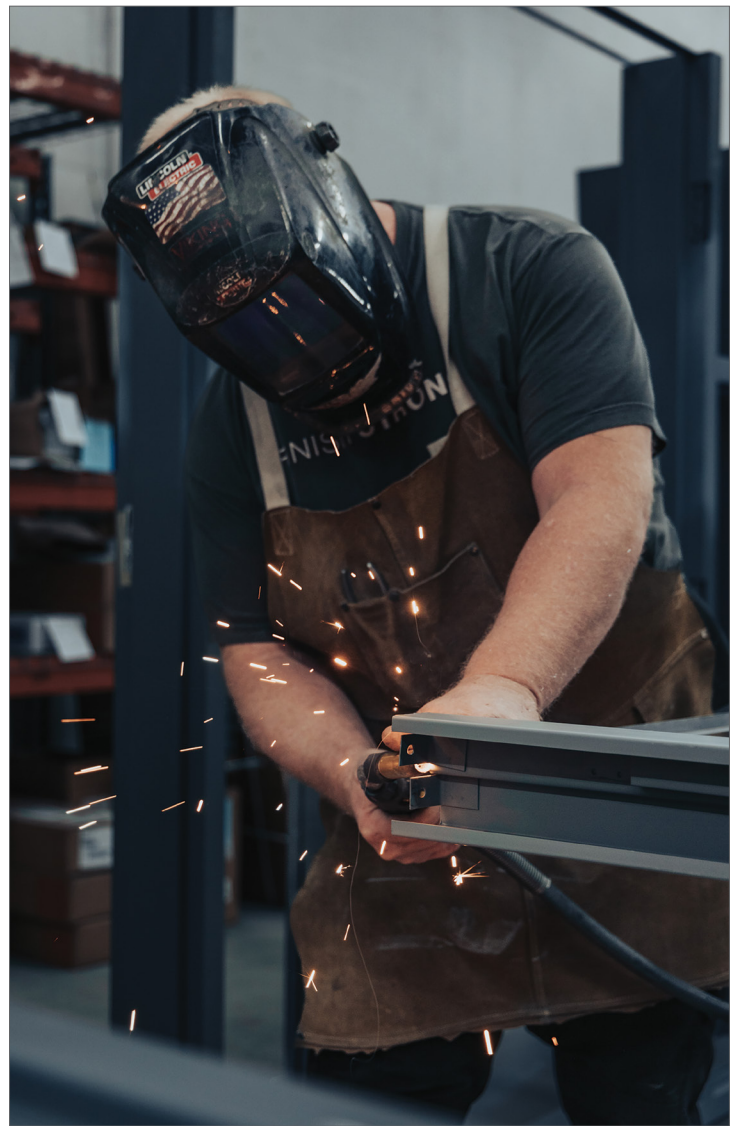


COMMERCIAL



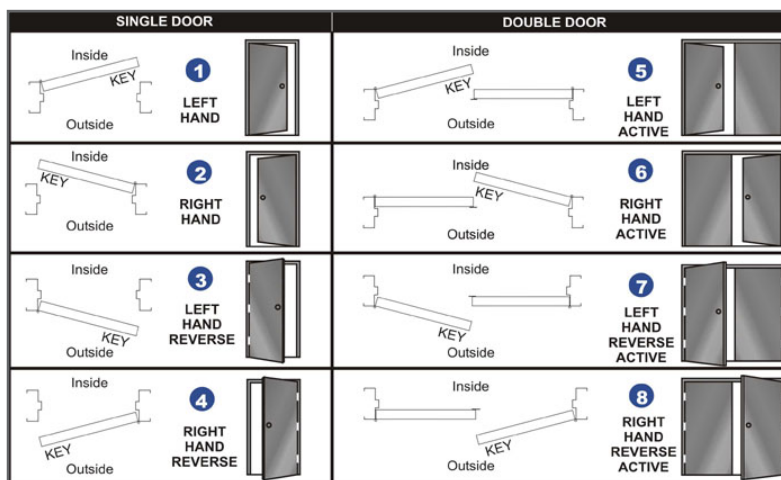


COMMERCIAL HARDWARE

Our Commercial Hardware Division is varied in scope from bidding on commercial projects for fire or non-fire rated openings and plan takeoffs to hollow metal door and frame fabrication in our state of the art metal fabrication and welding shop. From experienced project managers to an extensive product offering, we offer service that is second to none!

Commercial Division Services	564-565
Access Panels	566
Door Louvers & Window Kits	567-568
Door Closers	569-572
Electric Strikes	572-574
Exit Devices & Panic Hardware	574-580
Door Alarms	581
Hollow Metal Door & Frames	582-595





MANUFACTURERS	3068 DOOR				3070 DOOR				3080 DOOR				
	A	B	C	E	A	B	C	E	A	B	C	D	E
Amweld	7 3/8"	37 1/8"	67 1/8"	38 1/8"	7 3/8"	39 3/8"	71 1/8"	42 1/8"	7 3/8"	32 1/8"	58"	83 1/8"	54 1/8"
Ceco	6 3/8"	37 3/8"	68 3/8"	36 1/8"	6 3/8"	39 3/8"	72 3/8"	40 1/8"	6 3/8"	32 3/8"	58 3/8"	84 3/8"	52 1/8"
Curries	4 3/8"	35 3/8"	65 3/8"	38 3/8"	4 3/8"	37 3/8"	69 3/8"	42 3/8"	4 3/8"	30 3/8"	55 3/8"	81 3/8"	54 3/8"
Dean Steel	4 3/8"	35 3/8"	65 3/8"	38 3/8"	4 3/8"	37 3/8"	69 3/8"	42 3/8"	4 3/8"	30 3/8"	55 3/8"	81 3/8"	54 3/8"
Mesker	4 3/8"	35 3/8"	65 3/8"	38 3/8"	4 3/8"	37 3/8"	69 3/8"	42 3/8"	4 3/8"	30 3/8"	55 3/8"	81 3/8"	54 3/8"
Republic	7 3/8"	37 3/8"	67 3/8"	38 3/8"	9 3/8"	39 3/8"	69 3/8"	42 3/8"	4 3/8"	30 3/8"	55 3/8"	81 3/8"	54 3/8"
Steelcraft	7 3/8"	37 3/8"	67 3/8"	38 3/8"	7 3/8"	39 3/8"	71 1/8"	42 3/8"	7 3/8"	32 3/8"	57 1/8"	83 3/8"	54 3/8"
Pioneer	4 3/8"	35 3/8"	65 3/8"	40 3/8"	4 3/8"	37 3/8"	69 3/8"	44 3/8"	4 3/8"	30 3/8"	55 3/8"	81 3/8"	56 3/8"
DKS	7 3/8"	37 3/8"	67 3/8"	38 3/8"	7 3/8"	39 3/8"	71 1/8"	42 3/8"	7 3/8"	32 1/8"	58"	83 3/8"	54 3/8"

OUR TEAM

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Brooke Grisafi

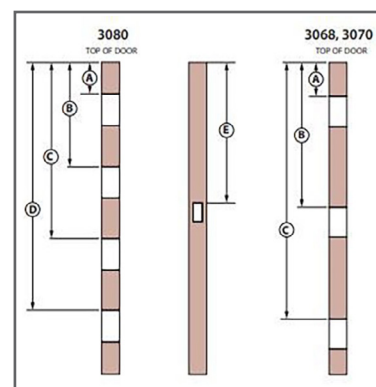
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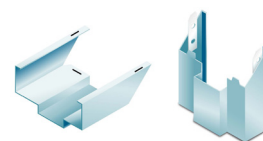
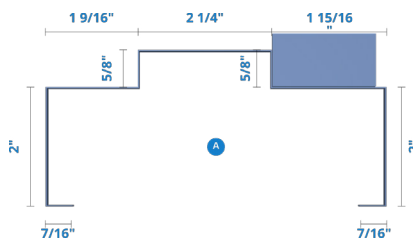
FRAME SOLUTIONS

Stock frames are 16 gage cold rolled steel, unequal rabbet Amweld hinge/strike locations and can be fire rated up to 3 hours. We carry a variety of anchor options.

Our in-house welding team can create side lights, borrowed lights and transoms.

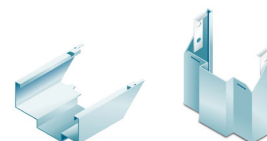
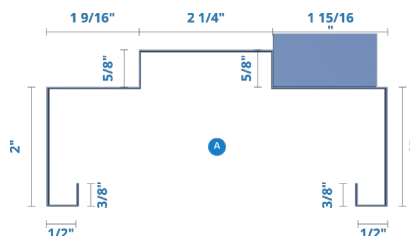
Ceco SU Profile:

- Welded or Knock-Down
- Reinforcement & Preps
- Jamb Depths:
 - 5-3/4" • 7-3/4"
 - 6-1/4" • 8-1/4"
 - 6-3/4" • 8-3/4"



Ceco DU Profile:

- Drywall Knock-Down
- Reinforcement & Preps
- Jamb Depths:
 - 5-3/4"



HARDWARE SOLUTIONS

We stock grade 1 and grade 2 cylindrical locks, exit devices, closers, thresholds, weatherstripping and much more.

Our experienced sales team can assist you with selecting the right hardware for your job. Our in-house locksmith can meet your keying needs.



CYLINDRICAL LOCKS



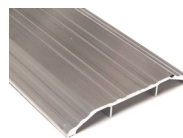
DOOR CLOSERS



EXIT DEVICES



VISION KITS



THRESHOLDS



HINGES

DOOR SOLUTIONS

Stock doors are 18 gage cold rolled steel, polystyrene core, Amweld hinge/lock locations and can be fire rated for up to 3 hours.

ENVOY / ULTRADOR

- 1-3/4" (44.4 mm) insulated full flush design -rated for light to extra-heavy-duty use.
- Core is chemically bonded to face sheets providing total surface support.
- Mechanically interlocked, hemmed vertical edge seams or center edge seam for added strength and rigidity.
- 7 gauge (4.2 mm) steel hinge reinforcement.
- Inverted end channels welded to both face sheets.
- Rust inhibitive prime paint base coat meets ANSI A250.10



VON DUPRIN®

GLYNN-JOHNSON

LCN®



PEMKO
ASSA ABLOY

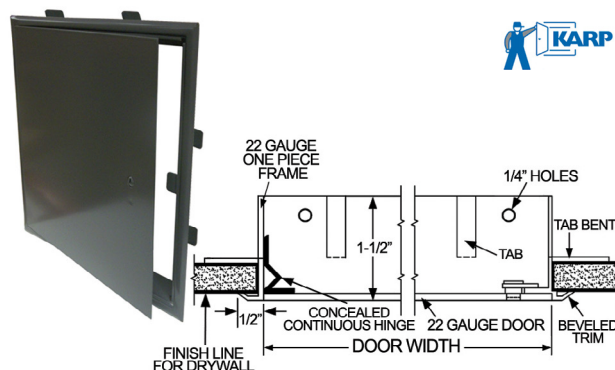


IVES®



Access Doors

Press-Fit Access Door



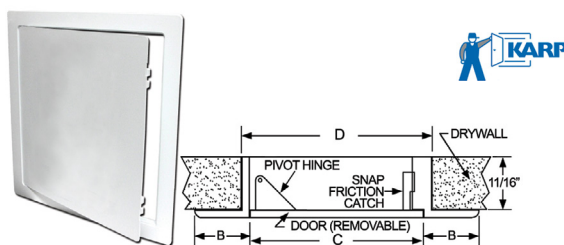
The Press-Fit door is a unique lightweight door that installs easily by bending the tabs on the return back to grip the drywall. The frame, return and doorstop are one-piece construction with a beveled frame resulting in an attractive finished look.

