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Durafront Entrance Systems

- Series 800
- Series 850

SECTION A2

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Project: Waxahachie Civic Center, Waxahachie, TX

Due to the diversity in state/provincial, local, and federal laws and codes that govern the design and application of architectural products, it is the responsibility of the individual architect, owner, and installer to ensure that products selected for use on projects comply with all applicable building codes and laws. U.S. Aluminum exercises no control over the use or application of its products, glazing materials, and operating hardware, and assumes no responsibility thereof.

The rapidly changing technology within the architectural aluminum products industry demands that U.S. Aluminum reserve the right to revise, discontinue or change any product line, specification or electronic media without prior written notice.

NOTE: Dimensions in parentheses () are millimeters unless otherwise noted.

- Other metric units shown in this publication are:
- m - meter
 - Pa - pascal
 - MPa - megapascal
 - Kg - kilogram
 - KPa - kilopascal

ENTRANCES



Specifications

Durafront Entrance Systems

- Series 800
- Series 850

08 11 16 ALUMINUM DOOR AND FRAMES

SERIES	STILES	TOP RAIL	BOTTOM RAIL	GLAZING INFILL
800 Medium Stile	3-1/2" (88.9)	3-11/32" (84.9)	6-1/2" (165.1)	1/4" (6) or 1" (25)
850 Wide Stile	5" (127)	5-1/2" (139.7)	6-1/2" (165.1)	1/4" (6) or 1" (25)
A.D.A. Bottom Rail Option for Either Series			9-1/2" (241.3)	

I. GENERAL DESCRIPTION

Work Included: The glazing contractor shall furnish all necessary materials, labor, and equipment for the complete installation of aluminum entrance doors, door frames, and hardware as detailed on the drawings and specified herein.

Work Not Included: Structural support of the framing system, wood framing, structural steel, masonry, and final cleaning.

QUALITY ASSURANCE

For purposes of designating type and quality for work in this section, drawings and specifications are based on United States Aluminum Series (*Specify*) Durafront Entrance System. Optional: Door shall have ADA 9-1/2" (241.3) bottom rail.

When substitute products are to be considered, supporting technical literature, samples and drawings must be submitted 10 days prior to bid date in order to make a valid comparison of the products involved.

II. PRODUCT MATERIALS

Door and frame members shall be extruded architectural aluminum 6063-T5 alloy and temper. Jamb and major portions of doors shall have a minimum wall thickness of .188" (4.8). Frame sections shall be tubular members and shall provide for flush glazing of sidelites and transom areas. Applied stops shall be allowed at header bar only.

Overall dimension of frame members shall be 1-3/4" (44.5) x 4-1/2" (114.3) to accommodate 1/4" glass or 2" (50.8) x 4-1/2" (114.3) to accommodate 1" glass. Frames for offset hung doors shall feature snap-in

door stops with continuous weather-stripping. Screws, nuts, washers, bolts, rivets, and other fastening devices shall be aluminum, stainless steel or other non-corrosive materials.

DOOR CONSTRUCTION

Door stiles and rails shall be tubular sections, accurately joined at corners with heavy concealed reinforcement brackets secured with bolts, screws, and then MIG welded. Doors shall have snap-in stops with E.P.D.M. glazing gasket on both sides of the glass. No exposed screws shall be permitted. Each door leaf shall be equipped with an adjusting mechanism, located in the top rail near the lock stile, which provides for minor clearance adjustments after installation. A hard-backed poly-pile weather-strip shall be installed in center hung door stiles and in lock stile of all pairs of doors. Offset pivoted or butt hung doors shall have weather-stripped door stops at frame jambs and header. The active meeting stile of all pair of doors shall have an adjustable astragal with double line of weather-stripping.

OPTIONAL: Door bottom rail will be weathered with an E.P.D.M. blade gasket sweep strip applied with concealed fasteners. (**NOTE:** This option is required for high performance conditions.)

OPTIONAL: Door bottom rail shall receive a concealed weather-stripped insert.

HARDWARE

Hardware for aluminum doors and door frames shall be the entrance manufacturer's standard. If custom hardware is to be furnished by others,

templates and physical hardware must be submitted prior to any fabrication.

FINISH

All exposed framing surfaces shall be free of scratches and other serious blemishes. Aluminum extrusions shall be given a caustic etch followed by an anodic oxide treatment to obtain... (*Specify one of the following*).

____ #11 Clear anodic coating
 ____ #22 Dark Bronze anodic coating
 ____ #33 Black anodic coating
 A Fluoropolymer paint coating conforming with the requirements of AAMA 2605. Color shall be (*Specify a U. S. Aluminum standard color*).

III. EXECUTION INSTALLATION

All items under this heading shall be set in their correct locations as shown in the details and shall be level, square, plumb and at proper elevation and in alignment with other work in accordance with the manufacturer's installation instructions and approved shop drawings. All joints between entrance framing and the building structure shall be sealed in order to secure a watertight installation. Upon completion of the installation of the entrances, it shall be the contractor's responsibility to make all necessary final adjustments to attain normal operation of each door and its mechanical hardware.

PROTECTION AND CLEANING

After installation, the General Contractor shall adequately protect exposed portions of the aluminum entrance work from damage by grinding and polishing compounds, plaster, lime, acid, cement, or other contaminants. The General Contractor shall be responsible for final cleaning.

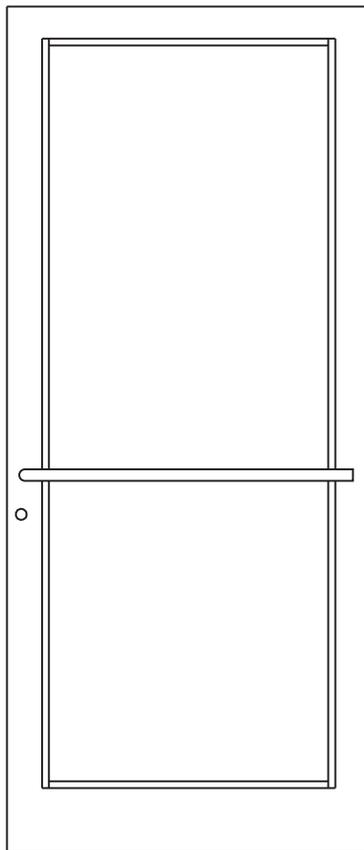
Technical Data

Durafront Entrance Systems

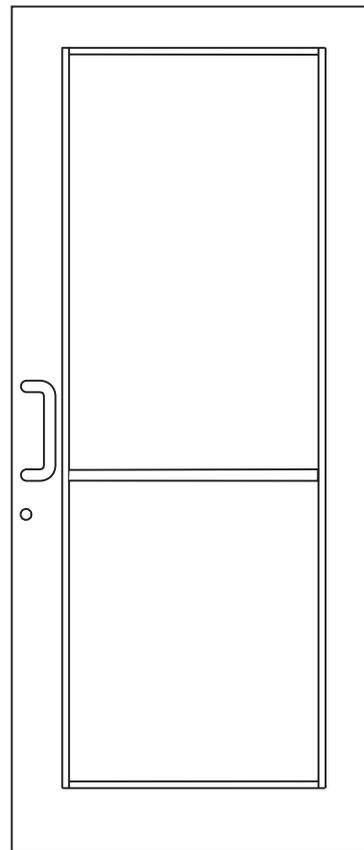
- Series 800
- Series 850

Durafront Doors and frames are fabricated from tubular aluminum extrusions with a wall thickness of 3/16" (4.8). These extra strong, long-lasting entrance packages are ideal for locations subjected to extremely high traffic flow.

Durafront Entrance Packages, which are offered for center and offset hung doors, can be easily adapted to most U.S. Aluminum Framing Systems. The door feature mechanically fastened and welded corner construction. Offset hung doors are supplied with a pair and a half of heavy-duty hinges, or pivot sets or a continuous gear hinge. A variety of custom hardware is available upon request.



Series 800
(Center Hung Door Shown)



Series 850
(Offset Hung Door Shown)

SERIES	STILES	TOP RAIL	BOTTOM RAIL	APPLICATIONS
800 Medium Stile	3-1/2" (88.9)	3-11/32" (84.9)	6-1/2" (165.1)	Extremely Heavy Traffic (Institutional Buildings, Schools, Sports Arenas)
850 Wide Stile	5" (127)	5-1/2" (139.7)	6-1/2" (165.1)	
A.D.A. Bottom Rail Option for Any Series			9-1/2" (241.3)	A.D.A.

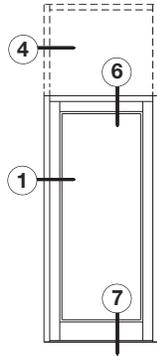
ENTRANCES

Typical Details

Durafront Entrance Systems

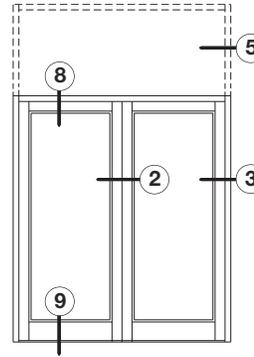
• Series 800

FOR 1/4" (6) OR 1" (25) GLAZING



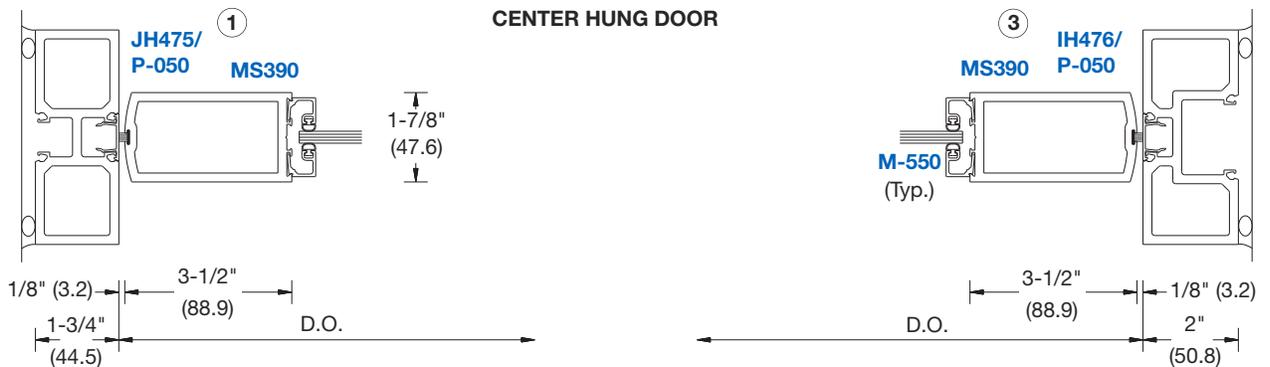
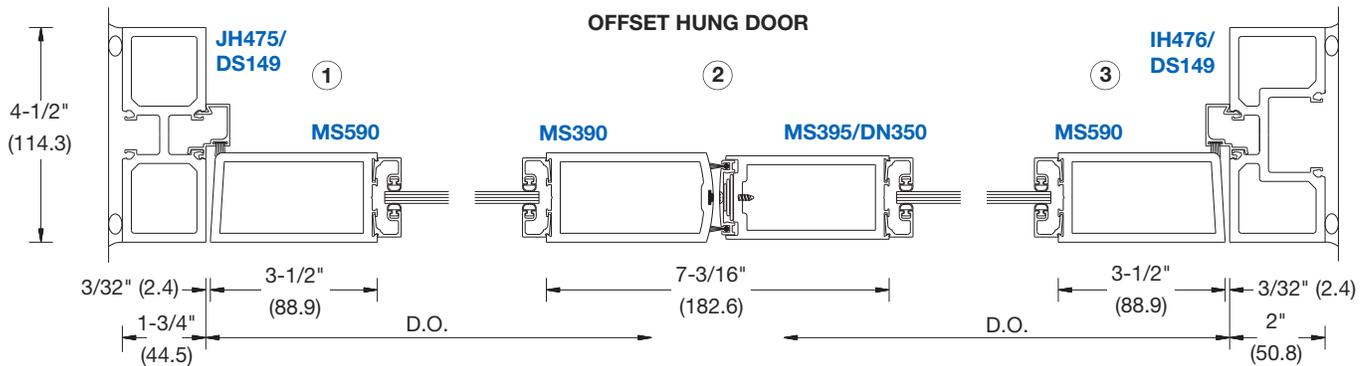
SINGLE DOOR

