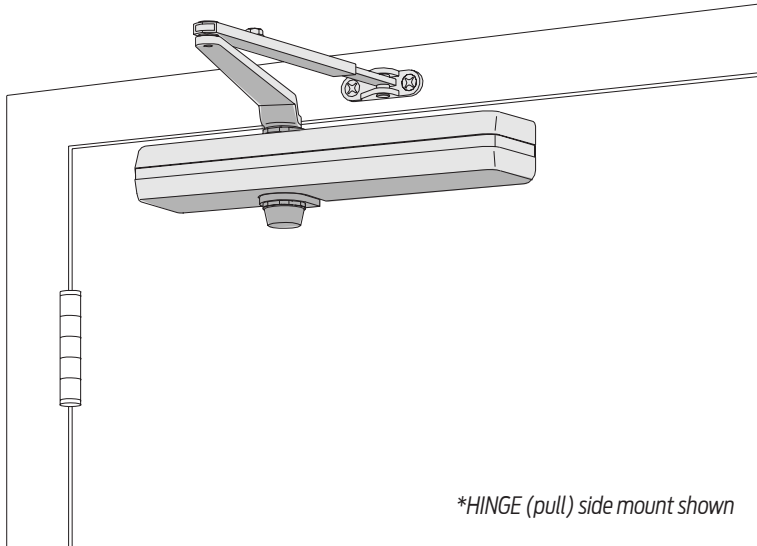


1460 SERIES

FEATURES

CLOSER MOUNTS
***HINGE (PULL) SIDE**
TOP JAMB (PUSH SIDE)
PARALLEL ARM (PUSH SIDE)



**HINGE (pull) side mount shown*

Designed for maximum versatility, the 1460, available with multiple cover options, can be used for both commercial and institutional applications. This fully universal closer offers a wide variety of options and fast and accurate installation.

- Cast Iron
- All weather fluid
- Non-handed
- Peel-n-stick templates for fast and accurate installation
- UL and cUL listed

- Standard 1460 series closer shipped with regular arm, a slim line plastic cover, and self reaming and tapping screws. See 1460 Series Pages 16 & 17 for options.
- Multiple cover options include; Standard (Slim line), Full and Designer Series.
- Non-sized (1-6) cylinder is adjustable for interior doors to 5'0" and exterior doors to 4'0".
- Closer mounts hinge side, top jamb and parallel arm on either right or left swinging doors.
- Closer meets ADA requirements. See 1460 Series page 18.
- Standard or optional custom powder coat finish.
- Optional plated finish on Designer Series metal cover, arm and fasteners. (Available with powder coat finishes only.)
- Optional SRI primer for installations in corrosive conditions.
- Tested and certified under ANSI Standard A156.4, grade one.

| MOUNTING | | | | | FINISH | | COVER | | CYLINDER | | | *ARM FUNCTION | | | | | | | | |
|-------------------|-----------------|-----------------|--------------|-----------|-------------|----------------|---------|-------|-----------------|------------|-----------|---------------|----------------|------------------|-------------------|------------|-----------|----------|-------------|--------------|
| HINGE (PULL) SIDE | TOP JAMB (PULL) | TOP JAMB (PUSH) | PARALLEL ARM | STOP FACE | POWDER COAT | PLATED | PLASTIC | METAL | DESIGNER SERIES | NON-HANDED | NON-SIZED | ACCESSIBILITY | DELAYED ACTION | REGULAR (DOUBLE) | STANDARD (SINGLE) | HEAVY DUTY | HOLD-OPEN | EDA/HEDA | CUSH/H/CUSH | SCUSH/S/CUSH |
| ● | ○ | ● | ● | ○ | ● | ● ^D | ● | ○ | ● | ● | ○ | ♿ | ● | 180° | ○ | 180° | 180° | 110° | 100° | 100° |

● AVAILABLE
 ○ NOT AVAILABLE

♿ Closer available with less than 5.0 lbs. opening force on 36" door.
 * Maximum opening/hold-open point with standard template.
 D = For designer series only.

