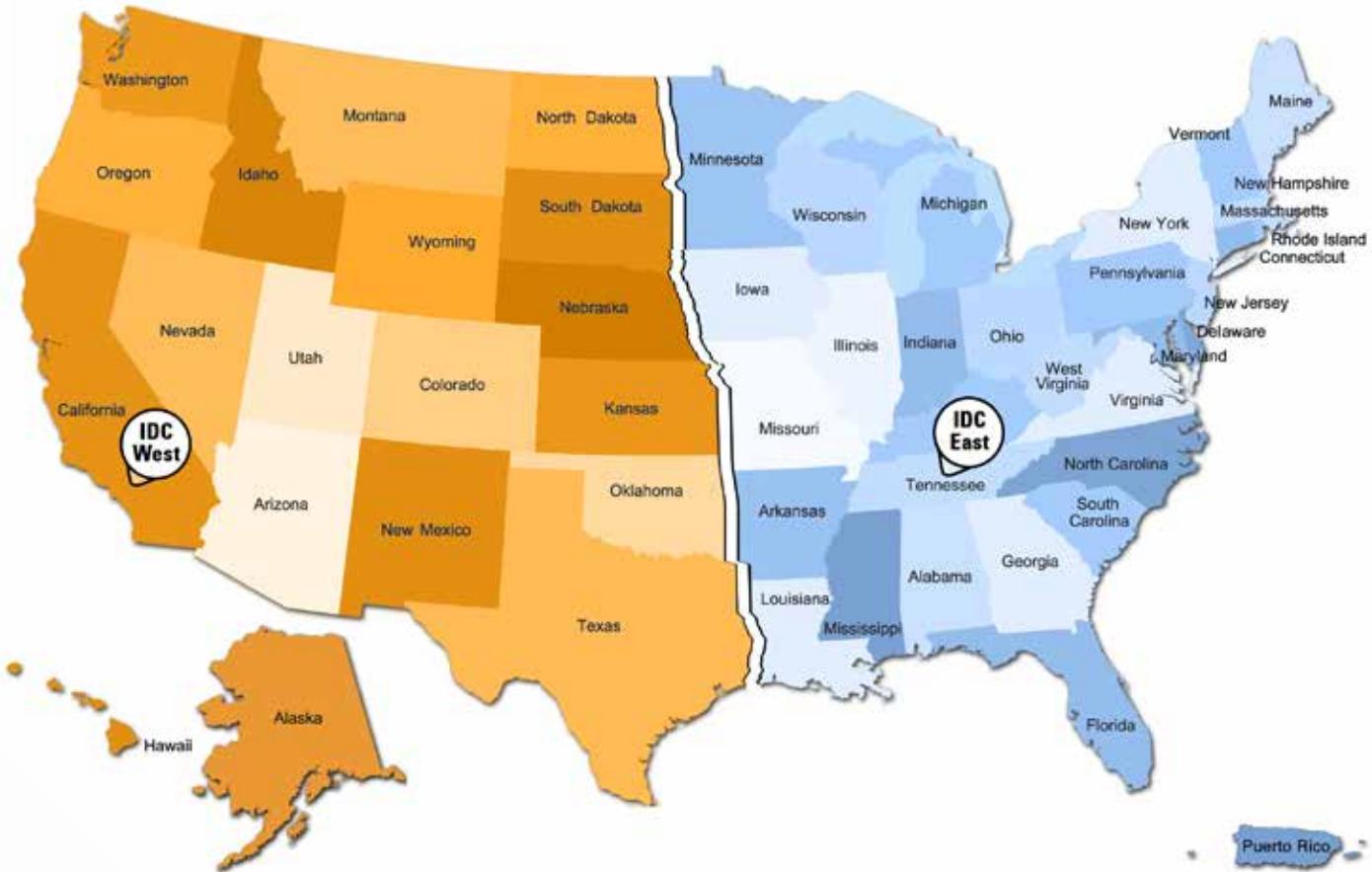




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Since 1968

## RAPID Ship Inventory

Reduce Transit Time & Shipping  
Cost By Location



*Code-Compliant Reliability*

**OHC COMPETITOR SERIES**  
**OVERHEAD CONCEALED CLOSER**

**200 SERIES**



\*Contact us or go to [www.intldoorclosers.com](http://www.intldoorclosers.com) for additional products that are not in our RAPID Ship catalog such as Access Control, Low Energy Operators, Sensors, Custom Hinges and Thresholds.

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### Dear Valued Customer,

It is a privilege to serve your door closer and hardware needs. Our RAPID Ship Brochure will inform you of our many in-house stock items that are readily available to ship from two regional locations.

### RAPID Ship Inventory:

- The RAPID Ship items will ship within 24 hours of receiving the purchase order.
- RAPID Ship inventory ships from two regional locations. (Anaheim CA & Nashville TN)
- If your RAPID Ship item is not stocked. We'll cover the shipping upon availability.

### Freight Policy:

- Prepaid on \$2,000.00, by carrier of our choice within the continental United States. (When customers specifies routing by another carrier or shipping oversized items (70" in length) or longer, any excess charges incurred will be billed).
- Prepaid items include only in house stock (RAPID Ship items). Any outsourced items or oversized hardware are excluded.
- Customers that choose to use "UPS / FedEx "collect" or 3rd party accounts to ship may do so. The shipping account information needs to be available on the original order at the time of order receipt.
- Non-Transportation surcharges {i.e.: construction site delivery, oversized box or pallet, delivery notification, lift gate service, etc.} will be billed to the customer.

### Pricing

- All prices are subject to change without notice. State and local taxes, if any, are to be paid by the purchaser.
- Special forecasting inventory that is brought in exclusively for blanket orders may be subject to a down payment. Call your branch for detailed requirements.

### Returns:

- All returns require an RGA number in order to complete the return.
- A restocking fee of \$25.00 or 15% "whichever is greater" may apply to returned items. (Any outsourced items not within the RAPID Ship catalog such as access control, security products, custom size, thresholds and gasketing will be subject to our suppliers return policies).

### Claims:

- Claims for shortages and/or damaged product must be made within 10 days of order entry.

### Cancellation:

- Any orders canceled after shipping are subject to shipping charges and / or handling fees.

### Order Minimums:

- The order minimum is \$100 with the exception of stocking distributors.
- The order minimum is \$50 for distributor drop ships.
- (A \$15 processing fee will be included on all order that do not meet the order minimum)





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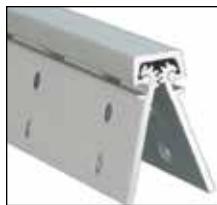
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## OHC COMPETITOR SERIES



### OVERHEAD CONCEALED CLOSER

### 200 SERIES

#### FEATURES

- **CENTER HUNG DOORS:** Double or Single Acting (Door stop applied to frame renders unit Single Acting). Adjustable "S" type side loading or "A" type, "K" type and "PT" type end loading top arms are available for center pivoted applications.
- Built-in positive back stop and hold-open positions available:
  - 105° Back Stop with Hold-Open
  - 105° Back Stop - no Hold-Open
  - 90° Back Stop with Hold-Open
  - 90° Back Stop - no Hold-Open
- ADA spring tensions available for use on center pivoted applications:
  - 5 lb. opening force (Interior door)
  - 8-1/2 lb. opening force (Exterior door)
- Standard spring tensions available:
  - **LIGHT, MEDIUM & HEAVY**
- Two speed control valves:
- Closing and Latching speeds controlled by separate regulating valves, fully adjustable after installation.
- Fits in an aluminum header or transom bar as small as 1-3/4" x 4".
- Positive centering for alignment and to hold door closed against any normal wind or draft.
- Stable hydraulic door check fluid for any climatic operation and constant lubrication.



5 YEAR WARRANTY  
[Click Here For Info.](#)

Center Hung Doors: Complete units for aluminum doors and frames are furnished with top arm assembly (adjustable 'S' side loading, "A" end loading, "K" end loading or "PT" end loading), adjustable dual purpose 3010-DP bottom pivot set for floor or threshold mounting (side or end loading) and 3010-FS anchor set with all fasteners. 3010-G and 3010-GE bottom pivot sets are available, but must be ordered separately.

"S" type side loading top arms and 3010-DP adjustable dual purpose pivot set and 3010-FS anchor set will be furnished unless otherwise specified.

"A" type, "K" type or "PT" type end loading and "JO" or "VO" type offset arms are optional, but must be specified.

"G" and "GE" type pivot sets are available, but must be ordered separately.

Offset Hung Doors: Single Acting. Offset "JO" and "VO" type top arms are available for butt hinge or offset pivot applications.

(Offset Pivots or Butt Hinges not included. Top Door Stop/Arm Cover by others – fabrication drawings available.)



200 SERIES	DOOR SIZE	SPRING TENSION	TYPE	MODEL WITH "S" "A" "K" OR "PT" ARM	MODEL WITH "JO" OR "VO" OFFSET ARM
<b>NOTE:</b> Doors of sizes over the schedule, or of excessive weight, or doors subject to severe wind or draft conditions, or abusive usage, require the next stronger model closer.  <b>SPECIFY:</b> Closer Model Number and Type of Top Arm, Anchor and/or Pivot Set.  <b>SPECIFY FINISH:</b> For 3010-JO or 3020-VO Arms AL - Satin Aluminum DU - Storefront Bronze  <b>WARRANTY:</b> 3 Year Warranty	From 36" to 48" X 96"	ADA 5lb. ( <b>INTERIOR</b> ) 	105° Back Stop with Hold-Open 105° Back Stop - no Hold-Open 90° Back Stop with Hold-Open 90° Back Stop - no Hold-Open	200 201 202 203	NA NA NA NA
	From 36" to 48" X 96"	ADA 8-1/2lb. ( <b>EXTERIOR</b> ) 	105° Back Stop with Hold-Open 105° Back Stop - no Hold-Open 90° Back Stop with Hold-Open 90° Back Stop - no Hold-Open	210 211 212 213	NA NA NA NA
	Up to 30" X 96"	LIGHT	105° Back Stop with Hold-Open 105° Back Stop - no Hold-Open 90° Back Stop with Hold-Open 90° Back Stop - no Hold-Open	220 221 222 223	220 X JO or VO 221 X JO or VO 222 X JO or VO 223 X JO or VO
	31" to 41" X 96"	MEDIUM	105° Back Stop with Hold-Open 105° Back Stop - no Hold-Open 90° Back Stop with Hold-Open 90° Back Stop - no Hold-Open	230 231 232 233	230 X JO or VO 231 X JO or VO 232 X JO or VO 233 X JO or VO
	42" to 48" X 96"	HEAVY	105° Back Stop with Hold-Open 105° Back Stop - no Hold-Open 90° Back Stop with Hold-Open 90° Back Stop - no Hold-Open	240 241 242 243	240 X JO or VO 241 X JO or VO 242 X JO or VO 243 X JO or VO

D200 SERIES PARTS AND ACCESSORIES			PART NO.
	Unit Body (Specify: Spring Tension & degree of Back Stop & Hold open)		2000-B
	"S" Type Adjustable Side Loading Top Arm Assembly (1/2" Depth Top Rail)		3010-S
	"A" Type End Loading Top Arm Assembly (1" Depth Top Rail)		3010-A
	"K" Type End Loading Top Arm Assembly (5/8" Depth Top Rail)		3010-K
	"PT" Type End Loading Top Arm Assembly (7/8" Depth Top Rail)		3010-PT
	"JO" Type Offset Top Arm Assembly Mortised Type (9/16" Depth Top Rail)	Painted Arm -Aluminum Storefront Bronze	3010-JO x AL 3010-JO x DU

\* JO and VO type offset arm in lieu of S, A, K & PT type arms  
 ADA opening force may not provide sufficient power to reliably close and latch a door

	"VO" Type Offset Top Arm Assembly Surface Type (7/8" Depth Top Rail)	Painted Arm -Aluminum Storefront Bronze	3020-VO x AL 3020-VO x DU
	Anchor Set (Standard)		3010-FS
	Adjustable Dual Purpose Bottom Pivot Set (Standard)		3010-DP
	Adjustable Floor Mount Bottom Pivot Set (Optional)		3010-G
	Adjustable Threshold Mount Bottom Pivot Set (Optional)		3010-GE
	Dummy Closer, Standard Spindle Without Oil & Spring, 12mm Spindle, 3010FS Anchor Set Dummy Closer, Long Spindle Body Without Oil & Spring, 19mm Spindle, 3010FS Anchor Set		2000-B-PIVOT 2000-B-PIV-OT-LS

\*in lieu of S, A, K, or PT arms.

Note: Arm Finishes may differ from the actual pictures shown

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## OHC COMPETITOR SERIES



### OVERHEAD CONCEALED CLOSER HANDICAP & STANDARD

### 200-SA SERIES



**"A" Short Type End Loading Arm  
(1" Depth Top Rail)**



**5 YEAR WARRANTY**  
[Click Here For Info.](#)

**Center Hung Doors:** Complete units for aluminum doors and frames are furnished with top arm assembly (adjustable 'S' side loading, "A" end loading, "K" end loading or "PT" end loading), adjustable dual purpose 3010-DP bottom pivot set for floor or threshold mounting (side or end loading) and 3010-FS anchor set with all fasteners.

"S" type side loading top arms and 3010-DP adjustable dual purpose pivot set and 3010-FS anchor set will be furnished unless otherwise specified.

"A" type, "K" type or "PT" type end loading and "JO" or "VO" type offset arms are optional, but must be specified.

"G" and "GE" type pivot sets are available, but must be ordered separately.

**Offset Hung Doors:** Complete units for offset pivoted or butt hinged aluminum doors and frames are furnished with a "JO" or "VO" type offset arm and 3010-FS anchor set with all fasteners.

(Offset Pivots or Butt Hinges not included. Top Door Stop/Arm Cover by others – fabrication drawings available.)

### FEATURES

- **CENTER HUNG DOORS:** Double or Single Acting Door (Door stop applied to frame renders unit Single Acting). "A" type short end loading top arm supplied for smaller top rail applications.
- 3/4" spindle length for better door support.
- Built in positive back stop and hold-open positions available:
  - 105° Back Stop with Hold-Open
  - 105° Back Stop - no Hold-Open
  - 90° Back Stop with Hold-Open
  - 90° Back Stop - no Hold-Open
- Standard spring tensions available:
  - MEDIUM, HEAVY
- Two speed control valves:
- Closing and Latching speeds controlled by separate regulating valves, fully adjustable after installation.
- Adjustable 3010-DP dual purpose radial ball-bearing bottom pivot set is provided for floor or threshold mounted (end loading) center pivoted installation.
- Cast Iron Body fits in aluminum header or transom bar as small as 1-3/4" x 4".
- Positive centering for alignment and to hold door closed against any normal wind or draft.
- Stable hydraulic door check fluid for any climatic operation and constant lubrication.
- 5-3/4" Short "A" Arm (measured from center line of spindle to end of arm).



**3/4" spindle length for better door support.**

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200-SA SERIES	DOOR SIZE	SPRING TENSION	TYPE	MODEL
	31" to 41"	MEDIUM	105° Back Stop with Hold-Open 105° Back Stop - no Hold-Open 90° Back Stop with Hold-Open 90° Back Stop - no Hold-Open	230-SA 231-SA 232-SA 233-SA
	42" to 48"	HEAVY	105° Back Stop with Hold-Open 105° Back Stop - no Hold-Open 90° Back Stop with Hold-Open 90° Back Stop - no Hold-Open	240-SA 241-SA 242-SA 243-SA

Note: Sizes may vary due to door weight, stack pressure in the building, and wind conditions.

200-SA SERIES PARTS AND ACCESSORIES		PART NO.
	<b>Body Only or Unit Body</b> Specify: Spring Tension and degree of Back Stop and Hold Open	2000-B-31
	<b>"A" Short Type End Loading Arm (1" Depth Top Rail)</b>	3010-SA
	<b>Adjustable Dual Purpose Bottom Pivot Set</b>	3010-DP
	<b>Anchor Set</b>	3010-FS

Note: Arm Finishes may differ from the actual pictures shown

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## OHC COMPETITOR SERIES



### OVERHEAD CONCEALED CLOSER

GRADE 2

300 SERIES



5 YEAR WARRANTY

[Click Here For Info.](#)

#### FEATURES

- ADA closer with Adjustable Spring Power for a range of sizes from 5 lb. to 8.5 lb. LIGHT & MEDIUM. Spring Tension, fully adjustable after installation.
- Barrier Free Operation to comply with Federal Accessibility Standards (ADA): complying with ANSI A117.1 (4.13.11) available for center pivoted applications.
- Built-in positive back stop and hold-open positions available:
  - 105° Back Stop with Hold-Open
  - 105° Back Stop - no Hold-Open
  - 90° Back Stop with Hold-Open
  - 90° Back Stop - no Hold-Open
- Suitable for both Center Hung (Double or Single Acting) and Offset Doors.
- Two control valves: Closing speed and latching speed, fully adjustable after installation.
- Fits in an aluminum header or transom bar as small as 1 3/4" x 4".
- Stable hydraulic door check fluid for any climatic operation and constant lubrication.
- Optional 3/4" Spindle Available.

Center Hung Doors: Complete units for aluminum doors and frames are furnished with top arm assembly (adjustable 'S' side loading, "A" end loading, "K" end loading or "PT" end loading), adjustable dual purpose 3010-DP bottom pivot set for floor or threshold mounting (side or end loading) and 3010-FS anchor set with all fasteners.

"S" type side loading, "A" type, "K" type, or "PT" type end loading top arms are available for center pivoted applications.

"A" type, "K" type or "PT" type end loading and "JO" or "VO" type offset arms are optional, but must be specified.

"G" and "GE" type pivot sets are available, but must be ordered separately.

Offset Hung Doors: Complete units for offset pivoted or butt hinged aluminum doors and frames are furnished with a "JO" or "VO" type offset arm (may not meet handicap force requirements) and 3010-FS anchor set with all fasteners .

3010-DP dual purpose radial ball bearing bottom pivot set is standard for floor or threshold center pivoted installation. Optional 3010-GE bottom pivot sets are available, but must be ordered separately.



Optional 3/4" spindle length  
for better door support.

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D300 SERIES	TYPE	MODEL NO.
NOTE: Doors of varying sizes, or of excessive weight, or doors subject to severe wind or draft conditions, or abusive usage, refer to Series D200 Overhead Concealed Closers.	105° Back Stop with Hold-Open	310
	105° Back Stop - no Hold-Open	311
	90° Back Stop with Hold-Open	312
	90° Back Stop - no Hold-Open	313
SPECIFY: Closer Model Number and Type of Top Arm, Anchor and/or Pivot Set.	3/4" SPINDLE	MODEL NO.
	105° Back Stop with Hold-Open	310-19-A-DP
	105° Back Stop - no Hold-Open	311-19-A-DP
	90° Back Stop with Hold-Open	312-19-A-DP
	90° Back Stop - no Hold-Open	313-19-A-DP

300 SERIES PARTS AND ACCESSORIES				PART NO.
		Unit Body (Specify: Spring Tension & degree of Back Stop & Hold open)		3000-B
		"S" Type Adjustable Side Loading Top Arm Assembly (1/2" Depth Top Rail)		3010-S
		"A" Type End Loading Top Arm Assembly (1" Depth Top Rail)		3010-A
		"K" Type End Loading Top Arm Assembly (5/8" Depth Top Rail)		3010-K
		"PT" Type End Loading Top Arm Assembly (7/8" Depth Top Rail)		3010-PT
		"JO" Type Offset Top Arm Assembly Mortised Type (9/16" Depth Top Rail)	Painted Arm -Aluminum Storefront Bronze	3010-JO x AL 3010-JO x DU
* JO and VO type offset arm in lieu of S, A, K & PT type arms ADA opening force may not provide sufficient power to reliably close and latch a door				
		"VO" Type Offset Top Arm Assembly Surface Type (7/8" Depth Top Rail)	Painted Arm -Aluminum Storefront Bronze	3020-VO x AL 3020-VO x DU
		Anchor Set (Standard)		3010-FSP
		Adjustable Dual Purpose Bottom Pivot Set (Standard)		3010-DP
		Adjustable Floor Mount Bottom Pivot Set (Optional)		3010-G
		Adjustable Threshold Mount Bottom Pivot Set (Optional)		3010-GE

\*in lieu of S, A, K, or PT arms.