Specifications:

- Trim, return and doorstop one-piece of 22 gauge steel.
- Concealed, continuous piano hinge.
- Flush locks, screwdriver operated with stainless steel cam and stud or cylinder lock with dust shutter.
- Prime coat rust inhibitive electrostatic powder, grey enamel.
- 1/box. Sold individually.

Product #	Door Size	Opening Size
PPF1212S	12" x 12"	11-13/16" x 11-13/16"

Plastic Panel Access Door



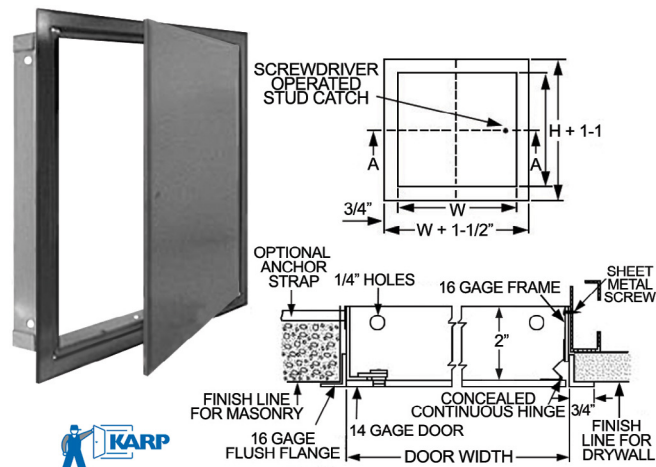
The Handi-Access plastic door is suitable for all surfaces and can be installed easily by applying glue or caulking adhesive.

Specifications:

- Door and frames constructed from 1/8" high impact styrene plastic.
- Pivot hinge enables door panel to be removed and held closed with a snap friction catch & opened without special tools
- White, lightly textured exposed surface for easy painting.
- **HA88-8 Dimensions: B=1", C=7-3/4", D=8".**
- **HA1414-6 Dimensions: B=1-1/4", C=13-3/4", D=14".**
- 1/box. Sold individually.

Product #	Door Size	Opening Size
HA88-8	8" x 8"	7-3/4" x 7-3/4"
HA1414-6	14" x 14"	13-3/4" x 13-3/4"

Universal Access Door



The DSC-214M is a distinctly superior door for new installations or for remodeling. The exposed flange adds rigidity to the unit and perfectly conceals the rough wall opening. Flexible anchor straps can be provided for installation within masonry opening.

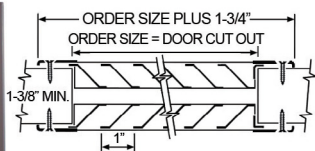
Specifications:

- 16 gauge steel frame and 14 gauge door steel with 3/4" wide trim, one-piece construction.
- Concealed continuous piano hinge.
- Flush lock, screwdriver operated with stainless steel cam and stud or cylinder lock with dust shutter.
- Prime coat rust inhibitive electrostatic powder, gray enamel.
- 1/box. Sold individually.

Product #	Door Size	Opening Size
DSC214M-PS-1212	12" x 12"	12-3/8" x 12-3/8"
DSC214M-PS-2222	22" x 22"	22-3/8" x 22-3/8"
DSC214M-PS-2424	24" x 24"	24-3/8" x 24-3/8"

Door Louvers & Window Kits

Air Louver 700A Door Louver w/ Galvanized Screen

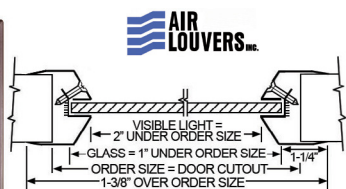


- Features an 18 gauge cold-rolled steel frame with inverted split "Y" blades, non-vision two-piece design for wood or metal doors and wall applications.
- Mitred and welded corners with countersunk mounting holes.
- For minimum 1-3/8" thick doors.
- Includes #8 x 3/4" phillips head screws.
- Includes galvanized screen.
- Finish in mineral bronze baked on powder coat.
- 1/box. Sold individually.



Product #	Cutout Size	Finish
700A1212BZGALV	12" x 12"	Dark Bronze
700A18X12GALV	18" x 12"	Dark Bronze
700A2412BZGALV	24" x 12"	Dark Bronze
700A2424GALV	24" x 24"	Dark Bronze

Slimline Low Profile Beveled Vision Lite For 1/4" Glass



- Constructed of 20 gauge cold-rolled steel.
- Features radius corners, mitred and welded.
- Continuous glass retainer, countersunk mounting holes in bevel return.
- Screws fasten from room side into pre-punched internal mounting holes.
- Mineral bronze baked on powder coat. For 1-3/4" thick doors.
- Includes #8 x 7/8" flathead phillips head SMS.
- **Glass not included.**
- 1/box. Sold individually.

Product #	Cutout Size	Finish
SL627BZ	6" x 27"	Dark Bronze
SL722BZ	7" x 22"	Dark Bronze
SL838BZ	8" x 38"	Dark Bronze
SL1212BZ	12" x 12"	Dark Bronze
SL1832BZ	18" x 32"	Dark Bronze
SL2424BZ	24" x 24"	Dark Bronze
SL2430BZ	24" x 30"	Dark Bronze
SL2432BZ	24" x 32"	Dark Bronze
SL2436BZ	24" x 36"	Dark Bronze
SL2460BZ	24" x 60"	Dark Bronze

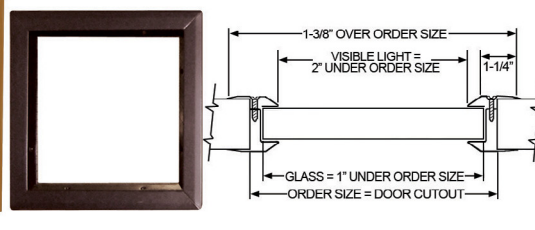
1/4" Safety Rated Tempered Glass



- Air Louver Safety Glass for Non Fire-Rated Applications Requiring Safety-Rated Glazing.
- Heat-treated clear safety glass that breaks into small particles.
- Glass Thickness: 1/4".
- Light Transmission: approx 89%
- Rating: Not a fire-rated product - Safety rating only.
- NOTE: Tempered glass cannot be cut after manufacturing.
- 1/box. Sold individually.

Product #	Size
0526-14T	5" x 26"
0621-14T	6" x 21"
0737-14T	7" x 37"
1111-14T	11" x 11"
1731-14T	17" x 31"
2323-14T	23" x 23"
2329-14T	23" x 29"
2331-14T	23" x 31"
2335-14T	23" x 35"
2359-14T	23" x 59"

Slimline Low Profile Beveled Vision Lite For up to 1" Glass

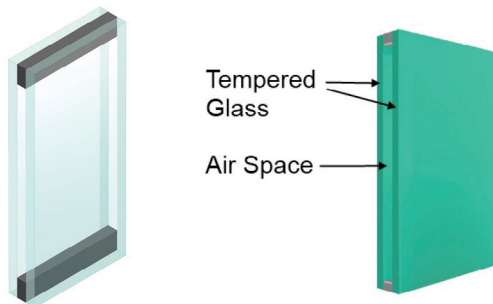


- Constructed of 20 gauge cold-rolled steel. Features radius corners, mitred and welded.
- Continuous glass retainer, countersunk mounting holes in bevel return.
- Screws fasten from room side into pre-punched internal mounting holes.
- Mineral bronze baked on powder coat. For 1-3/4" thick doors.
- Includes #8 x 7/8" flathead phillips head SMS.
- **Glass not included.**
- 1/box. Sold individually.



Product #	Cutout Size	Finish
SLIG6X27BZ	6" x 27"	Dark Bronze
SLIG7X22BZ	7" x 22"	Dark Bronze
SLIG24X30BZ	24" x 30"	Dark Bronze
SLIG24X32BZ	24" x 32"	Dark Bronze
SLIG24X36BZ	24" x 36"	Dark Bronze
SLIG24X60BZ	24" x 60"	Dark Bronze

Insulated Glass Unit, 1" Overall Thickness



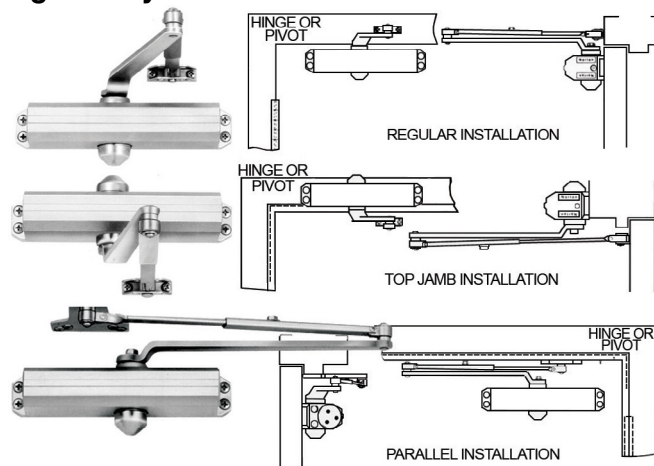
- Air Louver Insulated Glass unit features two panes of tempered glass with spacer in a sealed insulated glass unit.
- Heat-treated clear safety glass that breaks into small particles.
- Inside/Outside Glass Thickness: 1/4".
- Air Space Between Glass: 1/2"
- Overall Thickness: 1"
- Light Transmission: 79%-81%
- Rating: Not a fire-rated product - Safety rating only.
- 1/box. Sold individually.



Product #	Size
INSU-0526-01T	5" x 26"
INSU-0621-01T	6" x 21"
INSU-1111-01T	11" x 11"
INSU-2329-01T	23" x 29"
INSU-2331-01T	23" x 31"
INSU-2335-01T	23" x 35"
INSU-2359-01T	23" x 59"

Door Closers

1601 Series Utility/Storefront Door Closer Light-Duty



- Light duty door closers for interior or exterior doors with low to moderate traffic.
- **Multisize;** Adjustable spring size 3-6 power range standard.
- **Non-handed.**
- **Tri-Packed:** Hardware for regular arm, top jamb and parallel arm mount.
- **Certifications:** UL listed; ANSI A156.4, Grade 1; UL10C.
- Standard, separate and independent, latch, sweep and backcheck intensity valves.
- 180° opening, conditions permitting.
- Rack-and-pinion design; cast aluminum body.

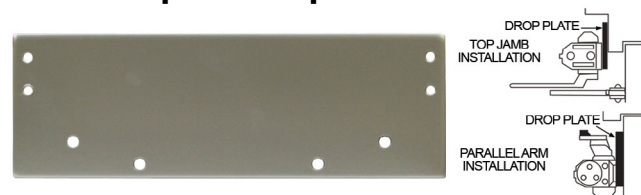
Specifications:

- Horizontal Hole Spacing: 9-1/4" (235mm).
- Vertical Hole Spacing: 3/4" (19mm).
- Projection: 2-7/8" (73mm).
- **Options:** 1601BF Barrier Free - 1 thru 4 power range for A.D.A.
- 6/box. Sold individually.

