

FHC Surface Mounted Door Closers

FHC SM50 Series Grade 1 Surface Mounted Door Closers

- Adjustable Closing and Latching Speeds
- Adjustable Backcheck Models SM52-SM55
- Thermo-Constant Valves
- Rack & Pinion Gearing
- Standard Arm and Parallel Brackets Included
- UL Listed
- Five Year Limited Warranty
- Reversible, Non-Handed

Available Finishes



SA
ALUMINUM



DU
DARK BRONZE
ANODIZED



BL
BLACK



FHC SM50 SERIES SURFACE MOUNTED DOOR CLOSERS

SIZE 1 LIGHT-DUTY ITEM NO.	SIZE 2 LIGHT-DUTY ITEM NO.	SIZE 3 STANDARD-DUTY ITEM NO.	SIZE 4 STANDARD-DUTY ITEM NO.	SIZE 5 HEAVY-DUTY ITEM NO.	FINISH
SM51SA	SM52SA	SM53SA	SM54SA	SM55SA	Aluminum
SM51DU	SM52DU	SM53DU	SM54DU	SM55DU	Dark Bronze Anodized
SM51BL	-	-	SM54BL	-	Black

Minimum order: 1 each.

FHC SM80 Series Adjustable Spring Power Surface Mounted Door Closers

- Adjustable Spring Power Size 1-5
- Adjustable Backcheck, Closing and Latching Speed
- Thermo-Constant Valve
- Rack and Pinion Gearing
- Standard Arm and Parallel Brackets Included
- Single-Action
- Barrier-Free A.D.A. Compliant (SM82 Series Only)
- Five Year Limited Warranty



CAUTION!

Door Closers Adjusted to Meet A.D.A. Requirements, Including those Certified to BHMA and ANSI Standard A156.4, May Not Provide Sufficient Power to Close and Latch Door.



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to Get Real Time Expert Support
from Knowledgeable Reps

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ANSI A156.4



FHC SM80 SERIES ADJUSTABLE SPRING POWER SURFACE MOUNT DOOR CLOSERS

SIZE 2-5 ITEM NO.	SIZE 1-4 A.D.A. ITEM NO.	FINISH
SM80SA	SM82BFSA	Aluminum
SM80DU	SM82BFDU	Dark Bronze Anodized
SM80BL	SM82BFBL	Black

Minimum order: 1 each.

FRAMELESS HARDWARE COMPANY LLC
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FHC Surface Mounted Door Closers

FHC Closer Body Cover For SM50 Closer

- Easy Slip Fit Installation
- Works with SM50 and SM80 Series Closers

ITEM NO.	FINISH
SM50CVRSA	Aluminum
SM50CVRDU	Dark Bronze
SM50CVRBL	Black

Minimum order: 1 each.



FHC Sex Bolt Mounting Screws

- 4 Per Pack
- Used with 1-3/4" Thick Doors
- Used for Mounting Closers to Wood or Hollow Metal Doors

ITEM NO.	FINISH
SMSXSA	Aluminum
SMSXDU	Dark Bronze
SMSXBL	Black

Minimum order: 1 each.



FHC Wide Drop Plate

- Wide Drop Plate used with SM50 and SM80 Series Closers
- Mounting Plates Comes with Conveniently Pre Drilled Hole Patterns

- Hardware for Mounting Included in Package

ITEM NO.	FINISH
SM54DPWSA	Aluminum
SM54DPWDU	Dark Bronze
SM54DPWBL	Black

Minimum order: 1 each.



FHC Narrow Drop Plates For SM53 Closer

- Used with Item No. SM53 Closers

ITEM NO.	FINISH
SM53NDPSA	Aluminum
SM53NDPDU	Dark Bronze
SM53NDPBL	Black

Minimum order: 1 each.



FHC Narrow Drop Plates For SM54 Closer

- Used with Item No. SM54 and Item No. SM80 Closers

ITEM NO.	FINISH
SM54NDPSA	Aluminum
SM54NDPDU	Dark Bronze
SM54NDPBL	Black

Minimum order: 1 each.



FHC Parallel Arm Brackets For SM52/ SM55/SM80 Series Closer

- For Item No. SM52-SM55 and Item No. SM80 Series Surface Mounted Door Closer

ITEM NO.	FINISH
SM7PABSA	Aluminum
SM7PABDU	Dark Bronze
SM7PABBL	Black

Minimum order: 1 each.



FHC Replacement Screw Pack For SM51-55 And SM80 Series Closer

- For Item No. SM51, Item No. SM55, and Item No. SM80 Series Surface Mounted Door Closer

ITEM NO.	FINISH
SMSBSA	Aluminum
SMSBDU	Dark Bronze
SMSBBL	Black

Minimum order: 1 each.