1460 SERIES

HINGE (PULL) SIDE MOUNTING

MAXIMUM OPENING

110°

Ⓐ = 5-7/8" (149 mm)

Ⓑ = 10-7/8" (276 mm)

or *180°

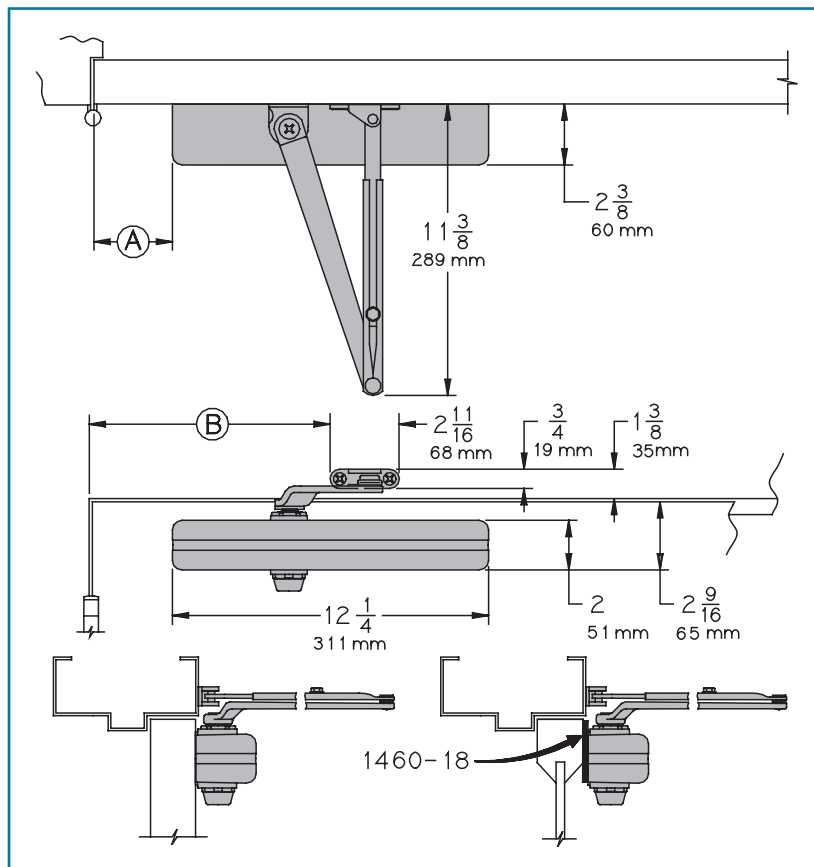
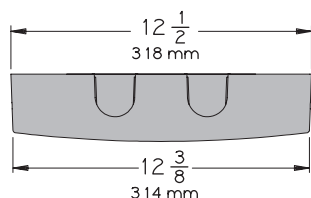
Ⓐ = 2-7/8" (73 mm)

Ⓑ = 7-7/8" (200 mm)

Hold-open points up to maximum opening with hold-open arm.

*Frame and trim permitting.

Optional, Non-handed
Designer Series
Metal Cover



Options

- Delayed action cylinder.
- Hold-open arm.
- ▶ Full cover. (FC)
- Designer Series metal cover.(DS)

Special Templates

Customized installation templates or products may be available to solve unusual applications. Contact LCN Product Support for assistance.

- **Butt Hinges** should not exceed 5" (127 mm) in width.
- **Auxiliary Stop** is recommended at hold-open point or where a door cannot swing 180°.
- **Reveal** should not exceed 3/4" (19 mm) for regular arm or 1/2" (13 mm) for hold-open arm.
- **Top Rail** less than 2-1/2" (64 mm) requires PLATE, 1460-18. With Full cover, use PLATE, 1460-18FC. Plate requires 1-1/2" (38 mm) minimum. With Designer Series metal cover, use PLATE, 1460-18DS1.
- ▶ **Clearance** of 2-3/8" (60 mm) behind door required for installation.
- **Delayed Action** Add suffix "DEL" to selected cylinder (eg. 1461 DEL). Delays closing from 110° to 65° or 160° to 75° depending on templating. Delay time adjustable up to approximately 1 minute.

1460 SERIES

TOP JAMB (PUSH SIDE) MOUNTING

MAXIMUM OPENING

110°

Ⓐ = 6-3/4" (169 mm)

