ROLLING SERVICE DOORS TO MEET YOUR MOST DEMANDING AND RIGOROUS APPLICATIONS

The Wayne-Dalton 800 Series rolling service door is designed to meet the tough requirements of virtually any commercial or industrial application. The 800 Series offers flexibility in substrate materials with choices of galvanized or prime steel, stainless steel, or aluminum.

Color options range from our standard five factory finish colors to a full range of 180 RAL powder coat choices.
Popular in both interior and exterior applications, the Wayne-Dalton 800 Series rolling service door features a galvanized, pre-painted curtain of minimum 22-gauge steel. The 800 Series doors have a standard windload rating of 20 PSF. An optional windload rating of up to 55 PSF is available to cover your Florida and Dade County windload requirements.

**Materials & Construction**
Wayne-Dalton’s 800 Series rolling doors are composed of curved or flat-faced slats that provide a natural water-shed, helping to reduce corrosion. The slats are designed with free-acting interlocking joints that permit easy articulation when the door coils.

The 800 Series features a strong double-angle bottom bar that reinforces the lower edge of the curtain against wind pressure and permits varied lock, astragal, and safety edge options. This bottom bar is designed for easy installation and does not require fasteners protruding into the guide openings, so the bottom bar does not interfere with door operation.

Counterbalance assembly consists of a spring barrel which serves as a load-carrying beam. It encases the counterbalance mechanism and provides the axis around which the curtain coils. (Deflection is limited to 0.033” per lineal foot of span.) If required, barrel rings of malleable iron or stamped steel may be provided to assure proper counterbalance. Oil-tempered, torsion-type counterbalance springs are wound from heat-treated steel, providing accuracy in balancing the door. Barrel plugs connect ends of springs to barrel and tension rod. Tension rod of steel shafting holds fixed ends of springs and carries torsion load of spring counterbalance.

Spring tension adjusting wheel is normally mounted outside the bracket on end of tension rod. Inside adjusting wheel for tight side-room applications is available in limited sizes.

The hood covers the curtain coil and counterbalance mechanism. Slat hoods are available on blue, brown, beige, and white doors.

**Available Options**
- Vision Slats/Panels
- Secur-Vent (Flat Slat Only)
- Safety Edges
- Drop Stop Device
- Exhaust Ports
- Sloping Bottom Bars
- Powder Coated
- Motor Operators
- Cable Reels
- Mullions
- Thru-Wall Operation
- Stainless Steel or Aluminum Finishes

www.wayne-dalton.com/commercial
ROLLING SERVICE DOORS
800 SERIES

MANUAL OPERATION

ELEVATION
SECTION (UNDER LINTEL)
SECTION

BRACKET MOUNTED POWER UNIT

ELEVATION
SECTION (UNDER LINTEL)
SECTION

ANGLE OR ROLLED GUIDES – FACE MOUNTED TO MASONRY

ANGLE GUIDES – MOUNTED BETWEEN JAMBS

COMMON GUIDE MOUNTING OPTIONS

<table>
<thead>
<tr>
<th>SERIES</th>
<th>GD</th>
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<tbody>
<tr>
<td>2-3/4&quot;</td>
<td>TO 28'0&quot;</td>
<td>WIDTH</td>
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<tr>
<td>3-1/4&quot;</td>
<td>TO 30'0&quot;</td>
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ANGLE OR ROLLED GUIDES – FACE MOUNTED TO STEEL

ROLLED GUIDES – MOUNTED BETWEEN JAMBS
CHAIN HOIST OPERATION

WALL MOUNTED POWER UNIT

THRU-WALL MOUNTED POWER UNIT

Note: 20” sideroom required on opposite door side for power unit
### 800 Series (Face Mounted)

<table>
<thead>
<tr>
<th>Width A</th>
<th>HEIGHT B (OPENING HEIGHT)</th>
<th>9'0&quot;</th>
<th>TO 14'0&quot;</th>
<th>TO 18'0&quot;</th>
<th>TO 18'0&quot;</th>
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<td></td>
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<td>X &amp; Y</td>
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<td>X &amp; Y</td>
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<td>TO 20’0&quot;</td>
<td></td>
<td>18–1/2&quot;</td>
<td>8&quot;</td>
<td>6&quot;</td>
<td>22&quot;</td>
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<tr>
<td>20’0&quot; TO 25’0&quot;</td>
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<td>18–1/2&quot;</td>
<td>8&quot;</td>
<td>6&quot;</td>
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<td>22&quot;</td>
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#### CHAIN HOIST OPERATED

#### MOTOR OPERATED

#### CRANK OPERATED–CONSULT FACTORY

### 800 Series (Between Jambs, Under Lintel)

<table>
<thead>
<tr>
<th>Width A</th>
<th>HEIGHT B (OPENING HEIGHT)</th>
<th>9'0&quot;</th>
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<tr>
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<td>TO 20’0&quot;</td>
<td></td>
<td>18–1/2&quot;</td>
<td>9-1/16&quot;</td>
<td>7-1/16&quot;</td>
<td>22&quot;</td>
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<tr>
<td>20’0” TO 25’0”</td>
<td></td>
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#### CHAIN HOIST OPERATED

#### MOTOR OPERATED

#### CRANK OPERATED–CONSULT FACTORY

**NOTE:** Dimensions are for general reference only and not for construction purposes.
PART I – GENERAL

1.01 Work Included

A. The operator will be equipped with Wayne-Dalton 800 Series rolling doors.

1.02 Related Work

A. Opening preparation, miscellaneous or structural metal work, access panels, finish or field painting, field electrical wiring, conduits, fuses, and disconnect switches are in the Scope of Work of other divisions or trades.

