



SERIES

681
682
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685



INDUSTRY LEADING
COMMERCIAL & INDUSTRIAL SOLUTIONS

Side-Folding Open Air Grilles

SERIES 681 682 683 684 685

Standard Features At a Glance

Curtain frame	Truss-like aluminum top and bottom plates
Frame thickness	1/8" (3 mm)
Panel width	6 5/16" (160 mm) standard body 11 3/4" (299 mm) wide body
Trolley assembly	1 1/8" (29 mm)
Vertical adjustment	1" (25 mm) up/down without curtain removal
Track	Top-mounted, heavy-duty aluminum sections
Track height	1 5/8" (41 mm)
Track width	1 3/8" (35 mm)
Standard track curves	90°, 120°, 135°, 150°
Standard radius	14" (356 mm) standard body 22" (559 mm) wide body
Post types	
Lead post	Hook lock and wall channel; bi-part; top and bottom shoot bolts
Intermediate post	Bottom shoot bolt
Trailing end post	Traveling; fixed; hook lock and wall jamb; top and bottom shoot bolts; carrier
Locking mechanisms	
Lead post	Concealed cylinder-operated hook lock accessible from interior and exterior
Intermediate post	Concealed cylinder-operated shoot bolt accessible from one side only
Trailing end post	Attached 10' max height protection plate self-locking into a steel V-Stop
Standard finish	Clear anodized finish

Note: All Post types can be used in most any position as need dictates

Options

- Custom track radii and curves
- High-impact extruded polymer (HIEP) curtain sleeves (681-E, 682-E, 683-E and 684-E only)
- Emergency egress door (except 685 Series/Windowgard™)
- Thumb-turn guards and protection bars
- Color-matched, anodized finish*
- Color-matched, Duracron (acrylic) finish
- Powder-coat paint finish in 21 standard colors, 172 premium colors, or color-matched to specification ("E" series not available in special colors.)

**681/683 anodized finish only*

Open-Air Security Grilles That B

When security is a priority, but you want to maximize air circulation, light infiltration and visual access to interior spaces, the 681/682/683/684/685 Series is an ideal choice. Short on the space required for installation, but long on handsome good looks, these grilles secure premises and guard against theft and debris with superior compactness and nearly endless design possibilities.

Superior Compactness.

These side-folding, open-air grilles are ideal for spaces with limited headroom and sideroom. A low-profile, top-mounted track reduces headroom requirements to 1 5/8" (41 mm) and depth requirements to 1 3/8" (35 mm). Panels fold to an average 2" (51 mm) per linear foot on standard-width curtains. Wide-body curtains require an average of only 1 1/2" (38 mm) per linear foot. Minimum clear pocket widths of 8" (203 mm) on standard width grilles and 13" on wide-body models require significantly less depth. All-in-all, these grilles are the shortest-stacking, lowest-profile grilles money can buy.

Well Engineered, Well Built.

Quality engineering afford you superior design flexibility and ensure long-lasting looks and performance. Modular construction allows the grille to fit any opening width. Up to 2" (51 mm) of vertical adjustment allows field correction of uneven surfaces. Standard width and wide-body panels (681 and 681E only) offers alternative stacking pocket depths. Four standard curves (90°, 120°, 135° and 150°) — or customized to your specifications — accommodate odd-shaped designs or irregular lease lines.

A Spectrum of Options for Customized Results.

A high-impact extruder polymer (HIEP) curtain is available on selected models (681E/682E, 683E/684E), affording economy and long life. Countertop or emergency egress doors are also available as options. Finishes include clear or color-matched anodization, color-matched acrylic, and a nearly unlimited selection of powder-coat colors.





Breathe With Style.

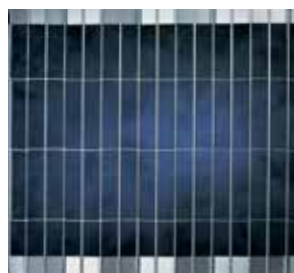


Straight Pattern

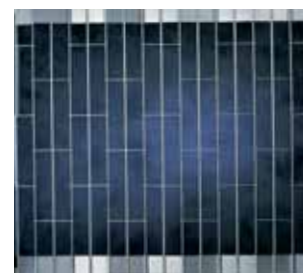


Brick Pattern

681/681-E Series (Suregard™ Wide Body)

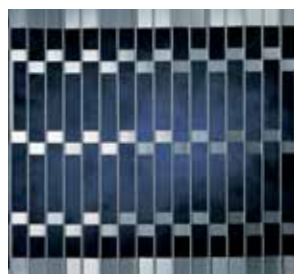


Straight Pattern



Brick Pattern

683/683-E Series (Suregard™)

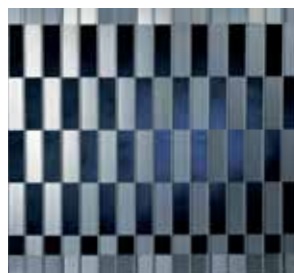


S-52/E-52



S-12/E-12

684/684-E Series (Astrogard™)



682 Series (Avantgard™)



685 Series (Windowgard™)

PART 1 GENERAL**1.01 Work Included**

The doors will be Series 681/681-E, 682, 683/683-E, 684/684-E or 685 as furnished by Overhead Door Corporation.

1.02 Related Work

Opening preparation, miscellaneous or structural metal work, access panels, and finish or field painting are in the Scope of Work of other divisions or trades.

