

Overhead Door® Knock & Lock™ Door System



The **ONLY**
Self-Resetting
Dock Door

- ▶ Automatically Resets After Impact
- ▶ Eliminates Downtime
- ▶ Eliminates Costly Damage
- ▶ High Performance with Low Maintenance
- ▶ Maximizes Cost Savings
- ▶ Ideal for New Construction or Retrofit



INDUSTRY LEADING
COMMERCIAL & INDUSTRIAL SOLUTIONS



Available Option with
591, 592, 595, 599 &
ALL 400 series

Overhead Door Knock & Lock™ Breakaway Door System

Protection where doors need it most...

95% of all dock door damage is on the bottom two sections.

Overhead Door Corporation's Knock & Lock™ Breakaway Door System is the industry's only self-resetting, impact-resistant dock door available. The rugged Knock & Lock™ is designed for higher productivity, energy efficiency and costs 35% less than a complete breakaway door, making it the ideal choice for any dock environment. In addition, the Knock & Lock™ Breakaway Door System offers a rugged, puncture-proof interior skin with a steel exterior for years of trouble-free service. Every panel is polystyrene insulated to 2 inches, providing an R-value of 8.56, and has dual slide locks on the bottom section for security. Every Knock & Lock™ Breakaway Door System is backed by an industry leading 10-year warranty*. Whether the application requires a breakaway door system or simply breakaway sections for retrofit applications, the Knock & Lock™ Breakaway Door System is the perfect solution for facility managers and architects alike.

- ▶ **Automatic Reset**
- ▶ **Single/Dual Panel Breakout (Breaks In and Out)**
- ▶ **Available in 8-2, 9-2, 10-2 Widths in 24" and 21" Heights**
- ▶ **High-Cycle Springs Standard**
- ▶ **R-Value of 8.56 (599=17.5)**
- ▶ **Dual Slide Locks for Additional Security**
- ▶ **10-year Retractive Cord Warranty**
- ▶ **10-year Puncture Warranty**
- ▶ **2" Rollers for Smooth Operations**
- ▶ **3" Roller Option for Industrial Areas**
- ▶ **Ideal for New Construction or Retrofit**



Self-Resetting...Eliminates Downtime!
Protects Doors Where Needed Most
Virtually Puncture-proof Interior
Breaks Away with Little Force for System Longevity
Industry-Leading Warranty



*Warranty is 10 years on Valtra® interior skin and the retractile cord. All other parts are covered by a 2-year warranty. Labor is covered for one year. See your Knock & Lock™ warranty card for complete details.

Recommended Commercial Operators

Model SEL+



Model SEL+ is designed to operate doors up to 18' (5486mm) in height and 850 pounds (386kg). It is available as a trolley-type or side-mounted unit.

UL Listed Standard Voltages

1/3HP, 115VAC single phase
1/2HP, 115/230VAC single phase and
208-230/460VAC three phase

Model JST+



Model JST+ is designed to operate doors up to 21' (6401mm) in height and 1400 pounds (635kg). It is available as a trolley-type, side-mounted, or center-mounted unit.

UL Listed Standard Voltages

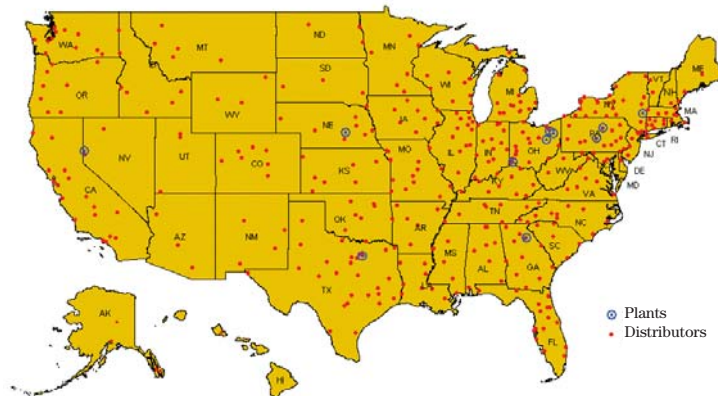
1/3 HP 115VAC single phase
1/2HP & 3/4HP, 115/230VAC, single phase and 208-230/460VAC three phase