Norton
ASSA ABLOY

Product #	Description	Finish
1601-689-SNB	Tri-Packed, Universal Arms	Aluminum
1601-690-SNB	Tri-Packed, Universal Arms	Dark Bronze
1601H-689-SNB	Tri-Packed, Hold-Open Arm	Aluminum
1601-696-SNB	Tri-Packed, Non-Handed	Gold

Narrow Top Rail Drop Plate for 1600 Series

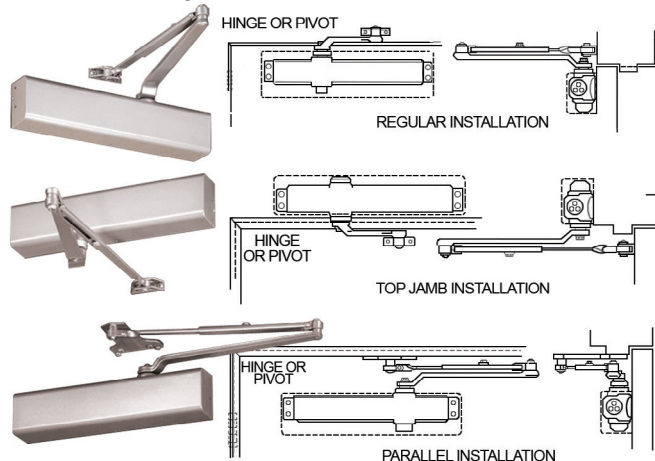


- **Overhead Door Holder - #1688 Drop Plate:**
- **Top Jamb:** For use where a overhead door holder prevents normal top jamb mounting. Center line of the arm mounting screws is 3-1/2" from the top of the door.
- **Parallel Arm:** Narrow Top Rail - #1688 Drop Plate: For use where a narrow top rail prevents the closer from being mounted directly to the door surface. This drop plate can be used to mount a closer on a top rail as narrow as 3-1/8" in height for 1600BC or 2-1/8" for 1680BC.
- **Overall size:** 9-3/4" x 3-1/4".
- 1/box. Sold individually.

Norton
ASSA ABLOY

Product #	Finish
1688-AL	Aluminum

8501 Series Architectural Door Closer Medium-Duty



- Medium duty door closers are typically used on interior or exterior doors that experience moderate to high traffic/usage.
- **Multisize:** Adjustable spring size 1 to 6 standard (ADA Compliant).
- **Non-handed.**
- **Tri-Packed:** Hardware for regular arm, top jamb and parallel arm mounting installations standard.
- **Certifications:** UL listed; ANSI/BHMA A156.4, Grade 1; UL10C, ADA Compliant.
- Cast aluminum body; molded plastic cover.
- Standard, separate and independent, latch, sweep and adjustable backcheck intensity valves.
- All standard arm applications swing 180° conditions permitting.
- Backcheck positioning valve.

Specifications:

- Horizontal Hole Spacing: 12" (305mm)
- Vertical Hole Spacing: 3/4" (19mm).
- Piston size: 1-1/4" (32mm) diameter.
- Projection: 2-1/8" (54mm).

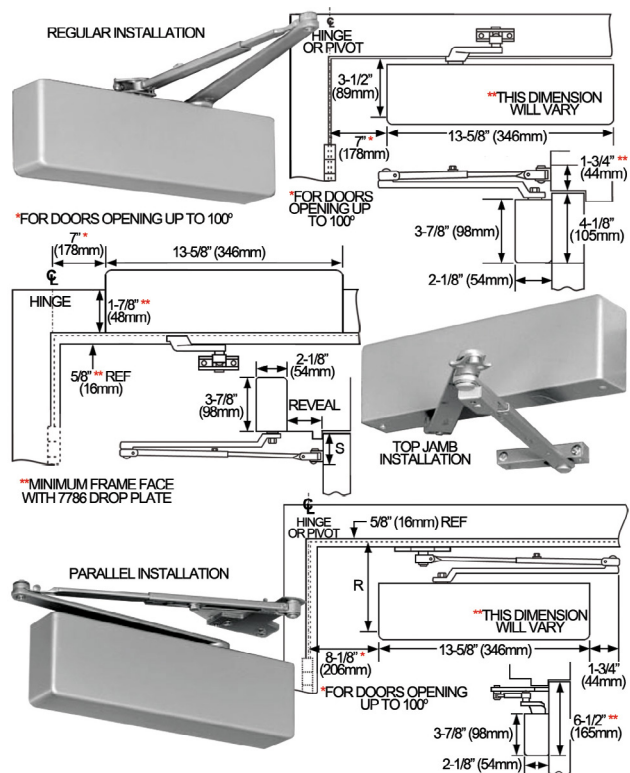
Options:

- 8501H: Hold-open arm - 90°-180° hold open.
- 4/box. Sold individually.

Norton
ASSA ABLOY

Product #	Description	Finish
8501-689-SNB	Tri-Packed, Universal Arms	Aluminum
8501-690-SNB	Tri-Packed, Universal Arms	Dark Bronze
8501H-689-SNB	Tri-Packed, Hold-Open Arm	Aluminum

7500 Series Institutional Door Closer



Norton
ASSA ABLOY

- Heavy duty door closers should be used on interior or exterior doors that are subject to high traffic/usage.
- **Multisize:** Adjustable spring size 1 to 6 standard (ADA Compliant).
- **Non-handed.**
- **Tri-Packed:** Hardware for regular arm, top jamb and parallel arm mounting installations standard.
- **Certifications:** UL listed; ANSI/BHMA A156.4, Grade 1; UL10C, ADA Compliant.
- Cast aluminum body; molded plastic cover.
- Standard, separate and independent, latch, sweep and adjustable backcheck intensity valves.
- All standard arm applications swing 180° conditions permitting.
- Backcheck positioning Valve.

Specifications:

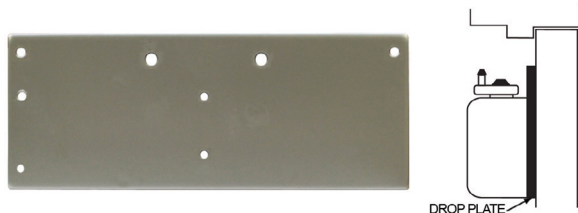
- Horizontal Hole Spacing: 6-3/4" (171mm).
- Vertical Hole Spacing: 2-3/8" (60mm).
- Projection: 2-3/16" (56mm).
- Piston Size: 1-1/2" (38mm) diameter.

Options:

- 7500H: Hold-open arm - 90°-180° hold open.
- PR7500: Parallel rigid arm - available with a solid one-piece secondary arm.
- 7500DA: Adjustable delayed action closing. Furnished with backcheck feature.
- CLP7500: Closer plus arm (parallel arm only), closer & overhead holder & positive stop at 85°.
- 4/box. Sold individually.

Product #	Description	Finish
7500-689-SNB	Tri-Packed, Universal Arms	Aluminum
7500-690-SNB	Tri-Packed, Universal Arms	Dark Bronze
7500-696-SNB	Tri-Packed, Universal Arms	Gold
7500DA-689-SNB	Tri-Packed, Delayed Action Feature	Aluminum
7500H-689-SNB	Tri-Packed, Hold-Open Arm	Aluminum
CLP7500689SNB	CloserPlus Parallel Arm	Aluminum
PR7500689SNB	Parallel Rigid Arm	Aluminum

Narrow Top Rail Drop Plate, Parallel Arm for 7500/7700 Series

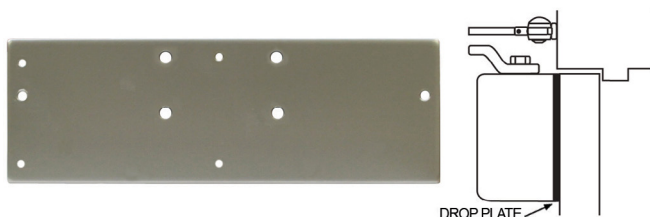


- For use where a narrow top rail prevents the closer from being mounted directly to the door surface.
- This drop plate can be used to mount a closer on a top rail as narrow as 2-1/2" in height.
- Overall Size: 13-5/8" x 5-1/8".
- 1/box. Sold individually.

Norton
ASSA ABLOY

Product #	Finish
7788	Aluminum

Narrow Top Rail Drop Plate, Regular Arm for 7500/7700 Series



- For use where the narrow top rail of the door prevents the closer from being mounted directly to the door surface.
- This drop plate must be used for closer mounted on a top rail between 1-7/8" and 3-3/8" in height.
- Overall size: 13-5/8" x 3-15/16".
- 1/box. Sold individually.

Norton
ASSA ABLOY

Product #	Finish
7786	Aluminum

TDC90 Series Door Closer - Barrier Free Medium-Duty



TownSteel
Architectural Hardware MFG

- Designed for medium-traffic applications, both for interior and exterior use.
- **Mounting:** Tri-Packed with regular, parallel and top-jamb mounting, instructions and full size template.
- **Certifications:** UL listed; ANSI/BHMA A156.4, Grade 1; UL10C, ADA Compliant
- **Multisized:** Barrier free: spring adjustment from size 2 to 4.
- Aluminum cast body, non handed.
- Precision rack and pinion construction.
- 1-13/32" diameter piston.
- UL listed molded plastic full cover standard.
- Separate and adjustable latch, sweep, and backcheck valves.
- All-weather fluid, allowing door closer to perform in temperatures ranging from -31°F to 140°F.
- 1/box. Sold individually.

Product #	Description	Finish
TDC90BF-ALUM	Tri-Packed, Barrier Free	Aluminum
TDC90BF-DURO	Tri-Packed, Barrier Free	Duronotic Bronze
TDC90-NDP-ALUM	Drop Plate	Aluminum

TDC40 Series Door Closer Heavy-Duty



TownSteel
Architectural Hardware MFG

- For commercial and industrial heavy traffic applications, exterior or interior.
- **Mounting:** Tri-Packed with regular, parallel and top-jamb mounting, instructions and full size template.
- **Certifications:** ANSI/BHMA A156.4, Grade 1; UL10C, ADA Compliant
- **Multisize:** Adjustable spring power from size 1 to size 6, factory preset size 3.
- Heavy duty aluminum body, non handed.
- Precision rack and pinion construction.
- UL listed molded plastic full cover standard.
- Separate and adjustable latch, sweep, and backcheck valves.
- 1/box. Sold individually.

Product #	Description	Finish
TDC40-ALUM	Tri-Packed, Universal Arms	Aluminum
TDC40-CUSH-ALUM	Parallel Cush Arm	Aluminum
TDC40HOA-ALUM	Parallel Hold Open Arm	Aluminum

TDC70 Series Door Closer - Barrier Free Medium/Heavy-Duty



- Designed for high-traffic applications, both for interior and exterior use.
- **Mounting:** Tri-Packed with regular, parallel and top-jamb mounting, instructions and full size template.
- **Certifications:** UL listed; ANSI/BHMA A156.4, Grade 1; UL10C, ADA Compliant
- **Multisize:** Barrier free: spring adjustment from size 1 to 4.
- Heavy duty aluminum cast body, non handed.
- Barrier Free, Delay closing action.
- Precision rack and pinion construction, 7/16" diameter pinion.
- UL listed molded plastic full cover standard.
- Separate and adjustable latch, sweep, and backcheck valves.
- All-weather fluid, allowing door closer to perform in temperatures ranging from -31°F to 140°F.

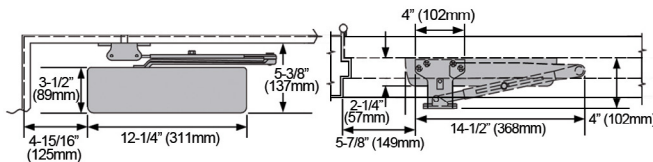
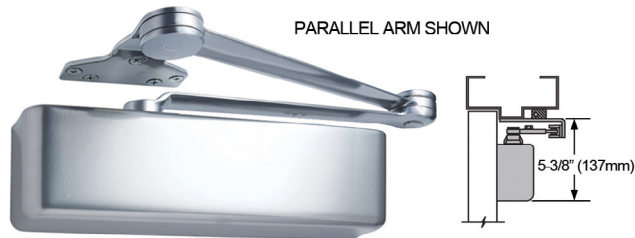
Specifications:

Mounting Holes on body spaced center to center as follows:

- Horizontal Hole Spacing: 11-1/8in.(282.5mm)
- Vertical Hole Spacing (3 holes): Spaced at 9/16in.(14.3mm) center-to-center.
- Projection (with cover): 2-1/2in.(64mm)
- Piston Size: 1-1/2in.(38mm) diameter
- 1/box. Sold individually.