Shown With 1-3/4" x 4-1/2" (44.5 x 114.3) Frame



PAIRS OF DOORS

Shown With 2" x 4-1/2" (50.8 x 114.3) Frame



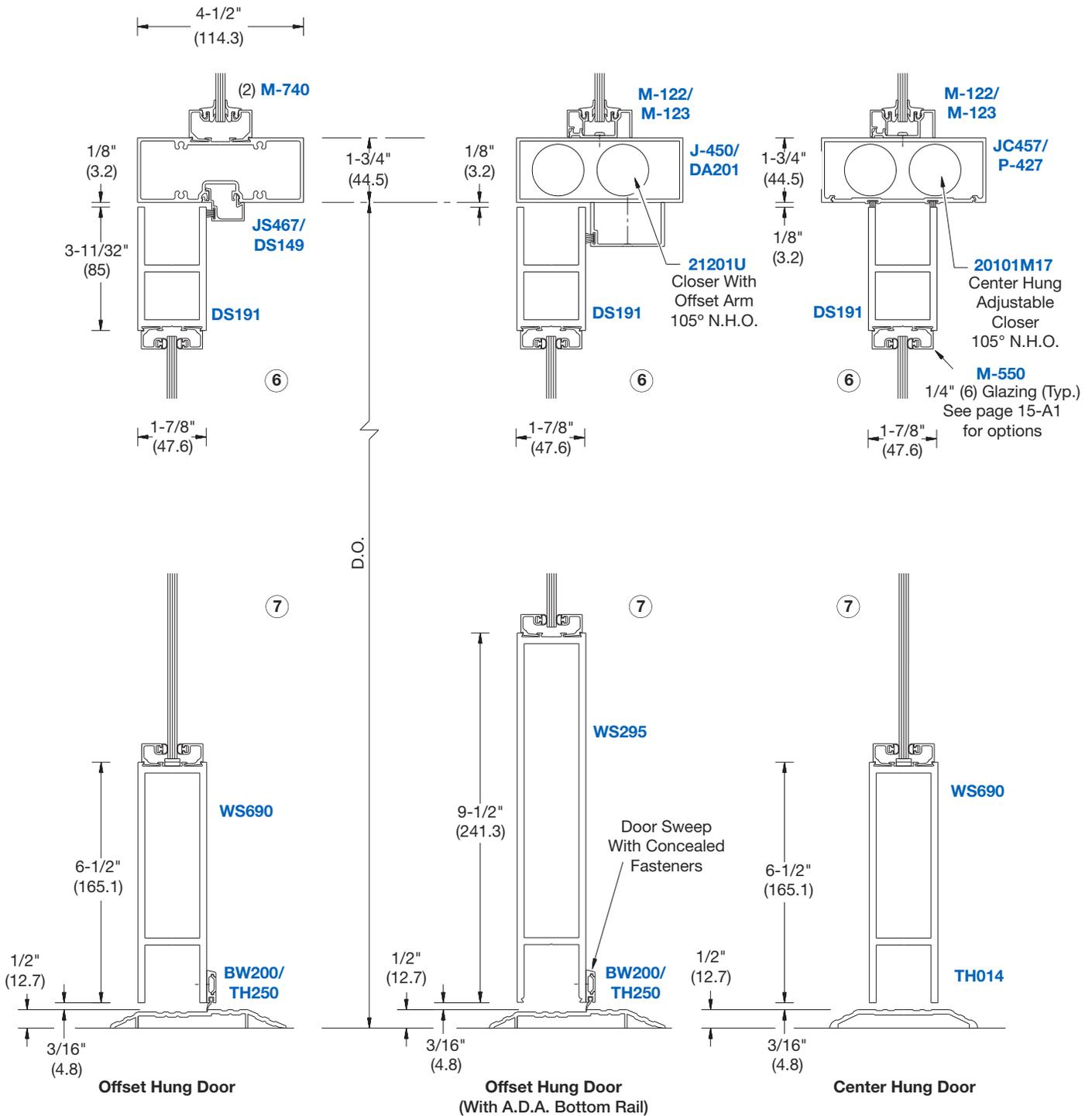
NOT TO SCALE

Typical Details

Durafront Entrance Systems

• Series 800

FOR 1/4" (6) OR 1" (25) GLAZING



NOT TO SCALE

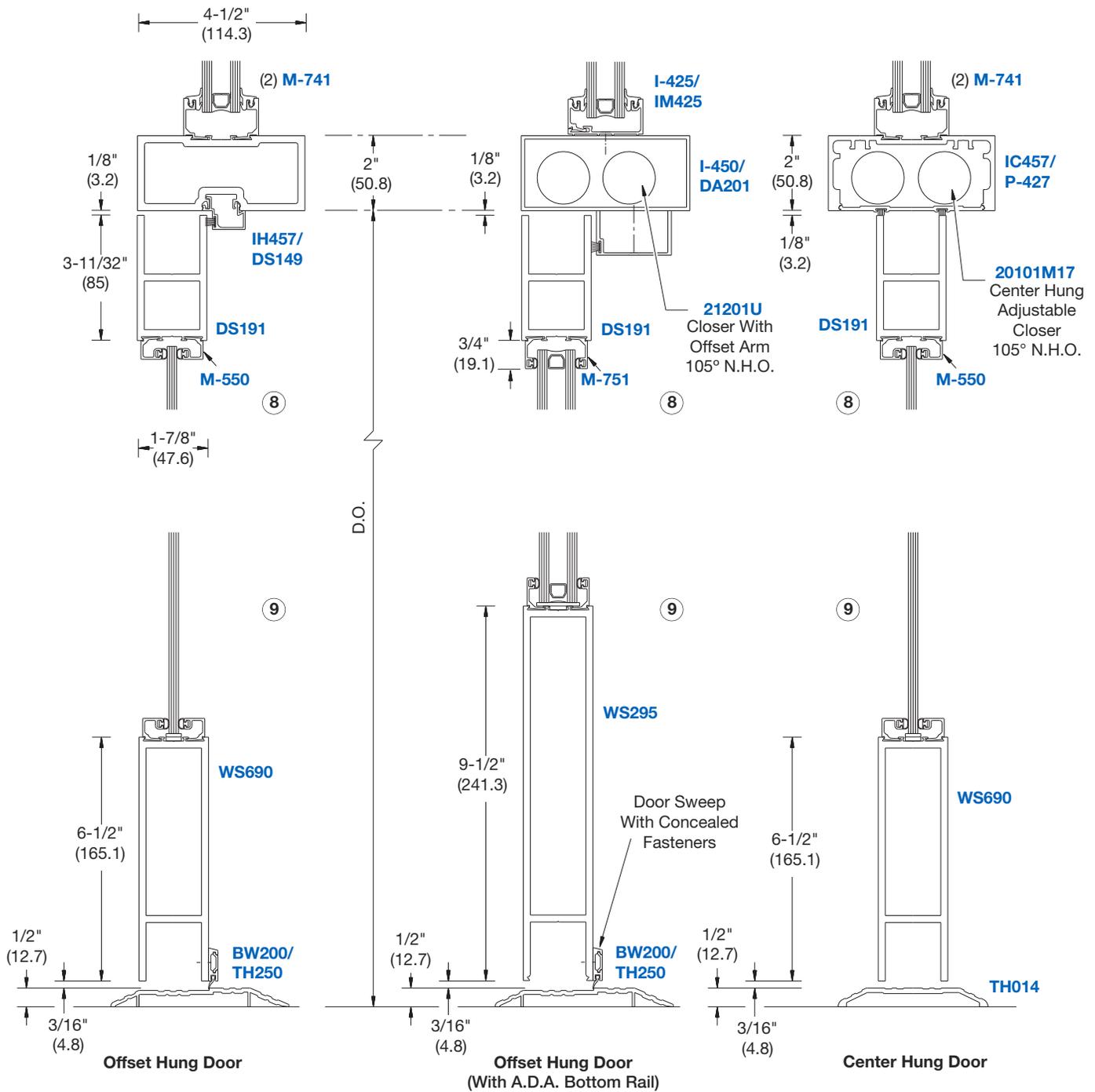
ENTRANCES

Typical Details

Durafront Entrance Systems

• Series 800

FOR 1/4" (6) OR 1" (25) GLAZING



NOT TO SCALE

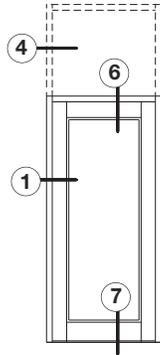
Online usalum.com By Phone (800) 262-5151
 Online crlaurence.com By Phone (800) 421-6144

Typical Details

Durafront Entrance Systems

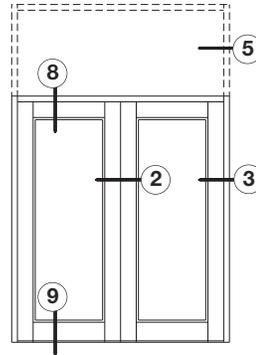
• Series 850

FOR 1/4" (6) OR 1" (25) GLAZING



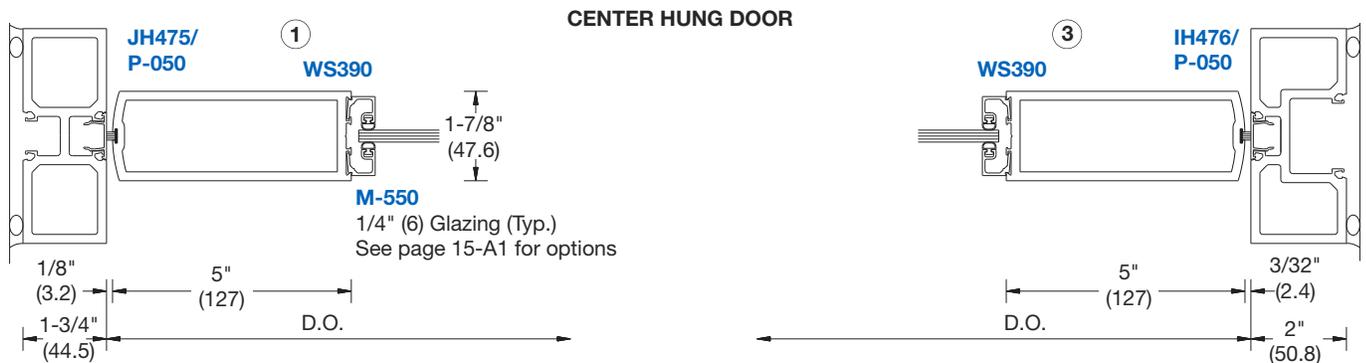
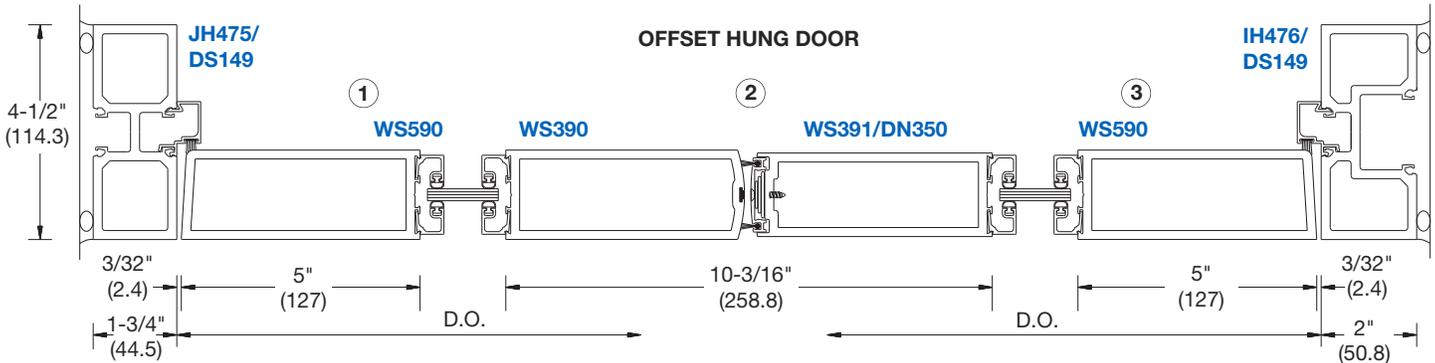
SINGLE DOOR

Shown With 1-3/4" x 4-1/2"
(445 x 1143) Frame



PAIR OF DOORS

Shown With 2" x 4-1/2"
(445 x 1143) Frame



NOT TO SCALE

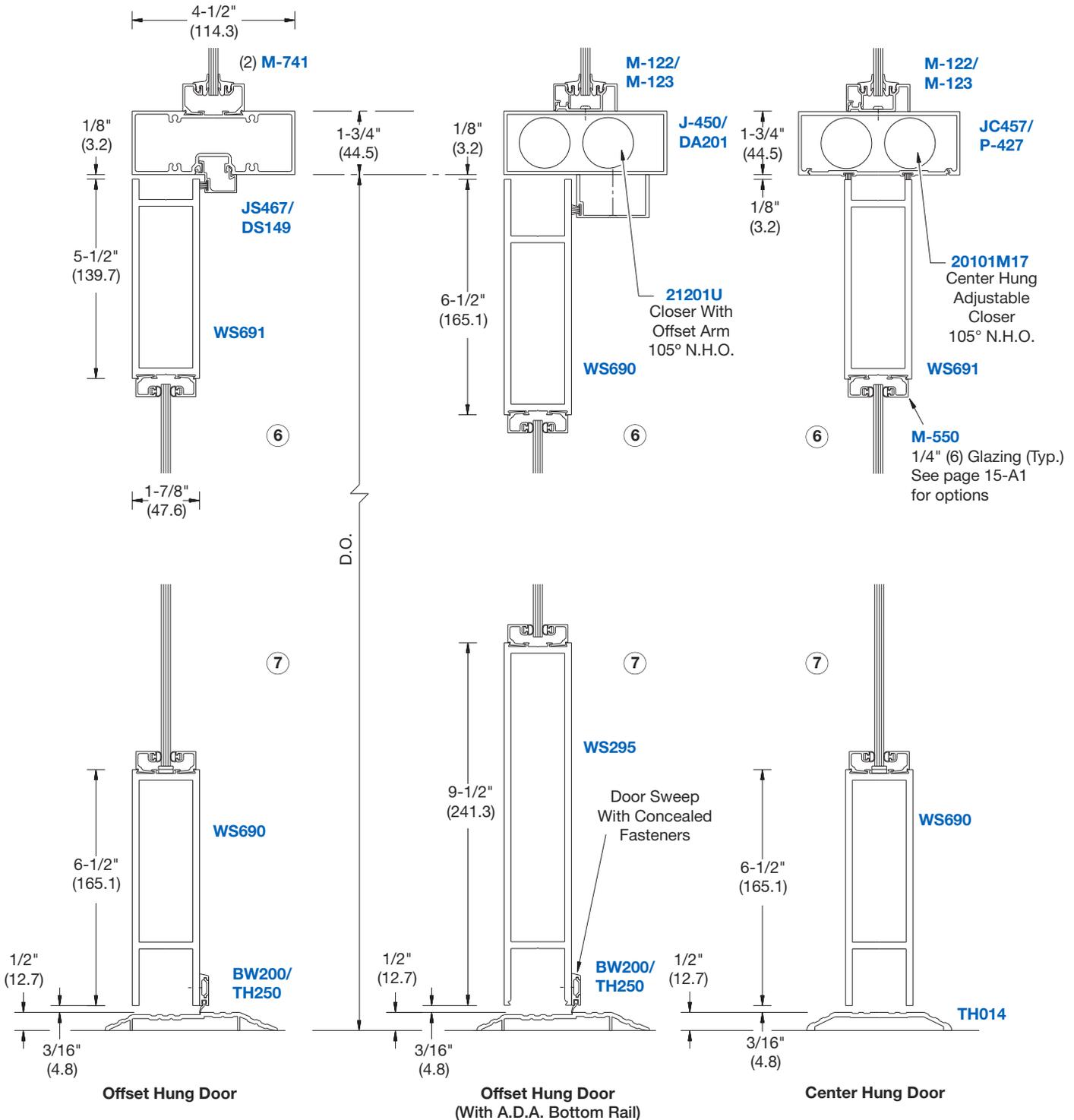
ENTRANCES

Typical Details

Durafront Entrance Systems

• Series 850

FOR 1/4" (6) OR 1" (25) GLAZING



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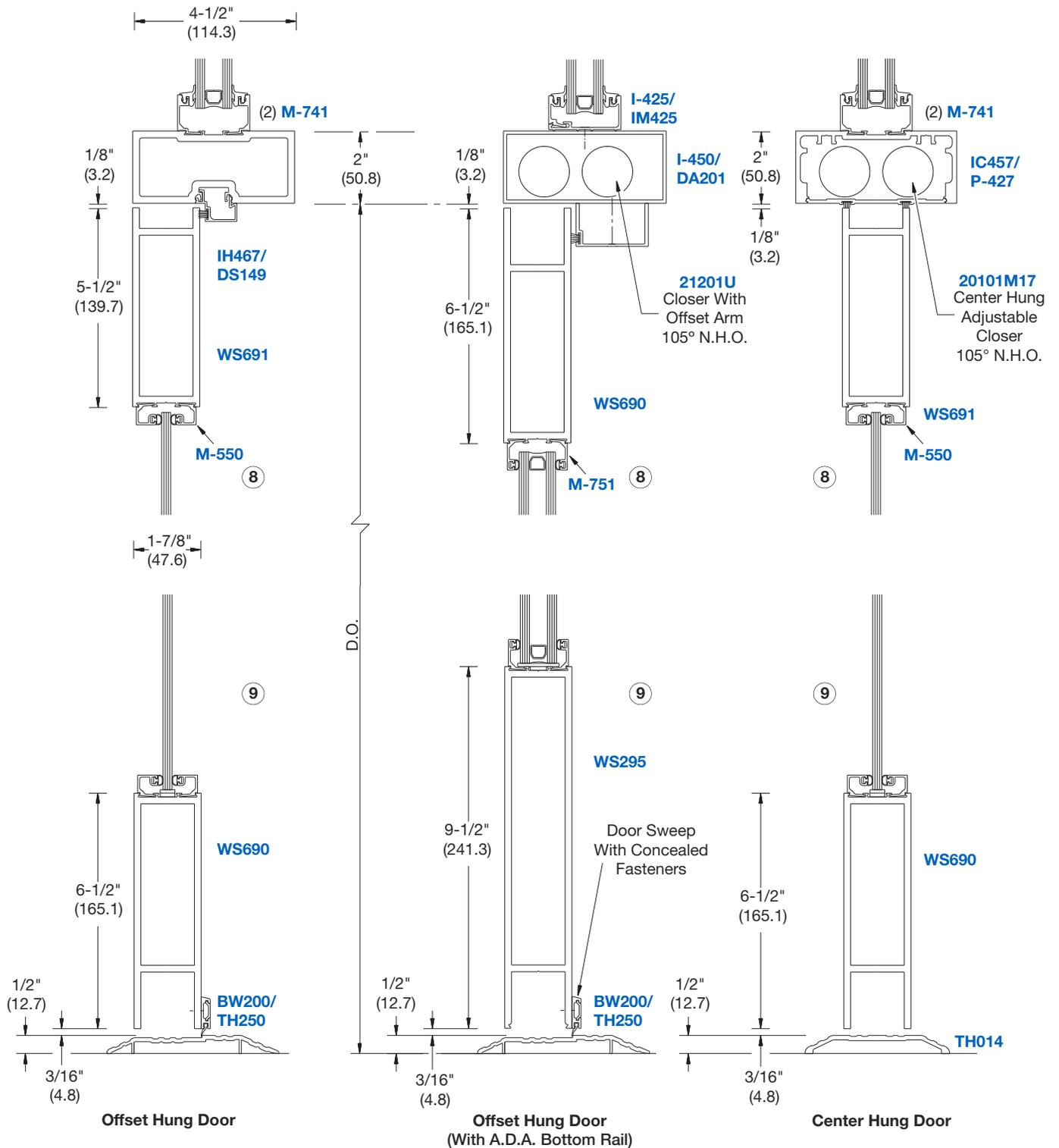
Online usalum.com By Phone (800) 262-5151
 Online crlaurence.com By Phone (800) 421-6144

Typical Details

Durafront Entrance Systems

• Series 850

FOR 1/4" (6) OR 1" (25) GLAZING



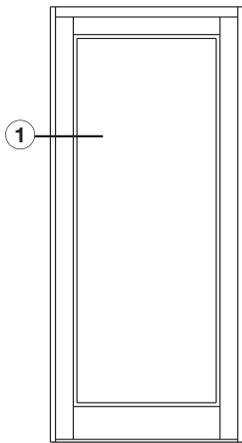
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ENTRANCES