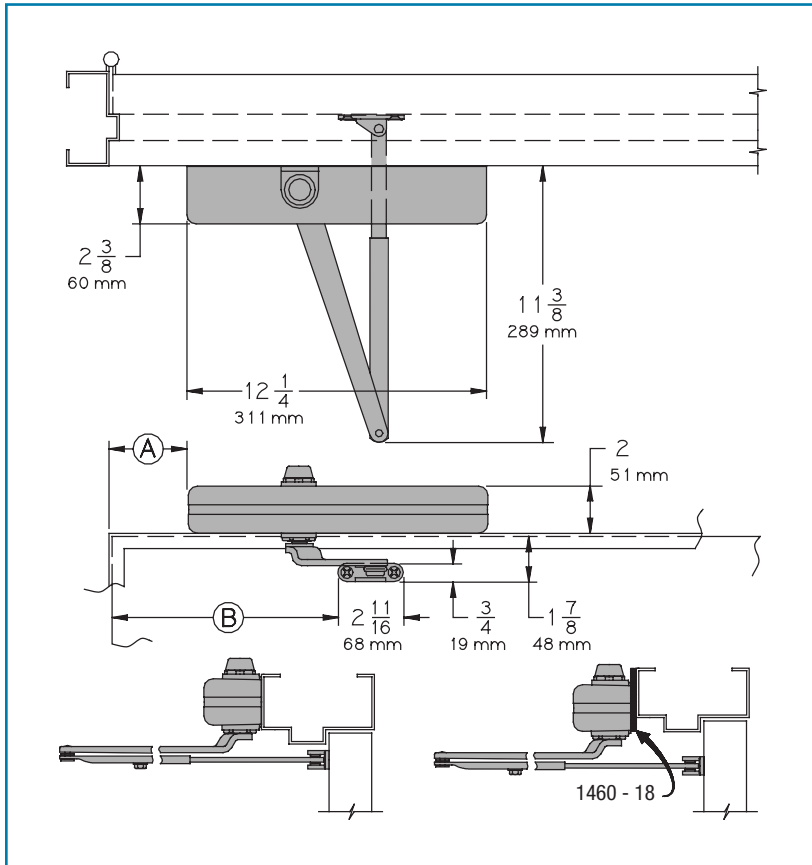
Ⓑ = 11-1/4" (286 mm)

180°

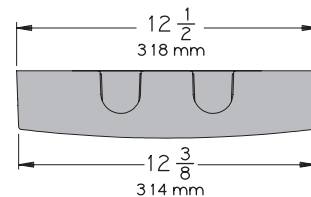
Ⓐ = 3" (76 mm)

Ⓑ = 7-1/2" (191 mm)

Hold-open points up to maximum opening with hold-open arm.



Optional, Non-handed Designer Series Metal Cover



- **Butt Hinges** should not exceed 5" (127 mm) in width.
- **Auxiliary Stop** is recommended at hold-open point or where a door cannot swing 180°.
- **Reveal** of 2-1/2" (64 mm) allows 180° opening with REGULAR HOLD-OPEN ARM. 3-1/2" (89 mm) allows up to 180° opening with REGULAR ARM or 180° with optional LONG HOLD-OPEN ARM when standard head and tube is replaced with optional LONG HEAD AND TUBE, 1460-78HL. 4-7/8" (124 mm) allows up to 140° with REGULAR ARM or LONG HOLD-OPEN ARM. 7" (178 mm) allows up to 140° opening with LONG ARM when standard rod and shoe is replaced with optional LONG ROD AND SHOE, 1460-79LR.
- **Top Rail** requires 1-7/8" (48 mm) minimum. 2-3/4" (70 mm) minimum with closer on PLATE, 1460-18.
- **Head Frame** less than 1-3/4" (44 mm) requires PLATE, 1460-18. For flush ceiling condition with 2" (51 mm) headframe, use PLATE, 1460-18.
- **Delayed Action** Add suffix "DEL" to selected cylinder (eg. 1460 DEL). Delays closing from 110° to 75° or 180° to 95° depending on templating. Delay time adjustable up to approximately 1 minute.

Options

- Delayed action cylinder.
- Long arm, hold-open arm, long hold-open arm.
- Full cover. (FC)
- Designer Series metal cover. (DS)

Special Templates

Customized installation templates or products may be available to solve unusual applications. Contact LCN Product Support for assistance.

1460 SERIES

PARALLEL ARM (PUSH SIDE) MOUNTING

Optional mounting requires PA SHOE, 1460-62PA for REGULAR or HOLD-OPEN arms. Add prefix "P" to closer description (e.g. P1460). P1460 closer includes 1460-201 FIFTH HOLE SPACER to support PA SHOE.