FHC SM50 Series Regular Closer Arm

- Replacement Arm for Item No. SM52-SM55 and Item No. SM80 Series Closers

ITEM NO.	FINISH
SM50CASA	Aluminum
SM50CADU	Dark Bronze
SM50CABL	Black

Minimum order: 1 each.



FHC Extended Arm Adjustable Rod Assemblies For SM52-55 And SM80 Series Closer

- Used for Item No. SM52-SM55 and Item No. SM80 Series Closers

ITEM NO.	FINISH
SMAXTSA	Aluminum
SMAXTDU	Dark Bronze
SMAXTBL	Black

Minimum order: 1 each.



FHC Friction Hold Open Arms For SM52-55 And SM80 Series Closer

- Replacement Arms for Item No. SM52, Item No. SM55, and Item No. SM80 Series Closers

ITEM NO.	FINISH
SMHOASA	Aluminum
SMHOADU	Dark Bronze
SMHOABL	Black

Minimum order: 1 each.

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FHC Surface Mounted Door Closers

FHC SM90 Series Grade 1 Adjustable Spring Power Surface Mount Door Closers

- Adjustable Power Size 1-6
- Adjustable Closing and Latching Speed
- Adjustable Backcheck and Delay
- Thermo-Constant Valve
- One-Piece Cast-Iron Construction
- All Function Regulators On Same Side for Easier Adjustment
- Rack and Pinion Gearing
- Single Action Door
- Non-Handed
- Standard Arm and Parallel Bracket Included
- UL Listed
- Five Year Limited Warranty



ANSI A156.4 G1
ANSI A117.1
A.D.A. COMPLIANT



Barrier-Free Feature

Offers a Lighter Powered Spring Resistance. The Opening Force can be Adjusted to Comply With A.D.A., and as Outlined in ANSI A117.1.



Available Finishes



SA
ALUMINUM



DU
DARK
BRONZE



BL
BLACK



CAUTION!

Door Closers Adjusted to Meet A.D.A. Requirements, Including those Certified to BHMA and ANSI Standard A156.4, May Not Provide Sufficient Power to Close and Latch Door.

FHC SURFACE MOUNT CLOSER ADJUSTABLE SPRING STANDARD ARM/PARALLEL BRACKET

SERIES SM90 ITEM NO.	SERIES SM92 ITEM NO.	FINISH
SM90SA	SM92DASA	Aluminum
SM90DU	SM92DADU	Dark Bronze
SM90BL	SM92DABL	Black

Minimum order: 1 each. Must ship common carrier.

FHC PARALLEL ARM DROP PLATE

ITEM NO.	DESCRIPTION	FINISH
SM90DPPASA	Parallel Arm Drop Plate 12-1/4" x 5"	Aluminum
SM90DPPADU	Parallel Arm Drop Plate 12-1/4" x 5"	Dark Bronze
SM90DPPABL	Parallel Arm Drop Plate 12-1/4" x 5"	Black

Minimum order: 1 each. Must ship common carrier.

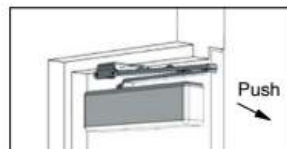
Three Mounting Options for Surface Mount Door Closers



Standard Projecting Arm
Installation: Closer Installed on "Pull" Side of the door



Top Jamb Installation
Closer Installed Above Door On "Push" Side.



Parallel Arm Installation
Closer Installed in "Push" Side of the Door

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Chat With Us!



FHC Door Pressure Gauge

- Measures Entire Range of Force When Servicing Interior and Exterior Doors
- 0-35 Pound Force Range
- Ideal for Glass Door Installers, Contractors and Architects



ITEM NO. DPG035
Minimum Order: 1 Each.

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FHC®
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FHC Surface Mounted Door Closers

FHC Closer Body Covers For SM90 Closer

- Full Body Cover for Item No. SM90 Series Door Closers



ITEM NO.	FINISH
SM90CVRSA	Aluminum
SM90CVRDU	Dark Bronze

Minimum order: 1 each.

FHC Sex Bolt Mounting Screws For 1-3/4" Thick Doors

- 4 Per Pack
- Used with 1-3/4" Thick Doors
- Used for Mounting Closers to Wood or Hollow Metal Doors



ITEM NO.	FINISH
SMSXSA	Satin Anodized
SMSXDU	Dark Bronze
SMSXCH	Chrome

Minimum order: 1 pack.