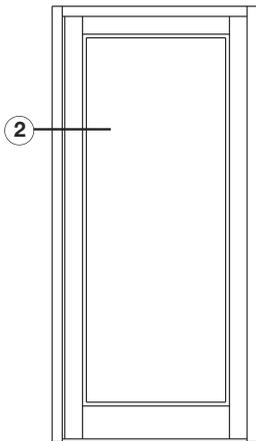
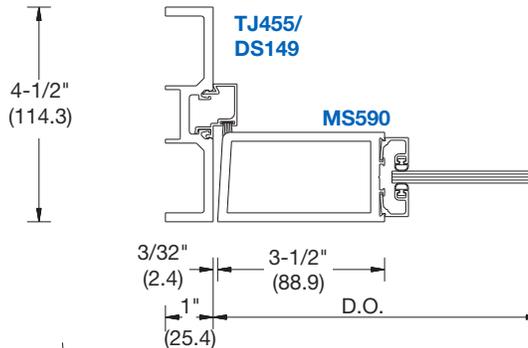
Subframes and Gear Hinges

Durafront Entrance Systems

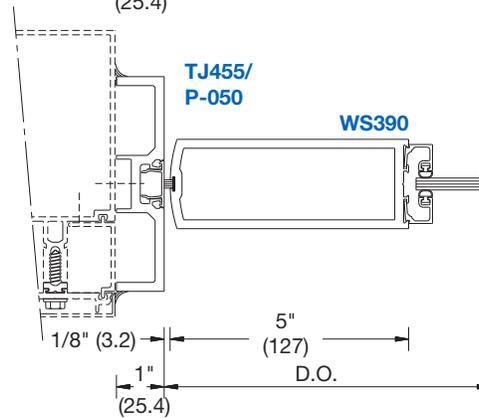
- Series 800
- Series 850



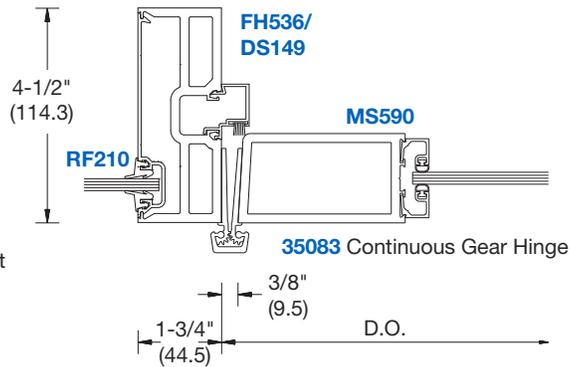
1
SERIES 800
Shown With
Offset Hung Door
With 1" (25)
Subframe



1
SERIES 850
Shown With
Center Hung Door
in Curtain Wall
Application With
1" (25) Subframe

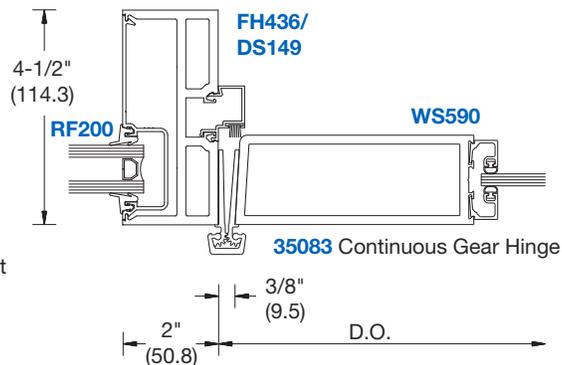


2
SERIES 800
Shown With
1-3/4" x 4-1/2"
(44.5 x 114.3) Flush Front
Frame



NOTE: Continuous Gear Hinge
Requires Special Clearance

2
SERIES 850
Shown With
2" x 4-1/2"
(50.8 x 114.3) Flush Front
Frame



NOT TO SCALE

Special Features

Durafront Entrance Systems

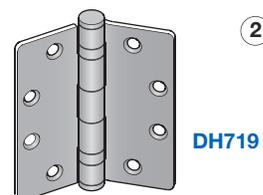
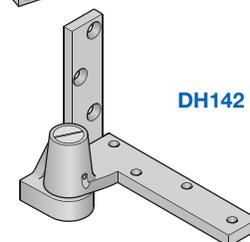
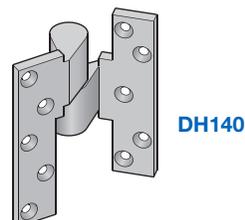
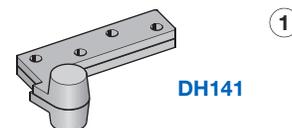
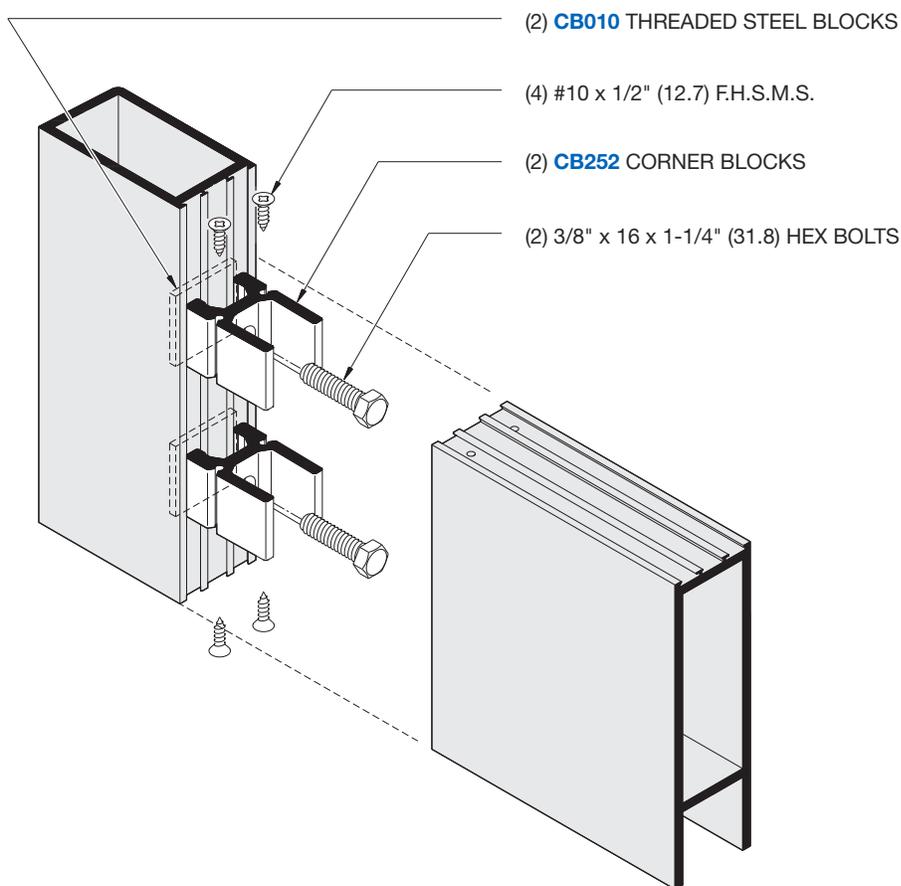
- Series 800
- Series 850

Hinging Hardware for Offset Hung Doors

- ① Heavy-Duty Top, Intermediate, and Bottom Pivots - Standard
- ② Pair and a Half of 5" x 4-1/2" (127 x 114.3) Butt Hinges Per Leaf - Standard
- ③ Continuous Gear Hinges - Optional

Door Corner Construction

DOOR CORNERS ARE MECHANICALLY FASTENED AND WELDED



ENTRANCES

Entrance Door Options

Mid-Panel Panic Exit Devices

This entrance option is available on the following U.S. Aluminum products:

MID-PANEL PANIC COMPATIBLE PRODUCTS

Series 250 Narrow Stile Doors

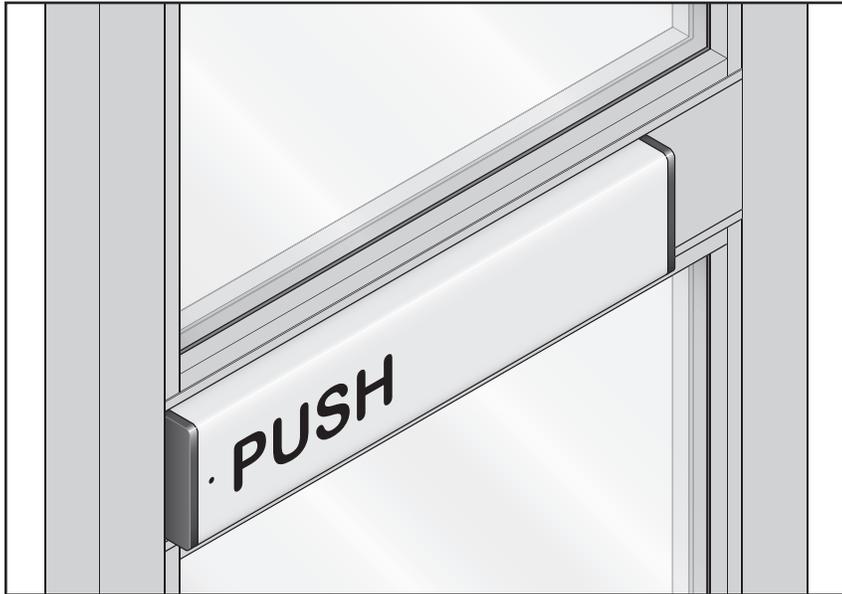
Series 400 Medium Stile Doors

Series 550 Wide Stile Doors

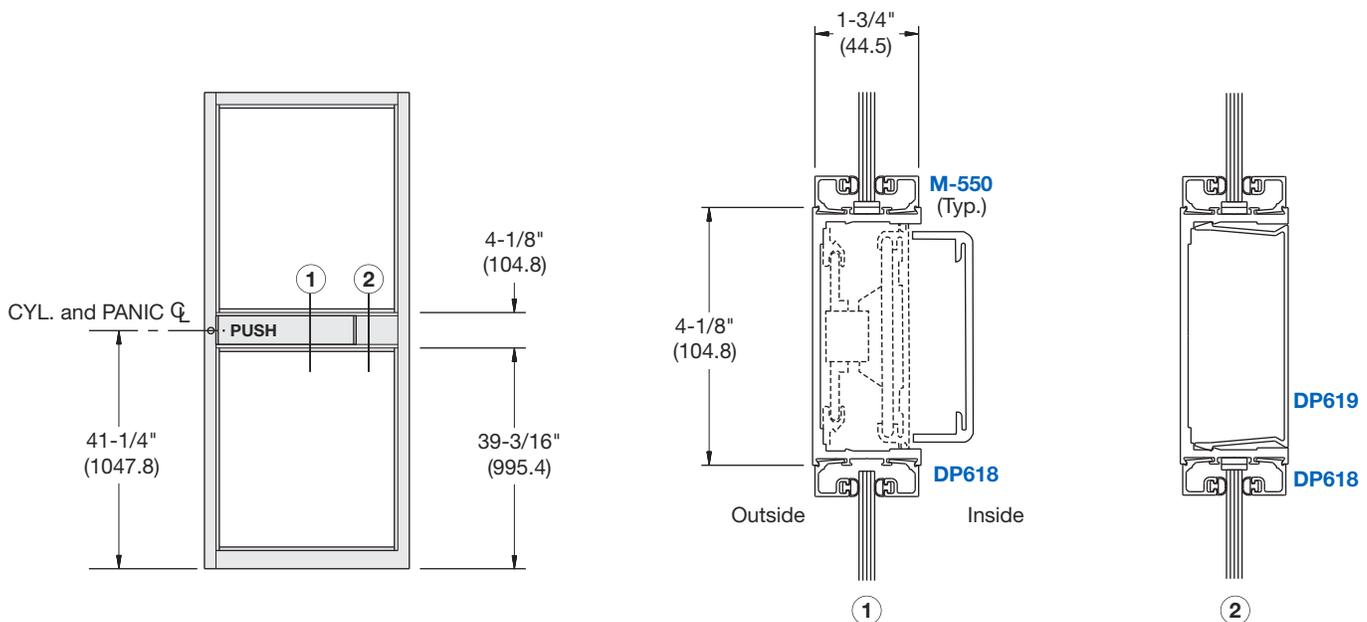
Series 800 Durafront Entrance Systems

Series 850 Durafront Entrance Systems

NOTE: CRL Jackson Brand Panics are the standard. However, if you require Von Duprin® or other brand panics we can supply as requested.



Combining contemporary styling with maximum security features, the Mid-Panel Panic option provides a Concealed Vertical Rod Panic Device with a Touch Bar Actuator. Matching mid-panels without hardware are available for sidelites.



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Von Duprin is a registered trademark of Ingersoll-Rand plc, its subsidiaries and/or affiliates in the United States and other countries.

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 Online crlaurence.com By Phone (800) 421-6144

Entrance Door Options

Panic Exit Devices

VON DUPRIN® 33A/35A SERIES EXIT DEVICE PRODUCTS

- Fits Door Stiles as Narrow as 1-3/4" (44)
- Available With Smooth or Grooved Housing
- Non-Handed
- UL Listed and Tested to ANSI A156.3, Grade 1



VON DUPRIN®

Von Duprin® designs and manufactures Exit Devices to the highest standards of quality and reliability in accordance with U.S. domestic and international standards. All 33A and 35A Series Exit Devices are UL Listed for Panic Exit Hardware, and are tested in accordance to ANSI A156.3, Grade 1 standards. For additional information, contact U.S. Aluminum Technical Sales at (800) 262-5151. You can also visit our web site at usalum.com.



33A Series features a grooved mechanism case



35A Series features a smooth mechanism case

RIM DEVICES

33A GROOVED PART NO.	35A SMOOTH PART NO.	DEVICE LENGTH	FINISH
33AE03626	35AE03626	36" (914)	Satin Chrome
33AE03313	35AE03313	36" (914)	Dark Bronze
33AE04626	35AE04626	48" (1219)	Satin Chrome
33AE04313	35AE04313	48" (1219)	Dark Bronze

Minimum order: 1 each.

SURFACE MOUNTED VERTICAL ROD DEVICES

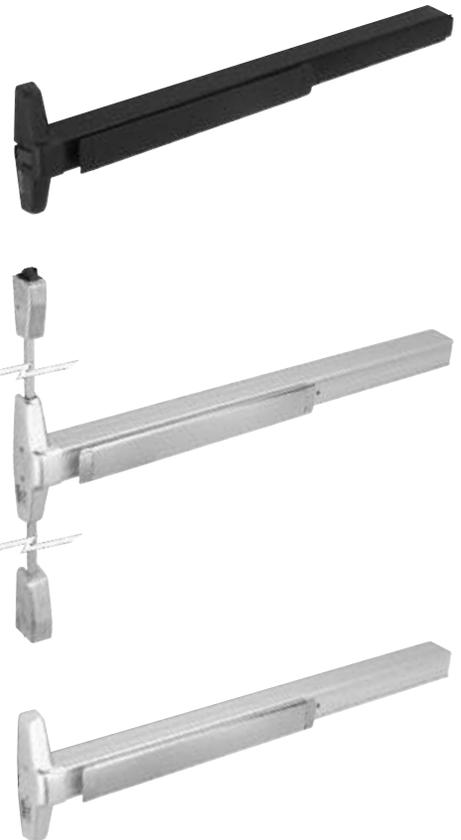
33A GROOVED PART NO.	35A SMOOTH PART NO.	DEVICE LENGTH	FINISH
3327AE03626	3527AE03626	36" (914)	Satin Chrome
3327AE03313	3527AE03313	36" (914)	Dark Bronze
3327AE04626	3527AE04626	48" (1219)	Satin Chrome
3327AE04313	3527AE04313	48" (1219)	Dark Bronze

Minimum order: 1 each.

CONCEALED VERTICAL ROD DEVICES

33A GROOVED PART NO.	35A SMOOTH PART NO.	DEVICE LENGTH	FINISH
3347AE03626	3547AE03626	36" (914)	Satin Chrome
3347AE03313	3547AE03313	36" (914)	Dark Bronze
3347AE04626	3547AE04626	48" (1219)	Satin Chrome
3347AE04313	3547AE04313	48" (1219)	Dark Bronze

Minimum order: 1 each.