MAXIMUM OPENING

Regular or hold-open arm can be templated for 100°

Ⓐ = 4-1/4" (108 mm)

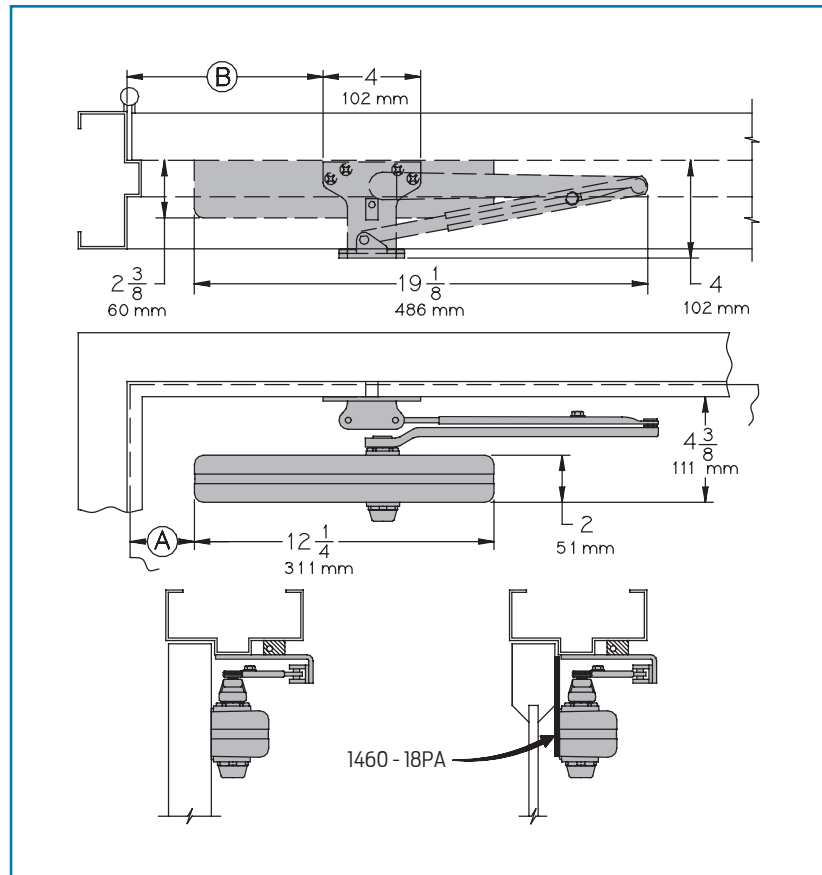
Ⓑ = 9-1/4" (235 mm)

or 180°

Ⓐ = 1-3/4" (44 mm)

Ⓑ = 6-3/4" (171 mm)

Hold-open points up to maximum opening with hold-open arm.



1460 REGULAR OR HOLD-OPEN MOUNT

- **Butt Hinges** should not exceed 5" (127 mm) in width.
- **Auxiliary Stop** is recommended at hold-open point, where a door cannot swing 180°, or where CUSH-N-STOP arm is not used.
- **Clearance** for 1460-62PA shoe is 4" (102 mm) from door face.
- **Top Rail** less than 4-3/8" (111 mm) measured from the stop requires PLATE, 1460-18PA. With Full cover, use PLATE, 1460-18PAFC. Plate requires 1-3/4" (44 mm) minimum. Plate requires 1-1/4" (32 mm) minimum. With Designer Series metal cover, use PLATE, 1460-18PADS1.
- **Head Frame** flush or single rabbeted requires PA SHOE ADAPTER, 1460-418.
- **Stop Width** minimum 1" (25 mm).
- **Blade Stop** clearance, requires 1/2" (13 mm) BLADE STOP SPACER, 1460-61.
- **Auxiliary Shoe**, 1460-62A allows installation of regular arm with overhead holder/stop. Special templating required.
- **Delayed Action** Add suffix "DEL" to selected cylinder (eg. P1460 DEL). Delays closing from maximum opening to approximately 75°. Delay time adjustable up to approximately 1 minute.