Product #	Description	Finish
TDC70BF-ALUM	Tri-Packed, Barrier Free	Aluminum
TDC70BF-DURO	Tri-Packed, Barrier Free	Duronatic Bronze

4040XP Series Door Closer - Heavy Duty



- Heavy duty closer for demanding, high use and abuse applications.
- **Non-sized** cylinder is adjustable for interior doors to 5'0" and exterior doors to 4'0".
- **ADA Compliant; Non-handed.**
- **Mounting:** Hinge side, top jamb, and parallel arm.
- **Certifications:** ANSI Standard A156.4, grade one.
- Cast iron; forged steel main arm, standard plastic cover, thru-bolts.
- Double heat treated steel pinion and all weather fluid.
- LCN® Fast™ Power Adjust.
- UL and cUL listed for self-closing doors without hold-open.
- 4/box. Sold individually.

LCN®

Product #	Description	Finish
4040XP-ALXTB-RWPA	Universal Arm	Aluminum
4040XP-STATXTB-RWPA	Universal Arm	Statuary Bronze
4040XP-DKBRZXTB-RWPA	Universal Arm	Dark Bronze
4040XP-CUSH-ALXTBMS	Cush Arm w/Overhead Stop	Aluminum
4040XP-EDA-ALXTBMS	Heavy-Duty Arm	Aluminum
4040XP-H-PA-ALXTBMS	Parallel Arm w/Hold Open	Aluminum

Top Jamb Door Plate - For 4040XP Series

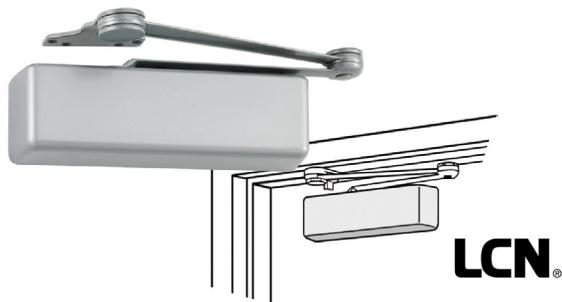


LCN®

- Centers top jamb mounted closer vertically on head frame where face is less than 3-1/2". Requires 1-3/4" min. head frame.
- 1/box. Sold individually.

Product #	Finish
4040-18TJAL	Aluminum

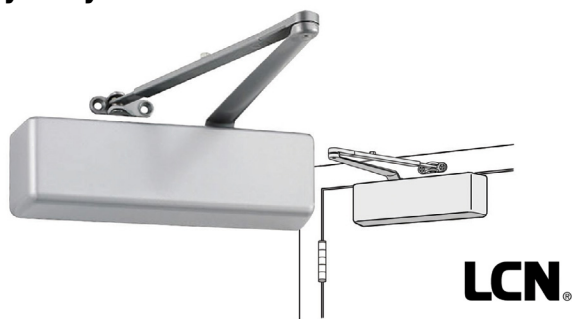
4111 Series Door Closer, Parallel Arm Heavy-Duty



- Heavy duty, parallel arm closer designed for institutional and other high traffic applications.
- **Non-sized** cylinder is adjustable for interior doors to 4'6" and exterior doors to 3'6".
- **ADA Compliant.**
- **Mounting:** Specifically designed for parallel arm mounting.
- **Certifications:** ANSI Standard A156.4, grade one.
- Cast iron; forged steel main arm, standard plastic cover, thru-bolts.
- Double heat treated steel pinion and all weather fluid.
- LCN® Fast™ Power Adjust.
- UL and ULC listed for self-closing doors without hold-open.
- 4/box. Sold individually.

Product #	Description	Finish
4111EDA-ALXTB-LH	Heavy-Duty Parallel Arm - LH	Aluminum
4111EDA-ALXTB-RH	Heavy-Duty Parallel Arm - RH	Aluminum
4111CUSH-ALXTB-LH	Cush Arm w/Overhead Stop - LH	Aluminum
4111CUSH-ALXTB-RH	Cush Arm w/Overhead Stop - RH	Aluminum

4011 Series Door Closer, Regular Arm Heavy-Duty

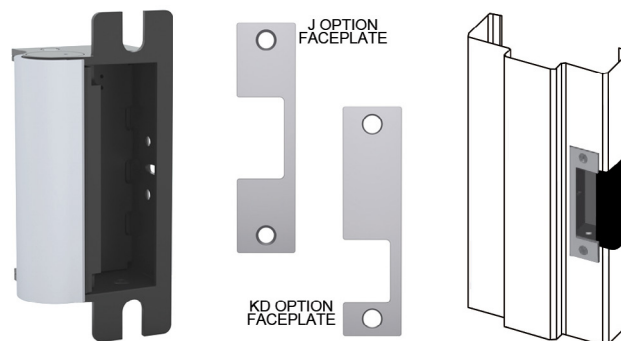


- The 4011 Smoothee Series is a heavy duty, regular arm closer designed for institutional and other high traffic applications.
- **Non-sized** cylinder is adjustable for interior doors to 4'6" and exterior doors to 3'6".
- **ADA Compliant.**
- **Mounting:** This handed closer is specifically designed for regular arm mounting.
- **Certifications:** Tested and certified under ANSI Standard A156.4, grade one.
- Cast iron; forged steel main arm, standard plastic cover, thru-bolts.
- Double heat treated steel pinion and all weather fluid.
- LCN® Fast™ Power Adjust.
- UL and ULC listed for self-closing doors without hold-open.
- 1/box. Sold individually.

Product #	Description	Finish
4011ALXTBLH	Regular Arm	Aluminum
4011ALXTBRH	Regular Arm	Aluminum

Electric Strikes

HES 1006 Series Electric Strike



The HES 1006 series is the strongest and most versatile electric strike available. The dual interlocking plunger design and heavy duty stainless steel construction, enables it to exceed every standard developed for electric strikes.

Standard Features:

- Fail secure (fail safe available by special order).
- Dual voltage 12VDC or 24VDC continuous duty.
- .45 Amps @ 12VDC continuous duty; .25 Amps @ 24VDC continuous duty.
- Non-handed.
- Static strength 3,070 lbs. (fail secure).
- Dynamic strength 350 ft-lbs. (fail secure).
- Endurance 1,000,000 cycles.
- For metal or wood frames.
- Internally mounted solenoid.
- Accommodates up to 1" deadbolt.
- Plug-in connector.
- Full keeper shims for horizontal adjustment.
- Trim enhancer.
- **NOTE: Latch faceplate sold separately.**

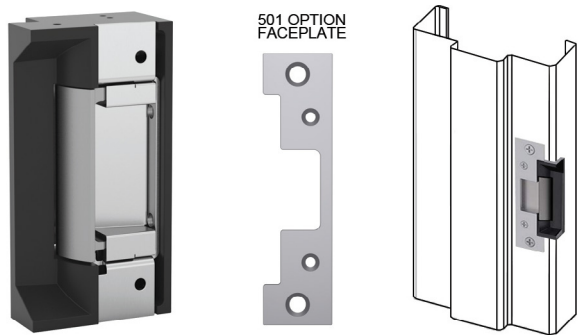
Specifications:

- UL 10C fire-rated, 3 hour single door (fail secure only) .
- UL 10C fire-rated, 1-1/2 hour double door (fail secure only) .
- UL 1034, burglary-resistant listed.
- ANSI/BHMA A156.31, Grade 1.
- Five year limited warranty.
- 1/box. Sold individually.

Product #	Description	Finish
1006U-24VDC-630	Electric Strike	Satin Stainless Steel
J-OPTION-KIT-630	J-Option Faceplate	Satin Stainless Steel
KD-OPTION-KIT-630	KD-Option Faceplate	Satin Stainless Steel



HES 5000 Series Electric Strike



The HES 5000 series is a compact, heavy-duty, high performance electric strike designed for low profile openings where there is limited space behind the jamb. This includes narrow style aluminum jambs and jambs with protruding glass inside. **The grade 1, low profile solution for cylindrical locksets.**

Standard Features:

- Field selectable fail secure/ fail safe.
- Dual voltage 12 or 24 VDC/VAC.
- .24 Amps @ 12VDC/VAC; .12 Amps @ 24VDC/VAC. DC continuous duty/AC intermittent duty only.
- Non-handed.
- For metal or wood frames.
- Internally mounted solenoid.
- Accommodates 1/2" - 5/8" latchbolt (5/8" with 1/8" door gap).
- Plug-in connector.
- Trim enhancer.
- **NOTE: Latch faceplate sold separately.**

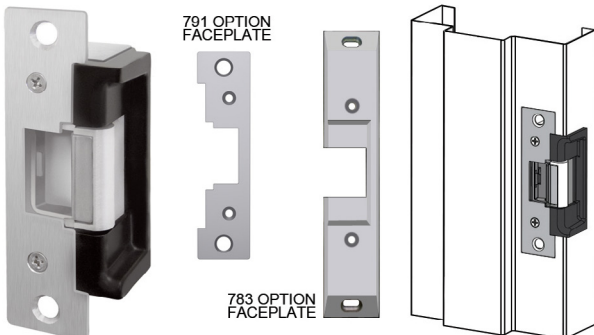
Specifications:

- Static strength 1,500 lbs.
- Dynamic strength 70 ft-lbs.
- Endurance 500,000 cycles.
- UL 1034 burglary-resistant listed and suitable for outdoor use.
- ANSI/BHMA A156.31, Grade 1.
- MEA New York City accepted.
- Patent #5,934,720.
- Five year limited warranty.
- 1/box. Sold individually.



Product #	Description	Finish
5000C-630	Electric Strike	Satin Stainless Steel

HES 7000 Series Electric Strike



Modular design features a dual pre-load solution for cylindrical latch bolts and rim exit devices. Accommodates various types of latchbolts from 5/8" to 3/4" throw. The unique design of the keeper module allows the unit to operate under excessive door loading (approximately 30 lbs.) The heavy duty construction of the 7000 series electric strikes makes them ideal for high usage applications.

Standard Features:

- Field selectable fail secure/ fail safe.
- Tamper resistant
- .45 Amps @ 12VDC/VAC; .25Amps @ 24VDC/VAC.
- Non-handed.
- For metal or wood frames.
- Accommodates pre-load (fail secure only).
- Horizontal adjustment.
- Internally mounted solenoid.
- Accommodates pre-loaded cylindrical & rim exit locksets with 5/8"-3/4" latchbolts.
- Plug-in connector.
- Trim enhancer (791 and 792 options, sold separately)
- **NOTE: Latch faceplate sold separately.**

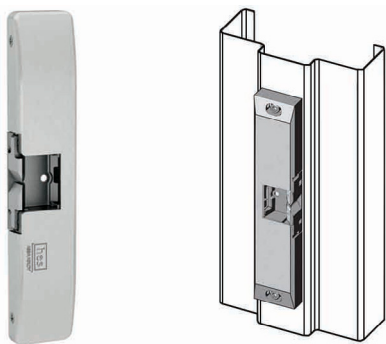
Specifications:

- Static strength 1,500 lbs. (791 and 792 options).
- Dynamic strength 70 ft-lbs. (791 and 792 options).
- Static strength 1,000 lbs. (783S, 786S and 789S options).
- Dynamic strength 50 ft-lbs. (783S, 786S and 789S options).
- Endurance 500,000 cycles.
- UL 1034, burglary-resistant listed.
- ANSI/BHMA A156.31, Grade 1 (791 and 792 options).
- ANSI/BHMA A156.31, Grade 2 (783S, 786S and 789S options).
- MEA New York City accepted.
- Patent #5,484,180.
- Five year limited warranty.
- 1/box. Sold individually.