Service That Keeps You Rolling

For Overhead Door Corporation, maximizing your uptime is important. That's why every Overhead Door-branded product is backed by **NationServe** – our exclusive “One Call Does It All” customer service program and your passport to fast, professional service. A single call to (800) 935-4745 puts **NationServe's** and our distribution network at your immediate disposal. The **NationServe** call center is staffed by trained professionals and is available 24 hours a day, 7 days a week.

Your **NationServe** representative will diagnose the situation and then provide:

- A “not-to-exceed” cost estimate
- Same-day service for emergency calls
- Service within 24 hours for non-emergency calls
- Fulfillment of parts orders within 24 hours
- A follow-up call within 48 hours
- A detailed service report customized to your requirements



Your One-Stop Source for High-Traffic, Loading Dock and Industrial Door Systems

Overhead Door Corporation offers a complete line of commercial and industrial doors, dock equipment and operator systems through a number of divisions:



- W.B. McGuire (www.wbmcguire.com) for hydraulic and mechanical dock levelers, dock safety equipment, dock seals and shelters, and truck restraints.
- Horton Automatics (www.hortondoors.com) for automatic slide doors for commercial, clean room and industrial applications; manual sliding doors for health care settings; automatic swing doors, folding doors and operators; revolving doors; pass-through windows; APM transit doors; and security doors.
- Overhead Door Corporation (www.overheaddoor.com) for commercial and rolling steel doors, service doors, security grilles, and high-performance traffic doors.

Overhead Door is the industry's leading choice for quality.

For an Overhead Door Distributor near you, call 1-800-929-2553.



Breakaway System

PART 1 GENERAL

1.01 RELATED DOCUMENTS:

All of the Contract Documents, including General and Supplementary Conditions and Division 1 General Requirements, apply to the work of this Section.

1.02 SUMMARY:

The work described in this section includes manufacturing, delivery and installation of Knock & Lock™ Breakaway Door Systems.

Related Sections: Other specification sections which directly relate to the work of this section include, but are not limited to, the following:

Section 05500 – Miscellaneous Metal; metal framing and supports

Section 08710 – Finish Hardware; key cylinders for locks

Section 09900 – Painting; field painting

Section 16100 – Electrical; wiring

1.03 REFERENCES:

Applicable standards; standards of the following, as referenced herein:
American Society for Testing and Materials (ASTM)

1.04 SUBMITTALS:

Product Data: Submit manufacturer's product data and installation instructions for each type and size of Knock & Lock™ Breakaway Door System. Include operating instructions, maintenance information and complete information describing the operating system including instructions.

Shop Drawings: Submit shop drawings for prior approval to fabrication. Include detailed plans, elevations, details of framing members, required clearances, anchors, and accessories. Include relationship with above materials.

1.05 QUALITY ASSURANCE:

Manufacturer: Knock & Lock™ Breakaway Door Systems shall be manufactured by a firm with a minimum of five years experience in the fabrication and installation of sectional doors. Manufacturers proposed for use, which are not named in these specifications, shall submit evidence of ability to meet performance and fabrication requirements specified and include a list of five projects of similar design and complexity completed within the past five years.

Installer: Installation of Knock & Lock™ Breakaway Door Systems shall be performed by an authorized representative of the manufacturer.

Single-Source Responsibility: One manufacturer shall furnish through its authorized representative, each Knock & Lock™ Breakaway Door System as a complete unit as well as any doors, tracks, hardware, motors and accessories for each type of door. Secondary components may be provided from an approved secondary source if acceptable to manufacturer of primary components.

Pre-Installation Conference: Schedule and convene a pre-installation conference just prior to commencement of field operations to establish procedures, maintain optimum working conditions and coordinate this work with related and above work.