Options

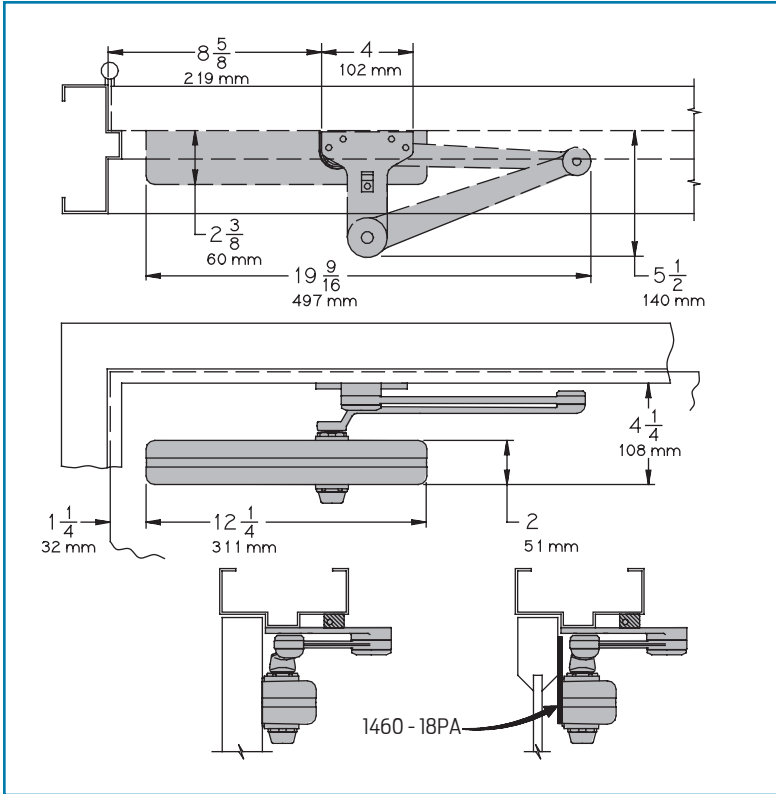
- Delayed action cylinder.
- Hold-open, EDA, HEDA, CUSH, HCUSH, SPRING CUSH, or SPRING HCUSH arms.
- Full cover. (FC)
- Designer Series metal cover. (DS)

Special Templates

Customized installation templates or products may be available to solve unusual applications. Contact LCN Product Support for assistance.

1460 SERIES

1460 EDA MOUNT



1460 EDA OR CUSH-N-STOP MOUNTING

1460 closers ordered with EDA, CUSH or SPRING CUSH arms include 1460-201 FIFTH HOLE SPACER to support the shoe.

MAXIMUM OPENING

EDA template allows 110°. Hold-open point up to maximum opening.

CUSH arms can be templated for maximum opening/hold-open point at 85°.

Ⓐ = 2-3/8" (60 mm)

Ⓑ = 9-9/16" (243 mm)

90°.

Ⓐ = 1-5/8" (41 mm)

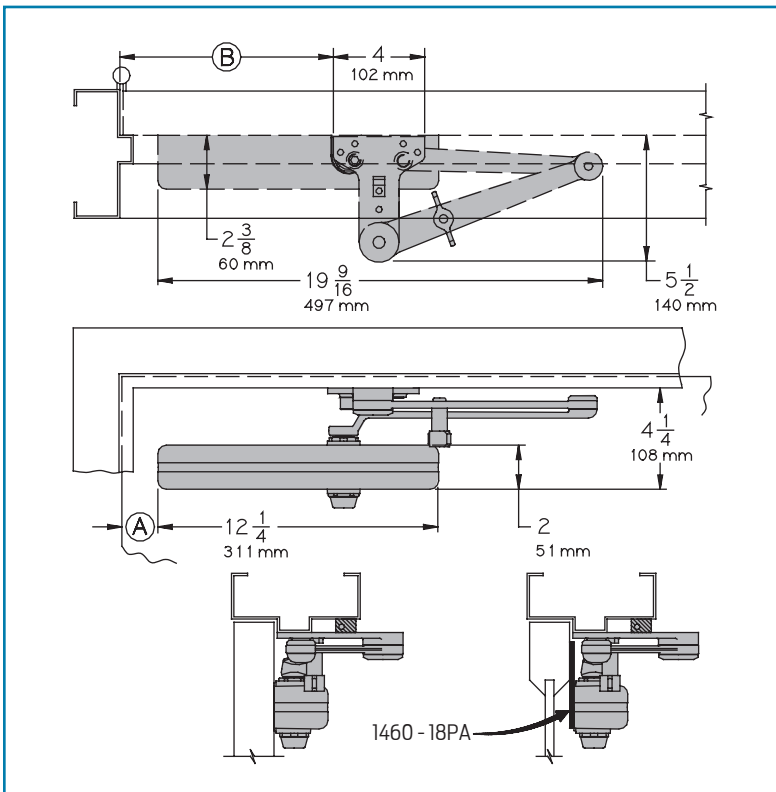
Ⓑ = 9-1/16" (230 mm)

or 100°.