Product #	Description	Finish
7000C-630	Electric Strike	Satin Stainless Steel
783-OPTION-630	783-Option Faceplate	Satin Stainless Steel

HES 9600 Series Electric Strike



The HES 9600 is the only surface mounted electric strike designed with the strength and durability required to exceed the severe forces of ANSI Windstorm testing.

Standard Features:

- Completely surface mounted.
- Field selectable fail safe/fail secure.
- Dual voltage 12VDC or 24VDC continuous duty.
- .45 Amps @ 12VDC continuous duty; .25 Amps @ 24VDC continuous duty.
- Non-handed.
- Static strength 1,500 lbs.
- Dynamic strength 70 ft-lbs.
- Endurance 1,000,000 cycles.
- For metal or wood frames.
- Internally mounted solenoid.
- Plug-in connector.
- Horizontal adjustment.
- Accommodates up to 3/4" Pullman latch.

Specifications:

- UL 10C fire-rated, 3 hour single door (fail secure only) .
- UL 10C fire-rated, 1-1/2 hour double door (fail secure only) .
- UL 1034, burglary-resistant listed.
- ANSI/BHMA A156.31, Grade 1.
- Five year limited warranty.
- 1/box. Sold individually.

Product #	Finish
9600U630	Satin Stainless Steel

Exit Devices & Panic Hardware

22/22-F Rim Exit Device



- **22EO:** Rim exit device for all types of single and double doors with mullion, UL listed for Panic Exit Hardware.
- **22EOF:** Rim fire exit devices for all types of single doors up to 4' x 8' (1219mm x 2438mm) or 8' x 8' (2438mm x 2438mm) double doors with 9954 or 9854 mullion, UL listed for Fire Exit Hardware.
- Devices are ANSI A156.3, 2008 Grade 1.
- Covers hollow metal doors with 161* cutouts & fits door stiles as narrow as 3-13/16".
- Nonhanded; Field sizeable.
- Latch bolt: deadlocking, 3/4" throw.
- Strikes: Furnished standard with 299 strike in dull black finish.
- 22EO: Hex key dogging standard. 22EOF: No mechanical dogging
- **Outside trim sold separately.**

Specifications:

- **Device length:** 3' - for 2'6" to 3' (762mm to 914mm) door size
- **Device length:** 4' - for 3'2" to 4' (940mm to 1219mm) door size.
- **Device centerline from finished floor:** 39-13/16" (1011mm); 39-11/16" (1008mm) with mullion
- **Touchbar projection:** Neutral: 3-3/4" (95mm); Depressed: 3" (76mm)
- **Center case:** 4-1/4" x 1-3/8" x 2-3/8" (108mm x 41mm x 60mm)
- 1/box. Sold individually.

Product #	Description	Finish
22EO-SP28-30	3' Rim Exit Device	Aluminum
22EO-SP28-40	4' Rim Exit Device	Aluminum
22EOF-SP28-30	3' Rim Exit Device, Fire-Rated	Aluminum

22 Series Exit Trims

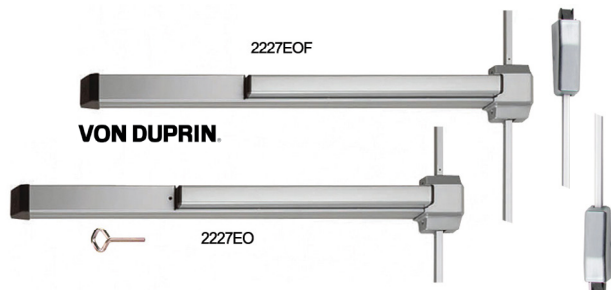


- Exit trims for Von Duprin 22 Series.
- Cylinders must be ordered separate, unless noted.
- 1/box. Sold individually.

VON DUPRIN.

Product #	Description	Finish
210K-SP28	Keyed Knob, includes cylinder	Aluminum
230DT-SP28	Dummy trim, pull when dogged	Aluminum
230EO-SP28	Exit only, blank plate	Aluminum
230L-BE-SP28	Passage Lever with blank escutcheon	Aluminum
230L-SP28	Lever, key locks and unlocks	Aluminum
230NL-SP28	Night latch, key retracts latchbolt	Aluminum
230TP-SP28	Thumbpiece, key locks and unlocks	Aluminum

2227/2227-F Surface Mounted Vertical Rod Exit Device



- **2227:** Surface mounted vertical rod exit device for all types of single and double doors, UL listed for Panic Exit Hardware.
- **2227EOF:** Rim fire exit devices for all types of single doors up to 4' x 8' (1219 mm x 2438 mm) or 8' x 8' (2438mm x 2438mm) double doors with 9954 or 9854 mullion, UL listed for Fire Exit Hardware.
- Devices are ANSI A156.3 – 2008 Grade 1.
- Covers stock hollow metal doors with 86 or 161 cutouts.
- Fits door stiles as narrow as 3 5/8" (92mm).
- Nonhanded; Field sizeable.
- Latchbolt: Deadlocking anti-friction top and bottom bolt, 5/8" (16 mm) throw.
- Strikes: Furnished standard with 299F, 248L4 & 304L strikes in dull black finish.
- 2227EO: Hex key dogging standard. 2227EOF: No mechanical dogging
- **Outside trim sold separately.**

Specifications:

- **Device length:** 3' (914mm) - for 2'6" to 3' (762mm to 914mm) door size
- **Door Height:** 7' standard, can be cut to size. Longer lengths also available by special order.
- **Touchbar height to finished floor:** 39-13/16" (1011mm) at center.
- **Touchbar projection:** Neutral: 3-3/4" (95mm); Depressed: 3" (76mm).
- **Center case:** 4-1/4" x 1-3/8" x 2-3/8" (108mm x 41mm x 60mm).
- **Door undercut:** 1/4" (7mm) from finished floor recommended, 3/4" (19mm) maximum or 1/8" (3mm) from threshold
- 1/box. Sold individually.

Product #	Description	Finish
2227EO-SP28-30	3' Exit Device	Aluminum
2227EOF-SP28-30	3' Exit Device, Fire-Rated	Aluminum

22 Series Exit Trims

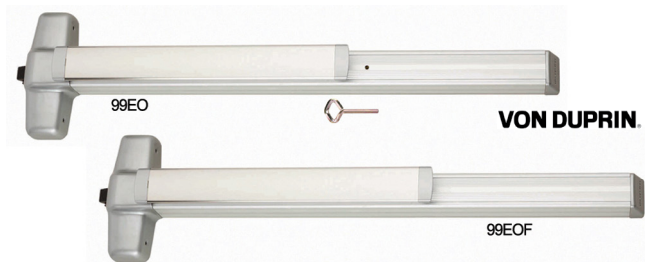


- Exit trims for Von Duprin 22 Series.
- Cylinders must be ordered separate, unless noted.
- 1/box. Sold individually.

VON DUPRIN.

Product #	Description	Finish
210K-SP28	Keyed Knob, includes cylinder	Aluminum
230DT-SP28	Dummy trim, pull when dogged	Aluminum
230EO-SP28	Exit only, blank plate	Aluminum
230L-BE-SP28	Passage Lever with blank escutcheon	Aluminum
230L-SP28	Lever, key locks and unlocks	Aluminum
230NL-SP28	Night latch, key retracts latchbolt	Aluminum
230TP-SP28	Thumbpiece, key locks and unlocks	Aluminum

99/99-F Rim Exit Device



- **99:** Rim exit devices for all types of single and double doors with mullion, UL listed for panic exit hardware.
- **99-F:** Rim fire exit devices for all types of single doors up to 4' x 10' (1219mm x 3048mm) or 8' x 10' (2438mm x 3048mm) double doors with 9954 or 9854 mullion, UL listed for fire exit hardware.
- Devices are ANSI A156.3 – 2001 Grade 1.
- The 99 device has a grooved case.
- Covers stock hollow metal doors with 86 or 161 cutouts on single doors.
- Nonhanded; Field sizeable.
- Latch bolt: deadlocking. 3/4" throw.
- Strikes: Furnished standard with 299 strike in dull black finish.
- 99EO: Hex key dogging standard. 99EOF: No mechanical dogging
- **Outside trim sold separately.**

Specifications:

- **Device length 3' -** for 2'4" to 3' (711mm to 914mm) door size.
- **Device length 4' -** for 2'10" to 4' (864mm to 1219mm) door size.
- **Device centerline from finished floor:** 39-13/16" (1011mm); 39-11/16" (1008mm) with mullion
- **Touchbar projection:** Neutral: 3-13/16" (97mm); Depressed: 3-1/16" (78mm)
- **Center case:** 8" x 2-3/4" x 2-3/8" (203mm x 70mm x 60mm)
- **Mechanism case:** 2-1/4" x 2-1/4" (57mm x 57mm)
- 1/box. Sold individually.

Product #	Description	Finish
99EO-US26D-30	3' Rim Exit Device	Satin Chrome
99EO-US26D-40	4' Rim Exit Device	Satin Chrome
99EOF-US26D-30	3' Rim Exit Device, Fire-Rated	Satin Chrome
99EOF-US26D-40	4' Rim Exit Device, Fire-Rated	Satin Chrome

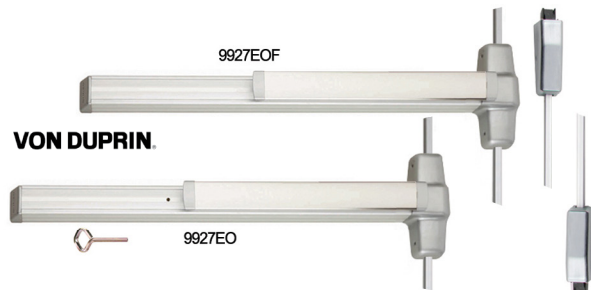
99 Series Exit Trim



- Exit trim for Von Duprin 99 Series.
- Cylinders must be ordered separate, unless noted.
- 1/box. Sold individually.

Product #	Description	Finish
990DT-US26D	Dummy trim, pull when dogged	Satin Chrome
990NL-US26D	Night latch, key retracts latchbolt	Satin Chrome
990TP-US26D	Thumbpiece, key locks and unlocks	Satin Chrome
996L-US26D-LHR	LHR Lever, key locks and unlocks	Satin Chrome
996L-US26D-RHR	RHR Lever, key locks and unlocks	Satin Chrome

9927/9927-F Surface Mounted Vertical Rod Exit Device



- **9927** Surface mounted vertical rod device for all types of single or double doors, UL listed for panic exit hardware.
- **9927-F** Fire exit surface mounted vertical rod device pairs of doors up to 8' x 10' (2438mm x 3048mm), UL listed for fire exit hardware.
- Devices are ANSI A156.3 - 2008 Grade 1.
- The 99 device has a grooved case.
- Covers stock hollow metal doors with 86 or 161 cutouts.
- Nonhanded; Field sizeable.
- Latchbolt: Deadlocking anti-friction top and bottom bolt, 5/8" (16mm) throw.
- Strikes: Furnished standard with 299F, 248L4 & 304L strikes in dull black finish.
- 9927EO: Hex key dogging standard. 9927EOF: NO mechanical dogging
- **Outside trim sold separately.**
- **Device length:** 3' (914mm) - for 2'4" to 3' (711mm to 914mm) door size.

Specifications:

- **Device length:** 3' (914mm) - for 2'4" to 3' (711mm to 914mm) door size.
- **Door Height:** 7' standard, can be cut to size. Longer lengths also available by special order.
- **Touchbar height to finished floor:** 39-5/8" (1006mm) at center.
- **Touchbar projection:** Neutral: 3-13/16" (97mm); Depressed: 3-1/16" (78mm).
- **Center case:** 8" x 2-3/4" x 2-3/8" (203mm x 70mm x 60mm).
- **Door undercut:** 1/4" (7mm) recommended.
- 1/box. Sold individually.