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ENTRANCES

Entrance Door Options

- Design for Use With 1-3/4" (44) Narrow, Medium, and Wide Stile Aluminum, Wood, or Hollow Metal Doors
- Concealed Fastening for Added Security

Panic Exit Devices



CRL JACKSON 10 SERIES PANIC EXIT DEVICES

Features:

- Contoured Field Sizeable 48" (1219) Long Crossbar
- Standard Door Height 84" (2134) – Extension Available
- Dual Dogging Feature – By Outside Cylinder
– By Dogging Pins on Panic Housing
- Wear Points Insulated by Nylon Sleeves and Rollers

PART NO.	TYPE	HANDING	FINISH
311095LC4628	Rim - 'C' Strike	Left Hand-Reverse Bevel	Satin Aluminum
311095RC4628	Rim - 'C' Strike	Right Hand-Reverse Bevel	Satin Aluminum
311095LC4313	Rim - 'C' Strike	Left Hand-Reverse Bevel	Dark Bronze
311095RC4313	Rim - 'C' Strike	Right Hand-Reverse Bevel	Dark Bronze
31108547628	Concealed Vertical Rod	Non-Handed	Satin Aluminum
31108547313	Concealed Vertical Rod	Non-Handed	Dark Bronze

Minimum order: 1 each.



Model 1095



Model 1085

Materials:

Body and Arms: High Tensile Strength Aluminum
Mechanical Components: Stainless and Hardened, Plated Steel
Latch and Strikes: Sintered Steel

CRL JACKSON 20 SERIES PANIC EXIT DEVICES

Features:

- Standard 36" (914) Wide Door - Field Sizeable up to 48" (1219) Width Available on Special Order
- Standard Door Height 84" (2134) – Extension Available
- Concealed Easy to Use Dogging System – Optional Cylinder Dogging Available on Special Order
- Wear Points Insulated by Nylon Sleeves and Rollers

PART NO.	TYPE	HANDING	FINISH
312095LC3628	Rim - 'C' Strike	Left Hand-Reverse Bevel	Satin Aluminum
312095RC3628	Rim - 'C' Strike	Right Hand-Reverse Bevel	Satin Aluminum
312095LC3313	Rim - 'C' Strike	Left Hand-Reverse Bevel	Dark Bronze
312095RC3313	Rim - 'C' Strike	Right Hand-Reverse Bevel	Dark Bronze
312085L37628	Concealed Vertical Rod	Left Hand-Reverse Bevel	Satin Aluminum
312085R37628	Concealed Vertical Rod	Right Hand-Reverse Bevel	Satin Aluminum
312085L37313	Concealed Vertical Rod	Left Hand-Reverse Bevel	Dark Bronze
312085R37313	Concealed Vertical Rod	Right Hand-Reverse Bevel	Dark Bronze

Minimum order: 1 each.



Model 2095



Model 2085

Materials:

Body and Push-Pad: Extruded Aluminum
Mechanical Components: Stainless and Hardened, Plated Steel
Latch and Strikes: Sintered Steel



Entrance Door Options

JACKSON 1200 SERIES PANIC EXIT DEVICES

- Designed for Use With 1-3/4" (44) Narrow, Medium, and Wide Stile Aluminum, Wood or Hollow Metal Doors
- "Soft-Touch" Smooth Action Push-Pad
- Field Sizeable

PART NO.	TYPE	HANDING	FINISH
31127537628	36" Surface Vertical Rod	Non-Handed	Satin Aluminum
31127537313	36" Surface Vertical Rod	Non-Handed	Dark Bronze
311285L37628	36" Concealed Vertical Rod	Left Hand-Reverse Bevel	Satin Aluminum
311285R37628	36" Concealed Vertical Rod	Right Hand-Reverse Bevel	Satin Aluminum
311285L37313	36" Concealed Vertical Rod	Left Hand-Reverse Bevel	Dark Bronze
311285R37313	36" Concealed Vertical Rod	Right Hand-Reverse Bevel	Dark Bronze
311295C3628	Rim – 36" Base-'C' Strike	Non-Handed	Satin Aluminum
311295C4628	Rim – 48" Base-'C' Strike	Non-Handed	Satin Aluminum
311295C3313	Rim – 36" Base-'C' Strike	Non-Handed	Dark Bronze
311295C4313	Rim – 48" Base-'C' Strike	Non-Handed	Dark Bronze

Minimum order: 1 each.

Specifications:

1275 Surface Vertical Rod Device

- Stocked in Both 36" (914) and 48" (1219) Widths
- Standard Door Height 84" (2134 mm) – Field Sizeable

1285 Concealed Vertical Rod Device

- Stocked in Both 36" (914) and 48" (1219) Widths
- Standard Height 84" (2134) - Extension Available
- Requires Cylinder Mounting Pad When Using Mortise Cylinder for Keyed Outside Entry

1295 Rim Device

- Stocked in Both 36" (914) and 48" (1219) Widths
- Surface Mounted Roller Strike Standard
- Requires Rim Cylinder for Keyed Entry

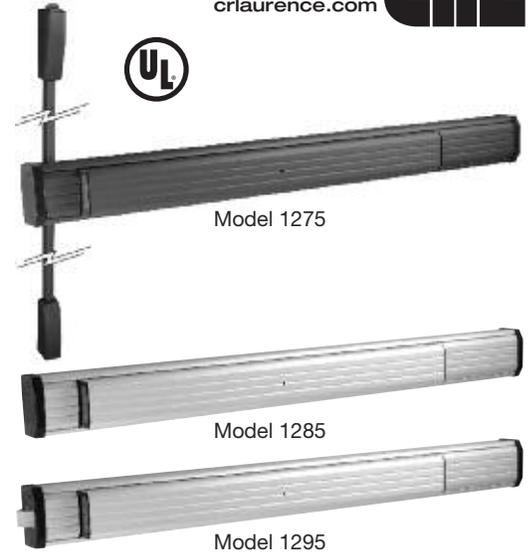
JACKSON 10 SERIES PUSH-PAD RETROFIT DEVICE

- Sleek, Contemporary Style Push-Pad to Retrofit Existing CRL Jackson 1085 Concealed Vertical Rod Crossbar Exit Device
- Uses Existing 10 Series Rod and Case Assembly
- Easy Installation – Cut to Fit

PART NO.	HANDING	FINISH
311285RL3628	36" Left Hand-Reverse Bevel	Satin Aluminum
311285RR3628	36" Right Hand-Reverse Bevel	Satin Aluminum
311285RL3313	36" Left Hand-Reverse Bevel	Dark Bronze
311285RR3313	36" Right Hand-Reverse Bevel	Dark Bronze



Panic Exit Devices



Materials:

Base and Push-Pad: Extruded Aluminum
 Mechanical Components: Stainless and Hardened, Plated Steel
 Latch and Strikes: Sintered Steel



Specifications:

- Stocked in Both 36" (914) and 48" (1219) Widths

Materials:

Base and Push-Pad: Extruded Aluminum
 Mechanical Components: Stainless and Hardened, Plated Steel

ENTRANCES

Entrance Door Options



- **Access Control Handles With a Large Selection of Exterior Fixed Pulls for Medium and Wide Stile Doors**
- **Available in Polished and Brushed Stainless, Satin and Polished Brass, and Oil Rubbed Bronze**
- **Custom Finishes Available By Special Order**

CRL-Blumcraft manufactures a complete line of Access Control Handles for all your door needs. We have Panic Devices, Deadbolt Handles, and Electronic Egress Control Handles in a wide variety of configurations. We can also supply you with Dummy Handles to match these devices, allowing you to maintain the same appearance throughout the project, but without the added costs. Please review the following pages for the complete selection, or visit crlaurence.com for more information.



For additional information, contact CRL Technical Sales at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International, and ask for Ext. 7700. You can e-mail us through our web site at crlaurence.com. From the home page click on Contact Us, and then click on Technical Sales for Commercial Products.

Online usalum.com By Phone (800) 262-5151
 Online crlaurence.com By Phone (800) 421-6144

Entrance Door Options

- Available in Panic, Deadbolt, Electronic Egress, and Dummy Models
- Stock Sizes Available for Immediate Shipment
- Custom Sizes Ship Within One to Two Weeks



CRL-BLUMCRAFT PANIC HANDLES

- Elegant Tubular Design
- UL and ANSI/BHMA Certified



The operating mechanism concealed within the vertical tubing of our Panic Handles retracts the latch bolt when the interior actuation bar is pushed. An optional exterior Keyed Access Device can be installed to allow entry. A special dogging feature allows the doors to remain unlocked during business hours. Electronic Strikes are also available, providing a variety of secured entry options.



CRL-BLUMCRAFT DEADBOLT HANDLES

- Easy Secure Access
- ANSI/BHMA Certified

The locking mechanism is concealed within the vertical tubing of our Deadbolt Handles, providing easy access through the use of a variety of keying options. An optional Top Latch Roller Bolt allows the use of Electronic Strikes for controlled entry systems.



CRL-BLUMCRAFT ELECTRONIC EGRESS CONTROL HANDLES

- Ideal for Maintaining Security and Aesthetics
- UL Recognized Component
- U.S. Patent No. 7,347,461



An electronic switch concealed within the vertical tubing of our Electronic Egress Control Handle releases the magnetic lock at the top or bottom of the door when the interior actuation bar is pushed. Please consult your local building codes as they relate to electromagnetic locking hardware acceptability.



CRL-BLUMCRAFT DUMMY HANDLES

- An Endless Variety of Configurations are Available to Match Our Panic, Deadbolt, and Electronic Egress Handles
- Elegant Tubular Design

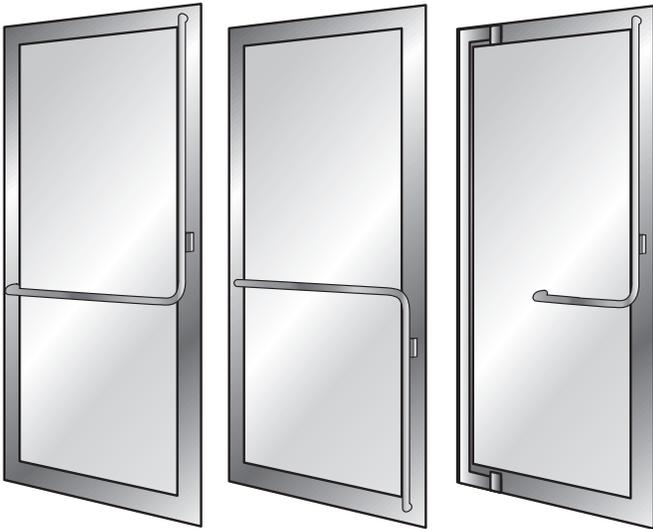
When functionality is not required, our Dummy Handles can be made to match any of our Panic, Deadbolt or Electronic Egress Handles, giving you the same appearance throughout your project.



ENTRANCES

Entrance Door Options

STANDARD INTERIOR CONFIGURATIONS FOR CRL-BLUMCRAFT PANIC HANDLES



PA100 Series

PA110 Series

BDA100 Series

Available with or without Keyed Access Device

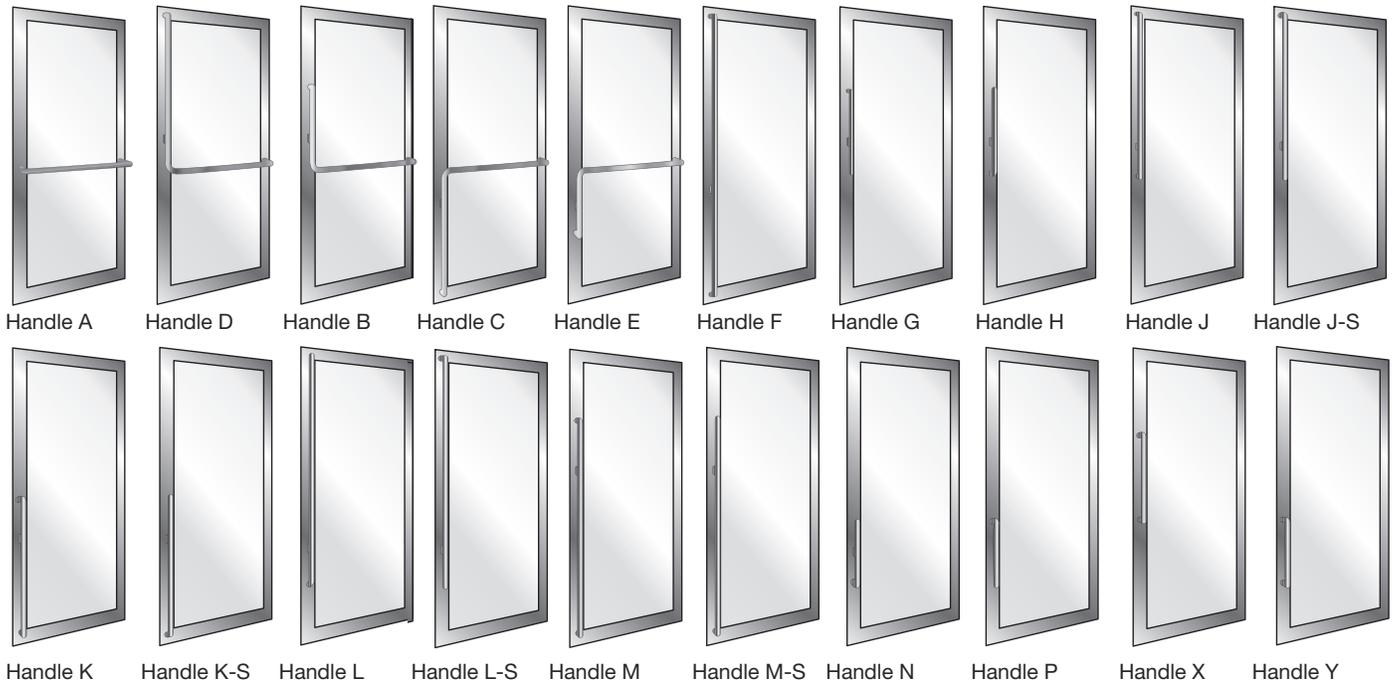
For Balanced Door Panic Handles see opposite page



EXTERIOR HANDLE COMBINATIONS FOR DOORS WITH CRL-BLUMCRAFT PANIC HANDLES

NOTE: All Exterior Fixed Handles below can be used in combination with any Panic Handle.

Contact U.S. Aluminum Technical Sales at (800) 262-5151 in the U.S. and Canada, or International at (323) 268-4230, and ask for Ext. 5305. You can also send e-mail from the usalum.com home page.



NOTE: All Access Control Handles on this page function as health and safety tools, and may only be purchased through CRL Authorized Glass Temperers and Door Manufacturers.

Online usalum.com By Phone (800) 262-5151
 Online crlaurence.com By Phone (800) 421-6144

Entrance Door Options

- Specifically Designed for Balanced Doors
- UL, ULC, and ANSI/BHMA Certified
- For 1/2" or 3/4" (12 or 19) Tempered Glass
- Available in Polished and Brushed Stainless, Satin and Polished Brass, and Oil Rubbed Bronze
- Custom Finishes Available By Special Order
- Custom Sizes Ship Within One to Two Weeks

Our Balanced Door Panic Handles were created to meet the building code requirements for Balanced Doors, while maintaining an excellent appearance. The building code states that the push pad shall not extend more than one-half the width of the door measured from the latch side, and this creates an undesirable appearance.

Our BDA100 Series has a fixed handle portion that extends toward the hinge side of the door, with a clearly defined push pad handle portion at the latch side of the door. This wider handle has greatly improved aesthetics over a handle that only spans one-half of the door's width.

Yet another fine example of our commitment to meeting building code requirements, while at the same time delivering the beautiful hardware that our architectural customers demand.

Panic Handles for Balanced Doors

- Series BDA100



EXTERIOR HANDLE COMBINATIONS FOR BALANCED DOORS WITH CRL PANIC HANDLES

NOTE: Exterior Fixed Handles shown below can be used in combination with our BDA100 Series Panic Handle. For additional Exterior Fixed Handle options, see page 07-A3.



Handle A-BD



Handle D-BD



Handle B-BD

Contact U.S. Aluminum Technical Sales at (800) 262-5151 in the U.S. and Canada, or International at (323) 268-4230, and ask for Ext. 5305. You can also send e-mail from the usalum.com home page. **NOTE:** All Access Control Handles on this page function as health and safety tools, and may only be purchased through CRL Authorized Glass Temperers and Door Manufacturers.