Note: Arm Finishes may differ from the actual pictures shown

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## CROSS REFERENCE CHART

### OHC OVERHEAD CONCEALED CLOSERS

**COMPETITOR**

300 SERIES CROSS REFERENCE CHART										
IDC	CRL	Jackson	Calibre	Global	Dor-O-Matic	Sentinel	S. Parker	Taco (TA)	Rixson	Dorma
200B ~ 203B	CRL6800	USE 20101M (17-20)	2200B ~ 2203B							RTS88BFI
210A ~ 213A	CRL8900A		2210A ~ 2213A							
210B ~ 213B	CRL6900	USE 20101M (17-20)	2210B ~ 2213B							RTS88BFE
210S ~ 213S	CRL8900S		2210S ~ 2213S							
210GE ~ 213GE	CRL8900GE		2210GE ~ 221GE							
220B ~ 223B	CRL7000	2010M (05-08)	1100B ~ 2200B	TC7020 ~ TC7023	USE OHC101	S30	402	32	608-LAP	RTS88
230A ~ 233A	CRL8100A	21101AE (01-04)	2230A ~ 2233A							
230B ~ 233B	CRL7100	2010M (01-04)	2230 ~ 2233	TC7030 ~ TC7033	USE OHC100	S30	403	32	608-LAP	RTS88-SZ3
230S ~ 233S	CRL8100S		2230S ~ 2233S							
230GE ~ 233GE	CRL8100GE	21101GE	2230GE ~ 2233GE							
240B ~ 243B	CRL7200	20104M (09-12)	2240-2243	TC7040 ~ TC7043	USE OHC100	S30	404	32	608-LAP	RTS88-SZ4

CAUTION: Closers listed may represent a series. The exact model may include size or function designation

### 200-SA SERIES CROSS REFERENCE CHART

IDC	CRL	Jackson	Calibre	Rixson
230SA-233SA	CRL9100	20104M (01-04)	1100-20B ~ 2200-20B	608EXT-LAP
240SA-243SA	CRL9200	20104M (01-04)	1140-20B ~ 2240-20B	

CAUTION: Closers listed may represent a series. The exact model may include size or function designation

### 300 SERIES CROSS REFERENCE CHART

IDC	CRL	Jackson	Calibre	AHT	Global	Dor-O-Matic
310A-313A	CRL8700A	21101AE (17-20)	3210A ~ 3213A			
310B-313B	CRL6700		3301B ~ 3303B	AHT50B5		
310S-313S	CRL8700S		3210S ~ 3213S	AHT505	TC7010ADA	OHC101
310GE-313GE	CRL8700GE	21101GE (17-20)	3210GE ~ 3213GE			

CAUTION: Closers listed may represent a series. The exact model may include size or function designation

### PARTS COMPARISON CHART

IDC	CRL	Jackson	Calibre	Global	Dor-O-Matic	Sentinel	Taco (TA)	Rixson	Dorma
3010-FS	CRL89010FS	20219	CA3010-FS	CLIP	OHC100-FB		MC-32-FS	608019	
3010-FA	CRL8010FA		CA3010-FA				MC-32-FA		
3010-FK	CRL8010FK		CA3010-FK						
3010-S	CRL8010S	20400B	CA3010-S	SLA	OHC100-SL	SLA	A-32-S	608005S	8831
3010-A	CRL8010A	202000	CA3010-A	ELA	OHC100-EL	ELA	A-32-A		8835
3010-PT	CRL8010PT	202010	CA3010-PT				A-32-PT		8836
3010-K	CRL8010K	202085	CA3010-K	KRM		K-ELA	A-32-K		8837
3010-SA	CRL8010AS		CA3010-A-MOD						8836S
3010-JO	CRL8010JO	20900	CA3010-JO	OFFSET ARM			A-32-JO		8812
3010-VO	CRL8020VO	20900	CA3010-VO		OHC100-VO				
3010-DP	CRL8010DP	201680	CA3010-DP	OHC-PIVOT	OHC100-DP		P-32-DP	608011A	
3010-G	CRL8010G	20902	CA3010-G				P-32-G		
3010-GE	CRL8010GE	20944	CA3010-GE	GE-PIVOT	OHC100-GE		P-32-GE		

CAUTION: Closers listed may represent a series. The exact model may include size or function designation



# HEAVY DUTY CAST IRON



## SURFACE APPLIED CLOSER

Grade 1

**44CI SERIES**



### FEATURES

- Application for HIGH TRAFFIC Doors
- Cast Iron Body; Forged Steel Arm
- Double Heat Treated Steel Pinion
- All Weather Fluid
- Non-Handed
- Non-Sized Adjustable 1 Through 6; Standard with Back Check
- Universal Application for Regular Arm, Top Jamb, or Parallel Arm Mounting
- Standard Plastic Cover - Non Handed
- Hold-open arms are adjustable for holding from 85° to 180°.
- 5 YEAR WARRANTY

**5 YEAR WARRANTY**  
[Click Here For Info.](#)



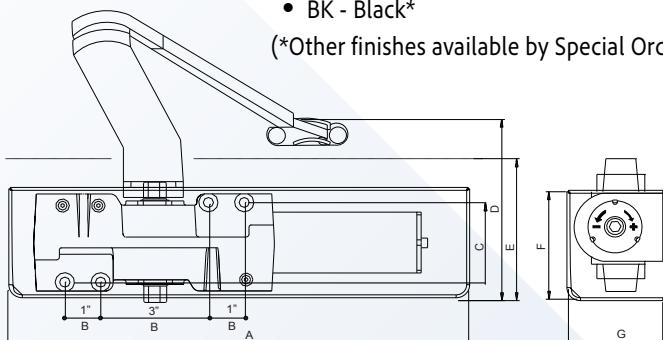
### OPTIONS AVAILABLE

- Metal Cover
- Heavy Duty Arm (EDA)
- Hold-Open arm
- Stop Only Arm
- Friction Hold Open Arm

### FINISHES

- AL - Aluminum
- DU - Storefront Bronze
- BK - Black\*

(\*Other finishes available by Special Order)



Front View

End View

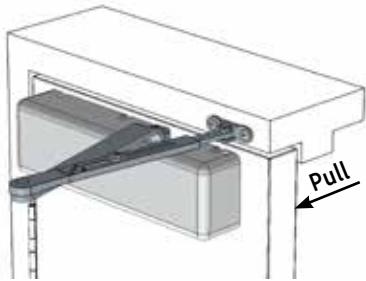
### 44CI Series Comparison Footprint Chart (5" x 2-1/4")

Advantage 8000	Arrow DC500	C.R. Laurence PR90	Cal Royal CR441	Calibre 4001
Cooper Creek/ Bulldog CL8844	Deltana DC40	Design Hardware 416	EZ-Set DO 4	General Lock C9000
Global (Imperial USA) TC4300	Hager 5100	Harney Hardware DC8400	Independace2 4040	Inox/Unison Hardware DC90
Lawrence Hardware LH8016	LCN 4040XP, 4041	LSDA DC6816	Marshall Best QDC-40	MaxGrade MDC100
Norton 410, 9540	Pamex GC4400	PDQ 7100	PLS DC1916	S. Parker 441BC
Seco-Larm SD-C101-SBBQ	Sentinel 4016	Stanley/K2 QDC100	Taymor 4000	Tell 900
Townsteel TDC40	Yale 5800			

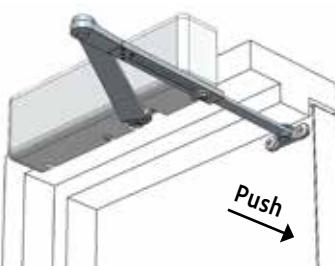
### TECHNICAL DIMENSIONS

Description	Dimensions
A. Length of Closer Body (With Cover)	12-1/4"
B. Horizontal Mounting Holes	SEE DRAWING
C. Vertical Mounting Holes	2-1/4"
D. Overall Height	4-7/8"
E. Top of Door to Bottom of Closer	3-11/16"
F. Closer Body Height	3-1/2"
G. Projection from Door	2-1/4"

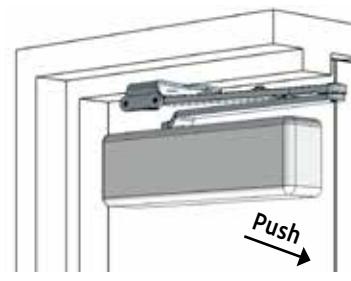
## 44CI SERIES MOUNTING



**Regular Arm (Pull Side)**  
Permits 120° maximum opening



**Top Jamb (Push Side)**  
Permits 120° maximum opening



**Parallel Arm (Push Side)**  
Permits 180° maximum opening

<b>44CI SERIES PARTS AND ACCESSORIES</b>		<b>PART NO.</b>
	Plastic Dress Cover	DC-44
	Metal Dress Cover (special order)	DC-44M
	Complete Arm Assembly	44-2021
	Cushion - Hold-open arm - Mechanical Turn Type	44-2022
	Cushion Stop Arm	44-2023
	Friction Hold Open Arm	44-2024
	Heavy Duty Arm (EDA)	44-2026
	Parallel Bracket	425
	Drop Plate for Pull Side installation when top Door Rail is less than 3-3/4". Requires a 2" minimum height Door Rail.	44-18
	Drop Plate for Top Jamb installation when ceiling is flush to top of Header. Requires a minimum 1-3/4" header height.	44-18G
	Drop Plate for Top Jamb installation on Door Headers less than 3-1/2" in height.	44-18J
	Drop Plate for Parallel Arm installation on Door Rails less than 5-1/2" (measured down from the door stop). Requires a 2" minimum height Door Rail.	44-18PA

\*in lieu of standard

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### SPECIFY FINISH:

- AL - Aluminum
- DU - Storefront Bronze
- BK - Black





## UNIVERSAL APPLICATION SURFACE APPLIED CLOSER Grade 2

850 & 880 SERIES



5 YEAR WARRANTY

[Click Here For Info.](#)

### FEATURES

- Series 880 has adjustable Back-Check function controlled by a separate regulating valve, adjustable after installation.
- Grade 2 Underwriters' Laboratories Inc. Listed.
- Range of sizes:
  - Standard: 851, 852, 853, 854 and 855
  - Back-Check: 883, 884 and 885
- Two Adjustment Valves: Closing and Latching speeds controlled by separate regulating valves, adjustable after installation.
- Universal application. Non-handed for standard, top jamb or parallel arm installation.
- Available with regular, hold-open or fusible link hold open arms.
- Regular arms are equipped with a 15% (+)(-) 7½% power adjustment bracket.
- Hold-open arms are adjustable for holding from 90° to 180°.
- Rack and pinion mechanism contained in a high tensile precision cast aluminum housing assures the highest quality.
- Stable hydraulic door check fluid for any climatic operation and constant lubrication.
- Narrow design permits installation on most modern glass and aluminum doors without adaptors.



### 850 SERIES - STANDARD 880 SERIES - ADJUSTABLE BACK-CHECK



• 850 & 880 Series  
Closing and Latching  
Adjustment Valves

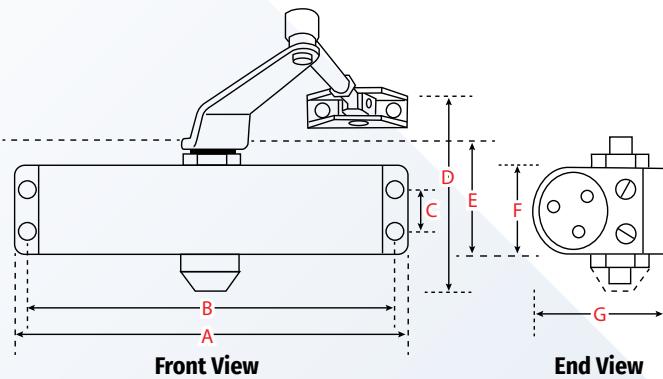
• 880 Series Back-Check  
Adjustment Valve

### FINISHES

- AL - Aluminum
- DU - Storefront Bronze
- BK - Black\*

(\*Other finishes available by Special Order)

### Size 1 Meets ADA Requirements



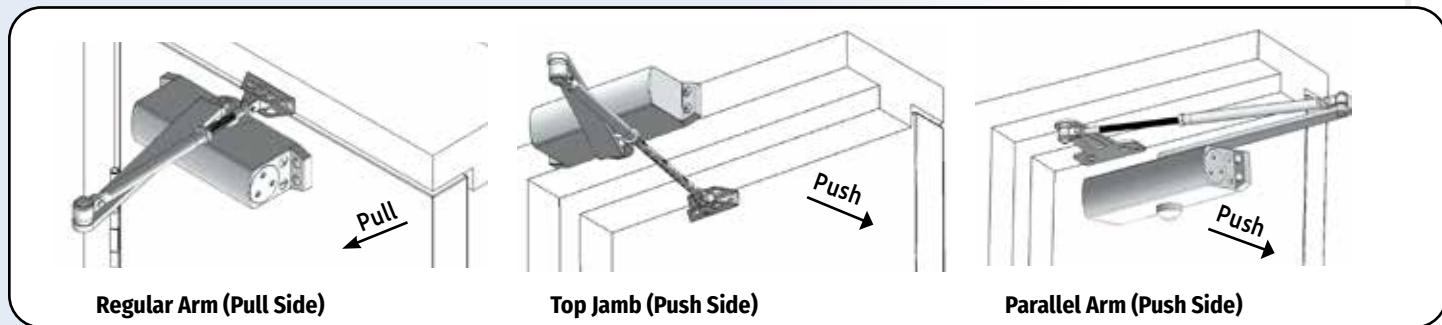
Description	Dimensions			
	1	2	3	4 & 5
A. Length of Closer Body (With Cover)	$7\frac{1}{8}$ "	$8\frac{1}{16}$ "	$8\frac{7}{8}$ "	$9\frac{3}{4}$ "
B. Horizontal Mounting Holes	$6\frac{1}{2}$ "	$7\frac{3}{8}$ "	$8\frac{3}{16}$ "	$9\frac{1}{16}$ "
C. Vertical Mounting Holes	$3\frac{1}{4}$ "	$3\frac{1}{4}$ "	$3\frac{1}{4}$ "	$3\frac{1}{4}$ "
D. Overall Height	$4\frac{1}{16}$ "	$4\frac{3}{4}$ "	$4\frac{3}{4}$ "	$4\frac{3}{4}$ "
E. Top of Door to Bottom of Closer	$1\frac{15}{16}$ "	$2\frac{1}{4}$ "	$2\frac{1}{4}$ "	$2\frac{1}{4}$ "
F. Closer Body Height	$1\frac{5}{8}$ "	$1\frac{3}{4}$ "	$1\frac{3}{4}$ "	$1\frac{3}{4}$ "
G. Projection from Door	$2\frac{9}{16}$ "	3"	3"	3"

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## 850 & 880 SERIES MOUNTING



Regular Arm (Pull Side)

Top Jamb (Push Side)

Parallel Arm (Push Side)

INTERIOR DOOR SIZE	EXTERIOR DOOR SIZE		TYPE	MODEL NUMBER	
	Swing Out	Swing In		Standard	Back-Check
32"	28"	24"	Regular Arm	851	
28"	24"	—	Parallel Arm	851-P	
36"	32"	28"	Regular Arm	852	
32"	28"	24"	Parallel Arm	852-P	
36"	32"	28"	Hold-Open Arm	1852	
32"	28"	24"	Parallel Hold-Open Arm	1852-P	
42"	36"	32"	Regular Arm	853	883
36"	32"	28"	Parallel Arm	853-P	883-P
42"	36"	32"	Hold-Open Arm	1853	1883
36"	32"	28"	Parallel Hold-Open Arm	1853-P	1883-P
48"	42"	36"	Regular Arm	854	884
42"	36"	32"	Parallel Arm	854-P	884-P
48"	42"	36"	Hold-Open Arm	1854	1884
42"	36"	32"	Parallel Hold-Open Arm	1854-P	1884-P
54"	48"	42"	Regular Arm	855	885
48"	42"	36"	Parallel Arm	855-P	885-P
54"	48"	42"	Hold-Open Arm	1855	1885
48"	42"	36"	Parallel Hold-Open Arm	1855-P	1885-P

850 & 880 Series Parts	Description	Size	1	2	3	4 & 5	NOTE: Doors of unusual height or weight, or doors subject to severe wind or draft conditions, or abusive usage, require the next larger model closer than the schedule.  SPECIFY: Closer Model or Part Number  SPECIFY FINISH: AL - Aluminum DU - Storefront Bronze
	Main Arm	Part #	510	520	520	520	
	Regular Forearm	Part #	511	521	521	521	
	Hold-Open Forearm	Part #	None-	522	522	522	
	Parallel Bracket for Regular Arm	Part #	515	525	525	525	
	Flat Drop Bracket	Part #	None -	527	537	547	
	Top Jamb Bracket	Part #	None -	None	TJB-53	TJB-54	
	Dress Cover	Part #	None	None	DC-8000	DC-8000	
	Thru Bolt & Grommet Nut (Set of 4 each)	Part #	TBGN-50	TBGN-50	TBGN-50	TBGN-50	

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## FIXED SPRING POWER SURFACE APPLIED CLOSER Grade 1 • Fire Rated

1800 SERIES



5 YEAR WARRANTY  
[Click Here For Info.](#)



### FEATURES

- Narrow design permits installation on most glass and aluminum doors without adapters
- Standard application for regular arm and Top Jamb installation; parallel arm installation
- **Two Adjustment Valves:** Closing and Latching speeds controlled by separate regulating valves, adjustable after installation. (Three valves with optional back-check)
- Ranges of Sizes
  - Standard: 1802, 1803, 1804, and 1805
  - Back-Check: 1803-BC, 1804-BC, and 1805-BC

### OPTIONS AVAILABLE

- Slim or Full Plastic Cover
- Hold-Open Arm
- Drop Plates
- Sex Nuts and Bolts

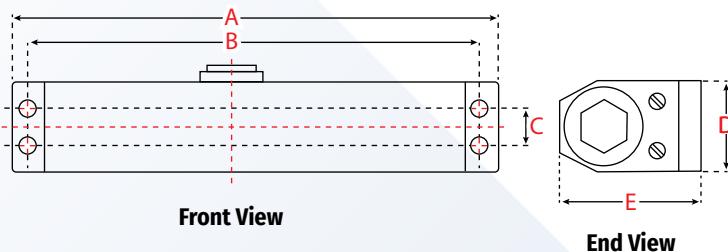
- Closing and Latching Adjustment Valves