FHC Drop Plates - Pull Side For SM90 Series Closer

- For Top Rails with Less Than 3-3/4" SM90DP
- Provides a Solid Mounting Surface

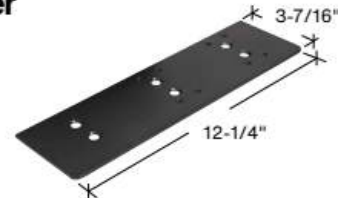


ITEM NO.	FINISH
SM90DPESA	Aluminum
SM90DPEDU	Dark Bronze

Minimum order: 1 each.

FHC Drop Plates - Top Jamb For SM90 Series Closer

- Provides a Solid Mounting Surface
- Used for Top Jamb Applications



ITEM NO.	FINISH
SM90DPJESA	Aluminum
SM90DPJEDU	Dark Bronze

Minimum order: 1 each.

FHC Drop Plates - Flush Top Jamb For SM90 Series Closer

- Used for Top Jambs that have Low Ceilings



ITEM NO.	FINISH
SM90DPFESA	Aluminum
SM90DPFEDU	Dark Bronze

Minimum order: 1 each.

FHC Drop Plates For SM90 Closer Parallel Arm Mount

- Drop Plate used with SM90 Series Closer
- Used on the Push Side as a Parallel Arm Installation



ITEM NO.	FINISH
SM90DPPESA	Aluminum
SM90DPPEDU	Dark Bronze

Minimum order: 1 each.

FHC Parallel Arm Brackets

- For Use with Regular Non-Hold Open Arms



ITEM NO.	FINISH
SM90PABSA	Aluminum
SM90PABDU	Dark Bronze

Minimum order: 1 each.

FHC Replacement Screw Packs

- For Item No. SM90 Surface Mounted Door Closer



ITEM NO.	FINISH
SM90SSA	Aluminum
SM90SDU	Dark Bronze

Minimum order: 1 pack.

FHC Hold Open Arms For SM90 Series Surface Mounted Door Closer

- Hold Open Function from 90 Degrees to 180 Degrees



ITEM NO.	FINISH
SM90HOASA	Aluminum
SM90HOADU	Dark Bronze

Minimum order: 1 each.

FHC Extension Arm Assemblies For SM90 Series Closer

- Used with Reveals Up to 4-1/2"



ITEM NO.	FINISH
SM90AXTASA	Aluminum
SM90AXTADU	Dark Bronze

Minimum order: 1 each.



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FHC Surface Mounted Door Closers

FHC 1800 Series Surface Mounted Door Closers

- Narrow Design Fits on Most Aluminum Framed Doors Without Adapters
- Application for Standard Arm and Top Jamb Installation
- Two Adjustment Valves: Closing and Latching Speeds Controlled by Separate Regulating Valves, Adjustable After Installation
- Factory Tested to Meet or Exceed ANSI 156.4 Grade 1
- Barrier Free Operation to Comply with Federal Accessibility Standards (ADA) Complying with ANSI 117.1
- 5 Year Limited Warranty
- Includes Parallel Arm Bracket



ITEM NO.	SPRING	DESCRIPTION	FINISH
SC1804SA	4	Standard Duty for Doors 143-187 Pounds	Aluminum
SC1804DU	4	Standard Duty for Doors 143-187 Pounds	Dark Bronze

Minimum order: 1 each.

FHC 44 Series Adjustable Spring Power Surface Mounted Door Closer

- Designed for High Traffic Doors
- Cast Iron Body; Forged Steel Arm
- Double Heat Treated Steel Pinion
- Adjustable Power Size 1-6 with Backcheck
- Universal Application for Standard 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 Limited Manufacturer's Warranty
- Includes Parallel Arm Bracket



ITEM NO.	SPRING	DESCRIPTION	FINISH
SC44SA	1-6	Adjustable Spring A.D.A. Compliant 33-330 Pounds	Aluminum
SC44DU	1-6	Adjustable Spring A.D.A. Compliant 33-330 Pounds	Dark Bronze

Minimum order: 1 each.

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FHC Surface Mounted Door Closers

LCN® 4041XP Heavy-Duty Surface Mounted Closers

- Includes Arm for Regular Pull Side, Top Jamb or Parallel Arm Mounting, and Cover
- Designed for High Traffic Applications
- Features Fast Power Adjust 1 through 6 with Visual Indicator
- Satin Anodized and Dark Bronze Anodized Finishes

LCN®


4041XP REGULAR ARM WITH PARALLEL ARM BRACKET

ITEM NO.	SPRING SIZE	FINISH	DESCRIPTION
4041XPSA	1-6	Satin Anodized	Adjustable Spring Power
4041XPPU	1-6	Dark Bronze Anodized	Adjustable Spring Power
4041SA	1-6	Satin Anodized	Delayed Action / Adjustable
4041DU	1-6	Dark Bronze Anodized	Delayed Action / Adjustable