Online usalum.com By Phone (800) 262-5151
 Online crlaurence.com By Phone (800) 421-6144

ENTRANCES

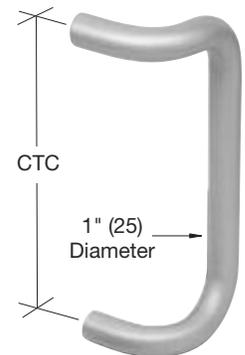
Accessories

Pull Handles and Push Bars

OFFSET PULL HANDLES (SINGLE SIDED)

- **1" (25) Diameter Solid Aluminum Available in Three Finishes**

1" (25.4) diameter Solid Offset Pull Handles have an overall projection height of 3-1/4" (83), and an offset clearance of 2-1/4" (57). They are supplied with 1/4"-20 thru-bolts and finish washers. All Offset Pulls are packed individually.



8" (203) CENTER TO CENTER PULL HANDLE

PART NO.	FINISH
M174810B	Oil Rubbed Bronze
M174828	Clear Anodized
M174832D	Brushed Stainless

Minimum order: 1 each.

10" (254) CENTER TO CENTER PULL HANDLE

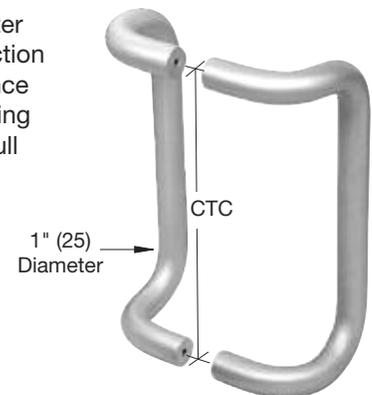
PART NO.	FINISH
M1741010B	Oil Rubbed Bronze
M1741028	Clear Anodized
M1741032D	Brushed Stainless

Minimum order: 1 each.

OFFSET PULL HANDLES (BACK-TO-BACK)

- **1" (25) Diameter Solid Aluminum Available in Three Finishes**

Extruded solid aluminum 1" (25) diameter Offset Pull Handles have an overall projection height of 3-1/4" (83) and an offset clearance of 2-1/4" (57). Handle sets include mounting hardware for back-to-back installation. Pull Handle sets are packed one each.



8" (203) CENTER TO CENTER PULL HANDLE

PART NO.	FINISH
M2174810B	Oil Rubbed Bronze
M2174828	Clear Anodized
M2174832D	Brushed Stainless

Minimum order: 1 each.

10" (254) CENTER TO CENTER PULL HANDLE

PART NO.	FINISH
M21741010B	Oil Rubbed Bronze
M21741028	Clear Anodized
M21741032D	Brushed Stainless

Minimum order: 1 each.

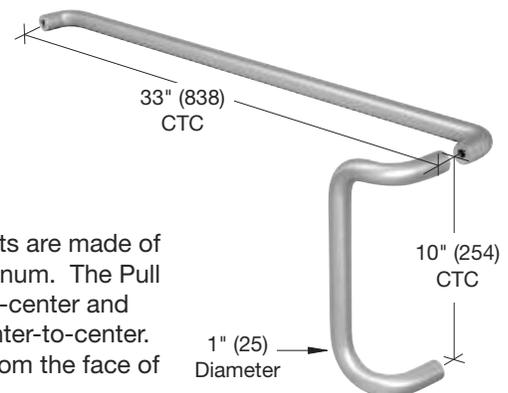
OFFSET PULL HANDLE AND PUSH BAR SET

- **1" (25) Diameter Solid Aluminum Available in Three Finishes**
- **Fits 36" (914 mm) Narrow Stile Doors**

PART NO.	FINISH
M10X3310B	Oil Rubbed Bronze
M10X3328	Clear Anodized
M10X3332D	Brushed Stainless

Minimum order: 1 each.

Solid Push Bar and Pull Handle Sets are made of 1" (25) diameter solid extruded aluminum. The Pull Handle measures 10" (254) center-to-center and the Push Bar measures 33" (838) center-to-center. The projection height is 2-1/4" (57) from the face of the door. Packed one set each.



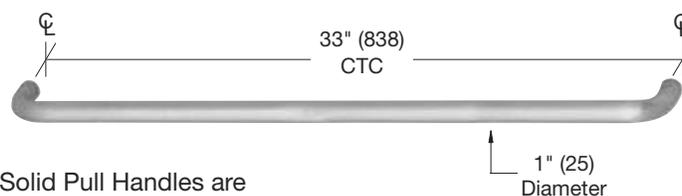
SOLID PUSH BARS

- **1" (25) Diameter Solid Aluminum Available in Three Finishes**

PART NO.	FINISH
M1653310B	Oil Rubbed Bronze
M1653328	Clear Anodized
M1653332D	Brushed Stainless

Minimum order: 1 each.

1" (25) diameter Solid Pull Handles are made for standard one side mounting. Pulls are supplied with 1/4"-20 thru-bolts and finish washers, and are packed individually.

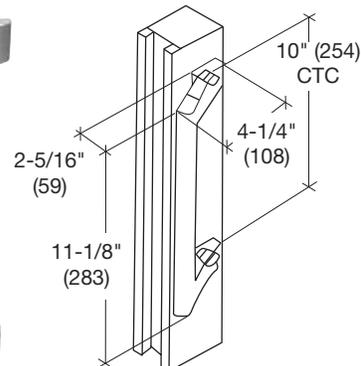


Accessories

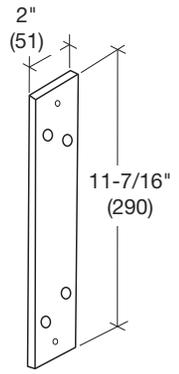
EXTRUDED ALUMINUM PULL HANDLES

- **Solid Aluminum Handle Mounts to Door With Concealed Fasteners**

The Extruded Aluminum Pull Handle comes with two studs that are tapped (1/4-20 thread) into the aluminum door frame on 10" (254) centers. Then the Handle is slipped over the studs and secured with Allen screws to provide a concealed fastener look. Available in choice of satin anodized and dark bronze finishes. One per package.



Pull Handle



Mounting Plate

DL915 EXTRUDED ALUMINUM PULL HANDLE

PART NO.	FINISH
DL915A	Satin Anodized
DL915DU	Dark Bronze

Minimum order: 1 each.

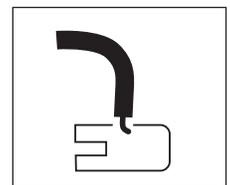
DL916 OPTIONAL MOUNTING PLATE

PART NO.	FINISH
DL916A	Satin Anodized
DL916DU	Dark Bronze

Minimum order: 1 each.

EXTRUDED ALUMINUM PUSH BARS

- **Available in Three Lengths and Two Finishes**



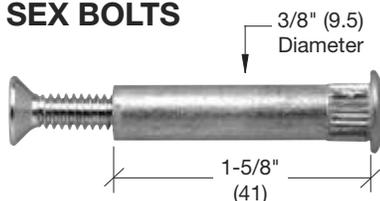
J-Hook Mount

Extruded Aluminum Push Bars come with a "J" Hook on one end. The opposite end needs to be drilled at time of installation to match application. Bar measures 1/2" x 1-1/4" (12.7 x 31.7). One per package.

PART NO.	FITS UP TO:	FINISH
DL9530A	36" (914) Doors	Satin Aluminum
DL9530DU	36" (914) Doors	Bronze Anodized
DL9535A	42" (1067) Doors	Satin Aluminum
DL9535DU	42" (1067) Doors	Bronze Anodized
DL9540A	48" (1219) Doors	Satin Aluminum
DL9540DU	48" (1219) Doors	Bronze Anodized

Minimum order: 1 each.

SEX BOLTS



Used for securing push bars, surface mounted door closers, and other fixtures to 1-3/4" (44.5) doors. Knurled barrel fits a 3/8" (9.5) diameter hole. Available in aluminum and bronze finishes. Four bolts per package.

- **1/4"-20 Thread Size**

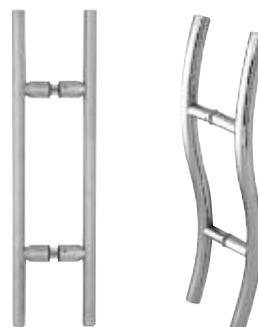
PART NO.	THREAD SIZE	FINISH
8025	1/4" - 20	Satin Aluminum
8025BRZ	1/4" - 20	Bronze Anodized

Minimum order: 1 pack. All Sex Bolts can be combined for quantity pricing.

LADDER PULL HANDLES

- **A Variety of Styles and Sizes in Brushed or Polished Stainless Steel**
- **Suitable for Narrow, Medium, and Wide Stile Doors, as Well as 'All-Glass' Entrance Doors**

Ladder Pull Handles are available in a variety of designs, sizes, and finishes to suit the requirements of metal framed and all-glass doors. Consult the crlaurence.com web site for specs and ordering details.



Straight and "S" Style Handles in Lengths of Up to 84" (2.13 m)



- **Also Available for Use in 'All-Glass' Entrance Doors is a Full Selection of Locking Ladder Pulls**

ENTRANCES

Accessories

Surface Mounted Door Closers

CRL Jackson Brand Non-Handed, Reversible Door Closers That Can Be Mounted Three Ways



DC50 SERIES ANSI GRADE 1 SURFACE MOUNTED DOOR CLOSERS

- Aluminum and Bronze Finishes
- ANSI A156.4 Grade 1
- Door Weights: 33-264 Lbs.
- 10 Year Limited Warranty



PART NO.	FINISH	SIZE	CLOSER DESCRIPTION
DC51A	Aluminum	1	Light Commercial/Residential
DC51BRZ	Dark Bronze	1	Light Commercial/Residential
DC52A	Aluminum	2	Light-Duty
DC52BRZ	Dark Bronze	2	Light-Duty
DC53A	Aluminum	3	Standard-Duty
DC53BRZ	Dark Bronze	3	Standard-Duty
DC54A	Aluminum	4	Standard-Duty
DC54BRZ	Dark Bronze	4	Standard-Duty
DC55A	Aluminum	5	Heavy-Duty Commercial
DC55BRZ	Dark Bronze	5	Heavy-Duty Commercial

Minimum order: 1 each.



PR80 SERIES ADJUSTABLE SPRING POWER SURFACE MOUNTED DOOR CLOSERS

- Aluminum and Bronze Finishes
- Adjustable Size From 1 to 5
- Door Weights: 33-264 Lbs.
- 10 Year Limited Warranty

PART NO.	FINISH	SIZE	CLOSER DESCRIPTION
PR80A	Aluminum	2-5	Adjustable
PR80DU	Dark Bronze	2-5	Adjustable
PR82BFA	Aluminum	1-4	Barrier-Free/Adjustable
PR82BFDU	Dark Bronze	1-4	Barrier-Free/Adjustable

Minimum order: 1 each.

Mounting accessories for all CRL Surface Mounted Door Closers are available for viewing or order through crlaurence.com.



PR70 SERIES ADJUSTABLE SPRING POWER SURFACE MOUNTED DOOR CLOSERS

- Available in Up to Four Finishes
- Adjustable Spring Sizes From 1/2 to 6
- Door Weights: 22-330 Lbs.
- 10 Year Limited Warranty



PART NO.	FINISH	SPRING SIZE	CLOSER DESCRIPTION
PR70BFA	Aluminum	1/2-4	Barrier-Free/Adjustable
PR70BFDU	Dark Bronze	1/2-4	Barrier-Free/Adjustable
PR70BFBG	Bright Gold	1/2-4	Barrier-Free/Adjustable
PR70BFCH	Bright Chrome	1/2-4	Barrier-Free/Adjustable
PR72DAA	Aluminum	1/2-4	Delayed Action/Adjustable
PR72DADU	Dark Bronze	1/2-4	Delayed Action/Adjustable
PR72DABG	Bright Gold	1/2-4	Delayed Action/Adjustable
PR72DACH	Bright Chrome	1/2-4	Delayed Action/Adjustable
PR74BCA	Aluminum	2-6	Adjustable
PR74BCDU	Dark Bronze	2-6	Adjustable
PR76DAA	Aluminum	2-6	Delayed Action/Adjustable
PR76DADU	Dark Bronze	2-6	Delayed Action/Adjustable

Minimum order: 1 each.

Each Closer is conveniently packaged with instructions and a mounting template.

NEED MORE INFO? Full details and specifications for all CRL Jackson brand Door Closers can be seen at crlaurence.com. Enter the Part Number into the Search Box to view complete details.

Online usalum.com By Phone (800) 262-5151
 Online crlaurence.com By Phone (800) 421-6144

Accessories

Surface Mounted Door Closers

CRL Jackson Brand Non-Handed, Reversible Door Closers That Can Be Mounted Three Ways



PR90 SERIES ANSI GRADE 1 ADJUSTABLE SPRING POWER SURFACE MOUNTED DOOR CLOSERS



- Aluminum and Bronze Finishes
- ANSI A156.4 - Grade 1
- Door Weights: 33-330 Lbs.
- 10 Year Limited Warranty

PART NO.	FINISH	SPRING SIZE	CLOSER DESCRIPTION
PR90A	Aluminum	1-6	Barrier-Free/Adjustable
PR90DU	Dark Bronze	1-6	Barrier-Free/Adjustable
PR92DAA	Aluminum	1-6	Delayed Action/Adjustable
PR92DADU	Dark Bronze	1-6	Delayed Action/Adjustable

Minimum order: 1 each.



PR40 SERIES ANSI GRADE 1 ADJUSTABLE SPRING POWER SURFACE MOUNTED DOOR CLOSERS

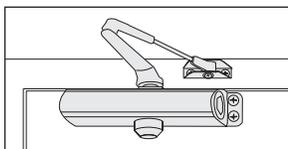


- Aluminum and Bronze Finishes
- Adjustable Size From 1 to 5
- Door Weights: 33-264 Lbs.
- 10 Year Limited Warranty

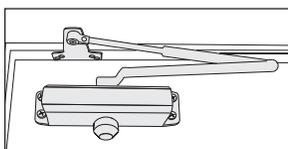
PART NO.	FINISH	SPRING SIZE	CLOSER DESCRIPTION
PR40A	Aluminum	1-4	Barrier-Free/Adjustable
PR40DU	Dark Bronze	1-4	Barrier-Free/Adjustable
PR42A	Aluminum	2-5	Adjustable
PR42DU	Dark Bronze	2-5	Adjustable
PR44DAA	Aluminum	2-5	Delayed Action/Adjustable
PR44DADU	Dark Bronze	2-5	Delayed Action/Adjustable

Minimum order: 1 each.

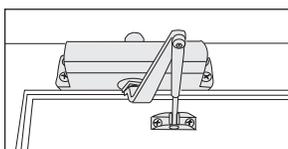
SURFACE MOUNTED CLOSER UNIVERSAL MOUNTING OPTIONS



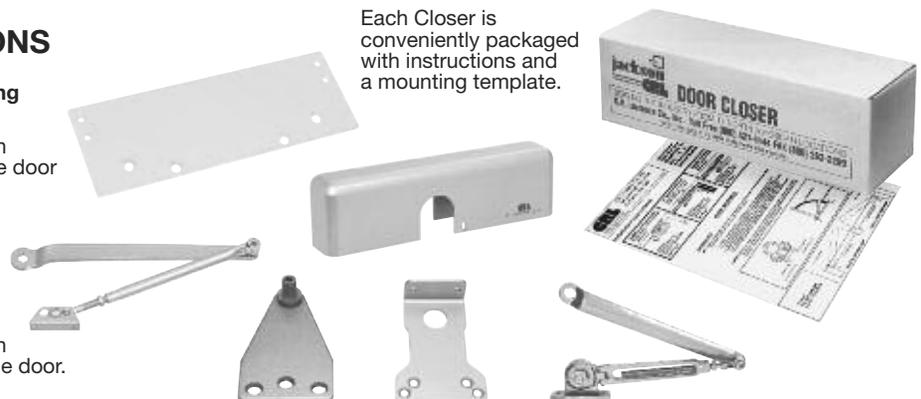
Regular Projecting Arm Installation
Closer installed on "PULL" side of the door



Parallel Arm Installation
Closer installed on "PUSH" side of the door.



Top Jamb Installation
Closer Installed above door on "PUSH" side.



Each Closer is conveniently packaged with instructions and a mounting template.

Mounting accessories for all CRL Jackson Surface Mounted Door Closers are available for viewing or order through crlaurence.com.

NEED MORE INFO? Full details and specifications for all CRL Jackson brand Door Closers can be seen at crlaurence.com. Enter the Part Number into the Search Box to view complete details.