1.06 DELIVERY, STORAGE AND HANDLING:

Deliver materials and products in labeled protective packages. Store and handle in strict compliance with manufacturer's instructions and recommendations. Protect from damage caused by weather, excessive temperatures and construction operations.

1.07 WARRANTY:

Manufacturer shall warrant:

Door panel interior skin constructed of Valtra® for a period of ten (10) years.

Panel retractile cord for a period of ten (10) years.

Door panel, hardware and exterior for a period of two (2) years.

Manufacturer shall warrant mechanical against defects in material and workmanship for two (2) years from date of installation.

Manufacturer shall warrant labor for one (1) year from date of installation.

PART 2 PRODUCTS

2.01 ACCEPTABLE MANUFACTURER:

Provide Knock & Lock™ Breakaway Door Systems by Overhead Door Corporation, Dallas, Texas; telephone, (800) 887-3667 or (214) 233-6611, fax (214) 233-0367.

2.02 OVERHEAD DOOR KNOCK & LOCK™ BREAKAWAY SECTIONAL DOOR SYSTEM:

Trade Reference: Knock & Lock™ Breakaway Door System by Overhead Door Corporation

Breakaway Door System Panel Assembly: Metal/Valtra® interior skin with insulation/metal sandwich panel construction, with:

Interior Panel:

Valtra® rubber modified styrenic copolymer (with tensile strength of 4500PSI).

Can be stretched at room temperature to 55% of its dimension without breaking.

Complies with food additive regulation 21CFR177.1640.

Standard panel color is white.

Panel Breakaway Design:

Panel shall not engage roller assembly to activate breakaway feature.

Panel shall not require any manual force to reposition the roller assembly on track or to reset the panel.

Exterior Panel:

Panels consist of painted galvanized steel.

Panel color is to be white.

Wind Load Design:

Panel shall withstand a minimum wind load condition of 14 lbs./sq. ft.

Panel Structure:

Each panel envelops an upper and lower structurally reinforced PVC square tube with additional 20-gauge steel stiffeners.

Panel Insulation:

Complete 2" thick panels have insulation rating of R-8.56.

The panel insulation is comprised of a highly efficient thermal insulation composed of a rigid polystyrene foam core.

Seals:

Door seals are to be a highly durable PVC material to seal the perimeter of the door.

Upper and lower edge seal to be comprised of a loop and single-flap seal configuration.

Side panel seals to be comprised of a single flap configuration.

Locks:

Panels shall feature dual slide locks as standard equipment on every bottom panel.

PART 3 EXECUTION

3.01 PREPARATION:

Take field dimensions and examine conditions of substrates, supports and other conditions under which this work is to be performed. Do not proceed with work until unsatisfactory conditions are corrected.

3.02 INSTALLATION:

Consult installation manual prior to and during installation.

Install door panel and operating equipment complete with necessary hardware and supports in accordance with manufacturer's product data and as specified herein.

Secure panel to hinges, plumb, level and true to line.

Anchor hinges at spacing required.

Provide additional support as necessary for attachment of panel.

Instruct owner's personnel in proper operating procedures and maintenance schedule.

3.03 ADJUSTING AND CLEANING:

Test sectional doors for proper operation and adjust as necessary to provide proper operation without binding or distortion.

Touch-up damaged coatings and finishes and repair minor damage to door panel, hardware and operators. Clean exposed surfaces using non-abrasive materials and methods recommended by manufacturer of material or product being cleaned.

For an Overhead Door Distributor near you, call 1-800-929-2553.

Overhead Door Corporation

Corporate Office

1900 Crown Drive

Farmers Branch, Texas 75234

(800) 275-3290 Telephone

(972) 233-0367 Facsimile

www.OverheadDoor.com



INDUSTRY LEADING
COMMERCIAL & INDUSTRIAL SOLUTIONS

©2004 Overhead Door Corporation
Form: C900-553 10M 12/04 CEN