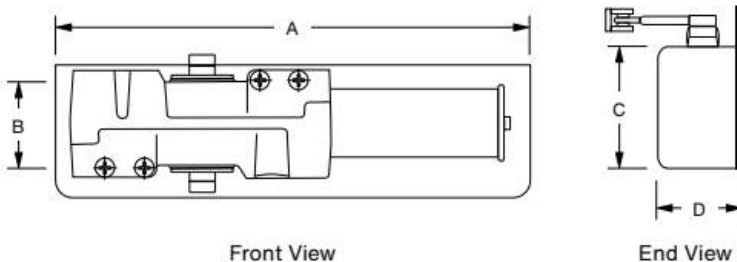
Minimum order: 1 each.



LISTED
PANIC HARDWARE
SA45616



Closer Dimensions



SPECIFICATIONS	DIMENSIONS
A: Length of Closer Body with Cover	12-1/4"
B: Horizontal Mounting Holes	2-1/4"
C: Closer Body Height with Cover	3-1/2"
D: Projection from Door with Cover	2-1/4"

EXTERIOR (AND VESTIBULE) DOOR WIDTH

SIZE	DOOR WIDTH	
	MIN	MAX
Size 3	24"	30"
Size 4	30"	36"
Size 5	36"	42"
Size 6	42"	48"

INTERIOR DOOR WIDTH

SIZE	DOOR WIDTH	
	MIN	MAX
Size 2	24"	34"
Size 3	34"	38"
Size 4	38"	48"
Size 5	48"	54"
Size 6	54"	60"

LCN is a registered trademark of Allegion plc.



The 4041XP Series includes the **LCN® FAST™ Power Adjust**, a revolutionary visual indicator for spring power adjustment



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FHC Surface Mounted Door Closers

Accessories for LCN 4040XP Series Door Closers

LCN® Regular Arms

- Non-Handed
- Mounts Pull Side or Top Jamb With Shallow Reveal

ITEM NO.	FINISH
4040RSA	Aluminum
4040RDU	Dark Bronze Anodized

Minimum order: 1 each.



LCN® Hold Open Closer Arms

- Non-Handed
- Mounts Pull Side or Top Jamb With Shallow Reveal

ITEM NO.	FINISH
4040HSA	Aluminum
4040HDU	Dark Bronze Anodized

Minimum order: 1 each.



LCN®

LCN® Heavy-Duty Parallel Closer Arms

- Non-Handed, Heavy-Duty Parallel Arm

ITEM NO.	FINISH
4040EDASA	Aluminum
4040EDADU	Dark Bronze Anodized

Minimum order: 1 each.



LCN® Heavy-Duty Parallel Arm Mounting Brackets

- Required for Heavy-Duty Parallel Arm Mounting

ITEM NO.	FINISH
62PASA	Aluminum
62PADU	Dark Bronze Anodized

Minimum order: 1 each.



LCN® Cush-N-Stop Arms

- Keeps Door and Closer Protected
- Non-Handed Parallel Arm
- Positive Stop Up to a Max Opening of 110 Degrees

ITEM NO.	FINISH
4040CSA	Aluminum
4040CDU	Dark Bronze Anodized

Minimum order: 1 each.



LCN® Hold Open Arms

- Keeps Door and Closer Protected
- Non-Handed Parallel Arm
- Positive Stop Up to a Max Opening of 110 Degrees

ITEM NO.	FINISH
4040CSSA	Aluminum
4040CSDU	Dark Bronze Anodized

Minimum order: 1 each.



LCN® Regular Drop Plates

- Drop Plate Used on Pull Side when Top Rail is Less than 3-3/4"

ITEM NO.	FINISH
4040PSA	Aluminum
4040PDU	Dark Bronze Anodized

Minimum order: 1 each.



LCN® Top Jamb Drop Plates

- Centers Top Jamb Mounted Closer Vertically On Head Frame Where Face Is Less Than 3-1/2"
- Plate Requires 1-3/4" Minimum Head

ITEM NO.	FINISH
4040TJSA	Aluminum
4040TJDU	Dark Bronze Anodized

Minimum order: 1 each.



LCN® Flush Top Jamb Drop Plates

- Used for Top Jambs That Have Low Ceilings

ITEM NO.	FINISH
4040GSA	Aluminum
4040GDU	Dark Bronze Anodized

Minimum order: 1 each.



LCN® Drop Plates Used With Parallel Arms

- Drop Plate Used with Parallel Arm where Top Rail is Less Than 5-1/2"

ITEM NO.	FINISH
4040PASA	Aluminum
4040PADU	Dark Bronze Anodized

Minimum order: 1 each.



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