- 1803-BC, 1804-BC and 1805-BC Series Back-Check Adjustment Valve

### FINISHES

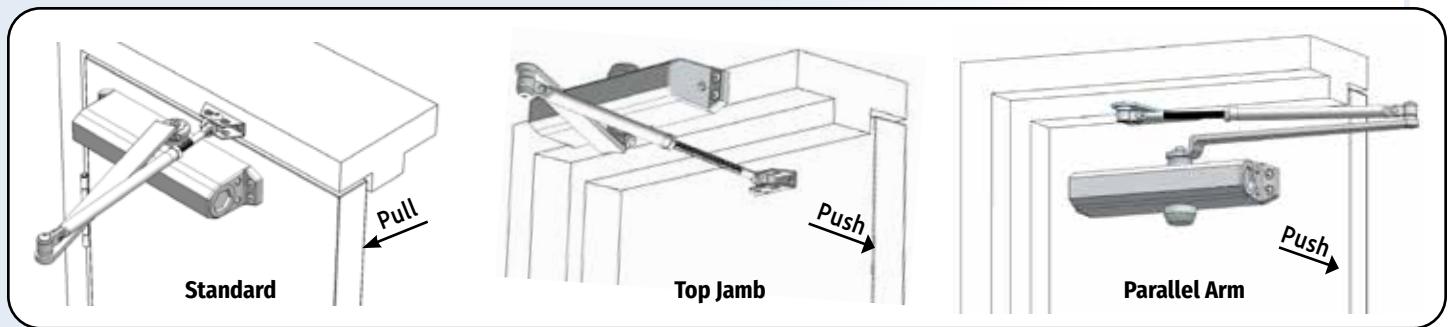
- AL - Aluminum
- DU - Storefront Bronze
- BK - Black\*

(\*Other finishes available by Special Order)



TECHNICAL DIMENSIONS	
Description	Dimensions
A. Length of Closer Body (With Cover)	$9 \frac{3}{4}$ "
B. Horizontal Mounting Holes	$9 \frac{1}{16}$ "
C. Vertical Mounting Holes	$\frac{3}{4}$ "
D. Closer Body Height	$1 \frac{31}{32}$ "
E. Projection from Door	$2 \frac{29}{32}$ "

## 1800 SERIES MOUNTING



Maximum Size of Door							Applicable Door Weight Lbs (Kg)	
Regular & Top Jamb				Parallel Arm				
Closer Size	Interior	Exterior Inswing	Exterior Outswing	Closer Size	Interior	Exterior Outswing		
2	36" (0.91m)			2	30" (0.76m)		66-99 (30-45)	
3	42" (1.07m)	30" (0.76m)	36" (0.91m)	3	36" (0.91m)	30" (0.76m)	99-143 (45-65)	
4	48" (1.22m)	36" (0.91m)	42" (1.07m)	4	42" (1.07m)	36" (0.91m)	143-187 (65-85)	
5	54" (1.37m)	42" (1.07m)	48" (1.22m)	5	48" (1.22m)	42" (1.07m)	178-264 (85-120)	
MODEL					SIZE		TYPE	
1802					2		Standard	
1803					3		Standard	
1803-BC					3		Back-Check	
1804					4		Standard	
1804-BC					4		Back-Check	
1805					5		Standard	
1805-BC					5		Back-Check	
850 & 880 Series Parts		Description			Part #		NOTE: Doors of unusual height or weight, or doors subject to severe wind or draft conditions, or abusive usage, require the next larger model closer than the schedule.  SPECIFY: Closer Model or Part Number  SPECIFY FINISH: AL - Aluminum DU - Storefront Bronze	
		Main Arm			520			
		Regular Forearm			521			
		Hold-Open Forearm			522			
		Parallel Bracket for Regular Arm			525			
		Flat Drop Bracket			547			
		Dress Cover			DC-8000			
		Thru Bolt & Grommet Nut (Set of 4 each)			TBGN-50			
		Sex Nuts & Bolts			18-SN			

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## ADJUSTABLE SPRING POWER



### SURFACE APPLIED CLOSER

Grade 1 • Handicap

**5000-TP SERIES**



5 YEAR WARRANTY

[Click Here For Info.](#)

#### FEATURES

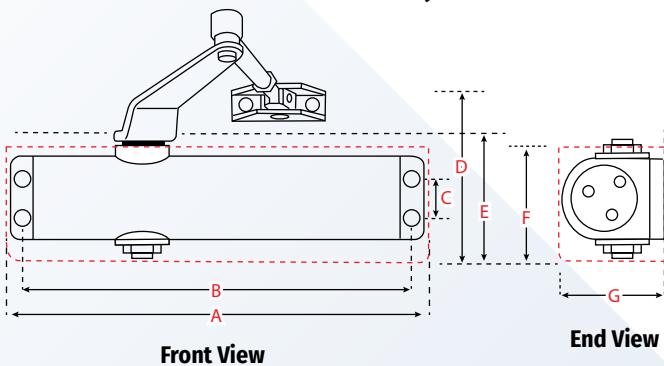
- Model 5001-TP
- ADA (Handicap) multi-sized closer with adjustable spring power for a range of sizes. 1-6 adjustable back check and delay action, adjustable after installation.
- **Two Speed Control Valves:** Closing and latching speeds controlled by separate regulating valves, adjustable after installation.
- Universal application. Non-handed for standard, top jamb or parallel arm installation.
- Furnished with dress cover and PA bracket.
- Rack and pinion mechanism contained in a high tensile precision cast aluminum housing.
- Stable hydraulic door check fluid for any climatic operation and constant lubrication.
- Hold-open arms are adjustable for holding from 90° to 180°
- Optional, hold-open arms.



- Back-Check and Delay Adjustment Valve



- Spring Power Adjustment



#### FINISHES

- AL - Aluminum
- DU - Storefront Bronze
- BK - Black\*

(\*Other finishes available by Special Order)

#### TECHNICAL DIMENSIONS

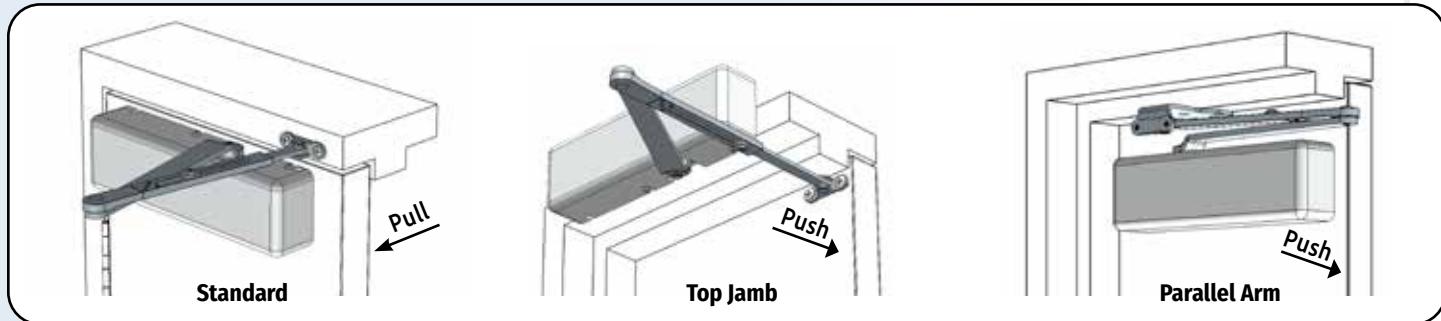
Description	With Dress Cover	No Dress Cover
A. Length of Closer Body	13"	12 $\frac{11}{16}$ "
B. Horizontal Mounting Holes	12"	12"
C. Vertical Mounting Holes	$\frac{3}{4}$ "	$\frac{3}{4}$ "
D. Overall Height	5 $\frac{1}{8}$ "	5 $\frac{1}{16}$ "
E. Top of Door to Bottom of Closer	3 $\frac{1}{2}$ "	3 $\frac{7}{16}$ "
F. Closer Body Height	3"	2 $\frac{7}{8}$ "
G. Projection from Door	2 $\frac{5}{16}$ "	2 $\frac{3}{16}$ "

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## 5000-TP SERIES MOUNTING



TYPICAL INSTALLATIONS (REGULAR ARMS SHOWN) Hold-Open Arms are Similar

5000-TP SERIES			TYPE
<b>5001-TP With Dress Cover</b>			Regular Arm Parallel Arm Hold-Open Arm (Optional) Parallel Hold-Open Arm (Optional)
5000-TP SERIES PARTS AND ACCESSORIES	DESCRIPTION	PART NO.	
	Complete Arm Assembly	501	<b>NOTE:</b> Doors of unusual height or weight, or doors subject to severe wind or draft conditions, or abusive usage, require one or two more full turns of hex spring adjustment nut than shown on the Installation instructions.
	Hold-Open Forearm Hold-Open Forearm in lieu of standard*	522 522*	
	Parallel Bracket for Regular Arm	525	
	Dress Cover	DC-5000	
	Thru Bolt & Grommet Nut (Set of 4 each) Packed With Closer in lieu of standard*	TBGN-50 TBGN-50*	
	Sex Nuts & Bolts	18-SN	

\*in lieu of standard

5000-TP SERIES COMPARISON FOOTPRINT CHART (12" X 3/4")							
Advantage 6000	Arrow 5016N	Cal Royal CR801	Calibre 5501, 5502, 5503	Design Hardware 316, 316R	Dexter Commercial DCM1000	Dorma 8600	EZ-Set DO 2
Falcon/Dor-O-Matic SC80	General Lock C7000	Global (Imperial USA) TC400, TC500	Hager 5200	Harney Hardware DC8300	Inox/Unison Hardware DC85	Lawrence Hardware LH816	LCN 1450
LSDA DC6716	Marshall Best QDC-85	MaxGrade MDC200	Norton 210, 8000	Pamec GC6800	PDQ 5300, 5500	PLS DC1816	Sargent 1313
Seco-Larm SD-C101-SBAQ	Sentinel 9016	Stanley/K2 QDC200	Tell 800	Townsteel TDC85	Yale 2500 (Discontinued), 2700, 3000		

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## ADJUSTABLE SPRING POWER



### SURFACE APPLIED CLOSER

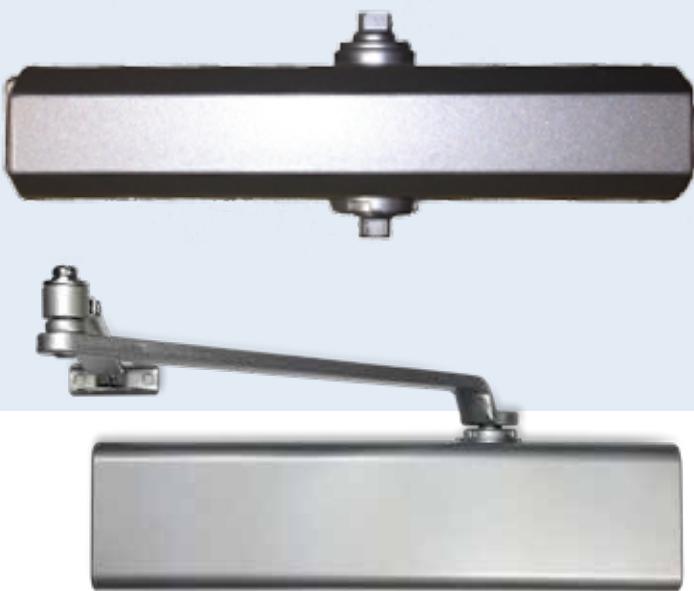
Grade 1 • Handicap

**8000-TP SERIES**



5 YEAR WARRANTY

[Click Here For Info.](#)



## FEATURES

- **Model 8051-TP** Standard with Sweep, Latching, and Back-Check
- **Model 8052-TP** Standard with Sweep, Latching, and Delayed Action
- Adjustable Spring Power Size 1 through 6
- Cast Aluminum body; forged steel arm
- Tri-packed for regular arm, top jamb and parallel arm application
- Hold-open arms are adjustable for holding from 90° to 180°

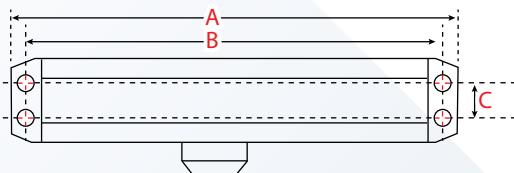
## OPTIONS AVAILABLE

- Drop Plate, Hold Open Arm
- Replacement for Norton 1600 or 1601

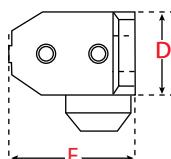
## FINISHES

- AL - Aluminum
- DU - Storefront Bronze
- BK - Black\*

(\*Other finishes available by Special Order)



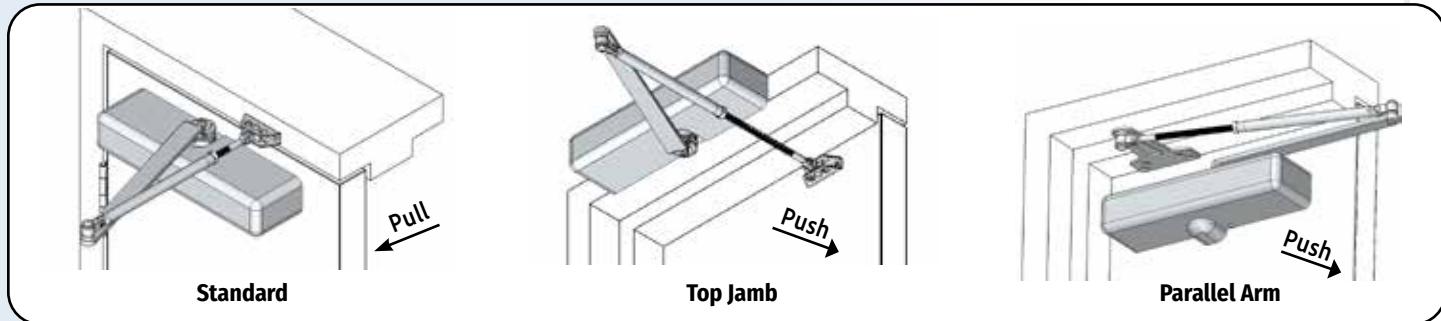
Front View



End View

TECHNICAL DIMENSIONS	
Description	Dimensions
A. Length of Closer Body	9-3/4" (248 mm)
B. Horizontal Mounting Holes	9-1/16" (230 mm)
C. Vertical Mounting Holes	3/4" (19 mm)
D. Closer Body Height	1-13/16" (46 mm)
E. Projection from Door	2-3/4" (70 mm)

## 8000-TP SERIES MOUNTING



TYPICAL INSTALLATIONS (REGULAR ARMS SHOWN) Hold-Open Arms are Similar

MODEL NO.		Size
Tri-packed; With Back-Check	Tri-packed; With Delayed Action	
8051-TP	8052-TP	1-6

Regular & Top Jamb				Parallel Arm			Applicable Door Weight Lbs (Kg)
Maximum Size of Door				Closer Size	Interior	Exterior Outswinging	
Closer Size	Interior	Exterior Inswing	Exterior Outswing	Closer Size	Interior	Exterior Outswinging	
1	28" (0.71m)	30" (0.76m)	36" (0.91m)	1			33-66 (15-30)
2	36" (0.91m)			2	30" (0.76m)		66-99 (30-45)
3	42" (1.07m)	30" (0.76m)	36" (0.91m)	3	36" (0.91m)	30" (0.76m)	99-143 (45-65)
4	48" (1.22m)	36" (0.91m)	42" (1.07m)	4	42" (1.07m)	36" (0.91m)	143-187 (65-85)
5	54" (1.37m)	42" (1.07m)	48" (1.22m)	5	48" (1.22m)	42" (1.07m)	178-264 (85-120)
6	60" (1.52m)	48" (1.22m)	54" (1.37m)	6	54" (1.37m)	48" (1.22m)	264-330 (120-150)

8000-TP SERIES PARTS AND ACCESSORIES	DESCRIPTION	PART NO.	NOTE: Doors of unusual height or weight, or doors subject to severe wind or draft conditions, or abusive usage, require one or two more full turns of hex spring adjustment nut than shown on the Installation instructions.  SPECIFY: Closer Model or Part Number  SPECIFY FINISH: Al-Aluminum DU -Storefront Bronze
	Main Arm	520	
	Regular Forearm	521	
	Hold-Open Forearm *Hold-Open Forearm in lieu of standard	522 522*	
	Parallel Bracket for Regular Arm	525	
	Flat Drop Bracket for Closers - With Dress Cover	547	
	Top Jamb Bracket	TJB-54	
	Dress Cover	DC-8000	
	Thru Bolt & Grommet Nut (Set of 4 each) *Packed With Closer in lieu of standard	TBGN-50	
	Sex Nuts & Bolts	18-SN	

\*in lieu of standard

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## ADJUSTABLE SPRING POWER

**9000-TP SERIES**



**SURFACE APPLIED CLOSER**  
Grade 1 • ADA Handicap



5 YEAR WARRANTY

[Click Here For Info.](#)

### FEATURES

- Model 9001-TP: Adjustable spring power (1-6) Opening Force with adjustable back check and delayed action controlled by a separate regulating valve.
- ADA (Handicap) multi-sized closer with adjustable Spring Power for a range of sizes adjustable after installation.
- Two Speed Control Valves: Closing and Latching speeds controlled by separate regulating valves, adjustable after installation.
- Universal Application: Non handed for standard, top jamb or parallel arm installation (parallel arm bracket included).
- Rack and pinion mechanism contained in a high tensile precision cast aluminum housing.
- Stable hydraulic door check fluid for any climatic operation and constant lubrication.
- Furnished with a high impact molded PVC Dress Cover (door closer body casting is finished for use without the dress cover).
- Optional hold-open arms available.
- Hold-open arms are adjustable for holding from 90° to 180°



#### • Adjustment Valves

### FINISHES

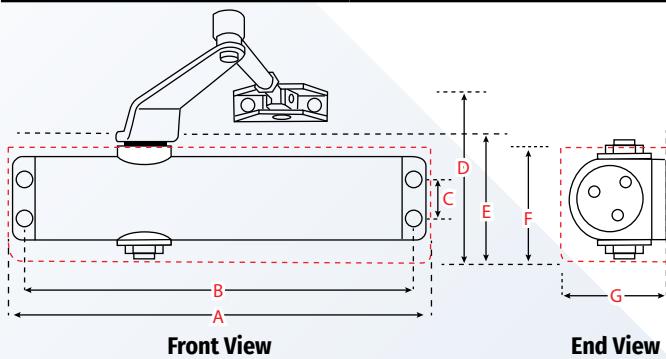
- AL - Aluminum
- DU - Storefront Bronze
- BK - Black\*

(\*Other finishes available by Special Order)