Product #	Description	Finish
9927EO-US26D-30	3' Exit Device	Satin Chrome
9927EOF-US26D-30	3' Exit Device, Fire-Rated	Satin Chrome

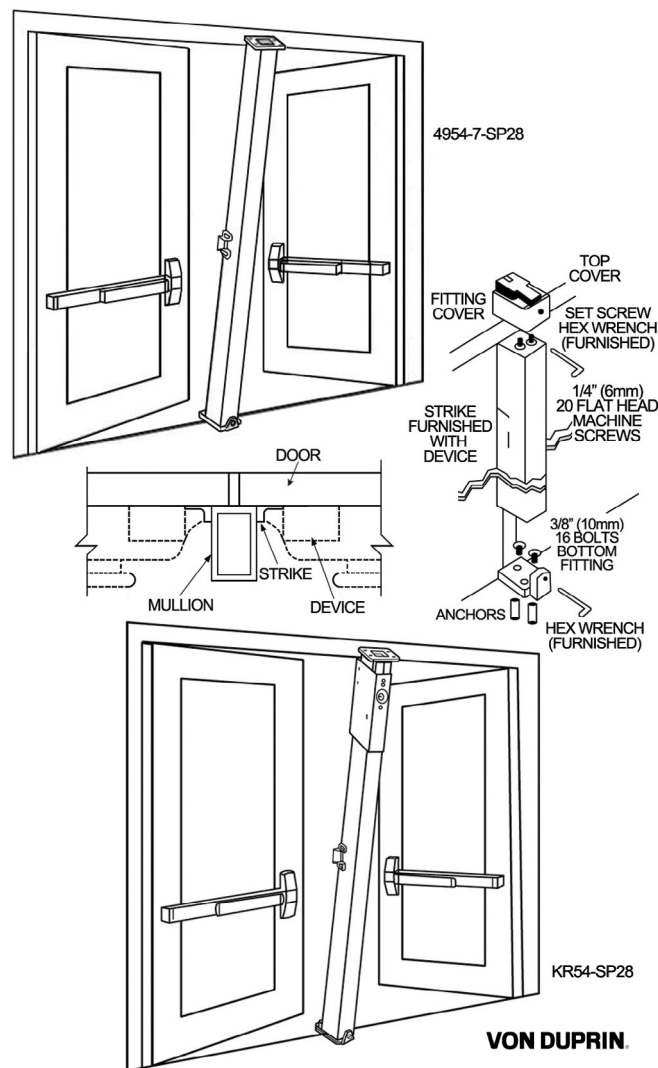
99 Series Exit Trim



- Exit trim for Von Duprin 99 Series.
- Cylinders must be ordered separate, unless noted.
- 1/box. Sold individually.

Product #	Description	Finish
990DT-US26D	Dummy trim, pull when dogged	Satin Chrome
990NL-US26D	Night latch, key retracts latchbolt	Satin Chrome
990TP-US26D	Thumbpiece, key locks and unlocks	Satin Chrome
996L-US26D-LHR	LHR Lever, key locks and unlocks	Satin Chrome
996L-US26D-RHR	RHR Lever, key locks and unlocks	Satin Chrome

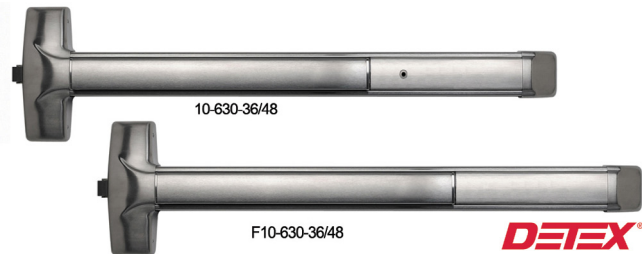
Von Duprin Removable Mullion



- **4954 Mullion** Prepared for 264 or 299 strikes. For use with all Von Duprin Panic rim devices.
- Removeable aluminum mullions are 11/16" (27mm) wide on face closest to the door and 23/8" (60mm) at the widest point. The depth is 31/8" (79mm) with a wall thickness of 1/8" (3mm).
- **KR54** - Keyed removable steel mullions makes removal faster and easier by a single operation of the mortise cylinder. Once mullion is removed, large equipment or furniture can freely pass through the opening. The unit will self lock when re-installed, without use of the cylinder key. Uses a 11/4" mortise cylinder with a straight cam, sold separately.
- 1/box. Sold individually.

Product #	Description	Finish
4954-7-SP28	Removable Mullion	Aluminum
050330-SP28	Mullion Mount Kit	Aluminum
KR54-SP28	Keyed Removable Kit	Aluminum

10/F10 Rim Exit Device



- **10/F10 Series** rim exit device is super-heavy-duty panic and fire exit hardware for use on all types of single and double doors with mullions.
- **F10:** 3-Hour fire rated.
- Patented mounting plate and strike locator system replaces paper templates.
- Devices are ANSI A156.3 – 2001 Grade 1.
- Heavy-duty angled end-cap deflects damage away from device.
- Nonhanded; Field sizeable.
- Latch bolt: deadlocking. 3/4" throw.
- Strikes: Furnished standard with 99 surface strike.
- Hex key dogging standard. No dogging on F10, fire exit devices.
- **Outside trim sold separately.**

Specifications:

- **Device length:** 32-1/2" (826mm) - for 36" (914mm) door size.
- **Device length:** 44-1/2" (1130mm) - for 48" (914mm) door size.
- **Touchbar projection:** Neutral: 3-1/8" (79mm); Depressed: 2-3/8" (60mm).
- **Door types:** wood, hollow metal, fiberglass.
- **Door thickness:** fits standard 1-3/4" to 2-1/4".
- **Minimum Stile:** 4-5/8" with standard 99 strike.
- 1/box. Sold individually.

Product #	Description	Finish
10-630-36	3' Rim Exit Device	Satin Stainless
10-630-48	4' Rim Exit Device	Satin Stainless
F10-630-36	3' Rim Exit Device, Fire-Rated	Satin Stainless
F10-630-48	4' Rim Exit Device, Fire-Rated	Satin Stainless

10/20 Series Rim Exit Trim



- Exit trim for Detex Advantex Series 10 and 20.
- Cylinders must be ordered separate.
- 1/box. Sold individually.

Product #	Description	Finish
02C-630	Dummy trim, pull when dogged	Satin Stainless
03C-630	Night latch, key retracts latchbolt	Satin Stainless
08DS-626	Entrance by lever. Key locks or unlocks lever	Brushed Chrome
14DS-626	Passage Lever	Brushed Chrome

20/F20 Surface Mounted Vertical Rod Exit Device



- **20/F20 Series** surface vertical rod exit device is super-heavy-duty panic and fire exit hardware for use on all types of double doors without a mullion. All 20 Series SVR exit devices are supplied with top and bottom rod covers and an ADA compliant ramped bottom bolt cover.
- **F20:** 3-Hour fire rated.
- Patented mounting plate and strike locator system replaces paper templates.
- Devices are ANSI A156.3 – 2001 Grade 1.
- Heavy-duty angled end-cap deflects damage away from device.
- Nonhanded; Field sizeable.
- Latch bolt: deadlocking. 3/4" throw.
- Furnished standard with strikes, top and bottom rod covers and an ADA compliant ramped bottom bolt cover.
- Hex key dogging standard. No dogging on F20 fire exit devices.
- **Outside trim sold separately.**

Specifications:

- **Device length** 32-1/2" (826mm) - for 36" (914mm) door size.
- **Door Height:** 7' standard, can be cut to size. Longer lengths also available by special order.
- **Touchbar projection:** Neutral: 3-1/8" (79mm); Depressed: 2-3/8" (60mm).
- **Door types:** wood, hollow metal, fiberglass.
- **Door thickness:** fits standard 1-3/4" to 2-1/4".
- **Minimum Stile:** 4-5/8" with standard 99 strike.
- 1/box. Sold individually.

Product #	Description	Finish
F20-630-36	3' Exit Device, Fire-Rated	Satin Stainless

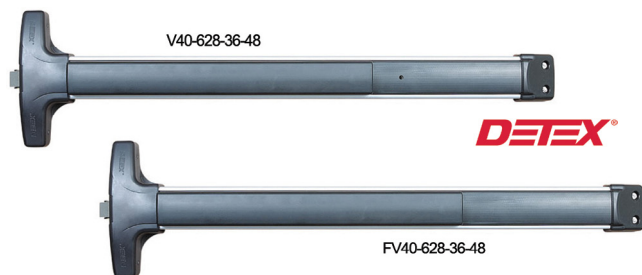
10/20 Series Rim Exit Trim



- Exit trim for Detex Advantex Series 10 and 20.
- Cylinders must be ordered separate.
- 1/box. Sold individually.

Product #	Description	Finish
02C-630	Dummy trim, pull when dogged	Satin Stainless
03C-630	Night latch, key retracts latchbolt	Satin Stainless
08DS-626	Entrance by lever. Key locks or unlocks lever	Brushed Chrome
14DS-626	Passage Lever	Brushed Chrome

V40/FV40 Rim Exit Device



- The **V40/FV40** Series rim fire exit device is secure and durable panic and fire exit hardware at an economical price. It is designed for use on all types of single and double doors with mullions.
- **FV40**: 3-Hour fire rated.
- Patented mounting plate and strike locator system replaces paper templates.
- Devices are ANSI A156.3 – 2001 Grade 1.
- Heavy-duty ribbed aluminum rail extrusion.
- Heavy-duty angled end-cap deflects damage away from device.
- Nonhanded; Field sizeable.
- Latch bolt: deadlocking. 3/4" throw.
- Strikes: Furnished standard with 99 surface strike.
- Hex key dogging standard. No dogging on FV40 fire exit devices.
- **Outside trim sold separately.**
- **Device length 32-7/8" (835mm)** - for 36" (914mm) door size.

Specifications:

- **Device length 32-7/8" (835mm)** - for 36" (914mm) door size.
- **Device length 44-7/8" (1140mm)** - for 48" (1219mm) door size.
- **Touchbar projection:** Neutral: 3-1/4" (83mm); Depressed: 2-1/2" (64mm).
- **Door types:** wood, hollow metal, fiberglass.
- **Door thickness:** fits standard 1-3/4" to 2-1/4".
- **Minimum Stile:** 2-1/2" with standard 99 strike.
- 1/box. Sold individually.

Product #	Description	Finish
V40-628-36	3' Exit Device	Satin Aluminum
V40-628-48	4' Exit Device	Satin Aluminum
FV40-628-36	3' Exit Device, Fire-Rated	Satin Aluminum
FV40-628-48	4' Exit Device, Fire-Rated	Satin Aluminum

Double Door Strike Kit



DETEX

- Detex Double Door Strike Kit for use with Detex V40 Series Rim Exit Devices.
- Sold individually.
- 1/box. Sold individually.

Product #	Finish
94	Aluminum

V50/FV50 Surface Mounted Vertical Rod Exit Device



- The **V50/FV50** Series, surface vertical rod exit device is heavy duty panic and fire exit hardware for use on all types of double doors without a mullion.
- **FV50**: 3-hour fire rated.
- Patented mounting plate and strike locator system replaces paper templates.
- Devices are ANSI A156.3 – 2001 Grade 1.
- Heavy-duty angled end-cap deflects damage away from device.
- Nonhanded; Field sizeable.
- Latch bolt: deadlocking. 3/4" throw.
- Bottom drop bolt, 5/8" dia x 5-5/8" long secure into strike.
- Furnished standard with strikes.
- Hex key dogging standard. No dogging on FV50 fire exit devices.
- **Outside trim sold separately.**
- **Device length 32-7/8" (835mm)** - for 36" (914mm) door size.