Online usalum.com By Phone (800) 262-5151
 Online crlaurence.com By Phone (800) 421-6144

ENTRANCES

Accessories

CRL JACKSON ADJUSTABLE SPRING POWER OVERHEAD CONCEALED CENTER HUNG DOOR CLOSERS

- Adjustable Spring Power Size 1 (Barrier-Free) to 4 (Regular)
- Suitable for Doors From 30" to 48" (762 to 1219) Wide to Meet A.D.A. Opening Force Requirements
- Five Year Limited Warranty
- UL Listed

Overhead Door Closers



SIDE-LOAD "S" PIVOT PACKAGE

- Floor Mounted Pivot for 1-1/2" (38) Deep Bottom Rail
- 3/16" (5) Height Adjustment

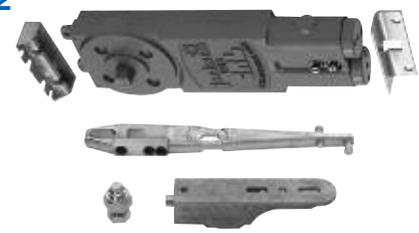


PART NO.	SPRING SIZE	TYPE
21101S17	Adjustable	105° No Hold Open
21101S18	Adjustable	105° Hold Open
21101S19	Adjustable	90° No Hold Open
21101S20	Adjustable	90° Hold Open

Minimum order: 1 each. All Door Closers can be combined for quantity pricing.

SIDE-LOAD "GE" PIVOT PACKAGE

- Threshold Mounted Pivot for 1-1/2" (38) Deep Bottom Rail
- 3/16" (5) Height Adjustment



PART NO.	SPRING SIZE	TYPE
21101GE17	Adjustable	105° No Hold Open
21101GE18	Adjustable	105° Hold Open
21101GE19	Adjustable	90° No Hold Open
21101GE20	Adjustable	90° Hold Open

Minimum order: 1 each. All Door Closers can be combined for quantity pricing.

CRL JACKSON OVERHEAD CONCEALED CENTER HUNG DOOR CLOSERS

- Suitable for Doors From 30" to 48" (762 to 1219) Wide
- Five Year Limited Warranty
- UL Listed



SIDE-LOAD "S" PIVOT PACKAGE

- Floor Mounted Pivot for 1-1/2" (38) Deep Bottom Rail
- 3/16" (5) Height Adjustment



PART NO.	SPRING SIZE	TYPE
21101S01	Regular	105° No Hold Open
21101S02	Regular	105° Hold Open
21101S03	Regular	90° No Hold Open
21101S04	Regular	90° Hold Open

Minimum order: 1 each. All Door Closers can be combined for quantity pricing.

SIDE-LOAD "GE" PIVOT PACKAGE

- Threshold Mounted Pivot for 1-1/2" (38) Deep Bottom Rail
- 3/16" (5) Height Adjustment



PART NO.	SPRING SIZE	TYPE
21101GE01	Regular	105° No Hold Open
21101GE02	Regular	105° Hold Open
21101GE03	Regular	90° No Hold Open
21101GE04	Regular	90° Hold Open

Minimum order: 1 each. All Door Closers can be combined for quantity pricing.

A.D.A. NOTE: Although the Adjustable Spring Power Door Closer can be adjusted to compensate for site conditions, adequate closing force might not be obtained while complying with A.D.A. opening force requirements.

NOTE: An auxiliary floor or overhead door stop is recommended to prevent possible damage to both the door closer and entryway due to over-extension of maximum allowable door swing.

Visit crlaurence.com for all available CRL Jackson door closer packages.

Online usalum.com By Phone (800) 262-5151
Online crlaurence.com By Phone (800) 421-6144

Accessories

CRL JACKSON OVERHEAD CONCEALED CENTER HUNG DOOR CLOSERS

- Suitable for Doors From 30" to 48" (762 to 1219) Wide
- Five Year Limited Warranty
- UL Listed

Overhead Door Closers



ADJUSTABLE SPRING POWER OFFSET ARM PACKAGE



- Adjustable Spring Power Size 1 (Barrier-Free) to Size 4 (Regular)
- Meets A.D.A. Opening Force Requirements
- Available in Two Arm Finishes



ALUMINUM PART NO.	DARK BRONZE PART NO.	SPRING SIZE	TYPE
21201U62817	21201U31317	Adjustable	105° No Hold Open
21201U62818	21201U31318	Adjustable	105° Hold Open
21201U62819	21201U31319	Adjustable	90° No Hold Open
21201U62820	21201U31320	Adjustable	90° Hold Open

Minimum order: 1 each. All Door Closers can be combined for quantity pricing.

REGULAR SPRING POWER OFFSET ARM PACKAGE

- Fixed Spring Size
- Available in Two Arm Finishes



ALUMINUM PART NO.	DARK BRONZE PART NO.	SPRING SIZE	TYPE
21201U62801	21201U31301	Regular	105° No Hold Open
21201U62802	21201U31302	Regular	105° Hold Open
21201U62803	21201U31303	Regular	90° No Hold Open
21201U62804	21201U31304	Regular	90° Hold Open

Minimum order: 1 each. All Door Closers can be combined for quantity pricing.

CRL JACKSON OVERHEAD CONCEALED DOOR CLOSER BODIES

- Closer Body Only in Fixed and Adjustable Spring Sizes
- Suitable for Doors From 30" to 48" (762 to 1219) Wide



ADJUSTABLE SPRING POWER OVERHEAD CONCEALED DOOR CLOSER BODY

- Adjustable Spring Power Size 1 (Barrier-Free) to Size 4 (Regular)
- Can Retrofit Existing Fixed Spring Closers
- Five Year Limited Warranty



Body Only – Mounting Clips are not included. For standard clips, specify Part No. 20219.

1/2" STANDARD SPINDLE PART NO.	SPRING SIZE	TYPE
20101M17	Adjustable	105° No Hold Open
20101M18	Adjustable	105° Hold Open
20101M19	Adjustable	90° No Hold Open
20101M20	Adjustable	90° Hold Open

Minimum order: 1 each. All Door Closers can be combined for quantity pricing.

STANDARD OVERHEAD CONCEALED DOOR CLOSER BODY

- Fixed Regular Spring Size
- Five Year Limited Warranty



Body Only – Mounting Clips are not included. For standard clips, specify Part No. 20219.

1/2" STANDARD SPINDLE PART NO.	SPRING SIZE	TYPE
20101M01	Regular	105° No Hold Open
20101M02	Regular	105° Hold Open
20101M03	Regular	90° No Hold Open
20101M04	Regular	90° Hold Open

Minimum order: 1 each. All Door Closers can be combined for quantity pricing.

A.D.A. NOTE: Although the Adjustable Spring Power Door Closer can be adjusted to compensate for site conditions, adequate closing force might not be obtained while complying with A.D.A. opening force requirements.

Visit crlaurence.com for all available CRL Jackson door closer packages and accessories.

Online usalum.com By Phone (800) 262-5151
 Online crlaurence.com By Phone (800) 421-6144

ENTRANCES

Accessories

Continuous Hinges



100 and 150 Series
Full Surface Hinges



200 and 250 Series
Full Surface Hinges

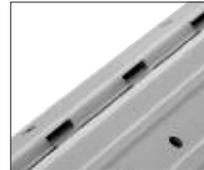


300 and 350 Series
Concealed Leaf Hinges



FEATURES AND BENEFITS

All Hinges are anodized after machining is done to provide longer life and reduce corrosion.



Standard Duty Hinges have 16 load bearing blocks for doors up to 200 pounds (90 kg). Heavy-Duty Hinges have 32 load bearing blocks for doors up to 600 pounds (272 kg) if attached with Riv-Nuts®.



Precision extruded components deliver smooth operation and long life.



Our hole pattern is designed to speed up installations, but still provide the required attachment points needed to carry the weight.

- **Continuous Hinges are Specified by Large Retail Stores and Schools Because of Their Long Service Life**
- **Three Models are Available in Standard or Heavy-Duty Models**
- **Two Finishes – Satin Anodized and Dark Bronze Anodized**

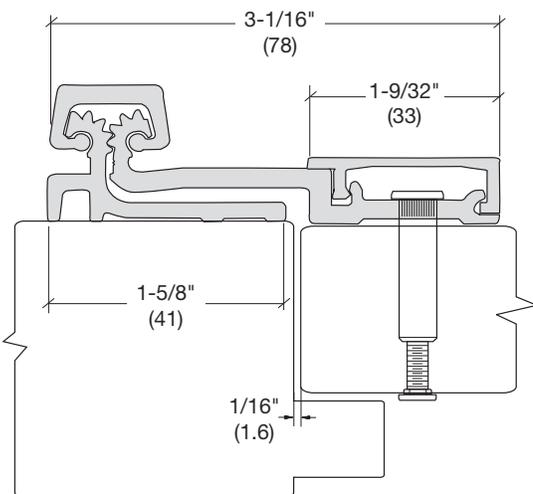
U.S. Aluminum Continuous Hinges are made of high strength aluminum with a full-length rolling gear profile to align doors perfectly from top to bottom. Special self-lubricating polyacetal load bearing blocks deliver smooth, almost floating operation on even the heaviest doors. Hinges are completely secure because all mounting hardware is hidden when installed. Easy-to-install Hinges come with instructions and all necessary hardware for mounting. Replacement Screw Packs are also available separately for on the job repairs.

100 AND 150 SERIES FULL SURFACE CONTINUOUS HINGES

- **Standard Duty Hinges for Doors Weighing Up to 200 Pounds (90 kg)**
- **Heavy-Duty Hinges for Doors Weighing Up to 600 Pounds (272 kg)**
- **Available in Satin Anodized and Dark Bronze Anodized Finishes**



These U.S. Aluminum Full Surface Continuous Hinges have load bearing blocks every 5-1/8" (130) on the Standard Duty Hinge, and every 2-9/16" (65) on the Heavy-Duty Hinge. They are available in satin anodized and dark bronze anodized finishes, and stocked in 83" (2.11 m) lengths. A pack of installation screws is included with each Hinge. Replacement Screw Packs are also available separately.



STANDARD DUTY FULL SURFACE CONTINUOUS HINGES

HINGE PART NO.	HINGE LENGTH	HINGE FINISH	REPLACEMENT SCREW PACK PART NO.
10083A	83" (2.11 m)	Satin Anodized	RSP100A
10083DU	83" (2.11 m)	Dark Bronze Anodized	RSP100DU

HEAVY-DUTY FULL SURFACE CONTINUOUS HINGES

HINGE PART NO.	HINGE LENGTH	HINGE FINISH	REPLACEMENT SCREW PACK PART NO.
15083A	83" (2.11 m)	Satin Anodized	RSP100A
15083DU	83" (2.11 m)	Dark Bronze Anodized	RSP100DU

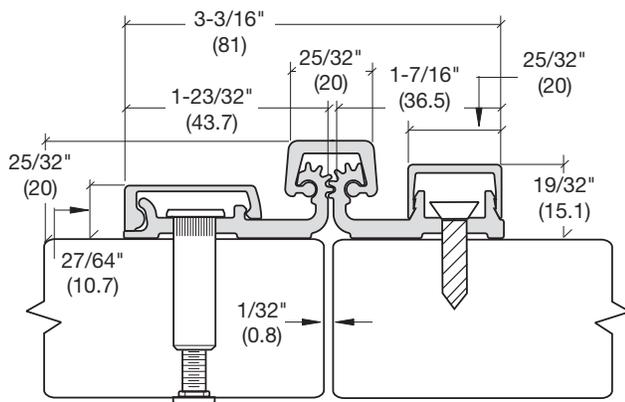
Minimum order: 1 each. All Continuous Hinges can be combined for quantity pricing.

Online usalum.com By Phone (800) 262-5151
 Online crlaurence.com By Phone (800) 421-6144

Accessories

200 AND 250 SERIES FULL SURFACE CONTINUOUS HINGES

- **Standard Duty Hinges for Doors Weighing Up to 200 Pounds (90 kg)**
- **Heavy-Duty Hinges for Doors Weighing Up to 600 Pounds (272 kg)**
- **Available in Satin Anodized and Dark Bronze Anodized Finishes**



These U.S. Aluminum Full Surface Continuous Hinges have load bearing blocks every 5-1/8" (130.2) on the Standard Duty Hinge, and every 2-9/16" (65.1) on the Heavy-Duty Hinge. They are available in satin anodized and dark bronze anodized finishes, and stocked in 83" (2.11 m) lengths. A pack of installation screws is included with each Hinge. Replacement Screw Packs are also available separately.

STANDARD DUTY FULL SURFACE CONTINUOUS HINGES

HINGE PART NO.	HINGE LENGTH	HINGE FINISH	REPLACEMENT SCREW PACK PART NO.
20083A	83" (2.11 m)	Satin Anodized	RSP200A
20083DU	83" (2.11 m)	Dark Bronze Anodized	RSP200DU

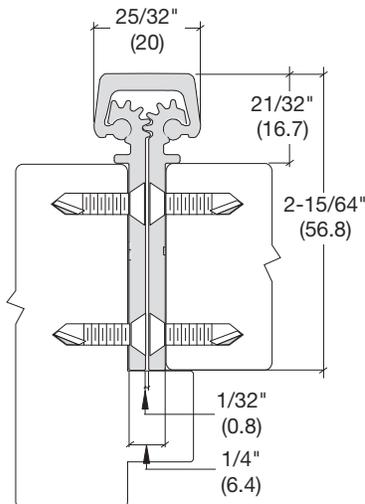
HEAVY-DUTY FULL SURFACE CONTINUOUS HINGES

HINGE PART NO.	HINGE LENGTH	HINGE FINISH	REPLACEMENT SCREW PACK PART NO.
25083A	83" (2.11 m)	Satin Anodized	RSP200A
25083DU	83" (2.11 m)	Dark Bronze Anodized	RSP200DU

Minimum order: 1 each. All Continuous Hinges can be combined for quantity pricing.

300 AND 350 SERIES CONCEALED LEAF CONTINUOUS HINGES

- **Standard Duty Hinges for Doors Weighing Up to 200 Pounds (90 kg)**
- **Heavy-Duty Hinges for Doors Weighing Up to 600 Pounds (272 kg)**
- **Available in Satin Anodized and Dark Bronze Anodized Finishes**



These U.S. Aluminum Concealed Leaf Continuous Hinges have load bearing blocks every 5-1/8" (130.2) on the Standard Duty Hinge, and every 2-9/16" (65.1) on the Heavy-Duty Hinge. They are available in satin anodized and dark bronze anodized finishes, and stocked in 83" (2.11 m) lengths. A pack of installation screws is included with each Hinge. Replacement Screw Packs are also available separately.

STANDARD DUTY CONCEALED LEAF CONTINUOUS HINGES

HINGE PART NO.	HINGE LENGTH	HINGE FINISH	REPLACEMENT SCREW PACK PART NO.
30083A	83" (2.11 m)	Satin Anodized	RSP300A
30083DU	83" (2.11 m)	Dark Bronze Anodized	RSP300DU

HEAVY-DUTY CONCEALED LEAF CONTINUOUS HINGES

HINGE PART NO.	HINGE LENGTH	HINGE FINISH	REPLACEMENT SCREW PACK PART NO.
35083A	83" (2.11 m)	Satin Anodized	RSP300A
35083DU	83" (2.11 m)	Dark Bronze Anodized	RSP300DU

Minimum order: 1 each. All Continuous Hinges can be combined for quantity pricing.

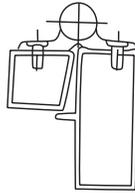
ENTRANCES

Accessories

UNIVERSAL HINGE REPLACEMENT KIT FOR STOREFRONT DOORS

- **Universal Fit for Both Flush and 1/8" (3) Recessed Doors**
- **Use for Doors Weighing Up to 300 Pounds (136 kg)**
- **Instant Adjustments to Fine Tolerances**
- **Smooth Bearing Action**
- **Self-Lubricating Pin**

This Universal Hinge Replacement Kit is machined to the close tolerances required for heavy, continuously used commercial doors. The universal fit allows replacement of all storefront hinges without modification on both flush and 1/8" (3) recessed doors. The secure, non-exposed hinge pins cannot be reached, removed or tampered with. The door weight is supported by a case hardened, self-lubricating pin and machine quality anti-friction roller with thrust bearings sealed in oil.