Ⓐ = 5/8" (16 mm)

Ⓑ = 8-1/16" (205 mm)

1460 CUSH MOUNT



- **Spring CUSH** hold open points are approximately 5° less than dead stop point.
- **Clearance** for 1460-62EDA or CUSH shoe is 5-1/2" (140 mm) from door face.
- **Head Frame** flush or rabbeted requires PA FLUSH PANEL ADAPTER, 1460-419.
- **EDA or CUSH ARM** requires SHOE SUPPORT, 1460-30 for fifth screw anchorage where reveal is less than 3-1/16" (78 mm).

1460 SERIES

CYLINDERS

CYLINDER, 1461-3071

Standard, non-handed cast iron cylinder assembly.

ARMS

REGULAR ARM, 1460-3077

Non-handed arm mounts hinge side or top jamb. P1460 closer includes PA SHOE, 1460-62PA required for parallel arm mounting.

PA SHOE, 1460-62PA

Required for parallel arm mounting.

LONG ARM, 1460-3077L

Optional, non-handed arm includes LONG ROD AND SHOE, 1460-79LR for top jamb mount with deep reveals.

HEAVY DUTY REGULAR ARM 1460-3077HD

Optional, heavy duty, forged, non-handed arm, mounts hinge side, top jamb or parallel arm.

HEAVY DUTY LONG ARM 1460-3077HDL

Optional, heavy duty, forged, non-handed arm. Includes long rod and shoe, 1460-79LR for top jamb mounts with deep reveals.

HOLD-OPEN ARM, 1460-3049

Optional, non-handed arm mounts hinge side, top jamb or parallel arm (62PA required). Hold-open adjustable at shoe.

LONG HOLD-OPEN ARM, 1460-3049L

Optional non-handed arm includes LONG HEAD AND TUBE, 1460-3048L for top jamb mount with deep reveals.

EXTRA DUTY ARM, 1460-3077EDA, 1460-3077EDA/G

Optional, non-handed parallel arm features solid forged steel main and forearm for potentially abusive installations. Optional 1460-3077EDA/G for blade stop clearance.

HEDA ARM, 1460-3049EDA

Optional handed arm, provides hold-open function adjustable at shoe.

CUSH-N-STOP® ARM, 1460-3077CNS

Optional, non-handed parallel arm features solid forged steel main arm and forearm with stop in soffit shoe.

HCUSH ARM, 1460-3049CNS

Optional non-handed arm, provides hold-open function with templated stop/hold-open points. Handle controls hold-open function.

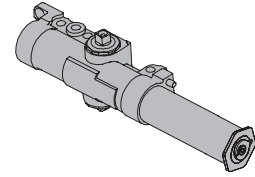
SPRING CUSH ARM, 1460-3077SCNS

Optional, non-handed parallel arm for abusive applications features solid forged steel main arm and forearm with spring loaded stop in the soffit shoe.

SPRING HCUSH ARM, 1460-3049SCNS

Optional, non-handed parallel arm for abusive applications features solid forged steel main arm and forearm with spring loaded stop in the soffit shoe. Handle controls hold-open function.