Specifications:

- **Device length 32-7/8" (835mm)** - for 36" (914mm) door size.
- **Door Height:** 7' standard, can be cut to size. Longer lengths also available by special order.
- **Touchbar projection:** Neutral: 3-1/8" (79mm); Depressed: 2-3/8" (60mm).
- **Door types:** wood, hollow metal, fiberglass.
- **Door Stile:** Fits 3-1/2" stile doors standard.
- 1/box. Sold individually.

Product #	Description	Finish
V50-628-36	3' Exit Device	Satin Aluminum
FV50-628-36	3' Exit Device, Fire-Rated	Satin Aluminum

V40/V50 Series Rim Exit Trim



- Exit trim for Detex Value Series V40 and V50.
- Cylinders must be ordered separate.
- 1/box. Sold individually.

Product #	Description	Finish
02A-689	Dummy trim, pull when dogged	Aluminum Painted
03A-689	Night latch, key retracts latchbolt	Aluminum Painted
08BN-689	Entrance by lever. Key locks or unlocks lever	Aluminum Painted
14BN-689	Passage Lever	Aluminum Painted

8900 Series Rim Exit Device



- EF8999: UL 10C Fire rated, 3 hours.
- ANSI Grade 1 Certified ANSI/BHMA A156.3
- Door thickness: 1-3/4" - 2" standard.
- Heavy-duty angled end-cap deflects damage away from device.
- Non-handed; reversible design.
- 1/2 Turn Hex key dogging standard on non-fire rated devices.
- **Outside trim sold separately;** features a through-bolt design.
- High shock-resistant latching mechanical design for protection.
- Strikes: Furnished standard with surface strike.
- Buy American Act Compliant

Specifications:

- **Minimum Stile:** 4-3/4" (102mm).
- **Latchbolt:** 3/4" throw, stainless steel, deadlocking.
- 1/box. Sold individually.

Product #	Description	Finish
ED8900-36-ALUM	3' Rlm Exit Device	Aluminum
ED8900-48-ALUM	4' Rlm Exit Device	Aluminum
EF8900-36-ALUM	3' Rlm Exit Device, Fire-Rated	Aluminum
EF8900-48-ALUM	4' Rlm Exit Device, Fire-Rated	Aluminum

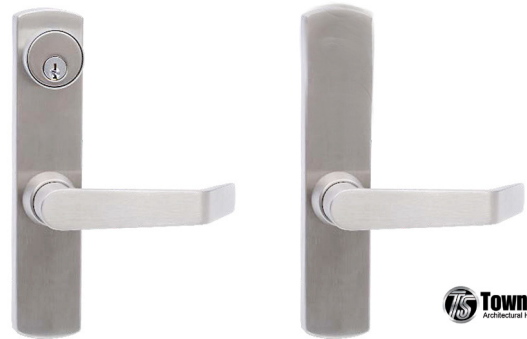
8927 Series Surface Mounted Vertical Rod Exit Device



- ANSI Grade 1 Certified ANSI/BHMA A156.3
- Door thickness: 1-3/4" - 2" standard.
- Heavy-duty angled end-cap deflects damage away from device.
- Non-handed; reversible design.
- 1/2 Turn Hex key dogging standard.
- **Outside trim sold separately;** features a through-bolt design.
- High shock-resistant latching mechanical design for protection.
- Buy American Act Compliant
- **Minimum Stile:** 4-3/4" (102mm)
- 1/box. Sold individually.

Product #	Description	Finish
ED8927-3684-ALUM	3' Exit Device	Aluminum

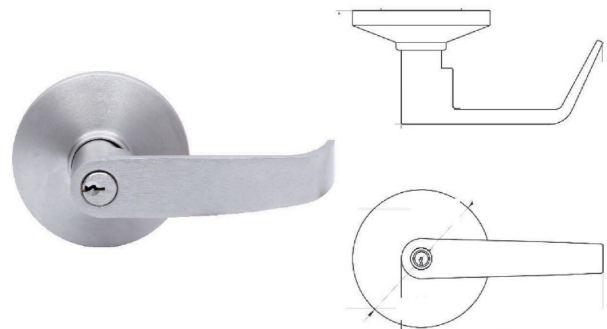
8900/9700 Series Exit Device Narrow Stile Trim



- For use with TownSteel 9700 & 8900 series exit Devices.
- Non-handed.
- Available for panic and fire rated rim and vertical rod exit devices.
- Keyed functions Schlage® 6-pin with "C" Keyway standard.
- 1/box. Sold individually.

Product #	Description	Finish
ED8900NE-08-SS	Entrance. Key locks or unlocks latchbolt.	Satin Stainless Steel
ED8900NE-09-SS	Storeroom: Night latch, key retracts latchbolt.	Satin Stainless Steel
ED8900NE-14-SS	Passage. Lever operable.	Satin Stainless Steel

8900 Series Exit Device Sectional Lever Trim



- For use with the Townsteel 8900 Series exit devices.
- Non-handed.
- Thru-bolted mounting.
- Available for panic and fire rated rim and vertical rod exit devices.
- Keyed functions Schlage® 6-pin with "C" Keyway standard.
- 1/box. Sold individually.

Product #	Description	Finish
ED8900LS-08-US26D	Entrance. Key locks or unlocks latchbolt	Satin Chrome
ED8900LS-09-US26D	Storeroom: Night latch, key retracts latchbolt.	Satin Chrome
ED8900LS-14-US26D	Passage. Lever operable.	Satin Chrome

8900 Series Exit Device Pull Trim



- For use with TownSteel 9700 & 8900 series exit Devices.
- Non-handed.
- Available for panic and fire rated rim and vertical rod exit devices.
- Keyed functions Schlage® 6-pin with "C" Keyway standard.
- 1/box. Sold individually.

Product #	Description	Finish
ED8900P2-02-ALUM	Dummy. Pull when dogged.	Aluminum
ED8900P2-09-ALUM	Storeroom: Night latch, key retracts latchbolt.	Aluminum

8900 & 9700 Mechanical Kestros Exit Device Trim



- Mechanical trims for use with the Townsteel 8900 and 9700 Series exit devices.
- ANSI Grade 1 Certified ANSI/BHMA A156.3.
- Fixed 2-3/4" Backset.
- Keyed functions Schlage® 6-pin with "C" Keyway standard.

Trim Functions:

- **KES902 Dummy.** Entrance by trim when actuating bar is locked down.
- **KES903 Night Latch.** Entrance by trim when latch is released by key. Key removable only when locked.
- **KES908 Entrance.** Entrance by knob or lever. Key locks or unlocks knob or lever.
- **KES914 Passage.** Entrance by trim when latch is released by knob, lever. Always active, no cylinder.
- 1/box. Sold individually.

Product #	Description	Finish
KES-902R-626-LHR	Dummy, Left Hand Reverse	Satin Chrome
KES-902R-626-RHR	Dummy, Right Hand Reverse	Satin Chrome
KES-903R-626-LHR	Night Latch, Left Hand Reverse	Satin Chrome
KES-903R-626-RHR	Night Latch, Right Hand Reverse	Satin Chrome
KES-908R-626-LHR	Entrance, includes cylinder, RHR	Satin Chrome
KES-908R-626-RHR	Entrance, includes cylinder, LHR	Satin Chrome
KES-914R-626-LHR	Passage, Left Hand Reverse	Satin Chrome
KES-914R-626-RHR	Passage, Right Hand Reverse	Satin Chrome

9700 Series Heavy-Duty Rim Exit Device



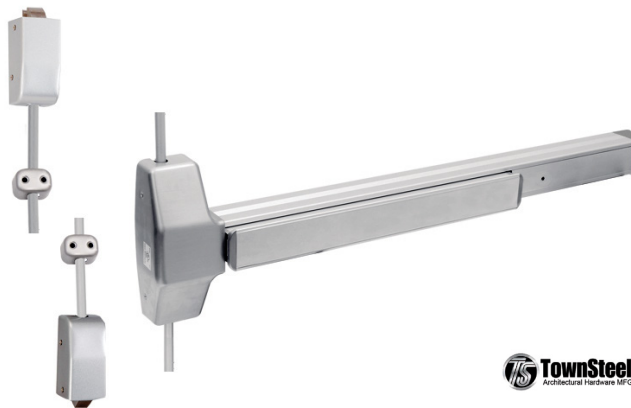
- EF9700: UL Listed for Fire Exit hardware, 3 hours.
- ANSI Grade 1 Certified ANSI/BHMA A156.3
- Door thickness: 1-3/4" - 2" standard.
- Non-handed; reversible design.
- 1/2 Turn Hex key dogging standard on non-fire rated devices.
- Outside trim sold separately; features a through-bolt design.
- High shock-resistant latching mechanical design for vandalism protection.
- Made of electro-plated corrosion-resistant alloy.
- 900 Rigid strike standard.
- Buy American Act Compliant

Specifications:

- **Device length:** for 3' or 4' door size standard, may be cut to size.
- **Minimum Stile:** 4-3/4" (102mm)
- **Latchbolt:** 3/4" throw, stainless steel, deadlocking
- 1/box. Sold individually.

Product #	Description	Finish
ED9700-36-630	3' Rim Exit Device	Brushed Stainless Steel
ED9700-48-630	4' Rim Exit Device	Brushed Stainless Steel
EF9700-36-630	3' Rim Exit Device, Fire Rated	Brushed Stainless Steel
EF9700-48-630	4' Rim Exit Device, Fire Rated	Brushed Stainless Steel

9727 Heavy-Duty Surface Mounted Vertical Rod Exit Device



- ANSI/BHMA A156.3 Grade 1 Certified Heavy-Duty Surface Vertical Rod Exit Device.
 - Door thickness: 1-3/4" - 2" standard.
 - Non-handed; reversible design.
 - 1/2 Turn Hex key dogging standard.
 - **Outside trim sold separately;** features a through-bolt design.
 - High shock-resistant latching mechanical design for vandalism protection.
 - Made of electro-plated corrosion-resistant alloy.
 - Buy American Act Compliant
- Specifications:**
- **Minimum Stile:** 4-3/4" (102mm)
 - **Top Latch Bolt:** 3/4" throw
 - **Bottom Latch Bolt:** 1/2" throw
 - 1/box. Sold individually.

Product #	Description	Finish
ED9727-3684-630	3' Exit Device	Satin Stainless Steel

Detex Alarmed Rim Exit Device



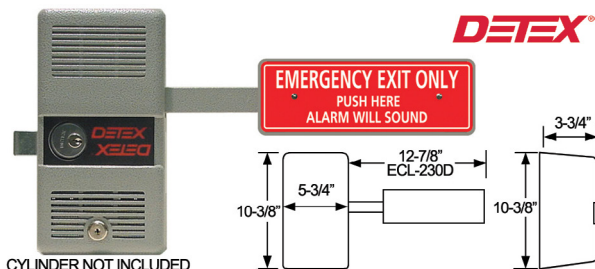
- The V40xEB/EH is designed for primary and secondary exits that require an alarmed panic device.
- The 100dB alarm will sound when someone attempts to exit, alerting management to the unauthorized exit.
- Devices are ANSI A156.3 – 2001 Grade 1.
- Heavy-duty ribbed aluminum rail extrusion.
- Patented back plate and plastic strike locator provide paperless template for perfect alignment with door and frame.
- Accommodates wide stile doors, 3" or greater stile, and flush doors.
- Powered by standard 9-volt battery.
- Single mortise cylinder (sold separately) provides arming and dogging.
- Nonhanded.
- Field selectable key rearm or 2 min. auto rearm.
- Visual and audible arming indicators. Armed and disarmed field selectable status indicator
- Latch bolt: Stainless steel, 3/4" deadlocking Pullman-type latch bolt.
- Strikes: Furnished with 99 surface strike standard.
- **Outside trim sold separately.**

Specifications:

- **Device length** 32-7/8" (835mm) - for 36" (914mm) door size.
- **Touchbar projection:** Neutral: 3-1/4" (83mm); Depressed: 2-1/2" (64mm).
- **Door types:** wood, hollow metal, fiberglass.
- **Door thickness:** fits standard 1-3/4" to 2-1/4".
- 1/box. Sold individually.