Each Hinge Kit Contains:

Two Hinges; Two 1/8" (3) Thick Shim Plates; Four Screw Cover Plates; 12 One-Way Mounting Screws; One Hex Wrench; Complete Instructions

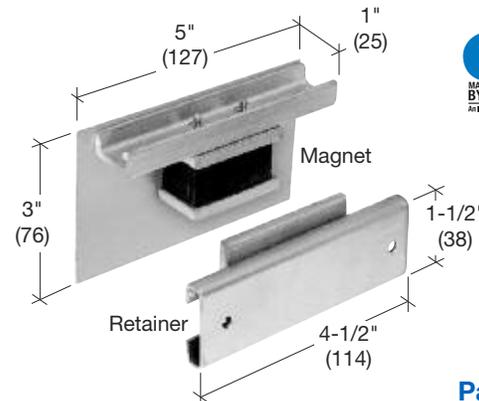
PART NO.	FINISH
DL1099A	Satin Anodized
DL1099DU	Bronze Anodized

Minimum order: 1 pair.

HEAVY-DUTY MAGNETIC DOOR RETAINER (SURFACE MOUNT TYPE)

- **Up to 50 Pounds (22.7 kg) of Adjustable Holding Strength**
- **Keeps Doors From Blowing Open**
- **Non-Handed**

This Heavy-Duty Magnetic Door Retainer keeps doors closed even during heavy winds. Non-handed retainer provides up to 50 pounds (22.7 kg) of adjustable pull strength once installed. Helps control energy loss, and is easily installed in just minutes. Minimum order is one each.

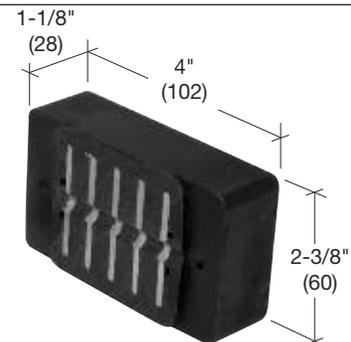


Part No. M50

MAGNETIC DOOR RETAINER (MORTISE TYPE)

- **Keeps Doors From Blowing Open**
- **Mortised Into Jamb Head**

This Magnetic Door Retainer has a molded plastic base that holds a magnet, and is mortised into the jamb head. A steel roller is then attached to the top center of the top rail. **NOTE:** Requires a jamb head deep enough to hold the 1-1/8" (28) thick base. Minimum order is one each.



Part No. 115445

E-Z TONE DOOR CHIME

- **No Electricity or Batteries Needed**

The E-Z Tone can be easily installed on all types of doors and jambs. When the door is opened, a magnetic striker hits the chime bar and produces a pleasant, audible tone.

PART NO.	FINISH
TDK13GRY	Light Gray
TDK13BRZ	Bronze

Minimum order: 1 each.



Online usalum.com By Phone (800) 262-5151
 Online crlaurence.com By Phone (800) 421-6144

Accessories

Door Pivots

3/4" OFFSET PIVOT SETS

- Suitable for Aluminum Frames and Doors Weighing Up to 125 Pounds (57 kg)
- 1/8" (3.2) Vertical Adjustment
- Die Cast Aluminum

0P34 SERIES

- Handed - Not Reversible

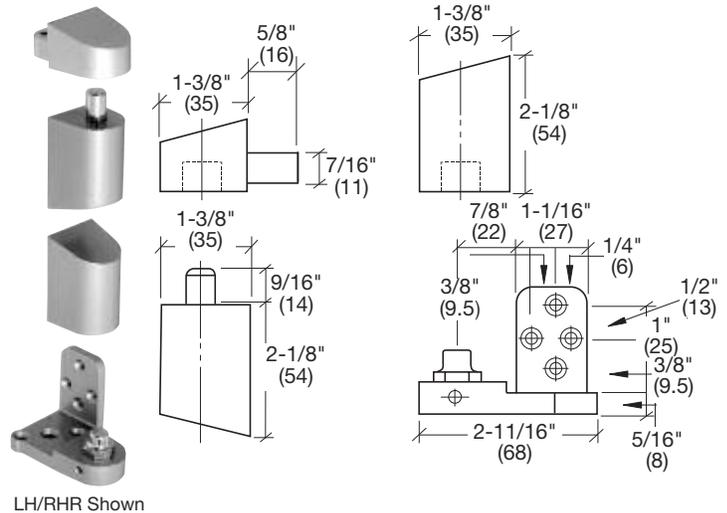
Left or right hand Pivot Sets are available in satin aluminum and dark bronze finishes. One set per box.

PART NO.	HANDING	APPLICATION	FINISH
0P34LHA	Left Hand	Flush with Frame Face	Aluminum
0P34LHDU	Left Hand	Flush with Frame Face	Dark Bronze
0P34RHA	Right Hand	Flush with Frame Face	Aluminum
0P34RH DU	Right Hand	Flush with Frame Face	Dark Bronze

Minimum order: 1 set.

• Oilite Bronze Bushing in Top Frame Portion

Our Offset Pivot Sets for commercial doors feature quality machined and die cast components. Everything you need comes in one box, including the door fasteners and anchors.



OFFSET TOP PIVOTS

- Full Mortise Pivots Are Non-Handed

3/4" (19) OFFSET TOP PIVOTS

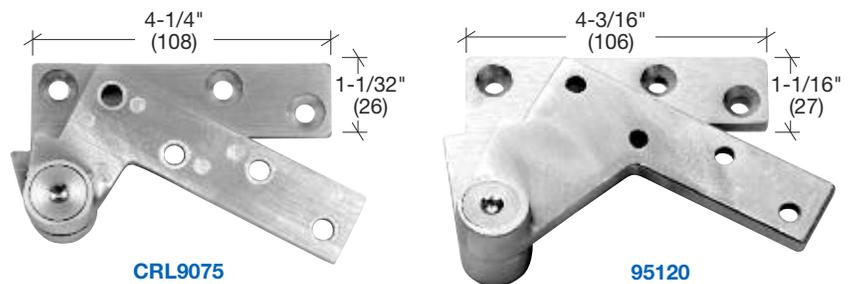
PART NO.	FINISH
CRL9075BS	Brushed Stainless
CRL9075PB	Polished Brass
CRL9075PS	Polished Stainless
CRL9075DU	Dark Bronze

Minimum order: 1 each.

1-1/2" (38) OFFSET TOP PIVOTS

PART NO.	FINISH
95120BS	Brushed Stainless
95120DU	Dark Bronze

Minimum order: 1 each.



Offset Top Pivots are full mortise and non-handed for use with aluminum, wood, and hollow metal doors.

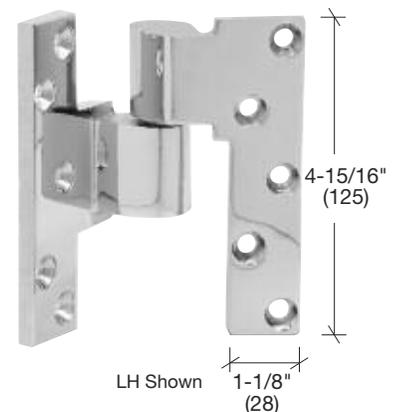
3/4" INTERMEDIATE OFFSET ALUMINUM PIVOT SETS

- Handed Left or Right for New or Retrofit Use
- Available in Four Finishes

LEFT HAND (RHR) PART NO.	FINISH	RIGHT HAND (LHR) PART NO.
CRL19LHSC	Satin Chrome	CRL19RHSC
CRL19LHPC	Polished Chrome	CRL19RHPC
CRL19LHPB	Polished Brass	CRL19RHBP
CRL19LHDU	Dark Bronze	CRL19RH DU

Minimum order: 1 each.

These 3/4" (19) Intermediate Offset Pivots are for new or retrofit use with standard 1-3/4" (45) storefront aluminum doors to maintain door alignment. These are handed, full-mortise type Pivots, and feature a full race ball bearing and oilite bronze bushing for a long maintenance-free life. They are not intended to be load-bearing pivots. Pivots allow for a 5/8" (16) vertical adjustment, and feature a fully retractable pin for easy installation.

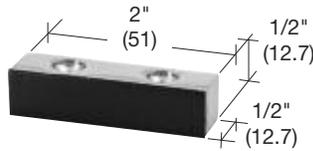


ENTRANCES

Accessories

HEADER MOUNTED SINGLE DOOR STOP

This Header Mounted Single Door Stop provides a positive stop when converting a double acting door into a single acting one-way door. Easy to install and available in four popular finishes (screws not included). One per package.

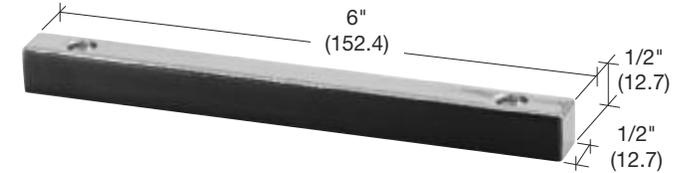


PART NO.	FINISH
1NT307A	Aluminum
1NT307BR	Polished Brass
1NT307BS	Brushed Stainless
1NT307PS	Polished Stainless

Minimum order: 1 each.

Door Stops and Holders

HEADER MOUNTED DOUBLE DOOR STOP



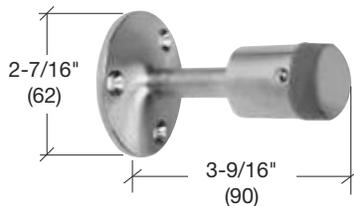
This Header Mounted Double Door Stop provides a positive stop when converting a double acting door into a single acting one-way door. Easy to install and available in four popular finishes (screws not included). One per package.

PART NO.	FINISH
1NT308A	Aluminum
1NT308BR	Polished Brass
1NT308BS	Brushed Stainless
1NT308PS	Polished Stainless

Minimum order: 1 each.

WALL MOUNTED HEAVY-DUTY DOOR STOP

This Wall Mounted Door Stop has a heavy brass die cast body with rubber bumper. Screws and anchors are included. One per package.

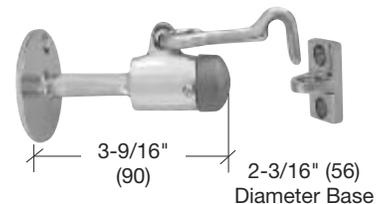


PART NO.	FINISH
DL2532A	Satin Chrome
DL2532PB	Polished Brass

Minimum order: 1 each.

WALL MOUNTED HEAVY-DUTY DOOR HOLDER

This Wall Mounted Door Holder has a hook latch to keep the door in the open position. The body is made from cast brass. Screws and anchors are included. One per package.



PART NO.	FINISH
DL2531A	Satin Chrome
DL2531PB	Polished Brass

Minimum order: 1 each.

FLOOR MOUNTED HEAVY-DUTY DOOR STOP

Heavy brass die cast body with rubber bumper. Floor Mounted Stop has a center floor post which seats into a bored hole in the floor, preventing shifting of the base. Screws and anchors are included. One per package.



PART NO.	FINISH
DL2522A	Satin Chrome
DL2522PB	Polished Brass

Minimum order: 1 each.

FLOOR MOUNTED HEAVY-DUTY DOOR HOLDER

The Floor Mounted Door Holder has a center floor post that seats into a bored hole in the floor, preventing shifting of the base. Screws and anchors are included. One per package.



PART NO.	FINISH
DL2521A	Satin Chrome
DL2521PB	Polished Brass

Minimum order: 1 each.

LOW PROFILE BASE DOME DOOR STOP

Heavy cast 1-3/4" (44.4) diameter Door Stop with a vinyl insert. The low profile base has a post that seats into a hole bored into the floor, preventing base from shifting. One per package.

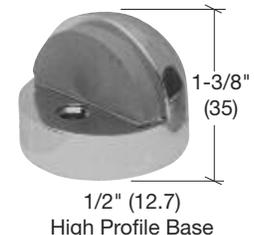


PART NO.	FINISH
DL2501A	Satin Chrome
DL2501DU	Dark Bronze
DL2501PB	Polished Brass

Minimum order: 1 each.

HIGH PROFILE BASE DOME DOOR STOP

Heavy cast 1-3/4" (44.4) diameter Door Stop with a vinyl insert. The high profile base has a post that seats into a hole bored into the floor, preventing base from shifting. One per package.



PART NO.	FINISH
DL2502A	Satin Chrome
DL2502DU	Dark Bronze
DL2502PB	Polished Brass

Minimum order: 1 each.

Online usalum.com By Phone (800) 262-5151
 Online crlaurence.com By Phone (800) 421-6144

Accessories

Door Holders, Bumpers, and A.D.A. Adaptor

DOOR MOUNTED 4" HEAVY-DUTY DOOR HOLDER

- **Cast Iron Construction**

This Heavy-Duty Door Holder is a 4" (101.6) kick-down style holder with rubber tip. It is intended to hold the door open at any degree of opening. One per package or bulk packs of 10.



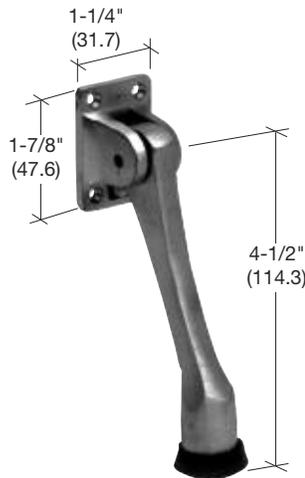
PART NO.	FINISH	QTY/PACK
J4551	Aluminum	1
J4551B	Aluminum	10
J4552	Bronze	1
J4552B	Bronze	10

Minimum order: 1 pack.

DOOR MOUNTED 4-1/2" HEAVY-DUTY DOOR HOLDER

- **Meets ANSI Standards**

This Heavy-Duty Door Stop is a 4-1/2" (114) kick-down style holder with rubber tip. Designed to hold door open at any degree of opening. One per package.



PART NO.	FINISH
J4571	Brushed Chrome
J4572	Polished Brass
J4671	Polished Chrome

Minimum order: 1 pack.

DOOR MOUNTED STEP-ON DOOR HOLDER

- **Step-On Application and Release**
- **Spring Loaded Plunger**

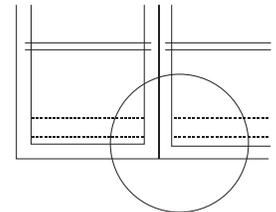
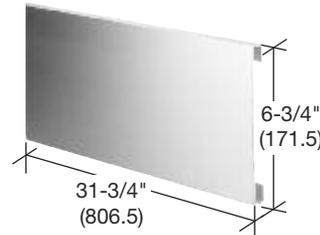
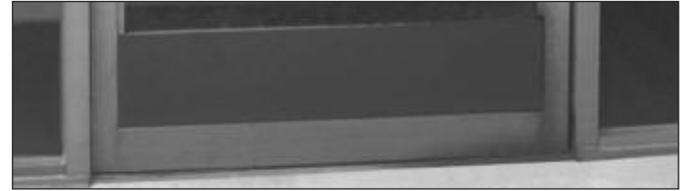
This Door Mounted Step-On Door Holder is a plunger type heavy-duty die cast stop. Easy on and off step-on application with heavy-duty rubber foot. One per package.



PART NO.	FINISH
J4594	Brass
J4595	Aluminum

Minimum order: 1 pack.

A.D.A. DOOR RAIL ADAPTOR



Allows existing doors to meet California Title 24 Handicap Code requirements of a 10" (254) bottom rail. Easily mounts between door stiles with double face tape. 6-3/4" (171) wide x 31-3/4" (806) long to fit 36" (914) doors. Other sizes available on request. One per package.

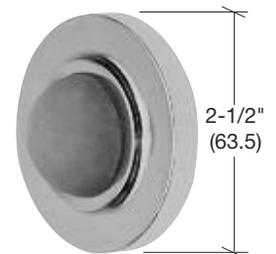


PART NO.	FINISH
10AD	Aluminum
10BRZ	Bronze

Minimum order: 1 each.

CONVEX TYPE WALL MOUNT DOOR BUMPER

Heavy cast housing with a vinyl insert. 2-1/2" (63.5) diameter base plate mounts to wall, and housing mounts over plate to conceal mounting screws. Projects 1" (25) from surface of wall. One per package.

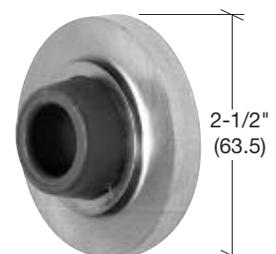


PART NO.	FINISH
DL2511A	Satin Chrome
DL2511DU	Dark Bronze
DL2511PB	Polished Brass

Minimum order: 1 each.

CONCAVE TYPE WALL MOUNT DOOR BUMPER

Heavy cast housing with a vinyl insert. 2-1/2" (63.5) diameter base plate mounts to wall, and housing mounts over plate to conceal mounting screws. Projects 1" (25) from surface of wall. One per package.