1.03 Reference Standards


C. ASTM A229 – Steel wire, oil-tempered for mechanical springs.


E. ASTM E330 – Structural performance of exterior windows, curtain walls, and doors by uniform static air pressure difference.

1.04 Quality Assurance

A. Rolling doors and all accessories and components required for complete and secure installations shall be manufactured as a system from one manufacturer.

1.05 Systems Description

A. Rolling Door Type:

Model 800

B. Mounting: [steel][wood][masonry] jamb.

C. Operation: [manual push-up][crank][chain hoist][motor][motor with chain hoist].

D. Material: Galvanized steel with polyester finish paint.

1.06 Submittals

A. Shop Drawings: Clearly indicate the following:

1. Design and installation details to withstand standard windload.

2. All details required for complete operation and installation.

3. Hardware locations.

4. Type of metal and finish for door sections.

5. Finish for miscellaneous components and accessories.

B. Product Data: Indicating manufacturer’s product data, and installation instructions.

1.07 Delivery, Handling, Storage

A. Deliver products in manufacturer’s original containers, dry, undamaged, sealed and labels intact.

B. Store and protect products in accordance with manufacturer’s recommendations.

1.08 Warranty

A. Standard manufacturer’s one year warranty against defects in material and workmanship.

PART II – PRODUCTS

2.01 Curtain

A. Curtain will be composed of interlocking [22, 20, 18,16 gauge galvanized steel] [16,14 B&S aluminum] [22, 20,18 stainless steel] slats, roll-formed per ASTM standards and designed to withstand a 20 PSF windload. Ends of continuous slats will be fitted with metal endlocks/windlocks.

B. Bottom Bar will consist of two equal steel [stainless steel][aluminum] angle, .121” minimum thickness, to stiffen curtain with astragal. When required for additional security, provide [slide bolts][cylinder locks] on the bottom bar operable from [coil-side] both sides.

2.02 Guides

A. Guides will be roll-formed steel channel bolted to angle or structural grade, three angle assembly of [galvanized][stainless steel][aluminum] to form a slice of sufficient depth to retain curtains in guides to achieve 20 PSF windload standard. Guides may be provided with integral windlock bars and removable bottom bar stops.

2.03 Brackets

A. Brackets will be of 3/16”[1/4”] minimum thick steel plates with permanently sealed ball bearings. Designed to encode ends of coil and provide support for counterbalance pipe at each end.

2.04 Counterbalance

A. Hood to be coiled on a pipe of sufficient size to carry door load with deflection not to exceed .033” per foot of door span and to be correctly balanced by helical springs, oil-tempered torsion type. Cast iron barrel plugs will be used to anchor springs to tension shaft and pipe.

2.05 Hood

A. Hood will be minimum 24-gauge [aluminum 22 gauge B&S][galvanized][stainless steel] sheet metal, flanged at top for attachment to header and flanged at bottom to provide longitudinal stiffness. Hood will enclose curtain coil and counterbalance mechanism.

2.06 Finish

A. Shop cost of rust inhibitive primer on non-galvanized surfaces and operating mechanisms. Guides and bracket plates will be coated with a flat black prime paint. Aluminum finish to be [mill][204R1 clear anodized][bronze anodized]. Stainless steel finish available. Curtain color will be [white][blue][gray][brown][brown]. Powder coating is available in 180 colors.

2.07 Operation

A. Door will be operated by means of [manual lift-up][chain hoist with gear drive reduction][awning crank][wall crank box][motor operator]. Optional [electrical] [pneumatic] sensing edge to be attached to bottom bar to stop and reverse the door when it contacts an object during the closing cycle.

2.08 Weatherstripping

A. Air/Breath Exo-Tec doors will include flat, slats, bottom astragal, surface guide weatherstrip, and internal hood baffle weatherstrip.

2.09 Locking

A. [Manual lift-up doors will have interior side-bolts suitable for padlocks by others]. Chain-hose door will have chain keepers suitable for padlocks by others. [Electric-motor operated doors will lock through the operator gearing]. Cylinder locks can be provided with the doors.

Notes: When specifying locks on electric-motor operated doors, electric interlocks should also be specified to prevent operation when lock bolts are engaged in the guides, thus preventing damage to the curtain and/or operator.

2.10 Windload

A. Windload – minimum 20 psf per DASMA 102-2003 and as required by local codes.

PART III – EXECUTION

3.01 Installation

A. General:

1. Install doors in accordance with manufacturer’s instructions and standards. Installation shall be by an authorized Wayne-Dalton representative.

2. Verify that existing conditions are ready to receive rolling door work.

3. Beginning of rolling door work means acceptance of existing conditions.

B. Install door complete with necessary hardware, jamb and head mold strips, anchors, inserts, hangers, and equipment supports in accordance with final shop drawings, manufacturer’s instructions, and as specified herein.

C. Fit, align and adjust rolling door assemblies level and plumb for smooth operation.

D. Upon completion of final installation, lubricate, test and adjust doors to operate easily, free of warp, twist or distortion and fitting for entire perimeter.

Notes: Architect may consider providing a schedule when more than one rolling door or opening type is required.

Because of continuing product improvements, we reserve the right to change the product specifications and designs without prior notice.

Distributed By:

Wayne-Dalton

COMMERCIAL DOORS & OPERATORS

For technical information, visit:

www.wayne-dalton.com/commercial

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