#### 9001-TP Series Comparison Footprint Chart (11-1/8" x 3/4")

Cooper Creek/Bulldog  
CL8600

Taymor  
1900



#### TECHNICAL DIMENSIONS

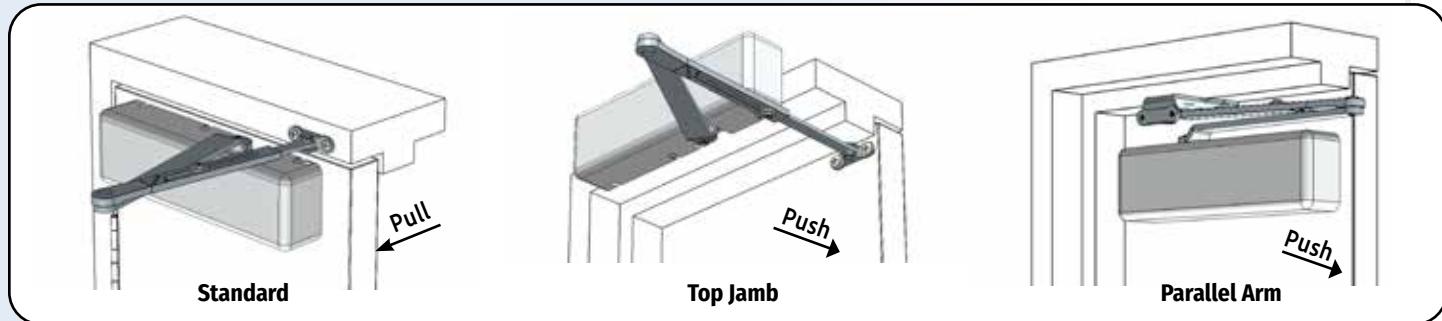
Description	Dimensions
A. Length of Closer Body	11 7/8"
B. Horizontal Mounting Holes	11 1/8"
C. Vertical Mounting Holes	3/4"
D. Overall Height	4 9/16"
E. Top of Door to Bottom of Closer	3 5/16"
F. Closer Body Height	2 13/16"
G. Projection from Door	2 9/16"

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## 9000-TP SERIES MOUNTING



TYPICAL INSTALLATIONS (REGULAR ARMS SHOWN) Hold-Open Arms are Similar

MODEL NO.	TYPE
Back-Check / Delayed Action	
9001-TP	Regular Arm

9000-TP SERIES PARTS AND ACCESSORIES	DESCRIPTION	PART NO.
	Complete Arm Assembly	901
	Hold-Open Forearm *Hold-Open Forearm in lieu of standard	522 522*
	Parallel Bracket for Regular Arm	525
	Flat Drop Bracket for Closers - With Dress Cover	9007
	Top Jamb Bracket	TJB-9000
	Thru Bolt & Grommet Nut (Set of 4 each) *Packed With Closer in lieu of standard	TBGN-50
	Sex Nuts & Bolts	18-SN

\*in lieu of standard

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## COMPARISON FOOTPRINT CHART SURFACE CLOSERS

### SURFACE APPLIED CLOSERS

<b>44CI SERIES COMPARISON FOOTPRINT CHART (5" X 2-1/4")</b>					
Advantage 8000	Arrow DC500	C.R. Laurance PR90	Cal Royal CR441	Calibre 4001	Cooper Creek/Bulldog CL8844
Deltana DC40	Design Hardware 416	EZ-Set DO 4	General Lock C9000	Global (Imperial USA) TC4300	Hager 5100
Harney Hardware DC8400	Independace 24040	Inox/Unison Hardware DC90	Lawrence Hardware LH8016	LCN 4040XP, 4041	LSDA DC6816
Marshall Best QDC-40	MaxGrade MDC100	Norton 410, 9540	Pamex GC4400	PDQ 7100	PLS DC1916
S. Parker 441BC	Seco-Larm SD-C101-SBBQ	Sentinel 4016	Stanley/K2 QDC100	Taymor 4000	Tell 900
Townsteel TDC40	Yale 5800				

<b>854, 855, 884, 885 SERIES COMPARISON FOOTPRINT CHART (9-1/6" X 3-1/4")</b>					
Advantage 4000-5000	Arrow 900N, DC300	C.R. Laurance DC54, DC55, PR40, PR80	Cal Royal 300, 500, 740, 750	Calibre 6504, 6505, 6804, 6805, 8001, 8002, 8003, 8854, 8855, 8884, 8885	Cooper Creek/Bulldog CL8400
Corbin Russwin DC4600	Deltana DC10	Design Hardware 116	Dexter Commercial DCL2000, DCR8000	Dorma 7200, 7300, U1500	Dorex 754, 755, 1700, 5400
EZ-Set DO 1, DO 74, DO 75, DO 513, DO 536	Falcon/Dor-O- Matic SC60, SC93, SC94	General Lock C3004, C3005, C5000	Global (Imperial USA) TC200	Hager 5300, 5400	Harney Hardware DC8900
Independace2 2014	Inox/Unison Hardware DC61	Lawrence Hardware LH5016	LCN 1250, 1260	LSDA DC84, DC724, DC914, DC925, DC6124	Marshall Best QDC-54, QDC-90
MaxGrade MDC300	Norton 160, 1600, 9300BC	Pamex GC8700	PDQ 3100	PLS DC230, DC330, DC340, DC1614, DC1636	Progressive K740
S. Parker 815BC, 950	Sargent 1131	Sargent-Bradford B81, B82502	Seco-Larm SD-C101-SGQ	Sentinel 5000	Stanley/K2 D1610, QDC300
Taymor 604, 694	Tell 500, 600	Townsteel TDC54, TDC90	Yale 50, 1100, 2300 (Discontinued)		

<b>853, 883 SERIES COMPARISON FOOTPRINT CHART (8-3/16" X 3-1/4")</b>						
Advantage 3000	C.R. Laurance DCS2, DC53	Cal Royal 720730	Calibre 6502, 6503, 8853, 8883	Dorex 752, 753	EZ-Set DO 502, DO 503, DO 504	General Lock C3003
Global (Imperial USA) TC2203	Lawrence Hardware LH503, LH534	Marshall Best QDC-53	Progressive K730	Sargent-Bradford B82302	Sentinel 5003	Townsteel TDC53

### 1800 SERIES COMPARISON FOOTPRINT CHART (9-1/6" X 3/4")

Advantage 4000-5000	Arrow 900N, DC300	C.R. Laurance DC54, DC55, PR40, PR80	Cal Royal 300, 500, 740, 750	Calibre 6504, 6505, 6804, 6805, 8001, 8002, 8003, 8854, 8855, 8884, 8885	Cooper Creek/ Bulldog CL8400	Corbin Russwin DC4600	Deltana DC10
Design Hardware 116	Dexter Commercial DCL2000, DCR8000	Dorma 7200, 7300, U1500	Dorex 754, 755, 1700, 5400	EZ-Set DO 1, DO 74, DO 75, DO 513, DO 536	Falcon/Dor-O-Matic SC60, SC93, SC94	General Lock C3004, C3005, C5000	Global (Imperial USA) TC200
Hager 5300, 5400	Harney Hardware DC8900	Independace 22014	Inox/Unison Hardware DC61	Lawrence Hardware LH5016	LCN 1250, 1260	LSDA DC84, DC724, DC914, DC925, DC6124	Marshall Best QDC-54, QDC-90
MaxGrade MDC300	Norton 160, 1600, 9300BC	Pamex GC8700	PDQ 3100	PLS DC230, DC330, DC340, DC1614, DC1636	Progressive K740	S. Parker 815BC, 950	Sargent 1131
Sargent-Bradford B81, B82502	Seco-Larm SD-C101-SGQ	Sentinel 5000	Stanley/K2 D1610, QDC300	Taymor 604, 694	Tell 500, 600	Townsteel TDC54, TDC90	Yale 50, 1100, 2300 (Discontinued)

### 5000-TP SERIES COMPARISON FOOTPRINT CHART (12" X 3/4")

Advantage 6000	Arrow 5016N	Cal Royal CR801	Calibre 5501, 5502, 5503	Design Hardware 316, 316R	Dexter Commercial DCM1000	Dorma 8600	EZ-Set DO 2
Falcon/ Dor-O-Matic SC80	General Lock C7000	Global (Imperial USA) TC400, TC500	Hager 5200	Harney Hardware DC8300	Inox/Unison Hardware DC85	Lawrence Hardware LH816	LCN 1450
LSDA DC6716	Marshall Best QDC-85	MaxGrade MDC200	Norton 210, 8000	Pamex GC6800	PDQ 5300, 5500	PLS DC1816	Sargent 1313
Seco-Larm SD-C101-SBAQ	Sentinel 9016	Stanley/K2 QDC200	Tell 800	Townsteel TDC85	Yale 2500 (Discontinued), 2700, 3000		

### 8000-TP Series Comparison Footprint Chart (9-1/6" x 3/4")

Advantage 4000-5000	Arrow 900N, DC300	C.R. Laurance DC54, DC55, PR40, PR80	Cal Royal 300, 500, 740, 750	Calibre 6504, 6505, 6804, 6805, 8001, 8002, 8003, 8854, 8855, 8884, 8885	Cooper Creek/ Bulldog CL8400	Corbin Russwin DC4600	Deltana DC10
Design Hardware 116	Dexter Commercial DCL2000, DCR8000	Dorma 7200, 7300, U1500	Dorex 754, 755, 1700, 5400	EZ-Set DO 1, DO 74, DO 75, DO 513, DO 536	Falcon/Dor-O-Matic SC60, SC93, SC94	General Lock C3004, C3005, C5000	Global (Imperial USA) TC200
Hager 5300, 5400	Harney Hardware DC8900	Independace 22014	Inox/Unison Hardware DC61	Lawrence Hardware LH5016	LCN 1250, 1260	LSDA DC84, DC724, DC914, DC925, DC6124	Marshall Best QDC-54, QDC-90
MaxGrade MDC300	Norton 160, 1600, 9300BC	Pamex GC8700	PDQ 3100	PLS DC230, DC330, DC340, DC1614, DC1636	Progressive K740	S. Parker 815BC, 950	Sargent 1131
Sargent-Bradford B81, B82502	Seco-Larm SD-C101-SGQ	Sentinel 5000	Stanley/K2 D1610, QDC300	Taymor 604, 694	Tell 500, 600	Townsteel TDC54, TDC90	Yale 50, 1100, 2300 (Discontinued)

### 9001-TP SERIES COMPARISON FOOTPRINT CHART (11-1/8" X 3/4")

Cooper Creek/Bulldog CL8600	Taymor 1900
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## SWINGING DOOR HARDWARE

**DT-1850, DH-1820-H, DH-1820-S,  
DL-4510 & FACEPLATES**  
Grade 2

## DEADLOCKS & DEADLATCHES



### DT-1850

- **DT-1850** "Long Throw" Deadlock
- **CYLINDER BACKSET AVAILABLE:**
  - 31/32", 1-1/8" and 1-1/2"
- Bolt 1-3/8" throw, made of 5 ply laminated steel with a hardened roller pin in a case hardened center ply for maximum security.
- Lock accepts standard 1-5/32" Mortise Key or Thumbtturn Cylinders with AR MS-Type cam
- **SPECIFY:** Cylinder Backset



### DH-1820-H • DH-1820-S

- **DH-1820-H** "Hook Bolt" Deadlock  
**DH-1820-S** "Short Throw" Deadlock
- **CYLINDER BACKSET AVAILABLE:**
  - DH-1820-H: 31/32", 1-1/8" and 1-1/2"
  - DH-1820-S: 1-1/8"
- Bolt 1 3/16" throw, made of 5 ply laminated steel with a hardened roller pin in a case hardened center ply for maximum security.
- Lock accepts standard 1-5/32" Mortise Key or Thumbtturn Cylinders with AR MS-Type cam
- **SPECIFY:** Cylinder Backset



### DL-4510

- **DL-4510** Deadlatch lock
- **CYLINDER BACKSET AVAILABLE:**
  - 31/32" and 1-1/8"
- Field reversible for opposite hand
- Key controlled dogging
- Latch bolt 1/2" throw, Chrome plated with Delrin insert for smooth, quiet latching
- Lock accepts standard 1-5/32" Mortise Key or Thumbtturn Cylinders with AR MS-Type cam
- **SS-4510** Strike included, US 26D
- **SPECIFY:** Cylinder Backset  
Hand if pre-handling required

### FACEPLATES 1"X6-7/8"

#### FACEPLATE FINISHES:

- AL - Anodized Satin Aluminum
- BK - Anodized Black
- DU - Anodized Bronze

**SPECIFY:** Part Number and Finish



For Use With:	Flat	Radius	Radius Weather-Stripping	Left Hand Beveled	Right Hand Beveled
DH-1820-H DH-1820-S	FP-1821	FP-1822	FP-1823	FP-1824	FP-1825
DT-1850	FP-1851	FP-1852	FP-1853	FP-1854	FP-1855
DL-4510	FP-4511	FP-4512	FP-4513	FP-4514	FP-4515

## DEADLOCKS & DEADLATCHES

### 31/32" OR 1-1/8" CYLINDER BACKSET

DH-1820-H	Hook Bolt Deadlock Only
DH-1821-H	Hook Bolt Deadlock, Flat Faceplate
DH-1822-H	Hook Bolt Deadlock, Radius Faceplate
DH-1823-H	Hook Bolt Deadlock, Radius Weatherstripped
DH-1824-H	Hook Bolt Deadlock, Left Hand Beveled Faceplate
DH-1825-H	Hook Bolt Deadlock, Right Hand Beveled Faceplate
DH-1820-S	Short Throw Deadlock, 1-1/8" Backset
DH-1821-S	Short Throw Deadlock, Flat Faceplate
DH-1822-S	Short Throw Deadlock, Radius Faceplate
DH-1823-S	Short Throw Deadlock, Radius Weatherstripped
DH-1824-S	Short Throw Deadlock, Left Hand Beveled Faceplate
DH-1825-S	Short Throw Deadlock, Right Hand Beveled Faceplate
DT-1850	Long Throw Deadlock Only
DT-1851	Long Throw Deadlock, Flat Faceplate
DT-1852	Long Throw Deadlock, Radius Faceplate
DT-1853	Long Throw Deadlock, Radius Weatherstripped
DT-1854	Long Throw Deadlock, Left Hand Beveled Faceplate
DT-1855	Long Throw Deadlock, Right Hand Beveled Faceplate
DL-4510	Deadlatch Only, Field Reversible
DL-4511	Deadlatch Deadlock, Flat Faceplate
DL-4512	Deadlatch Deadlock, Radius Faceplate
DL-4513	Deadlatch Deadlock, Radius Weatherstripped
DL-4514	Deadlatch Deadlock, Left Hand Beveled Faceplate
DL-4515	Deadlatch Deadlock, Right Hand Beveled Faceplate

### 1-1/2" CYLINDER BACKSET

DH-1820-H	Hook Bolt Deadlock Only
DH-1821-H	Hook Bolt Deadlock, Flat Faceplate
DH-1822-H	Hook Bolt Deadlock, Radius Faceplate
DH-1823-H	Hook Bolt Deadlock, Radius Weatherstripped
DH-1824-H	Hook Bolt Deadlock, Left Hand Beveled Faceplate
DH-1825-H	Hook Bolt Deadlock, Right Hand Beveled Faceplate
DT-1850	Long Throw Deadlock Only
DT-1851	Long Throw Deadlock, Flat Faceplate
DT-1852	Long Throw Deadlock, Radius Faceplate
DT-1853	Long Throw Deadlock, Radius Weatherstripped
DT-1854	Long Throw Deadlock, Left Hand Beveled Faceplate
DT-1855	Long Throw Deadlock, Right Hand Beveled Faceplate

## FACEPLATES

### FOR USE WITH

DH-1820-H DH-1820-S	DT-1850	DL-4510	
FP-1821	FP-1851	FP-4511	Flat
FP-1822	FP-1852	FP-4512	Radius
FP-1823	FP-1853	FP-4513	Radius Weatherstripped
FP-1824	FP-1854	FP-4514	Left Hand Beveled
FP-1825	FP-1855	FP-4515	Right Hand Beveled

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## SWINGING DOOR HARDWARE

### PADDLE HANDLE • CAM PLUG • LEVER HANDLE

### PADDLE & LEVER HANDLES

#### PH-4520 PADDLE HANDLE

- For use with DL-4510 type Latch Lock
- "Push" or "Pull" Paddle Handle
- Field reversible for opposite hand with PUSH and PULL Plates included
- Cam Plug, field reversible, included
- Extruded Aluminum Handle

#### Finishes Available:

- AL - Handle anodized Satin Aluminum Housing baked Satin Aluminum paint
- DU - Handle anodized Storefront Bronze Housing baked Storefront Bronze paint



#### CP-4560 CAM PLUG

- For use with HL-4560 Lever Handle and PH-4520 Paddle Handle
- Non-handed, field reversible

**Specify:** Model Number and Finish

#### ORDERING INFORMATION

PH-4521 PUSH To The Left	PH-4523 PULL To The Left
PH-4522 PUSH To The Right	PH-4524 PULL To The Right

**Specify:** Model Number and Finish

#### LEVER & PADDLE HANDLES

	DESCRIPTION
PH-4521	Paddle Handle with Cam Plug, "Push" to the Left
PH-4522	Paddle Handle with Cam Plug, "Push" to the Right
PH-4523	Paddle Handle with Cam Plug, "Push" to the Left
PH-4524	Paddle Handle with Cam Plug, "Push" to the Right
CP-4560	Cam Plug Only
HL-4560	Lever Handle with Cam Plug

#### HL-4560 LEVER HANDLE

- For use with DL-4510 type Latch Lock
- Cam Plug, field reversible.