3071

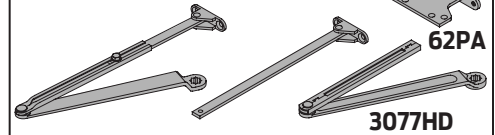


3077

79LR

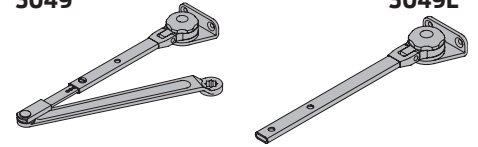
62PA

3077HD



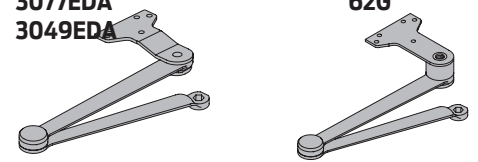
3049

3049L

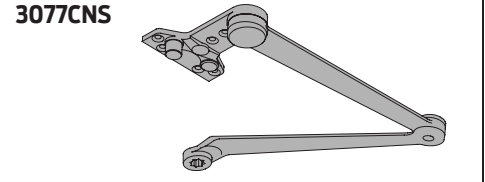


3077EDA
3049EDA

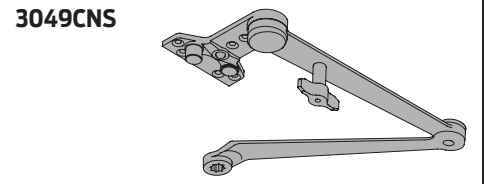
62G



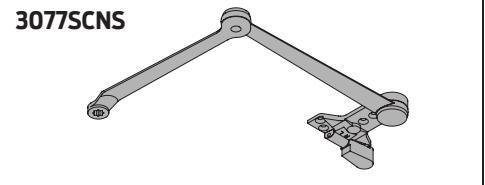
3077CNS



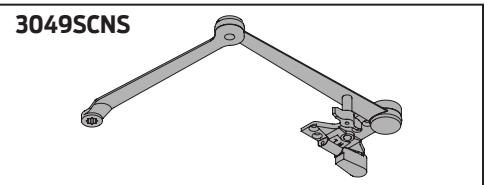
3049CNS



3077SCNS



3049SCNS



1460 SERIES

COVERS

COVER, 1460-72

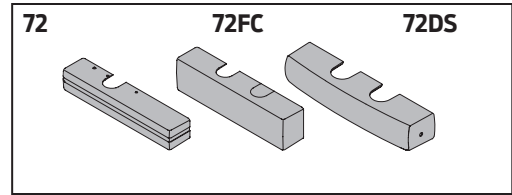
Standard, non-handed, slim line plastic cover with feature strip.

FULL COVER, 1460-72FC

Optional, non-handed, plastic cover provides complete enclosure.

DESIGNER SERIES METAL COVER, 1460-72DS

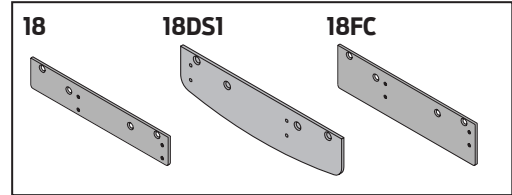
Optional, non-handed designer series metal full cover provides complete enclosure with a stylish look. Required for plating and custom powder coat option.



INSTALLATION ACCESSORIES

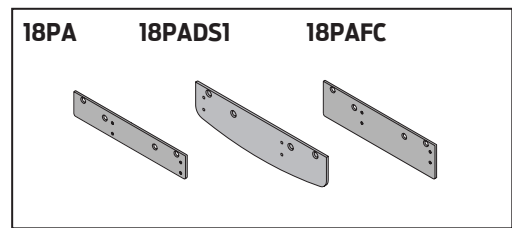
PLATE, 1460-18/1460-18DS1/1460-18FC

Required for hinge side mount where top rail is less than 2-1/2" (64 mm). Required for top jamb mounting where head frame is less than 1-3/4" (44 mm) or flush ceiling condition exists. Plate requires minimum 1-1/2" (38 mm) minimum top rail or 1-1/4" (32 mm) head frame. With full cover, use PLATE, 1460-18FC. With Designer Series metal cover, use PLATE, 1460-18DS1. Note: 18FC and 18DS will not work in top jamb application.



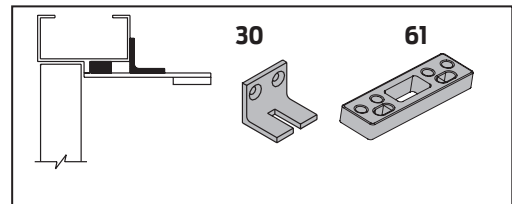
PLATE, 1460-18PA/1460-18PADS1/1460-18PAFC

Required for parallel arm mounting where top rail is less than 4-3/8" (111 mm), measured from the stop. Plate requires 1-3/4" (44 mm) minimum top rail. With full cover, use PLATE, 1460-18PAFC. With Designer Series metal cover, use PLATE, 1460-18PADS1.



CUSH SHOE SUPPORT, 1460-30

Provide anchorage for fifth screw used with CUSH arm where reveal is less than 3-1/16" (78 mm).

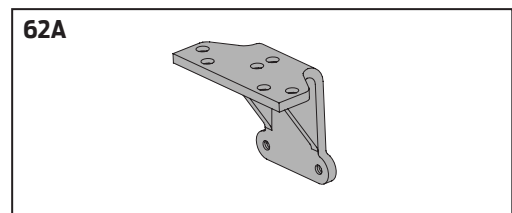


BLADE STOP SPACER, 1460-61

Lowers parallel arm shoe to clear 1/2" (13 mm) blade stop.