PART NO.	FINISH
DL2512A	Satin Chrome
DL2512DU	Dark Bronze
DL2512PB	Polished Brass

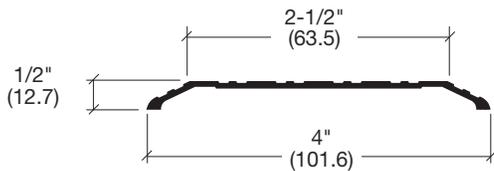
Minimum order: 1 each.

ENTRANCES

Accessories

- Aluminum and Bronze Finishes in Three Lengths
- A Variety of Available Widths and Heights
- Furnished With Screws for Installation

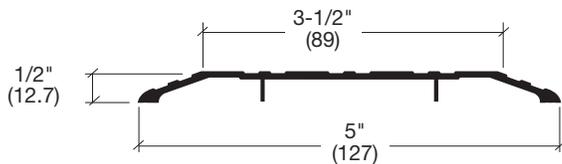
MODEL TH014A AND TH014D 4" COMMERCIAL SADDLE THRESHOLD



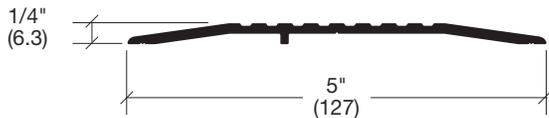
MODEL 38A AND 38D 4" COMMERCIAL SADDLE THRESHOLD



MODEL TH015A AND TH015D 5" COMMERCIAL SADDLE THRESHOLD



MODEL 48A AND 48D 5" COMMERCIAL SADDLE THRESHOLD



These C.R. Laurence brand Aluminum Thresholds for commercial doors are fabricated from extruded aluminum in both satin anodized and duranodic bronze finishes. All are furnished with screws for installation. All of the above models come in pre-cut lengths for single or double doors, and also in full stock lengths that you can cut to the exact size you require. Single and double door sizes can be shipped economically via small package carriers, while the full stock lengths must ship via common carrier. All Thresholds can be made available for pick up at any U.S. Aluminum or C.R. Laurence Service Center.

Aluminum Thresholds



• COMMONLY USED WITH 4" WIDE STOREFRONT TUBING

ALUMINUM PART NO.	BRONZE PART NO.	LENGTH
TH014A36	TH014D36	36-1/2" (927)
TH014A72	TH014D72	73" (1854)
TH014A185	TH014D185	185" (4.7 m)*

Minimum order: 1 each. All Thresholds can be combined for quantity pricing.
*Must ship common carrier.

• COMMONLY USED WITH 4" WIDE STOREFRONT TUBING

ALUMINUM PART NO.	BRONZE PART NO.	LENGTH
38A36	38D36	36-1/2" (927)
38A72	38D72	73" (1854)
38A185	38D185	185" (4.7 m)*

Minimum order: 1 each. All Thresholds can be combined for quantity pricing.
*Must ship common carrier.

• GENERALLY USED WITH 4-1/2" WIDE STOREFRONT TUBING

ALUMINUM PART NO.	BRONZE PART NO.	LENGTH
TH015A36	TH015D36	36-1/2" (927)
TH015A72	TH015D72	73" (1854)
TH015A185	TH015D185	185" (4.7 m)*

Minimum order: 1 each. All Thresholds can be combined for quantity pricing.
*Must ship common carrier.

• 1/2" MAXIMUM HEIGHT MEETS A.D.A. REQUIREMENTS

ALUMINUM PART NO.	BRONZE PART NO.	LENGTH
48A36	48D36	36-1/2" (927)
48A72	48D72	73" (1854)
48A185	48D185	185" (4.7 m)*

Minimum order: 1 each. All Thresholds can be combined for quantity pricing.
*Must ship common carrier.

NEED MORE INFO? Full details and specifications for all C.R. Laurence brand Thresholds can be seen at crlaurence.com. Enter the Part Number into the Search Box to view complete details.

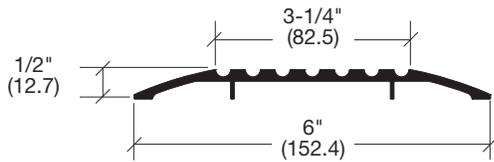
Accessories

- Aluminum and Bronze Finishes in Three Lengths
- A Variety of Available Widths and Heights
- Furnished With Screws for Installation

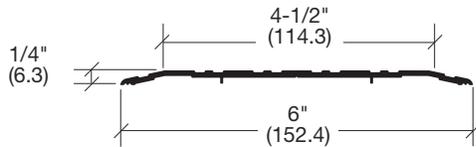
Aluminum Thresholds



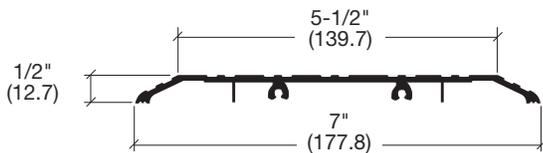
MODEL 42A AND 42D 6" COMMERCIAL SADDLE THRESHOLD



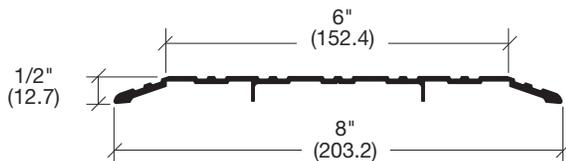
MODEL 49A AND 49D 6" COMMERCIAL SADDLE THRESHOLD



MODEL TH017A AND TH017D 7" COMMERCIAL SADDLE THRESHOLD



MODEL 491A AND 491D 8" COMMERCIAL SADDLE THRESHOLD



These Aluminum Thresholds for commercial doors are fabricated from extruded aluminum in both satin anodized and duranodic bronze finishes. All are furnished with screws for installation. All of the above models come in pre-cut lengths for single or double doors, and also in full stock lengths that you can cut to the exact size you require. Single and double door sizes can be shipped economically via small package carriers, while the full stock lengths must ship via common carrier. All Thresholds can be made available for pick up at any U.S. Aluminum or C.R. Laurence Service Center.

• AVAILABLE IN THREE LENGTHS AND TWO FINISHES

ALUMINUM PART NO.	BRONZE PART NO.	LENGTH
42A36	42D36	36-1/2" (927)
42A72	42D72	73" (1854)
42A185	42D185	185" (4.7 m)*

Minimum order: 1 each. All Thresholds can be combined for quantity pricing.
*Must ship common carrier.

• AVAILABLE IN THREE LENGTHS AND TWO FINISHES

ALUMINUM PART NO.	BRONZE PART NO.	LENGTH
49A36	49D36	36-1/2" (927)
49A72	49D72	73" (1854)
49A185	49D185	185" (4.7 m)*

Minimum order: 1 each. All Thresholds can be combined for quantity pricing.
*Must ship common carrier.

• TYPICALLY USED IN APPLICATIONS USING HEAVY-DUTY FLOOR CLOSERS

ALUMINUM PART NO.	BRONZE PART NO.	LENGTH
TH017A36	TH017D36	36-1/2" (927)
TH017A72	TH017D72	73" (1854)
TH017A185	TH017D185	185" (4.7 m)*

Minimum order: 1 each. All Thresholds can be combined for quantity pricing.
*Must ship common carrier.

• AVAILABLE IN THREE LENGTHS AND TWO FINISHES

ALUMINUM PART NO.	BRONZE PART NO.	LENGTH
491A36	491D36	36-1/2" (927)
491A72	491D72	73" (1854)
491A185	491D185	185" (4.7 m)*

Minimum order: 1 each. All Thresholds can be combined for quantity pricing.
*Must ship common carrier.

NEED MORE INFO? Full details and specifications for all C.R. Laurence brand Thresholds can be seen at crlaurence.com. Enter the Part Number into the Search Box to view complete details.

ENTRANCES

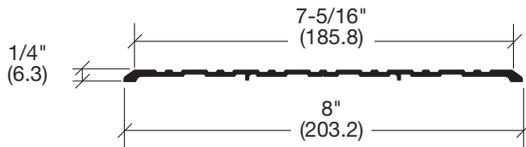
Accessories

Aluminum and Stainless Thresholds

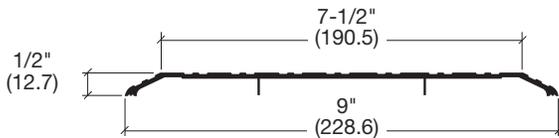
- Aluminum and Bronze Finishes in Three Lengths
- A Variety of Available Widths and Heights
- Furnished With Screws for Installation



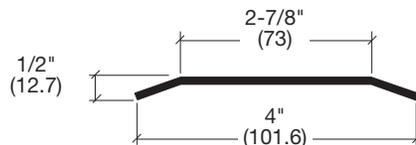
MODEL 492A AND 492D 8" COMMERCIAL SADDLE THRESHOLD



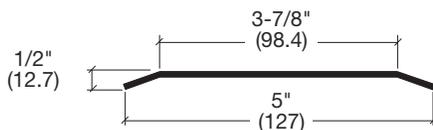
MODEL TH019A AND TH019D 9" COMMERCIAL SADDLE THRESHOLD



MODEL TH074 4" STAINLESS STEEL SADDLE THRESHOLD



MODEL TH075 5" STAINLESS STEEL SADDLE THRESHOLD



These Aluminum Thresholds for commercial doors are fabricated from extruded aluminum in both satin anodized and duranodic bronze finishes. Two models are fabricated from stainless steel. All are furnished with screws for installation. Models come in pre-cut lengths for single or double doors, some also in full stock lengths that you can cut to the exact size you require. Single and double door sizes can be shipped economically via small package carriers, while the full stock lengths must ship via common carrier. All Thresholds can be made available for pick up at any U.S. Aluminum or C.R. Laurence Service Center.

• AVAILABLE IN THREE LENGTHS AND TWO FINISHES

ALUMINUM PART NO.	BRONZE PART NO.	LENGTH
492A36	492D36	36-1/2" (927)
492A72	492D72	73" (1854)
492A185	492D185	185" (4.7 m)*

Minimum order: 1 each. All Thresholds can be combined for quantity pricing. *Must ship common carrier.

• BEST THRESHOLD IN APPLICATIONS WHERE PA110 SERIES PANICS OR BOTTOM ENGAGING DEADBOLT HANDLES ARE USED

ALUMINUM PART NO.	BRONZE PART NO.	LENGTH
TH019A36	TH019D36	36-1/2" (927)
TH019A72	TH019D72	73" (1854)
TH019A185	TH019D185	185" (4.7 m)*

Minimum order: 1 each. All Thresholds can be combined for quantity pricing. *Must ship common carrier.

• STAINLESS STEEL FOR CORROSIVE ENVIRONMENTS

ALUMINUM PART NO.	LENGTH
TH074SS36	36-1/2" (927)

Minimum order: 1 each. All Thresholds can be combined for quantity pricing.

• STAINLESS STEEL FOR CORROSIVE ENVIRONMENTS

ALUMINUM PART NO.	LENGTH
TH075SS36	36-1/2" (927)

Minimum order: 1 each. All Thresholds can be combined for quantity pricing.

NEED MORE INFO? Full details and specifications for all C.R. Laurence brand Thresholds can be seen at crlaurence.com. Enter the Part Number into the Search Box to view complete details.

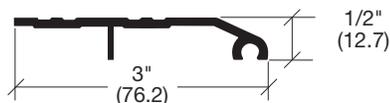
Accessories

- Aluminum and Bronze Finishes in Three Lengths
- A Variety of Available Widths and Heights
- Furnished With Screws for Installation

Aluminum Thresholds



MODEL 39A 3" HALF SADDLE THRESHOLD

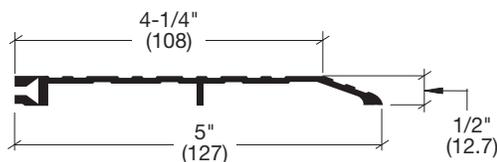


- TYPICALLY USED TO MEET WITH IRREGULAR FLOOR SURFACE

ALUMINUM PART NO.	LENGTH
39A36	36-1/2" (927)

Minimum order: 1 each. All Thresholds can be combined for quantity pricing.

MODEL 255A AND 255D 5" OFFSET SADDLE THRESHOLD



- FIRE RATED, SMOKE TESTED, UL LISTED
- BARRIER FREE

ALUMINUM PART NO.	BRONZE PART NO.	LENGTH
255A36	255D36	36-1/2" (927)
255A72	255D72	73" (1854)
255A185	255D185	185" (4.7 m)*

Minimum order: 1 each. All Thresholds can be combined for quantity pricing. *Must ship common carrier.

MODEL 46VA 5" PANIC TYPE THRESHOLD

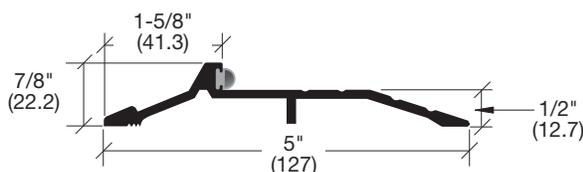


- COMMONLY USED WITH 5" WIDE STOREFRONT TUBING
- BULB SEAL INCLUDED

ALUMINUM PART NO.	LENGTH
46VA36	36-1/2" (927)
46VA72	73" (1854)
46VA185	185" (4.7 m)*

Minimum order: 1 each. All Thresholds can be combined for quantity pricing. *Must ship common carrier.

MODEL 47VA 5" PANIC TYPE THRESHOLD



- COMMONLY USED WITH SURFACE APPLIED VERTICAL ROD EXIT DEVICE
- BULB SEAL INCLUDED

ALUMINUM PART NO.	LENGTH
47VA36	36-1/2" (927)
47VA72	73" (1854)
47VA185	185" (4.7 m)*

Minimum order: 1 each. All Thresholds can be combined for quantity pricing. *Must ship common carrier.

These Aluminum Thresholds for commercial doors are fabricated from extruded aluminum in both satin anodized and duranodic bronze finishes. All are furnished with screws for installation. Models come in pre-cut lengths for single or double doors, some also in full stock lengths that you can cut to the exact size you require. Single and double door sizes can be shipped economically via small package carriers, while the full stock lengths must ship via common carrier. All Thresholds can be made available for pick up at any U.S. Aluminum or C.R. Laurence Service Center.

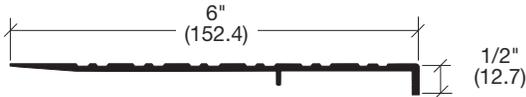
NEED MORE INFO? Full details and specifications for all C.R. Laurence brand Thresholds can be seen at crlaurence.com. Enter the Part Number into the Search Box to view complete details.

ENTRANCES

Accessories

- Aluminum Finish in Three Lengths
- Furnished With Screws for Installation

MODEL 88A 6" RAMP THRESHOLD



These Aluminum Thresholds for commercial doors are fabricated from extruded aluminum in a satin anodized finish. Furnished with screws for installation. Above model comes in pre-cut lengths for single or double doors, and also in full stock lengths that you can cut to the exact size you require. Single and double door sizes can be shipped economically via small package carriers, while the full stock lengths must ship via common carrier. All Thresholds can be made available for pick up at any U.S. Aluminum or C.R. Laurence Service Center.

Aluminum Thresholds



- TYPICALLY USED TO MEET WITH IRREGULAR FLOOR SURFACE

ALUMINUM PART NO.	LENGTH
88A36	36-1/2" (927)
88A72	73" (1854)
88A185	185" (4.7 m)*

Minimum order: 1 each. All Thresholds can be combined for quantity pricing. *Must ship common carrier.

CUSTOM COMMERCIAL SADDLE THRESHOLDS AND FLOOR CLOSER COVER PLATES

U.S. Aluminum custom fabricates Saddle Thresholds and Floor Closer Cover Plates. For information contact our Technical Sales Department at (800) 262-5151.



PVC BARRIER STRIP

PVC Barrier Strip protects the aluminum threshold from moisture absorbed through the stucco finish of the exterior wall. 96" (2.4 m) Barrier Strip measures 4-3/8" (111.1) wide, and must cover area in contact with stucco wall to provide protection to the aluminum.

PART NO.	LENGTH	FINISH
THBS8	8' (2.4 m)	Black

Minimum order: 1 each.



THRESHOLD INSTALLATION TOOLS AND SUPPLIES

U.S. Aluminum offers a complete selection of tools and supplies for the installation of our Aluminum and Stainless Steel Thresholds.



Online usalum.com By Phone (800) 262-5151
 Online crlaurence.com By Phone (800) 421-6144