#### Finishes Available:

- AL - Baked Satin Aluminum
- BK - Baked Black Paint
- DU - Baked Storefront Bronze Paint

**Specify:** Hand if pre-handling required Finish



## FLUSHBOLTS

### HARDWARE

## FLUSHBOLTS

### FB-1200 FLUSHBOLT

- 15/16" x 4-1/4" Radius Face
- Positive "U" joint actuator with 5/8" throw ..
- 1/8", 3/16" and 1/4" offset with 7/8" backset
- Rod length for 12" Centerline of face installation
- Square Nylon Tip with beveled corners fits in 1/2" square hole

#### Finishes Available:

- AL - Baked Satin Aluminum Paint
- BK - Baked Black Paint
- DU - Baked Storefront Bronze Paint

### ORDERING INFORMATION

FB-1201 1/8" offset, without guide

FB-1202 1/8" offset, with guide

FB-1203 1/4" offset, without guide

FB-1204 1/4" offset, with guide

FB-1205 3/16" offset, without guide

FB-1206 3/16" offset, with guide

**Specify:** Model Number Standard or Extended Hole Guide Finish

### FB-1201-K FLUSH BOLT

- 15/16" x 4-1/4" Radius Face
- Positive "U" joint actuator with 5/8" throw
- 1/8" offset with 11/16" backset
- Square Nylon Tip with beveled corners fits in 1/2" square hole

#### Finishes Available:

- AL - Baked Satin Aluminum Paint
- BK - Baked Black Paint
- DU - Baked Storefront Bronze Paint

### FG-1200 STANDARD FLUSH BOLT GUIDE

- For use with FB-1200 and FB-2200 Flush bolts



### FG-1250 EXTENDED HOLE FLUSH BOLT GUIDE

- For use with FB-1200 and FB-2200 Flush bolts



### FB-2200 FLUSH BOLT

- 15/16" x 4-1/4" Radius Face
- Positive "U" joint actuator with 7/8" throw
- 1/8" and 1/4" offset with 7/8" backset
- Rod length for 12" Centerline of face installation
- Square Nylon Tip with beveled corners fits in 1/2" square hole

#### Finishes Available:

- AL - Baked Satin Aluminum Paint
- BK - Baked Black Paint
- DU - Baked Storefront Bronze Paint

### ORDERING INFORMATION

FB-2201 1/8" offset, without guide

FB-2202 1/8" offset, with guide

FB-2203 1/4" offset, without guide

FB-2204 1/4" offset, with guide

**Specify:** Model Number Standard or Extended Hole Guide Finish

### ER-1200 FLUSH BOLT

#### EXTENSION ROD

- 1/4-20 x 12" Threaded rod
- Includes coupler

### FLUSH BOLTS

#### Positive "U" Joint Actuator with 5/8" Throw

FB-1201	1/8" Offset with 7/8" Backset, without Guide
FB-1202	1/8" Offset with 7/8" Backset, with Guide
FB-1203	1/4" Offset with 7/8" Backset, without Guide
FB-1204	1/4" Offset with 7/8" Backset, with Guide
FB-1205	3/16" Offset with 7/8" Backset, without Guide
FB-1206	3/16" Offset with 7/8" Backset, with Guide

#### Positive "U" Joint Actuator with 7/8" Throw

FB-2201	1/8" Offset with 7/8" Backset, without Guide
FB-2202	1/8" Offset with 7/8" Backset, with Guide
FB-2203	1/4" Offset with 7/8" Backset, without Guide
FB-2204	1/4" Offset with 7/8" Backset, with Guide

### FLUSH BOLT ACCESSORIES

ER-1200	Flush Bolt Extension Rod, 12"
FG-1200	Standard Flush Bolt Guide
FG-1250	Extended Hole Flush Bolt Guide
FR-1200-RM	Flush Bolt Rod with Round Tip
FR-1600-S	Flush Bolt Rod with Square Tip

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## THRESHOLD BOLT KITS

### HEADER BOLT SETS • HEADER SIGN

## THRESHOLD BOLTS

#### TB-4015 THRESHOLD BOLT KIT

For doors with cylinder height tip to 53-1/2", Threaded rod can be cut for cylinder heights lower than 53-1/2"

- Bolt 3/8" hexagon hardened steel
- 11/16" bolt throw
- Unit complete for attachment to basic Deadlock to provide two-point security

**Specify:** Model Number



#### TB-4016 THRESHOLD BOLT KIT

For doors with cylinder height 34" to 37"

- Bolt 3/8" hexagon hardened steel
- 11/16" bolt throw
- Unit complete for attachment to basic Deadlock to provide two-point security

**Specify:** Model Number



#### HB-4015-N SPECIAL HEADER BOLT SET

HB-4015-N Header Bolt Set is Standard for 83" Doors with Cylinder Heights of not less than 33"

ER-4015-N Extension Rod Kit is Available for 8'-9' Door Heights

#### HB-4085 HEADER BOLT SET

For doors 30-1/2" to 50" from Centerline of cylinder to top of door

#### TB-4015 THRESHOLD BOLT KIT

For doors 55-5/8" 72-1/2" from Centerline of cylinder to top of door

#### HB-4087 HEADER BOLT SET

For doors 67" to 89" from Centerline of cylinder to top of door

- Inactive leaf lock when used with basic long Throw Deadlock in active leaf
- 5/8" throw expanding bolt
- Minor adjustments can be made after installation
- Unit complete with Rod Guide and Header Strike

**Specify:** Model Number

#### HS-4090 HEADER SIGN

For doors 67" to 89" from Centerline of cylinder to top of door

- Inactive leaf lock when used with basic long Throw Deadlock in active leaf
- 5/8" throw expanding bolt
- Minor adjustments can be made after installation
- Unit complete with Rod Guide and Header Strike

**Specify:** Model Number

#### THRESHOLD BOLTS

TB-4015 Threshold Bolt Kit for up to 53-1/2" Cylinder Height

TB-4016 Threshold Bolt Kit for 34"-37" Cylinder Height

#### HEADER BOLTS

HB-4085 Header Bolt Set for 84" Height Door

HB-4086 Header Bolt Set for 96"-108" Height Door

HB-4087 Header Bolt Set for 120" Height Door

HB-4090 Header Sign

HB-4015-N Special Header Bolt Set

ER-4015-N Extension Rod Kit for 8'-9' Door Heights

## MORTISE & RIM CYLINDERS CYLINDER GUARD • LOCK INDICATOR

### CYLINDERS

#### CZ-1001 (ZINC) MORTISE KEY CYLINDER

- 1" Length 5 pin Cylinder 1-5/32" diameter
- AR MS-Type cam
- Keyway available:
  - Schlage "C", Yale "8"
  - Core face and Key US 26D
  - Cylinder ring 3/16" standard, 5/32" and 7/32" optional



**Finishes Available:** Specify: Keyway

- AL - Anodized Satin Aluminum
- BK - Anodized Black
- DU - Anodized Bronze

**Specify:** Cylinder ring type KA-2 or KA-(quantity) Finish

#### DC-2001 (ZINC) MORTISE DUMMY CYLINDER

- 7/8" Length Cylinder
- 1-5/32" diameter
- No Keyway or cam
- Cylinder ring 3/16" standard, 5/32" and 7/32" optional



**Finishes Available:** Specify: Cylinder ring type

- AL - Anodized Satin Aluminum
- BK - Anodized Black
- DU - Anodized Bronze

**Specify:** Cylinder ring type

#### RZ-1003 (ZINC) RIM CYLINDER

- 5 pin Cylinder
- Core face and Key US 26D
- Schlage "C" Keyway
- Low profile Cylinder ring and adaptor plate standard
- 1-7/8" Break-away screws and 1-1/4" Break-away Spindle standard



**Finishes Available:**

- AL - Anodized Satin Aluminum
- BK - Anodized Black
- DU - Anodized Bronze

**Specify:** Finish

### CYLINDERS

CZ-1001	Pair of Mortise Key Cylinders (Zinc) with 2 Keys & 2 Rings
DC-2001	Mortise Dummy Cylinder (Zinc) with Ring
RZ-1003	Rim Cylinder (Zinc) with 2 Keys & Ring
TZ-3001	Mortise Thumbturn Cylinder (Zinc) with Ring
CG-4043	Cylinder Guard Set
CR-1155	5/32" Cylinder Ring
CR-1195	Standard Cylinder Ring
CR-1215	7/32" Cylinder Ring

#### CZ-1001 (ZINC) MORTISE KEY CYLINDER

- 1" Length Cylinder 1-5/32" diameter
- AR MS-Type cam
- Thumbturn US 26D
- Cylinder ring 3/16" standard, 5/32" and 7/32" optional

**Finishes Available:** Specify: Keyway

- AL - Anodized Satin Aluminum
- BK - Anodized Black
- DU - Anodized Bronze

**Specify:** Cylinder ring type



#### CG-4043 CYLINDER GUARD

- Hardened steel security ring
- Free-spinning beveled collar
- For standard face 5 pin Mortise key cylinder
- For use on Aluminum
- Furnished with retaining clip and two spacers

**Finishes Available:**

- AL - Baked Satin Aluminum Paint
- BK - Baked Black Paint
- DU - Baked Storefront Bronze Paint

**Specify:** Finish



#### LI-4089 LOCK INDICATOR SET

- For use with DH-1820 and DT-1850 type Deadlocks
- LOCKED in red and OPEN in green letters on white background

**Finishes Available:**

- AL - Baked Satin Aluminum Paint
- BK - Baked Black Paint
- DU - Baked Storefront Bronze Paint

**Specify:** Finish



#### LOCK INDICATOR SET

DC-2001	Lock Indicator Only
RZ-1003	Lock Indicator Set

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## DOOR PULLS & PUSH BARS

### HARDWARE

## DOOR PULLS & PUSH BARS

### OFFSET DOOR PULL PH-4000

- 1" Diameter Solid Aluminum Round
- 3-1/4" Offset
- Projection 3-1/4"
- Door Clearance 2-1/4"
- CTC 9", 10" and 12"
- Anodized Finishes AL & DU (Storefront Bronze)
- Other Finishes Available on Request
- Mounting Hardware Include

**Specify:** Length, Finish & Mounting Hardware (T1 or T6)



### OFFSET PULL SET PH-4000-2

- 1" Diameter Solid Aluminum Round
- 3-1/4" Offset
- Projection 3-1/4"
- Door Clearance 2-1/4"
- CTC 9", 10" and 12"
- Anodized Finishes AL & DU (Storefront Bronze)
- Other Finishes Available on Request
- Mounting Hardware Included (T5)

**Specify:** Length and Finish

### OFFSET PULL & DOUBLE BEND PUSH BAR SET PP-2000

- 1" Diameter Solid Aluminum Round
- Projection: See Pull/Push Specifications
- CTC: See Pull/Push Specifications
- Anodized Finishes AL & DU (Storefront Bronze)
- Other Finishes Available on Request
- Mounting Hardware Included

**Specify:** Length, Finish & Mounting Hardware



### OFFSET PULL & SINGLE BEND PUSH BAR SET PP-1000

- 1" Diameter Solid Aluminum Round
- Projection: See Pull/Push Specifications
- CTC: See Pull/Push Specifications
- Anodized Finishes AL & DU (Storefront Bronze)
- Other Finishes Available on Request
- Mounting Hardware Included

**Specify:** Length, Finish & Mounting Hardware



### SINGLE BEND PUSH BAR PB-1000 DOUBLE BEND PUSH BAR PB-2000

- 1" Diameter Solid Aluminum Round
- Projection 2-1/4" with 1-1/4" Door Clearance
- CTC 33-1/16", 39-1/16" and 45-1/16"
- Anodized Finishes AL & DU (Storefront Bronze)
- Other Finishes Available on Request
- Mounting Hardware Included

**Specify:** Length, Finish & Mounting Hardware (T1 or T6)



### MOUNTING HARDWARE FOR VARIOUS COMBINATIONS

- Single Push/Pull: Specify either T1 Thru Bolt, or T6 Concealed Mount
- Push/Pull Sets: Back to Back at Bottom of Pull, Thru Bolts on free ends

### OFFSET PULL HANDLES

PH-4000-9	CTC 9"
PH-4000-10	CTC 10"
PH-4000-12	CTC 12"
PH-4000-2-9	CTC 9" Set
PH-4000-2-10	CTC 10" Set
PH-4000-2-12	CTC 12" Set

### PUSH BARS

PB-1000-33	CTC 33-1/16", Single Bend
PB-1000-39	CTC 39-1/16", Single Bend
PB-1000-45	CTC 45-1/16", Single Bend
PB-2000-33	CTC 33-1/16", Double Bend
PB-2000-39	CTC 39-1/16", Double Bend
PB-2000-45	CTC 45-1/16", Double Bend

## KICK DOWN HOLDERS

### HARDWARE

DH-6000



#### DH-6000

- Zinc Alloy Construction
- Non-Marking Rubber Tip
- 7" Body Height
- Mounting Screws Included:
  - (2) #10 x 1-1/2" Flat Head Wood / Sheet Metal Screws
  - (1) #10 x 1/2" Flat Head Wood / Sheet Metal Screws
  - (2) #10 x 1-1/2" Self Drilling / Self Tapping Screws
  - (1) #10 x 1/2" Self Drilling / Self Tapping Screws
- Weight 1lb.

#### Finishes Available:

- AL - Aluminum
- DU- Storefront Bronze

#### DH-6000-TIP

- Replacement Rubber Tip



## KICK DOWN HOLDERS

DH-6000	Heavy Duty Kick Down Holder
DH-6000-TIP	Replacement Rubber Bottom Tip

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## PIVOT SETS

### OFFSET • INTERMEDIATE • CENTER HUNG

## PIVOTS

#### OP-7000 OFFSET PIVOT SET (KAWNEER TYPE)

- A380 Precision die cast aluminum
- Oilite bronze bushing in top frame portion
- Full race ball bearing in bottom door portions
- Door height adjustable by bottom door portion
- Case hardened stud in floor/jamb portion
- Includes steel reinforcement plates for the door portions



**Top Frame Pivot Portion**  
(includes fasteners)

Kawneer P/N 50-321

**Top Door Pivot Portion**  
(includes fasteners and reinforcement plate)

Kawneer P/N 50-320

#### Finishes Available:

- AL - Baked Satin Aluminum Paint
- BK- Baked Black Paint
- DU- Baked Storefront Bronze Paint



**Bottom Door Pivot Portion**  
(includes fasteners and reinforcement plate)

Kawneer P/N 50-323

**Floor/Jamb Pivot Portion**  
(includes fasteners)

Kawneer P/N 50-325(LH)

Kawneer P/N 50-324(RH)

**Specify:** Model Number and Finish

#### IP-1900 INTERMEDIATE PIVOT SET

3/4" Offset for use with Aluminum Doors and Frames

- Full race ball bearing backed by an oilite bronze bushing in the door portion
- Case hardened pin in jamb portion fully retractable for ease of installation
- Easy vertical adjustment
- Precision Aluminum die cast
- For doors up to 125lbs.

#### Finishes Available:

- AL- Baked Satin Aluminum Paint
- BK- Baked Black Paint
- DU- Baked Storefront Bronze Paint

#### Ordering Information

IP-1901 Left

IP-1902 Right

**Specify:** Model Number and Finish



#### IP-2200 INTERMEDIATE PIVOT SET

3/4" Offset for use with Aluminum Doors and Frames

- Full race ball bearing backed by an oilite bronze bushing in the door portion
- Case hardened pin in jamb portion fully retractable for ease of installation
- Easy vertical adjustment
- Precision Aluminum die cast
- For doors up to 125lbs.

#### Finishes Available:

- AL- Baked Satin Aluminum Paint
- BK- Baked Black Paint
- DU- Baked Storefront Bronze Paint



#### Ordering Information

IP- 2201 Left

IP- 2202 Right

**Specify:** Model Number and Finish

#### INTERMEDIATE PIVOT SETS

IP-1900 Series | Mortised

IP-2200 Series | Slotted

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## OFFSET PIVOT SET

3/4" Offset for use with Aluminum Doors and Frames

- Oilite bronze bushing in top frame portion
- Case hardened, spring loaded pin in top door portion (case hardened fixed pin In Series 5000 top door portion)
- Full race ball bearing in bottom door portion
- Case hardened stud in floor/jamb portion (stainless steel stud In Series 5000 floor/jamb portion)
- 1/8" vertical adjustment
- For doors up to 125 lbs.

### Finishes Available:

- AL - Baked Satin Aluminum Paint
- BK- Baked Black Paint
- DU- Baked Storefront Bronze Paint

**Specify:** Model Number and Finish

### OFFSET PIVOT SETS

OP-2000 Series	Flush or Recessed Door
OP-3000 Series	Flush or Recessed Door
OP-4000 Series	Flush Doors
OP-5000 Series	1/8" Recessed Doors
OP-6000 Series	7/64" Recessed Doors
OP-7000 Series	Kawneer Type

SERIES 2000	SERIES 3000	SERIES 4000	SERIES 5000	SERIES 6000	SERIES 7000
					
<b>OP-2700</b> (Non-Handed) Flush Door  <b>OP-2800</b> (Non-Handed) 1/8" Recessed Door	<b>OP-3001</b> Left Flush Door  <b>OP-3002</b> Right Flush Door  <b>OP-3101</b> Left 1/8" Recessed Door  <b>OP-3102</b> Right 1/8" Recessed Door	<b>OP-4001</b> Left Flush Door  <b>OP-4002</b> Right Flush Door	<b>OP-5001</b> Left 1/8" Recessed Door  <b>OP-5002</b> Right 1/8" Recessed Door	<b>OP-6001</b> Left 7/64" Recessed Door  <b>OP-6002</b> Right 7/64" Recessed Door	<b>OP-7001</b> Left 1/8" Recessed Door  <b>OP-7002</b> Right 1/8" Recessed Door
SEE CROSSOVER REFERENCE CHART ON NEXT PAGE					
Jackson 27 Jackson 28 Sun Valley All American Entrance Tech Rebco West	Tubelite* Arcadia All American Arch Aluminum Commercial Arch. Pacific Western Rebco Southwest Alum.	US Aluminum Sun Valley A Door MFG. Entrance Tech.	Aldora	Arch Aluminum Armalite Wells Aluminum	Kawneer

\* Non-Adjustable Old Type

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## CROSS REFERENCE CHART

### JACKSON-SOMACA-CRL

**PIVOTS**

**Jackson-Somaca-CRL Pivot Crossover Reference Chart**

APPLICATION	"OLD" JACKSON PART NO.	"OLD" SOMACA PART NO.	JACKSON CRL PART NO.
<b>Amarlite, Arch Aluminum, Rebco</b>	41J40L628 41J40L313 41J40R628 41J40R313	3184462 3184363 3184461 3184361	OP40LHA OP40LHDU OP40RHA OP40RHDU
<b>Arcadia, Arch Aluminum, Tubelite, Vistawall</b>	41J30L628 41J26L313 41J30R628 41J30R313	3184430 3184330 3184429 3184329	OP30LHA OP30LHDU OP30RHA OP30RHDU
	41J31L628 41J31L313 41J31R628 41J31R313	3184432 3184332 3184431 3184331	OP31LHA OP31LHDU OP31RHA OP31RHDU
<b>Atlas Arch</b>	41J43L628 41J43L313 41J43R628 41J43R313	3184447 3184347 3184446 3184346	41J43L628 41J43L313 41J43R628 41J43R313
<b>Arch Aluminum</b>	N/A N/A N/A N/A	N/A N/A N/A N/A	OP50LHA OP50LHDU OP50RHA OP50RHDU
<b>Automatics, Besam</b>	41J27628 41J27313	3184423 3184323	OP27NHA OP27NHDU
	41J28628 41J28313	3184428 3184328	OP28NHA OP28NHDU
<b>Pittco, PPG</b>	41J41L628 41J41L313 41J41R628 41J41R313	3184442 3184342 3184441 3184341	OP41LHA OP41LHDU OP41RHA OP41RHDU
<b>U.S. Aluminum</b>	41J25L628 41J25L313 41J25R628 41J25R313	3184421 3184421 3184420 3184320	41J25L628 41J25L313 41J25R628 41J25R313
	41J26L628 41J26L313 41J26R628 41J26R313	3184427 3184327 3184426 3184326	41J26L628 41J26L313 41J26R628 41J26R313
	41J34L628 41J34L313 41J34R628 41J34R313	3184460 3184360 3184459 3184359	OP34LHA OP34LHDU OP34RHA OP34RHDU



## CENTER HUNG PIVOTS

### STAINLESS STEEL PIVOTS

PIVOTS

#### CENTER HUNG PIVOTS

- Pivot sets include top and bottom pivots. All center hung pivot sets are non-handed and double acting. Intermediate pivots are not used. Center hung pivots are not allowed with labeled doors. Door must be reduced on pivot edge. All sets are available in standard architectural finishes.

