843	18		
R-8760	22	R-8843-A	18		
R-8762	22	R-8847	14		
R-8762-A	22	R-8849	14		
R-8766	24	R-8850	10		
R-8768	22	R-8851	14		
R-8770	22	R-8852	10		
R-8775	10	R-8855-1	14		
R-8781	10	R-8855-2	14		
R-8784	4	R-8857	18		
R-8785	13	R-8860	16		
R-8786	13	R-8861	18		



REFERENCE GUIDE BY CAT#

FOR A LIST OF OUR REGIONAL SALES OFFICES
AND DISTRIBUTION CENTERS:

Please visit our website at:

www.neenahfoundry.com





MADE IN USA

BUY AMERICAN



The American Recovery and Reinvestment Act (ARRA) of 2009 was enacted to stimulate the economy by incentivizing the use of American-made products. By choosing Neenah cast iron products, not only are you getting the quality and durability you need while supporting American jobs, you could also qualify for federal funding on your project.

GO GREEN



In support of the Green Initiative, Neenah Foundry is pleased to report that our products contain a minimum of 85% recycled content in the form of a minimum of 35% consumer-generated scrap metal and minimum of 50% industrial-generated scrap metal.

Neenah Foundry Company
Box 729, Neenah, Wisconsin 54957-0729

Phone: 800-558-5075 // 920-725-7000
Fax: 920-729-3661
Web: www.neenahfoundry.com



These products are to be specified and used under the guidance of qualified design professionals.