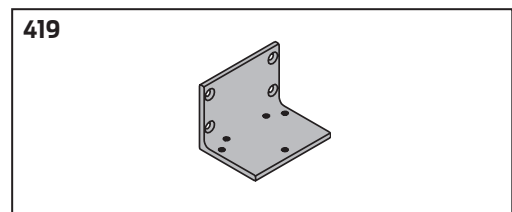
AUXILIARY SHOE, 1460-62A

Requires a top rail of 7" (178 mm). Optional shoe replaces -62PA for parallel arm mounting of regular arm with overhead holder/stop. Special template required.



PA FLUSH PANEL ADAPTER, 1460-419

Provides horizontal mounting surface for PA, EDA, or CUSH shoe on single rabbeted or flush frame.



1460 SERIES

TABLE OF SIZES

Select closer based on width of door.
The spring power of a 1461 cylinder is field adjustable from size 1 through size 6 and is shipped adjusted to size 3.

EXTERIOR (and VESTIBULE) DOOR WIDTH

| | | | | |
|-------|-------|-------|--------|--------|
| 24" | 30" | 36" | 42" | 48" |
| 610mm | 762mm | 914mm | 1067mm | 1219mm |



Minimum Door Width

INTERIOR DOOR WIDTH

| | | | | | |
|-------|-------|-------|--------|--------|--------|
| 24" | 34" | 38" | 48" | 54" | 60" |
| 610mm | 610mm | 965mm | 1219mm | 1372mm | 1524mm |



Minimum Door Width

* Adjustable Size 1 thru 6

→ Indicates recommended range of door width for closer size.

REDUCED OPENING FORCE 1460 CLOSERS

CAUTION! Any manual door closer, including those certified by BHMA to conform to ANSI Standard A156.4, that is selected, installed and adjusted based on ADA or other reduced opening force requirements may not provide sufficient power to reliably close and latch a door.

Refer to POWER OPERATORS section for information on systems that meet reduced opening force requirements without affecting closing power.

| | | | | |
|--|-------------------|------------|------------|------------|
| | DOOR WIDTH | 36" | 42" | 48" |
| | 8.5* lbs. | 1461 | 1461 | 1461 |
| | 5.0* lbs. | 1461 | 1461 | 1461 |

* Maximum opening force.

HOW TO ORDER 1460 SERIES CLOSERS

1. SELECT FINISH

- Standard Powder Coat _____
Aluminum, Dark Bronze, Statuary,
Light Bronze, Black, Brass.

Closer will be shipped with:

- STANDARD CYLINDER,
- STANDARD COVER,
- REGULAR ARM,
- SELF-REAMING and TAPPING SCREWS,
unless options listed below are selected.

CLOSER OPTIONS

CYLINDER

- Delayed Action (DEL)

COVER

- Full cover (FC)
- Designer series cover (DS)

FINISH

- Custom Powder Coat (RAL) _____
(DS cover required)
- Plated Finish, US _____
(DS cover required)
- SRI primer (for use with powder coat finishes only)

ARM

- Regular w/62PA (Rw/PA)
- Long (LONG)
- Regular w/62A (Rw/62A)
- Hold-Open (H)
- Hold-Open w/62PA (Hw/PA)
- Long Hold-Open (HLONG)
- Heavy Duty (HD)
- Heavy Duty w/62A (HD/62A)
- Heavy Duty w/62PA (HD/PA)
- Heavy Duty Long (HDL)
- EDA (optional -62G)
- HEDA (specify right or left hand), (optional -62G)
- Cush-N-Stop (CUSH)
- HCush (HCUSH)
- Spring Cush (SCUSH)
- Spring HCush (SHCUSH)

OPTIONAL SCREW PACKS

- TB* w/Self-Reaming and Tapping Screws (TBSRT)
- Wood & Machine Screw (WMS)
- TB*, Wood & Machine Screw (TBWMS)
- TORX Machine Screw (TORX)
- TB* & TORX Machine Screw (TBTORX)
* Specify door thickness if other than 1-3/4".

SPECIAL TEMPLATE

- ST- _____

INSTALLATION ACCESSORIES

- Plate, 1460-18
- Plate, 1460-18DS
- Plate, 1460-18FC
- Plate, 1460-18PA
- Plate, 1460-18PADS
- Plate, 1460-18PAFC
- CUSH Shoe Support, 1460-30
- Blade Stop Spacer, 1460-61
- Auxiliary Shoe, 1460-62A
- PA Flush Panel Adapter, 1460-419

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