#### 400 SERIES

##### Frame Portion Top Pivot



##### 400-PF

- Mounting Holes  
Drilled & Countersunk

##### 400-PF1

- Mounting Holes  
Drilled & Countersunk

##### Specify:

- Model Number and Finish

##### Door Portion Top Pivot



##### 400-PD

##### Specify:

- Model Number and Finish

##### Dress Plate Frame Portion



##### 400-PC

- For use with 400-PF1 Top Pivot

##### Specify:

- Model Number and Finish

##### Finishes Available:

- AL- Painted Satin Aluminum
- DU- Painted Storefront Bronze

#### CENTER HUNG PIVOTS

400-PF	Mounting Holes Drilled & Tapped
400-PF1	Mounting Holes Drilled & Countersunk
400-PC	Dress Plate For 400-PF1
400-PD	Door Portion Top Pivot



## CONTINUOUS HINGES

### ALUMINUM CONCEALED/MORTISE GEARED HINGES

## GEAR HINGES



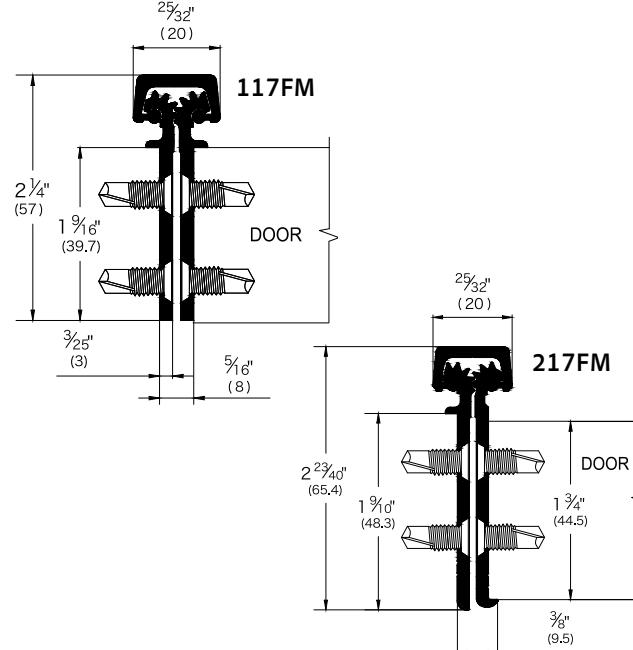
### CONCEALED/MORTISE LEAF HINGES

- Any Door Material
- Heavy Duty for high frequency 1 3/4" doors or heavy medium frequency doors up to 450lbs.
- 117FM (Heavy Duty), 217FM (Heavy Duty)

MODEL		LENGTH		SCREW COUNT		CLEARANCE
C (Clear Anodized)	D (Duro Anodized)	IN	CM	DOOR	JAMB	
117FMC-83	117FMD-83	83	210.8	19	19	5/16" (8mm) hinge side plus standard lockside clearance
117FMC-95	117FMD-95	95	241.3	21	21	
117FMC-120	117FMD-120	120	304.8	27	27	
217FMC-83	217FMD-83	83	210.8	19	19	
217FMC-95	217FMD-95	95	241.3	21	21	
217FMC-120	217FMD-120	120	304.8	27	27	

\*Note: First 3 numbers = (Product #), FM = (Full Mortise), C or D = (Finish), 83, 95 & 120 = (Length)

FASTENERS: (Self-Tapping Screws)	<ul style="list-style-type: none"> <li>• All fasteners as No. 12-24 x 1/16" Type C, FHUC</li> <li>• Heavy Duty Hinges - 10 required for each leaf</li> </ul>
LENGTH OPTIONS:	83", 95" & 120"
DOOR REINFORCEMENT:	<ul style="list-style-type: none"> <li>• None needed to 200 lbs</li> <li>• Use 16 gauge channel over 200 lbs</li> </ul>
FRAME REINFORCEMENT:	<ul style="list-style-type: none"> <li>• None needed to 200 lbs</li> <li>• Use 16 gauge channel over 200 lbs</li> </ul>
FIRE RATING:	Up to 3 Hours
SPECIAL FEATURES:	<ul style="list-style-type: none"> <li>• For new construction</li> <li>• For renovation with new door and / or frames</li> <li>• No mortising of doors or frames required</li> <li>• Will cover hinge cut outs in frames</li> <li>• Flush mount no inset</li> <li>• Frame and door leaf alignment ribs for proper hinge location</li> </ul>
STANDARD FINISHES:	<ul style="list-style-type: none"> <li>• C (Clear Anodized Aluminum), D (Duro Anodized Aluminum)</li> </ul>
SPECIAL ORDER FINISHES:	<ul style="list-style-type: none"> <li>• BL (Black Anodized Aluminum)</li> </ul>



FULL CONCEALED ALUMINUM CONTINUOUS GEARED HINGES		
117FMC	C-Finish	Full Concealed
117FMD	D-Finish	Full Concealed
217FMC	C-Finish	Full Concealed, Mortise Geared Hinge
217FMD	D-Finish	Full Concealed, Mortise Geared Hinge

## CONTINUOUS HINGES

### ALUMINUM FULL SURFACE GEARED HINGES

### GEAR HINGES



#### FULL SURFACE HINGES

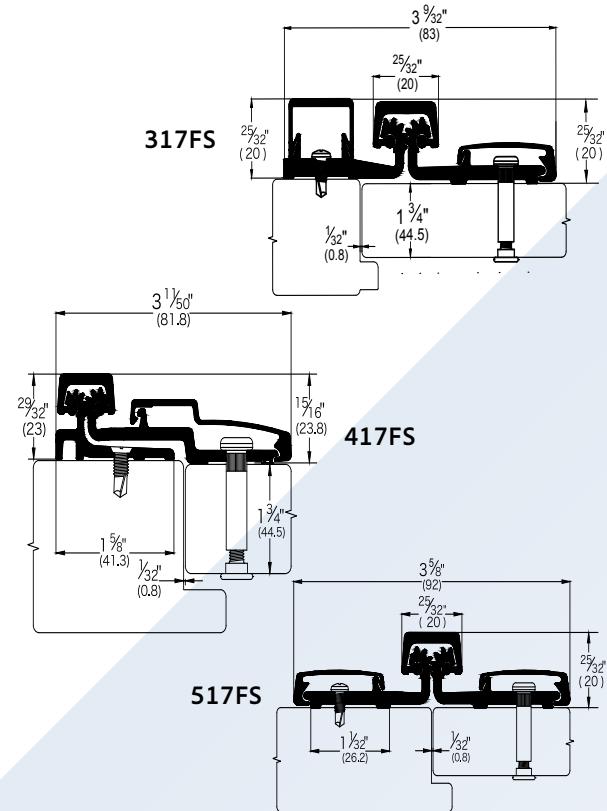
- Any Door Material
- Heavy Duty for high frequency 1 3/4" doors or heavy medium frequency doors up to 450lbs.
- 317FS (Heavy Duty), 417FS (Heavy Duty), 517FS (Heavy Duty)

MODEL		LENGTH		SCREW COUNT		CLEARANCE
C (Clear Anodized)	D (Duro Anodized)	IN	CM	DOOR	JAMB	
317FSC-83	317FSD-83	83	210.8	19	19	1/32" (1mm) minimum recommended for hinge side plus standard lockside clearance
317FSC-95	317FSD-95	95	241.3	20	20	
317FSC-120	317FSD-120	120	304.8	26	26	
417FSC-83	417FSD-83	83	210.8	19	19	1/32" (1mm) minimum recommended for hinge side plus standard lockside clearance 1 5/8" (41mm) minimum frame face required plus 3/16" (5mm) rotational clearance
417FSC-95	417FSD-95	95	241.3	20	20	
417FSC-120	417FSD-120	120	304.8	26	26	
517FSC-83	517FSD-83	83	210.8	19	19	1/32" (1mm) minimum required between doors
517FSC-95	517FSD-95	95	241.3	20	20	
517FSC-120	517FSD-120	120	304.8	26	26	

\*Note: First 3 numbers = (Product #), FS = (Full Surface), C or D = (Finish), 83, 95 & 120 = (Length)

FASTENERS: (Self-Tapping Screws)	FRAME PORTION • All fasteners as No. 12-24 x 1/16" Type C, FHUC - Heavy Duty Hinges - 10 required for each leaf DOOR PORTION • Thribolt 1/4-20 x 1 5/8" PCH - Heavy Duty Hinges - 6 required for each leaf • Shoulder bolt 1/4 - 20 x 1" PCH - Heavy Duty Hinges - 6 required • Pan Head Self Drilling No. 12 x 3/4" - Heavy Duty Hinges - 4 required
LENGTH OPTIONS:	83", 95" & 120"
DOOR REINFORCEMENT:	• None needed
FRAME REINFORCEMENT:	• None needed to 200 lbs • Use 16 gauge channel over 200 lbs
FIRE RATING:	Up to 3 Hours
SPECIAL FEATURES:	• Replacement for existing doors and frames • 7/8" minimum frame • 1/16" inset
STANDARD FINISHES:	
• C (Clear Anodized Aluminum), D (Duro Anodized Aluminum)	
SPECIAL ORDER FINISHES:	
• BL (Black Anodized Aluminum)	

FULL SURFACE ALUMINUM CONTINUOUS GEARED HINGES		
317FSC	C-Finish	Full Surface
317FSD	D-Finish	Full Surface
417FSC	C-Finish	Full Surface
417FSD	D-Finish	Full Surface
517FSC	C-Finish	Full Surface
517FSD	D-Finish	Full Surface



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## CONTINUOUS HINGES

### ALUMINUM HALF SURFACE GEARED HINGES

## GEAR HINGES

#### HALF SURFACE HINGES

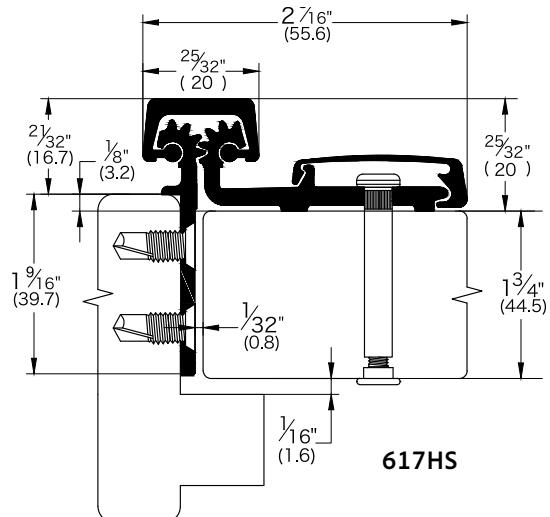
- Any Door Material
- Heavy Duty for high frequency 1 3/4" doors or heavy medium frequency doors up to 450lbs.
- 617HS (Heavy Duty)



MODEL		LENGTH		SCREW COUNT		CLEARANCE
C (Clear Anodized)	D (Duro Anodized)	IN	CM	DOOR	JAMB	
617HSC-83	617HSD-83	83	210.8	19	19	5/16" (8mm) hinge side plus standard lockside clearance
617HSC-95	617HSD-95	95	241.3	20	20	
617HSC-120	617HSD-120	120	304.8	26	26	

\*Note: First 3 numbers = (Product #), HS = (Half Surface), C or D = (Finish), 83, 95 & 120 = (Length)

FASTENERS: (Self-Tapping Screws)	FRAME PORTION • All fasteners as No. 12-24 x 1/16" Type C, FHUC - Heavy Duty Hinges - 10 required for each leaf DOOR PORTION • Thrubolt 1/4-20 x 1 5/8" PCH - Heavy Duty Hinges - 6 required for each leaf • Shoulder bolt 1/4 - 20 x 1" PCH - Heavy Duty Hinges - 6 required • Pan Head Self Drilling No. 12 x 3/4" - Heavy Duty Hinges - 4 required
LENGTH OPTIONS:	83", 95" & 120"
DOOR REINFORCEMENT:	• None needed
FRAME REINFORCEMENT:	• None needed to 200 lbs • Use 16 gauge channel over 200 lbs
FIRE RATING:	Up to 3 Hours
SPECIAL FEATURES:	• For new construction • For renovation with new door and / or frames • No mortising of doors or frames required • Will cover hinge cut outs in frames • Flush mount no inset • Frame and door leaf alignment ribs for proper hinge location
STANDARD FINISHES:	• C (Clear Anodized Aluminum), D (Duro Anodized Aluminum)
SPECIAL ORDER FINISHES:	• BL (Black Anodized Aluminum)



#### HALF SURFACE ALUMINUM CONTINUOUS GEARED HINGES

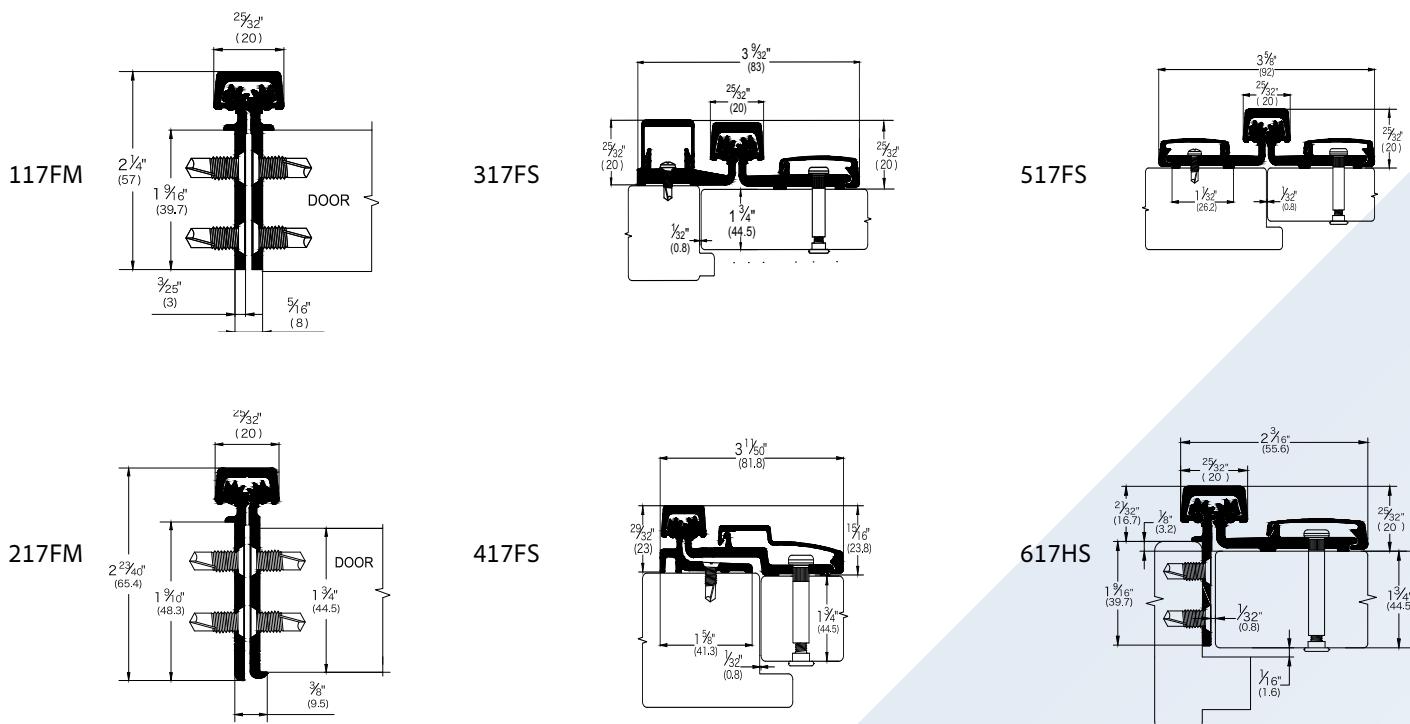
617HSC	C-Finish	Full Surface
617HSD	D-Finish	Full Surface

**CROSS REFERENCE CHART**  
**CONTINUOUS GEAR HINGES**

**GEAR HINGES**

**CONTINUOUS GEAR HINGES CROSS REFERENCE CHART**

TYPE	IDC	ABH	PBB	PHOENIX	PRECISION	NGP	ROTON	SELECT	PEMKO	MCKINNEY	STANLEY	IVES
Full Concealed	117FM	A110HD	CG31	GHHD112	GHHD112	HD1100	780-112HD	SL11 HD	FMSLF-HD1	MCK12HD	661HD	112HD
Full Concealed Mortise Leaf	217FM	A240HD	CG31L	GHHD224	GHHD224	HD2400	780-224HD	SL24 HD	FM-HD1	MCK25HD	662HD	224HD
Full Surface	317FS	A570HD	CG33N	GHHD157	GHHD157	HD5700	780-157HD	SL57 HD	FSCP-HD1	MCK58HD	664HD	157XY
Full Surface	417FS	A210HD	CG33C	GHHD210	GHHD210	HD2100	780-210HD	SL21 HD	FS-HD1	MCK22HD	665HD	210HD
Full Surface	517FS	A571HD	-	GHHD057	GHHD057	-	780-057HD	-	-	-	-	-
Half Surface	617HS	A540HD	CG34	-	-	HD5400	780-054HD	SL54 HD	HS-HD1	MCK54HD	663HD	054HD



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## COMMERCIAL GRADE EXIT DEVICE Grade 2

5000 SERIES

International Door Closers IDC 5000 Series Exit Devices meet the Life and Fire Safety Codes as prescribed by UL and ANSI / BHMA 156.3 standards. These durable devices are designed for both standard and commercial applications. The 5000 Series were tested and approved by Underwriters Laboratories (UL, USA and ULC, Canada) and listed to comply with UL 10C, and Uniform Building Code Standard 7-2, "Fire Test of Door Assemblies" (1997).



### FEATURES

- All devices are non-handed design
- Auxiliary guarded latch deadlocks latch bolt automatically locks when the door is closed
- High shock-resistant latching mechanical design for protection from vandalism
- All inside components are made of high rust-resistant alloy or heavy electroplated steel
- Baked powder coating, electroplated or architectural base finishes are used on all exposed surfaces
- Outside trims are provided by rose and escutcheon lever or knob in a variety of styles
- All trim, features a through-bolted design to the devices that allow easy installation but not to compromise on security
- With a dogging mechanism, users have a choice of hex-key or cylinder operated design for a positive push-pull door action during peak traffic time

RIM TYPE	DESCRIPTION	US28 (689)	US20A (690)
5510S	Panic Rated, 36"	Available	Available
5610S	Panic Rated, 36", Narrow Design	Available	Available
5510S	Panic Rated, 48"	Available	Available
5610S	Panic Rated, 48", Narrow Design	Available	Available
5510F	Fire Rated, 36"	Available	Available
5610F	Fire Rated, 36", Narrow Design	Available	Available
5510F	Fire Rated, 48"	Available	Available
5610F	Fire Rated, 48", Narrow Design	Available	Available
SURFACE VERTICAL ROD TYPE			
5530S	Panic Rated, 36"	Available	Available
5630S	Panic Rated, 36", Narrow Design	Available	Available
5530S	Panic Rated, 48"	Available	Available
5630S	Panic Rated, 48", Narrow Design	Available	Available
5530F	Fire Rated, 36"	Available	Available
5630F	Fire Rated, 36", Narrow Design	Available	Available
5530F	Fire Rated, 48"	Available	Available
5630F	Fire Rated, 48", Narrow Design	Available	Available

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**5510S Panic Rim Exit Device**  
**5510F Fire Rim Exit Device**



**5610S Narrow Design**  
**Panic Rim Exit Device**



**5530S Panic SVR Exit Device**  
**5530F Fire SVR Exit Device**



**5630S Narrow Design**  
**Panic SVR Exit Device**

**5510 SERIES RIM EXIT DEVICE**  
**5530 SERIES SVR EXIT DEVICE**

These two series models are wide stile design,  
UL listed Panic Hardware or Fire Exit Hardware.