PART 2 PRODUCT**2.01 Curtain—Pick from 2.01.A-E below.****2.01.A Series 681/681-E – Suregard Wide Body**

Curtain design shall incorporate wide body 2" (51 mm) high bottom plates of truss-like aluminum and 5 1/4" (133 mm) high top plates that frame each 11 1/4" (286 mm) wide panel. Each curtain panel shall be constructed of 1" (25 mm) aluminum plates spaced at 12" (305 mm) horizontal intervals incorporating three vertical rods spaced 1 7/8" (48 mm) and covered with aluminum tubes. (E models substitute high-impact extruded plastic – HIEP). The aluminum plates fit into one piece vertical aluminum tubular hinges.

2.01.B Series 682 /682-E – Avantgard

Curtain design shall incorporate minimum 4" (102 mm) high bottom plates of truss like aluminum and 5 1/4" (133 mm) high top plates that frame each 6 5/16" (160 mm) wide panel. Each curtain panel shall be constructed of alternating pieces of aluminum (E models substitute high-impact extruded plastic – HIEP) according to the following options, (9" (229 mm) panel/9" (229 mm) space) (12" (31 mm) panel/12" (31 mm) space) (18" (46 mm) panel/18" (46 mm) space) (24" (61 mm) panel/24" (61 mm) space). All panels are assembled onto steel rods.

2.01.C Series 683/683-E – Suregard

Curtain design shall incorporate minimum 4" (102 mm) high bottom plates of truss like clear anodized aluminum and 5 1/4" (133 mm) high top plates that frame each 6 5/16" (160 mm) wide panel. Each curtain panel shall be constructed of 1/8" (3 mm) by 5/8" (16 mm) by 6" (15 mm) horizontal clear anodized aluminum links that slide onto 5/16" (8 mm) vertical rods. Links shall be held in place by 1/2" (13 mm) clear anodized aluminum spacer tubes (E models substitute high-impact extruded plastic – HIEP) on alternate rods. (Only anodized finishes available.)

2.01.D Series 684 /684-E – Astrogard

Curtain design shall incorporate minimum 4" (102 mm) high bottom plates of truss-like aluminum and 5 1/4" (133 mm) high top plates that frame each 6 5/16" (160 mm) wide panel. Each curtain panel shall be constructed of aluminum tubes and spacer plates (E models substitute high-impact extruded plastic – HIEP) of 5" (127 mm) (specify 52 pattern) and 10" (specify 12 pattern) (25 mm), spacing 3" (76 mm) wide by 2" (51 mm) high plates. All panels are assembled onto steel rods.

2.01.E Series 685 – Windowgard

Specify Windowgard construct in any model grille or closure.

2.02 Track

Trolley assemblies, 1 1/8" (29 mm), are adjustable 1" (25 mm) upward or downward without removal of curtain. Track shall be heavy extruded aluminum 1 3/8" (35 mm) wide by 1 5/8" high (41 mm). **Curves are 90°, 120°, 135°, and 150° and shall have a 14" (356 mm) radius for standard models and 22" (559 mm) radius for wide body models.

** Consult distributor for special curves.

2.03 Finish

All aluminum shall be furnished in a clear anodized finish. (Optional acrylic, powder coat paint, or colored anodized finish. Consult distributor for special colors.)

2.04 Stacking Dimensions (Consult distributor for exact dimensions)**Standard 6 5/16" (160 mm) Panel**

All models specify 13/16" (30 mm) per linear foot of curtain. Add 3" (76 mm) to stack per post. Note: See 2.05.B for location of posts. Clear pocket minimum width 8" (203 mm).

Wide Body 11 1/4" (286 mm) Panel

All models specify 3/4" (19 mm) per linear foot of curtain.

Add 3" (76 mm) to stack per post. Note: See 2.05.B for location of posts. Clear pocket minimum width 13" (330 mm).

Emergency Egress Door (Optional)

All models add 8" (203 mm) to stack for emergency egress door.

2.05 Locking—See 2.05.A-C below.**2.05.A Lead Posts**

Lead post conceals a hook bolt lock activated by a keyed cylinder or thumb turn, engaging a full height wall channel. Where required, an optional top and bottom spring loaded locking post with interior thumb turn or keyed cylinder and dust-proof floor socket are available. The edge of this post shall have a rubber bumper.

2.05.B Intermediate Posts

Intermediate posts shall be provided for every 10' (3,048 m) maximum (countertop applications are 6' (1,828 m) maximum) of curtain length and at each curve. Intermediate posts shall contain an adjustable concealed spring-loaded drop bolt with cylinders keyed alike. Dustproof floor sockets are furnished for all drop bolts.

2.05.C Trailing End Posts

Trailing end post shall have an attached high-impact extruded polymer (HIEP) protection plate and shall be self locking into a steel floor V-stop and top stop. End post can be fixed to a wall when stacked in opening. Optional top and bottom locking end posts are available.

PART 3 EXECUTION**3.01 Execution**

Install the doors in accordance with Overhead Door Corporation instructions and standards, using an authorized Overhead Door Corporation distributor or representative.

*Note to specifiers: Words in parentheses indicate frequently specified and highly recommended options.

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To talk with the Overhead Door Distributor nearest you, call 1-800-929-DOOR.

Overhead Door Corporation

2501 S. State Hwy. 121

Lewisville, Texas 75067

(800) 275-3290 Telephone

www.OverheadDoor.com



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Consistent with our policy of continuing product improvement, we reserve the right to change product specifications without notice or obligation.