**Rim Type- Ideally suited for:**

- Any single exterior doors
- Any panic or fire rated interior single door and all exit doors in factories, hospitals, apartments, office buildings
- Indoor parking lots

**SVR Type- Ideally suited for:**

- Any pairs of emergency exit doors
- Pairs of doors in cross-corridors
- Double egress applications
- Passage doors in hospitals, factories or any public buildings

**5610 NARROW DESIGN PANIC RIM DEVICE**  
**5630 NARROW DESIGN PANIC SVR DEVICE**

These two models are narrow stile design,  
UL listed Panic Hardware

**Rim Type and SVR Type**

**Both Types- Ideally suited for:**

- Glass door
- Aluminum entrance doors
- Passage doors
- Full glass doors in stores, resorts and hotels

**5000 SERIES STRIKES (CALL FOR AVAILABILITY)**

531	Strike Shim for 5510/5610
532	Panic Rim Strike for 5510/5610
533	Fire Rim Strike for 5510
534	Top Strike for 5630
537	Bottom Strike for 5630

**5000 SERIES OPTIONS (CALL FOR AVAILABILITY)**

FL001	Fire Latch Bolt
CD	Keyed Cylinder Dogging
426	Rim Cylinder
526	Mortise Cylinder
208	Interchangeable Core, Mortise Cylinder
308	Interchangeable Core, Rim Cylinder

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## RIM EXIT DEVICES

### WIDE DESIGN EXIT DEVICES

**RIM EXIT DEVICES**

**MODEL 5510S PANIC-RATED RIM EXIT DEVICE - FOR WIDE DESIGN AND FLUSH DOORS USE**  
**MODEL 5510F FIRE-RATED RIM EXIT DEVICE - FOR WIDE DESIGN AND FLUSH DOORS USE**



#### Application

- For use on single or double doors with mullion (Fire rated device must use on 4' x 8' single or up to an 8' x 8' double fire labeled doors).
- Fits for 1 3/4" (44mm) thick standard RHR or LHR hollow metal doors & wood doors. Other than standard an 1 3/4" is available but specify door thickness when ordering.
- Minimum Stile width: 3 1/2" (90mm)



#### 531 Strike Shim

Furnished with 532 Strike together made of steel and is plated. This shim is 1/8" thick and is used to prepare doors with a 1/2" stop. This will correct the distance between the device latch and the surface. If the frame has a 5/8" stop a shim is not needed.



#### 532 Panic Rim Strike

Surface applied standard on 5000 Series panic rim exit devices. Stainless Steel with a plated roller.



#### 533 Fire Rim Strike

Surface applied. Standard on 5000 Series fire rim devices. It is 100% stainless steel including a roller.

5000 SERIES STRIKES (CALL FOR AVAILABILITY)	DESCRIPTION
531	Strike Shim for 5510/5610
532	Panic Rim Strike for 5510/5610
533	Fire Rim Strike for 5510
534	Top Strike for 5630
537	Bottom Strike for 5630

#### Specifications

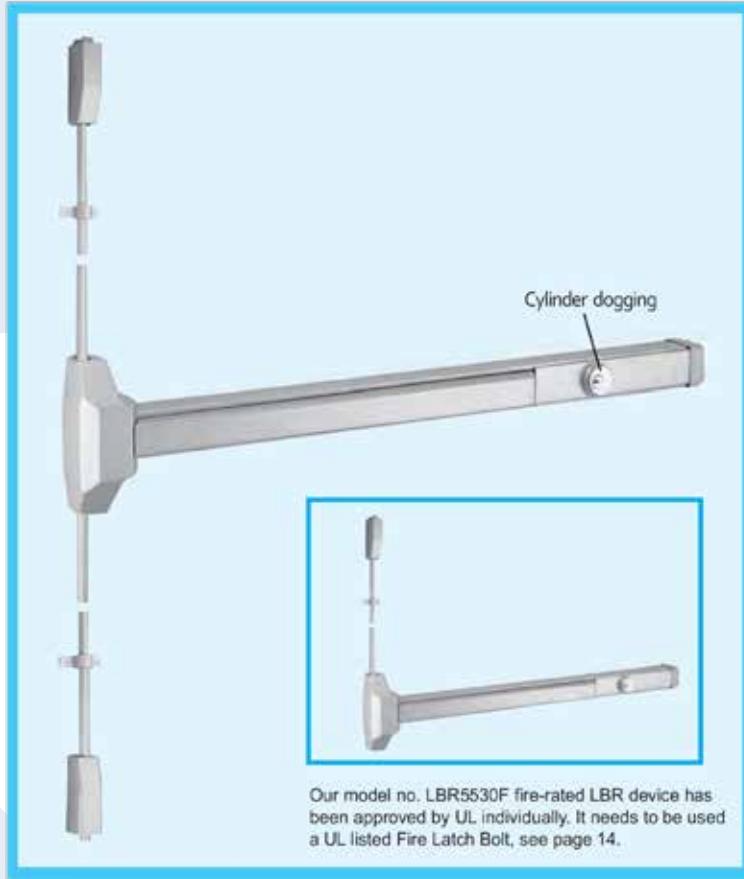
Device Head Cover	Stainless Steel, nonferrous alloy
Chassis	Steel plated
Mechanism Housing	Steel or Stainless Steel
Push Bar	Steel or Stainless Steel
End Cap	Steel or Stainless Steel
Latch Bolt	100% Stainless Steel, dead locking type with an 11/16" throw
Deadlocking Latch	100% Stainless Steel with 5/8" (16mm) throw
Strikes	531 & 532 Rim (panic rated) 533 Rim (fire rated)
Handing	Non-handed
Mounting Fasteners	Machine screws furnished standard Sext Nut & Bolt (SNB) are required for wood doors. Order SNB separately including standard.
Dogging*	Hex key dogging standard (Allen-type key furnished)
Dogging Options	Cylinder dogging or less dogging
Finish	US28 (689) and US20A (690)
Dimension	See Spec. Sheet
Device Length	See Spec. Sheet
UL Listed	For Panic Hardware, see model 500SA For Fire Exit Hardware, see model 510AF

\*Fire rated SVR device has no mechanical dogging.  
(Dogging device is not permitted on fire-rated exit device)

# SURFACE VERTICAL ROD EXIT WIDE DESIGN EXIT DEVICES

## RIM EXIT DEVICES

MODEL 5530S PANIC-RATED SVR EXIT DEVICE - FOR WIDE DESIGN AND FLUSH DOORS USE  
MODEL 5530F FIRE-RATED SVR EXIT DEVICE - FOR WIDE DESIGN AND FLUSH DOORS USE



### Application

- For use on all single doors or double doors where two-point latch is desirable (inactive leaf of double door). Fire rated device must use on 4' x 8' single or 8' x 8' double fire labeled doors.
- Fits for 1 3/4" (44mm) thick standard non-handed hollow metal and wood doors, other than standard 1 3/4" is available but specify door thickness when ordered.
- Minimum Door Stile width: 3 1/2" (90mm)



#### 534 Top Strike

Applied to surface of stop.  
Hardened steel and plated.



#### 537 Bottom Strike

Applied to surface of floor.  
Nonferrous alloy and plated.

### Specifications

Device Head Cover	Stainless Steel, nonferrous alloy
Chassis	Steel, stainless steel
Mechanism Housing	Steel or Stainless Steel
Push Bar	Steel or Stainless Steel
End Cap	Steel or Stainless Steel
Latch Bolt	100% stainless steel, 1/2" (13mm) throw
Latch Case Covers	Steel, stainless steel
Vertical Rods	Tubular aluminum with rod guides
Strikes	Top 534, Bottom 537
Handing	Non-handed

Mounting Fasteners	Machine screws furnished standard, Six Nut and Bolt (SNB) are required to use for wood doors. Order SNB separately.
Dogging*	Hex key dogging standard (Allen-type key furnished)
Dogging Options	Cylinder dogging or Less dogging
Finish	US28 (689) and US20A (690)
Dimension	See Spec. Sheet
Device Length	See Spec. Sheet
UL Listed	For Panic Hardware, see model 900SA and Fire Exit Hardware see model 917A

\*Fire rated SVR device has no mechanical dogging.  
(Dogging device is not permitted on fire-rated exit device)

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## RIM EXIT DEVICES

### NARROW DESIGN EXIT DEVICES

RIM EXIT DEVICES

MODEL 5610S PANIC-RATED RIM EXIT DEVICE - FOR NARROW DESIGN  
EXIT DOORS MADE FROM ALUMINUM, METAL (HM) OR WOOD



#### Application

- For use on single doors or double doors with mullion (Fire rated device up to 4'x8' single or 8'x8' double fire labeled doors).
- Fits for 1 3/4" (44mm) thick standard non-handed or hollow metal or wood doors, other than standard 1 3/4" is available, specify door thickness.
- Minimum Stile width: 2 1/2" (63mm)



#### 531 Strike Shim

Furnished with 532 Strike. This shim is 1/8" thick for prepared doors with 1/2" stop. It is used to obtain correct distance between the latch and the surface applied strike, when the stop is 1/2" high. If the frame has a 5/8" stop the shim is not required. Strike shim is steel and plated.



#### 532 Panic Rim Strike

Surface applied. Standard on 5000 Series panic rim exit devices. Stainless steel with a plated roller.

#### Specifications

Device Head Cover	Stainless Steel, nonferrous alloy
Chassis	Steel plated
Mechanism Housing	Steel or Stainless Steel
Push Bar	Steel or Stainless Steel
End Cap	Steel or Stainless Steel
Latch Bolt	100% Stainless Steel, dead locking type with an 11/16" throw
Deadlocking Latch	100% Stainless Steel with 5/8" (16mm) throw
Strikes	531 & 532 Rim (panic rated)
Handing	Non-handed
Mounting Fasteners	Machine screws furnished standard. Hex Nut & Bolt (SNB) are required for wood doors. Order SNB separately including standard.
Dogging*	Hex key dogging standard (Allen-type key furnished)
Dogging Options	Cylinder dogging or less dogging
Finish	US28 (689) and US20A (690)
Dimension	See Spec. Sheet
Device Length	See Spec. Sheet
UL Listed	For Panic Hardware, see model 500SA For Fire Exit Hardware, see model 510AF

\*Fire rated SVR device has no mechanical dogging.  
(Dogging device is not permitted on fire-rated exit device)

5000 SERIES STRIKES (CALL FOR AVAILABILITY)	DESCRIPTION
531	Strike Shim for 5510/5610
532	Panic Rim Strike for 5510/5610
533	Fire Rim Strike for 5510
534	Top Strike for 5630
537	Bottom Strike for 5630

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# SURFACE VERTICAL ROD EXIT NARROW DESIGN EXIT DEVICES

## RIM EXIT DEVICES

### MODEL 5630S PANIC-RATED SVR EXIT DEVICE - FOR NARROW DESIGN AND FLUSH DOORS USE



#### Application

- For use on all single or double doors where two-point latch is desirable (inactive leaf of double door in specialty). Fire rated device must be used on 4' x 8" single or 8' x 8" double fire labeled doors (max. size).
- Fits for 1 3/4" (44mm) thick standard RHR or LHR hollow metal door and wood doors, other than standard 1 3/4" is available but specify door thickness when ordering.
- Minimum Door Stile width: 2 1/2" (63mm).



#### 534 Top Strike

Applied to surface of stop.  
Hardened steel and plated.



#### 537 Bottom Strike

Applied to surface of floor.  
Nonferrous alloy and plated.

#### Specifications

Device Head Cover	Stainless Steel, nonferrous alloy
Chassis	Steel, stainless steel
Mechanism Housing	Steel or Stainless Steel
Push Bar	Steel or Stainless Steel
End Cap	Steel or Stainless Steel
Latch Bolt	100% stainless steel, 1/2" (13mm) throw
Latch Case Covers	Steel, stainless steel
Vertical Rods	Tubular aluminum with rod guides
Strikes	Top 534, Bottom 537
Handing	Non-handed

Mounting Fasteners	Machine screws furnished standard, Six Nut and Bolt (SNB) are required to use for wood doors. Order SNB separately.
Dogging*	Hex key dogging standard (Allen-type key furnished)
Dogging Options	Cylinder dogging or Less dogging
Finish	US28 (689) and US20A (690)
Dimension	See Spec. Sheet
Device Length	See Spec. Sheet
UL Listed	For Panic Hardware

\*Fire rated SVR device has no mechanical dogging.  
(Dogging device is not permitted on fire-rated exit device)

West: 800-544-4422 • East: 800-225-6737  
[www.intldoorcloser.com](http://www.intldoorcloser.com)



## CONCEALED VERTICAL ROD (CVR) DESIGNED FOR ALUMINUM AND HOLLOW METAL DOORS Grade 1

**7100-G1 SERIES**

### FEATURES

- Underwriter's Laboratories Inc. Listed Panic Hardware
- For use with narrow, medium and wide stile Aluminum doors
- Non-handed, Field Reversible for LHRB or RHRB doors
- Outside Unlatching and Dogging by Cylinder Key or Dogging by Hex Key in TouchBar
- Top Steel Toggle Latch and Bottom Steel Rod Latch Bolt
- Units use Standard Mortise Cylinder with MS Type Cam and M P-6182 Cylinder Mounting Pad
- Standard Units for 36" and 48" door widths (cut bar to fit) and up to 84" in height
- Can be used on 30" wide doors



**PH-6000**  
Outside Pull Handle



**MP-6000**  
Pull Handle Mounting Plate  
for Metal Doors



**MP-6182**  
Cylinder Mounting Pad with  
Locking Ring



**CZ-1001**  
Mortise Cylinder

# RIM PANIC

## DESIGNED FOR ALUMINUM AND HOLLOW METAL DOORS

Grade 1

7300-G1 SERIES

### FEATURES

- Underwriter's Laboratories Inc. Listed Panic Hardware
- For use with narrow, medium and wide stile  
Aluminum doors, Hollow Metal or Wood Doors
- Non-handed, for LHRB or RHRB doors
- Latch Bolt throw 5/8"
- Dogging by Hex Key in Touch Bar
- Outside Unlatching with standard Rim Cylinder
- Standard units for 36" and 48" door widths (cut bar to fit)
- Can be used on 30" wide doors



### FINISHES

- AL - ALUMINUM- Anodized extruded Aluminum with Bakexd  
Aluminum Painted Cover Caps
- DU- STOREFRONT BRONZE- Bronze Anodized extruded  
Aluminum with Baked Storefront Bronze Painted Cover Caps
- **WARRANTY:** Refer to inside front cover
- **US AND FOREIGN PATENTS**



**PH-6000**  
Outside Pull Handle



**MP-6000 Pull Handle**  
Mounting Plate for Wood or  
Metal Doors



**RZ-1003 Rim Cylinder**  
Finishes Available:  
AL - Anodized Satin Aluminum  
BK - Anodized Black  
DU - Anodized Bronze  
Specify: Finish

### 7100-G1/7300-G1 SERIES GRADE 1 PARTS AND ACCESSORIES

PH-6000	Outside Pull Handle
MP-6000	Pull Handle Mounting Plate
MP-6182	Cylinder Mounting Pad with Locking Ring
CZ-1001	Mortise Key Cylinder (Zinc) with 1 Key & Ring
RZ-1003	Rim Cylinder (Zinc) with 2 Keys & Ring
ST-6312	Standard Surface Roller Strike
RE-6112	12" Rod Extender with Coupler
RE-6124	24" Rod Extender with Coupler
SN12-175	12-24 x 1.75 Sex Nut

West: 800-544-4422 • East: 800-225-6737  
[www.intldoorcloser.com](http://www.intldoorcloser.com)



## HEAVY DUTY GRADE 1 ARCHITECTURAL TYPE • EXIT DEVICES

Grade 1

8000 SERIES

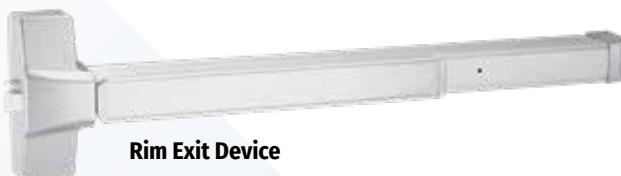
### FEATURES

- All devices are non-handed design
- Slight pressure on device touch bar will retract latch(s) for immediate exit
- Auxiliary guarded latch deadlocks latch bolt automatically when door is closed
- High shock-resistant latching mechanical design for protection from vandalism
- All inside components are made of high rust-resistant alloy or heavily electroplated steel
- Anti-fading, electroplated or architectural base material finishes on all exposed surfaces are available
- With a dogging mechanism, users have a choice of hex-key or cylinder operated for positive push-pull action at peak traffic time. This dogging device will also help by increasing the life of the exit device (panic label only).
- The exit devices are available in the following finishes: US32D and US10B.
- Compatible with electrified, SDC, and Command Access retraction kits.



### HEAVY-DUTY MODELS

**IDC 8000 SERIES EXIT DEVICES ARE HEAVY DUTY AND DESIGNED FOR HEAVY TRAFFIC APPLICATIONS. THE DEVICES ARE UNDERWRITERS LABORATORY (UL, USA AND ULC, CANADA) LISTED FOR PANIC EXIT HARDWARE OR FIRE EXIT HARDWARE, AND ARE CERTIFIED TO ANSI A156.3-2001 GRADE 1.**



Rim Exit Device



Surface Exit Device

**THE IDC 8000 SERIES IS A HEAVY-DUTY PUSH BAR EXIT DEVICE WHICH HAS TWO EXTERNAL SURFACE STYLES: SMOOTH DEVICE BODY AND GROOVED DEVICE BODY. THE 8600 SERIES ARE SMOOTH DEVICE BODY. THE 8700 AND 8800 SERIES ARE GROOVED DEVICE BODY. THESE TWO STYLES PROVIDE A WIDE SELECTION OF STYLE OPTIONS FOR ARCHITECTS AND BUILDING OWNERS.**

**HEAVY DUTY GRADE 1**  
**ARCHITECTURAL TYPE • EXIT DEVICES**

**8000 SERIES**

**8000 SERIES HEAVY DUTY GRADE 1**

RIM TYPE	DESCRIPTION	US26	US10B	US32D
8710S	Panic Rated, 36", Narrow Design	Available	Available	Call for Availability
8810S	Panic Rated, 36"	Available	Available	Call for Availability
8710S	Panic Rated, 48", Narrow Design	Available	Available	Call for Availability
8810S	Panic Rated, 48"	Available	Available	Call for Availability
8710F	Fire Rated, 36", Narrow Design	Available	Available	Call for Availability
8810F	Fire Rated, 36"	Available	Available	Call for Availability
8710F	Fire Rated, 48", Narrow Design	Available	Available	Call for Availability
8610F/8810F	Fire Rated, 48"	Available	Available	Call for Availability

**SURFACE VERTICAL ROD TYPE**

8730S	Panic Rated, 36", Narrow Design	Available	Available	Call for Availability
8630S/8830S	Panic Rated, 36"	Available	Available	Call for Availability
8730S	Panic Rated, 48", Narrow Design	Available	Available	Call for Availability
8630S/8830S	Panic Rated, 48"	Available	Available	Call for Availability
8730F	Fire Rated, 36", Narrow Design	Available	Available	Call for Availability
8630F/8830F	Fire Rated, 36"	Available	Available	Call for Availability
8730F	Fire Rated, 48", Narrow Design	Available	Available	Call for Availability
8630F/8830F	Fire Rated, 48"	Available	Available	Call for Availability

**LESS BOTTOM ROD SURFACE VERTICAL ROD TYPE**

LBR8630S/8830S	Panic Rated, 36"	Available	Available	Call for Availability
LBR8630S/8830S	Panic Rated, 48"	Available	Available	Call for Availability
LBR8630F/8830F	Fire Rated, 36"	Available	Available	Call for Availability
LBR8630F/8830F	Fire Rated, 48"	Available	Available	Call for Availability

- US32D In Stock
- Call for US26D Availability
- Call for Smooth or Grooved Available Device Options

West: 800-544-4422 • East: 800-225-6737  
[www.intldoorclosers.com](http://www.intldoorclosers.com)





## NARROW DESIGN RIM GROOVED DEVICE BODY • EXIT DEVICES

Grade 1

8700 SERIES

MODEL 8710S NARROW PANIC-RATED RIM EXIT DEVICE  
MODEL 8710F NARROW FIRE-RATED RIM EXIT DEVICE



IDC 8500 / 8700 SERIES HEAVY-DUTY NARROW DESIGN PANIC AND FIRE-RATED HARDWARE  
ARE DESIGNED FOR CONTEMPORARY GLASS, ALUMINUM, WOOD AND METAL DOORS.

### Specifications

#### Certification

- UL/cUL Listed:** UL listed as Panic Exit Hardware or 3-hour Fire Exit Hardware
- ANSI Certified:** Devices are ANSI A156.3 – 2001 Grade 1

#### Application

- 8519S / 8710S narrow design are used for framed glass or flush door applications. 87610F narrow design rim devices can be used for single doors with a 2-19/32" minimum stile and up to 4' X 8' or 8' X 8' pairs of doors with a mullion.
- Compatible with electrified, SDC, and Command Access retraction kits.

#### Finishes Available:

- US32
- US10B

Device Lengths	<ul style="list-style-type: none"> <li>Standard (36"): 33-15/32" (850mm)</li> <li>Long (48"): 44-3/4" (1137mm)</li> </ul>
Door Widths	<ul style="list-style-type: none"> <li>36" - For 29" to 36" (736mm to 914mm) doors</li> <li>48" - For 33" to 48" (838mm to 1219mm) doors</li> </ul>
Minimum Stile Width	2-19/32" (66mm)
Latch Bolt	3/4" (19mm) throw, deadlocking design
Strikes	801 (panic), 802 (fire)
Doggin Kit	<ul style="list-style-type: none"> <li>Panic device - Hex key dogging (RD) standard</li> <li>Fire device - No mechanical dogging (ND)</li> </ul>
Dogging Options	<ul style="list-style-type: none"> <li>Cylinder Dogging (CD)</li> <li>Less Dogging (LD)</li> </ul>
Mounting Fasteners	<ul style="list-style-type: none"> <li>Panic device - Machine screws furnished standard</li> <li>Fire device - Sex nuts and bolts (SNB) supplied standard</li> <li>Optional SNB are available for device, order separately</li> </ul>
Mounting Height	Device center line from finished floor is 40" (1016mm) standard
Door Opening Height	Device centerline from finished floor is 40" (1016mm) standard
Projection	Pushbar Neutral: 3-1/16" (78mm), Pushbar Depressed: 2-19/32" (66mm)

**NARROW DESIGN RIM  
GROOVED DEVICE BODY • EXIT DEVICES**  
Grade 1

**87000 SERIES**

**MODEL 8730S NARROW DESIGN PANIC-RATED RIM EXIT DEVICE  
MODEL 8730F NARROW DESIGN FIRE-RATED RIM EXIT DEVICE**

**Certification**

- **UL/cUL Listed:** UL listed as Panic Exit Hardware or 3-hour Fire Exit Hardware
- **ANSI Certified:** Devices are



**Finishes Available:**

- US32
- US10B

**Specifications**

Device Lengths	<ul style="list-style-type: none"> <li>• Standard (36"): 33-15/32" (850mm)</li> <li>• Long (48"): 44-3/4" (1137mm)</li> </ul>
Door Widths	<ul style="list-style-type: none"> <li>• 36" - For 29" to 36" (736mm to 914mm) doors</li> <li>• 48" - For 33" to 48" (838mm to 1219mm) doors</li> </ul>
Minimum Stile Width	2-19/32"(66mm)
Latch Bolt	<ul style="list-style-type: none"> <li>• Top latch - 5/8" (16mm) throw, can be deadlocked automatically</li> <li>• Bottom latch - 5/8" (16mm) throw, held retracted during door swing</li> </ul>
Strikes	<ul style="list-style-type: none"> <li>• Top: 812 (Panic), 822 (Fire).</li> <li>• Bottom: 815 (Panic), 825 (Fire)</li> </ul>
Doggin Kit	<ul style="list-style-type: none"> <li>• Panic device - Hex key dogging (RD) standard</li> <li>• Fire device - No mechanical dogging (ND)</li> </ul>
Dogging Options	<ul style="list-style-type: none"> <li>• Cylinder Dogging (CD)</li> <li>• Less Dogging (LD)</li> </ul>
Mounting Fasteners	<ul style="list-style-type: none"> <li>• Panic device - Machine screws furnished for device standard SNB furnished for top &amp; bottom latches</li> <li>• Fire device - Sex nuts and bolts (SNB) supplied standard SNB are required for wood doors, supplied standard</li> </ul>
Mounting Height	Device centerline from finished floor is 40" (1016mm) standard
Door Opening Height	Standard door height is 7' (Optional 8' door is available)
Vertical Rods	<ul style="list-style-type: none"> <li>• 1/2" (13mm) diameter tubular with rod guides</li> <li>• Top rod has two pieces to connect for accommodating 7' or 8' doors</li> <li>• Bottom rod is one piece with a length of 31-1/4" (794mm)</li> </ul>
Projection	Pushbar Neutral: 3-1/16" (78mm) and Pushbar Depressed: 2-19/32" (66mm)

**Application**

- **Narrow design Panic SVR exit devices** are used for aluminum frame full glass doors or narrow stile aluminum door applications. The narrow design **Fire SVR exit devices** are used for wide stile pairs of metal or wood doors up to 8' x 8' (2438mm x 2438mm)
- Compatible with electrified, SDC, and Command Access retraction kits.

**West: 800-544-4422 • East: 800-225-6737**  
[www.intldoorclosers.com](http://www.intldoorclosers.com)



## SURFACE VERTICAL ROD SMOOTH DEVICE BODY • EXIT DEVICES Grade 1

8600/8800 SERIES

MODEL 8630S/8830S PANIC-RATED SVR EXIT DEVICE  
MODEL 8630F/8830F FIRE-RATED SVR EXIT DEVICE

### Specifications

Device Lengths	<ul style="list-style-type: none"> <li>Standard (36"): 33-15/32" (850mm)</li> <li>Long (48"): 44-3/4" (1137mm)</li> </ul>
Door Widths	<ul style="list-style-type: none"> <li>36" - For 29" to 36" (736mm to 914mm) doors</li> <li>48" - For 33" to 48" (838mm to 1219mm) doors</li> </ul>
Minimum Stile Width	4-1/4" (107mm)
Latch Bolt	<ul style="list-style-type: none"> <li>Top latch - 5/8" (16mm) throw, can be deadlocked automatically</li> <li>Bottom latch - 5/8" (16mm) throw, held retracted during door swing</li> </ul>
Strikes	<ul style="list-style-type: none"> <li>Top: 812 (Panic), 822 (Fire).</li> <li>Bottom: 815 (Panic), 825 (Fire)</li> </ul>
Doggin Kit	<ul style="list-style-type: none"> <li>Panic device - Hex key dogging (RD) standard</li> <li>Fire device - No mechanical dogging (ND)</li> </ul>
Dogging Options	<ul style="list-style-type: none"> <li>Cylinder Dogging (CD)</li> <li>Less Dogging (LD)</li> </ul>
Mounting Fasteners	<ul style="list-style-type: none"> <li>Panic device - Machine screws furnished for device standard SNB furnished for top and bottom latches</li> <li>Fire device - Sex nuts and bolts (SNB) supplied standard SNB are required for wood doors, supplied standard</li> </ul>
Mounting Height	Device centerline from finished floor is 40" (1016mm) standard
Door Opening Height	Standard door height is 7' (Optional 8' door is available)
Vertical Rods	<ul style="list-style-type: none"> <li>1/2" (13mm) diameter tubular with rod guides Top rod has two pieces to connect for accommodating 7' or 8' doors.</li> <li>Bottom rod is one piece with a length of 31-1/4" (794mm)</li> </ul>
Projection	Pushbar Neutral: 3-1/16" (78mm), Pushbar Depressed: 2-19/32" (66mm)

### Certification

- UL/cUL Listed:** UL listed as Panic Exit Hardware or 3-hour Fire Exit Hardware
- ANSI Certified:** Devices are ANSI A156.3 – 2001 Grade 1



### Finishes Available:

- US32
- US10B

### Application

- Panic SVR exit devices are used for all types of single and double doors. Fire SVR exit devices are used for UL listed fire labeled pairs of doors up to 8' x 8' (2438mm x 2438mm)
- For LBR device
- Compatible with electrified, SDC, and Command Access retraction kits.

Models are not available for 9' or 10' door height use. If doors are over 8' please specify when ordering.

Example:

- Model 10FT-8630S / 10FT-8830S
- Model 10FT-8630F / 10FT-8830F

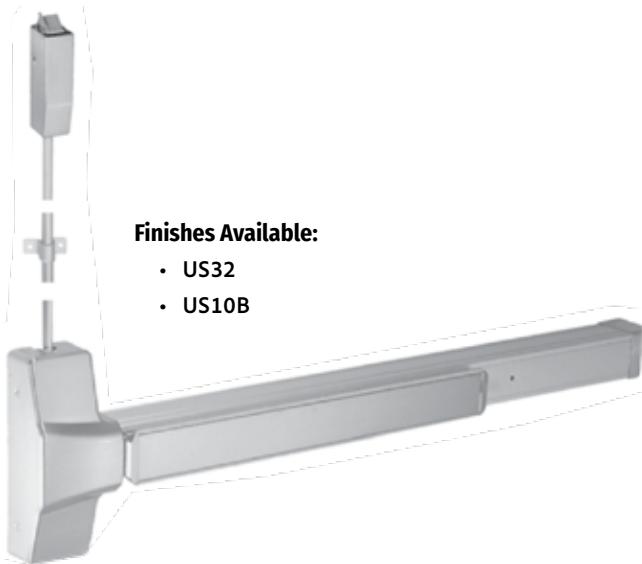
**WIDE RIM EXIT DEVICES**  
**SMOOTH DEVICE BODY • EXIT DEVICES**  
**Grade 1**

**8600/8800 SERIES**

**MODEL LBR 8630S/LBR8830S PANIC-RATED SVR EXIT DEVICE LESS BOTTOM ROD**  
**MODEL LBR 8630F/LBR8830F FIRE-RATED SVR EXIT DEVICE LESS BOTTOM ROD**

**Certification**

- **UL/cUL Listed:** UL listed as Panic Exit Hardware or 3-hour Fire Exit Hardware
- **ANSI Certified:** Devices are ANSI A156.3 – 2001 Grade 1



**Finishes Available:**

- US32
- US10B

**Specifications**

Device Lengths	<ul style="list-style-type: none"> <li>• Standard (36"): 33-15/32" (850mm)</li> <li>• Long (48"): 44-3/4" (1137mm)</li> </ul>
Door Widths	<ul style="list-style-type: none"> <li>• 36" - For 29" to 36" (736mm to 914mm) doors</li> <li>• 48" - For 33" to 48" (838mm to 1219mm) doors</li> </ul>
Minimum Stile Width	4-1/4" (107mm)
Latch Bolt	<ul style="list-style-type: none"> <li>• Top latch - 5/8" (16mm) throw, can be deadlocked automatically</li> <li>• Bottom latch - 5/8" (16mm) throw, held retracted during door swing</li> </ul>
Strikes	<ul style="list-style-type: none"> <li>• Top: 812 (Panic), 822 (Fire).</li> <li>• Bottom: 815 (Panic), 825 (Fire)</li> </ul>
Doggin Kit	<ul style="list-style-type: none"> <li>• Panic device - Hex key dogging (RD) standard</li> <li>• Fire device - No mechanical dogging (ND)</li> </ul>
Dogging Options	<ul style="list-style-type: none"> <li>• Cylinder Dogging (CD)</li> <li>• Less Dogging (LD)</li> </ul>
Mounting Fasteners	<ul style="list-style-type: none"> <li>• Panic device - Machine screws furnished for device standard SNB furnished for top and bottom latches</li> <li>• Fire device - Hex nuts and bolts (SNB) supplied standard SNB are required for wood doors, supplied standard</li> </ul>
Mounting Height	Device centerline from finished floor is 40" (1016mm) standard
Door Opening Height	Standard door height is 7' (Optional 8' door is available)
Vertical Rods	<ul style="list-style-type: none"> <li>• 1/2" (13mm) diameter tubular with rod guides Top rod has two pieces to connect for accommodating 7' or 8' doors.</li> <li>• Bottom rod is one piece with a length of 31-1/4" (794mm)</li> </ul>
Projection	Pushbar Neutral: 3-1/16" (78mm), Pushbar Depressed: 2-19/32" (66mm)

**Application**

- Panic SVR exit devices are used for all types of single and double doors. Fire SVR exit devices are used for UL listed fire labeled pairs of doors up to 8' x 8' (2438mm x 2438mm)
- For LBR device
- Compatible with electrified, SDC, and Command Access retraction kits.

Models are not available for 9' or 10' door height use. If doors are over 8' please specify when ordering.

Example:

- Model 10FT-8630S / 10FT-8830S
- Model 10FT-8630F / 10FT-8830F

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**www.intldoorcloser.com**



## WIDE RIM EXIT DEVICES

### SMOOTH DEVICE BODY • EXIT DEVICES

#### Grade 1

8600 SERIES

MODEL 8610S/8810S PANIC-RATED RIM EXIT DEVICE  
MODEL 8610F/8810F FIRE-RATED RIM EXIT DEVICE



THE IDC 8600 AND 8800 SERIES HAVE A FULL LINE OF HEAVY-DUTY WIDE DESIGN PANIC AND FIRE-RATED HARDWARE. THIS SERIES OFFER DURABILITY, SAFETY AND MEET THE SECURITY DEMAND AND ACCESS CONTROL NEEDS OF TODAY..

#### Certification

- UL/cUL Listed:** UL listed as Panic Exit Hardware or 3-hour Fire Exit Hardware
- ANSI Certified:** Devices are ANSI A156.3 – 2001 Grade 1

#### Application

- 8610S/8810S rim exit devices are used for all types of single double doors with mullion.
- 8610F/8810F rim exit devices are used for UL listed fire labeled single doors up to 4' x 8' (1219mm x 2438mm) or 8' x 8' (2438mm x 2438mm) double doors with mullion.
- Compatible with electrified, SDC, and Command Access retraction kits.

#### Finishes Available:

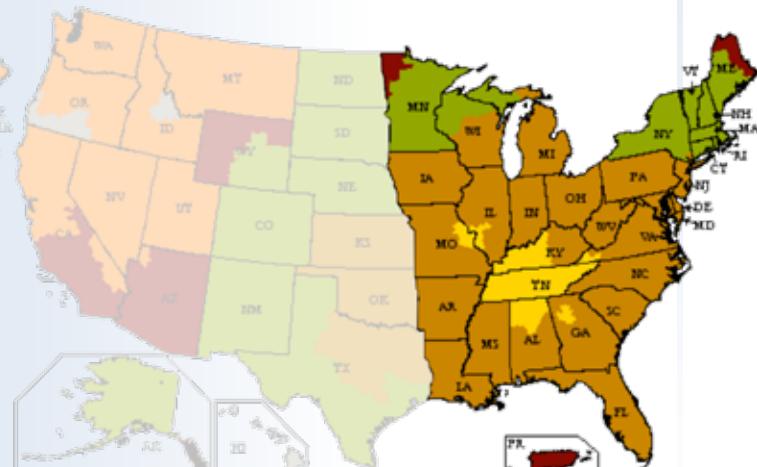
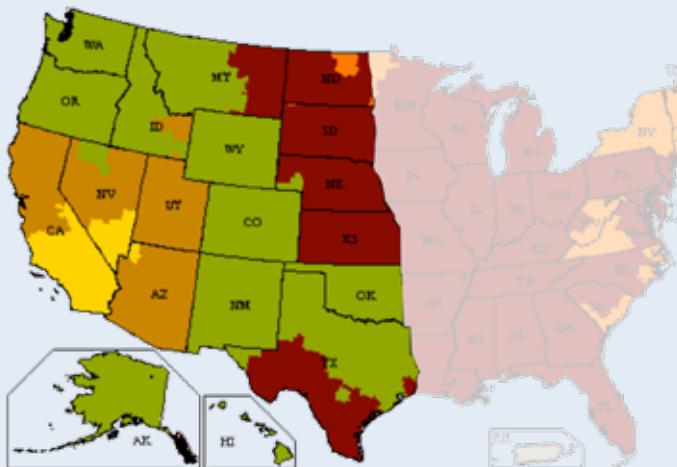
- US32
- US10B

#### Specifications

Device Lengths	<ul style="list-style-type: none"><li>Standard (36"): 33-15/32" (850mm)</li><li>Long (48"): 44-3/4" (1137mm)</li></ul>
Door Widths	<ul style="list-style-type: none"><li>36" - For 29" to 36" (736mm to 914mm) doors</li><li>48" - For 33" to 48" (838mm to 1219mm) doors</li></ul>
Minimum Stile Width	4-1/4" (107mm)
Latch Bolt	3/4" (19mm) throw, deadlocking design
Strikes	801 (panic), 802 (fire)
Doggin Kit	<ul style="list-style-type: none"><li>Panic device - Hex key dogging (RD) standard</li><li>Fire device - No mechanical dogging (ND)</li></ul>
Dogging Options	<ul style="list-style-type: none"><li>Cylinder Dogging (CD)</li><li>Less Dogging (LD)</li></ul>
Mounting Fasteners	<ul style="list-style-type: none"><li>Panic device - Machine screws furnished standard</li><li>Fire device - Sex nuts and bolts (SNB) supplied standard</li><li>SNB are required to use for wood doors, supplied standard</li></ul>
Mounting Height	Device center line from finished floor is 40" (1016mm) standard
Projection	Pushbar Neutral: 3-1/16" (78mm), Pushbar Depressed: 2-19/32" (66mm)

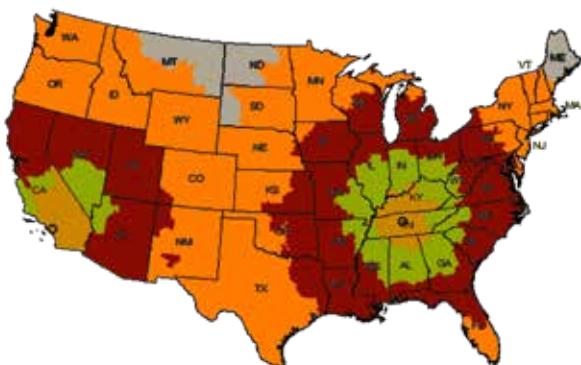
<b>FINISHES</b>		
Zinc Plated	603	US2G
Bright Brass	605	US3
Satin Brass	606	US4
Bright Bronze	611	US9
Satin Bronze	612	US10
Dark Bronze	613	US10B
Bright Chrome	625	US26
Satin Chrome	626	US26D
Satin Aluminum	628	US28
Bright Stainless Steel	629	US32
Satin Stainless Steel	630	US32D
Painted Primed	600	USP
Painted Aluminum	689	S1
Painted Brass (to match US4)	696	S2
Painted Bronze (to match US10)	691	S3
Painted Black	693	S4
Painted Dark Bronze (to match US10B)	690	S5
Painted White	-	S8

• NOTE: Not all finishes are stocked. Some will require additional lead time.



### UPS Outbound View

Transit Days From Anaheim, CA and Nashville, TN Warehouse:



### FedEx Flat Rate Outbound View

International Door Closers RAPID Ship program will utilize the most RAPID AND COST-EFFECTIVE SHIPPING method to fit your needs. Contact us TODAY!



#### West Coast Office

International Door Closers, Inc.  
4431 E. La Palma, Anaheim, CA 92807  
Tel: (714) 666-0390 • (800) 544-4422  
Fax: (714) 666-2215

#### East Coast Office

International Door Closers, Inc.  
1920 Air Lane Drive, Nashville, TN 37210  
Tel: (615) 885-7060 • (800) 225-6737  
Fax: (615) 885-0903 z