Product #	Finish
V40XEB-36-628	Aluminum

Detex Exit Control Lock



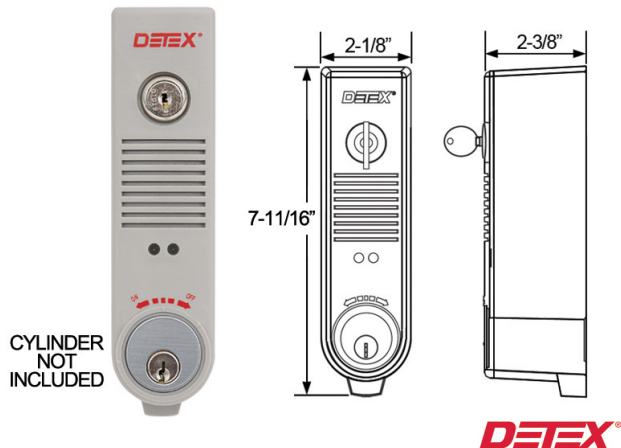
- The ECL-230D is a code compliant, battery alarmed, rugged dead bolt, panic device with steel plate and photo-luminescent sign providing managed security and a 100 decibel alarm for secondary exits.
- UL listed panic hardware, ADA compliant.
- Attack resistant design withstands over 2200 lbs. of outside pull force.
- Single point, 1" throw dead bolt; saw resistant bolt.
- Non-handed; Corrosion resistant alloy lock body.
- 100 decibel alarm, powered by 9-volt battery (included).
- Photo luminescent sign absorbs light to then "glow in the dark" when lights are dimmed.
- Accepts 5-pin through 7-pin rim cylinder (not included).
- Resetting the alarm can only be accomplished with a control key.
- Locking and unlocking the dead bolt always arms and disarms the alarm.

Specifications:

- **Door Types:** Wood, Hollow Metal or Aluminum
- **Door Thickness:** Fits standard 1-3/4" - 2-1/4"
- **Minimum door width:** 20"
- **Door Stile:** Fits minimum 5-3/4" with ECL-437K Strike (Standard).
- 1/box. Sold individually.

Product #	Finish
ECL-230D	Gray

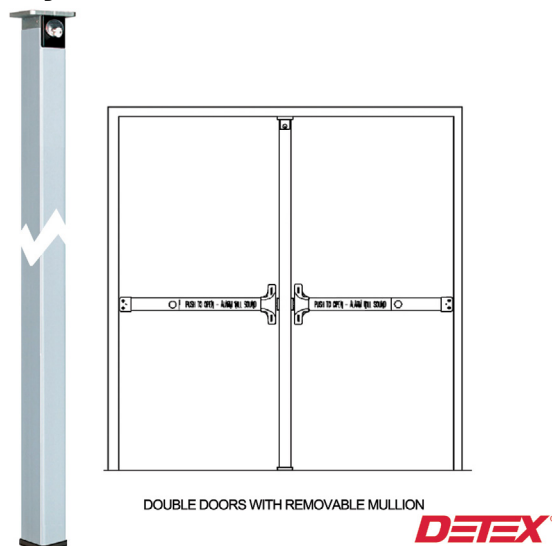
Battery Powered Door Alarm



- Designed for applications requiring a battery-powered alarm on secured doors. The alarm, with approximately 100dB, will sound when an unauthorized exit occurs. The shape and smaller size of the EAX-500 makes it the ideal choice for quick and easy installations on emergency exit and restricted doors.
- Secure, tamper resistant housing.
- Uses mortise cylinder, not included. Patented cam assembly automatically adjusts for different sizes of cylinders without use of spacers.
- Patented plastic template allows for foolproof alignment of internal magnetic door contact and accurate installation.
- Tapered cover allows for installation on narrow stile doors, 2" minimum.
- Extended bypass allows alarm to remain bypassed when door is open and automatically rearms upon door closing.
- 9VDC battery operated with Low Battery Alert.
- LED visual and audible arming indicators.
- Field selectable 2-minute auto rearm and status indicators.
- 1/box. Sold individually.

Product #	Finish
EAX-500	Gray

Detex Keyed Removable Mullion Kit



- For use with exit devices on standard pairs of doors.
- Mullion to be removed in seconds with one key turn, and then to be snapped back into place without needing the key.
- 11 gauge, 2" x 3" steel mullion, base anchors included.
- 1/box. Sold individually.

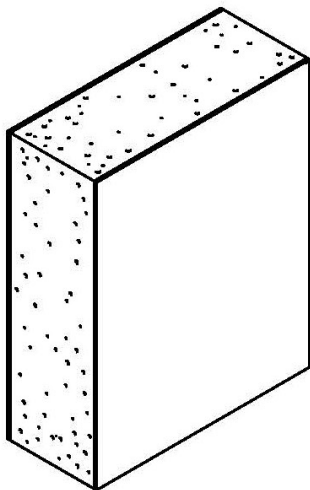
Product #	Finish
90KR-7-SP28	Aluminum

TECH-DATA

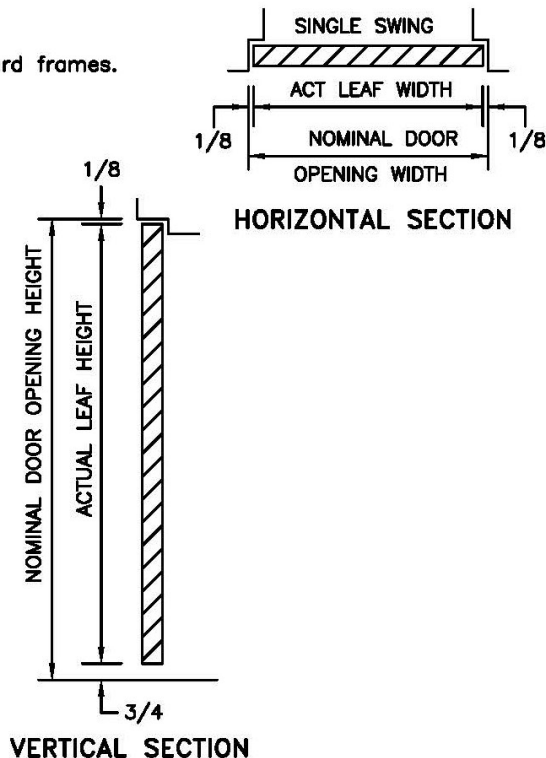
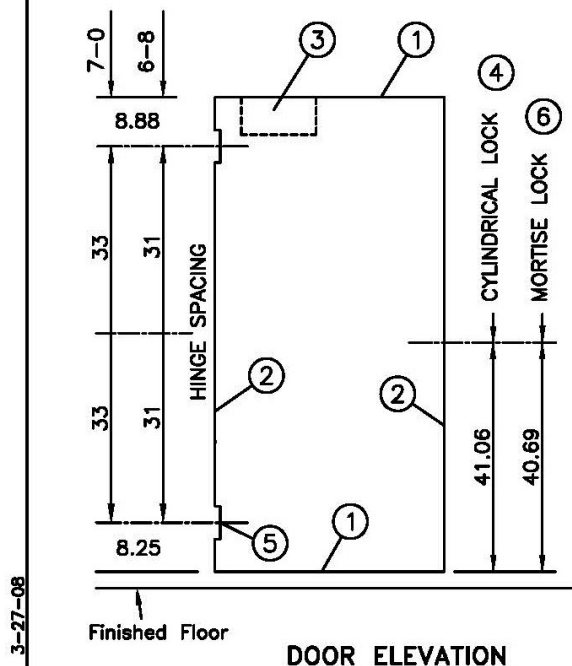
1-3/4" ENVOY DOOR

FLUSH STEEL DOORS
UNIVERSAL, NON-HANDED

FACE SHEETS: 18 GA. C.R.S.
(GALVANNEALED OPTIONAL)
CORE: POLYSTYRENE
DESIGN: FLUSH
FIRE LABEL: 1-1/2 HOUR W.H.



Hardware locations shown match Ceco standard frames.

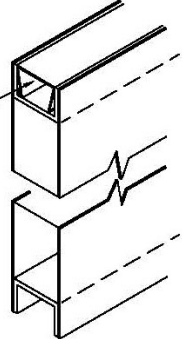
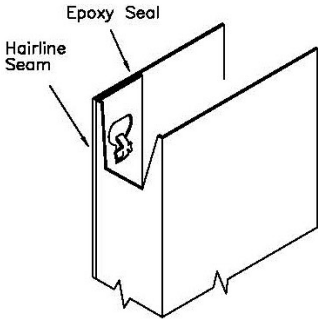
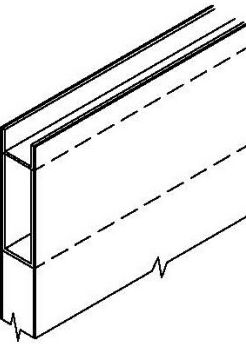
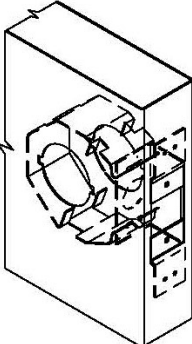
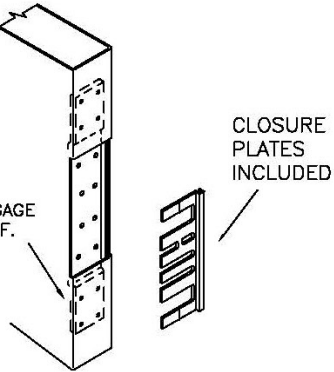
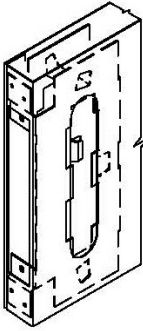


SDI/NAAMM hinge and lock locations available

ASSA ABLOY, the global leader
in door opening solutions

TECH-DATA

ENVOY DOOR

<p>①</p> <p>16 GAGE STEEL END CHANNELS</p> <p>INVERTED TOP AND BOTTOM</p> <p>SNAP-IN FLUSH TOP CAP ON POLYSTYRENE CORE</p> 	<p>②</p> <p>VERTICAL EDGES</p> <p>Epoxy Seal</p> <p>Hairline Seam</p> <p>MECHANICALLY INTERLOCKED HEMMED EDGES</p> 
<p>③</p> <p>CLOSER REINFORCEMENT STANDARD</p> <p>16 GAGE STEEL CHANNEL 20" LONG</p> 	<p>④</p> <p>LOCK PREPARATION CYLINDRICAL TYPE & LL3 LEVER LOCK DESIGN</p> <p>(ANSI A115.2) 2-3/4" BACKSET</p>  <p><u>OPTIONAL</u> DEADLOCK PREPARATION @ 48" AFF ONLY (DB)</p>
<p>⑤</p> <p>HINGE PREPARATION</p> <p>4-1/2" X .134" HIGH, STANDARD OR HEAVY WT. FULL MORTISE HINGE PREPS</p> <p>ANSI A156.7 TEMPLATE</p> <p>NON-HANDED</p> <p>10 GAGE REINF.</p> <p>CLOSURE PLATES INCLUDED</p> 	<p>⑥</p> <p>LOCK PREPARATION GOV. 86-4 MORTISE TYPE</p> <p>(LM1) (ANSI A115.1) 2-3/4" BACKSET</p> <p>(LM0) SIMILAR TO DETAIL LESS FACE CUTOUT</p> <p>(LP0) SIMILAR TO DETAIL LESS ALL CUTOUTS AND REINFORCEMENT</p> <p>(PR1) SIMILAR TO DETAIL LESS ALL CUTOUTS REINFORCEMENT ON HINGE AND LOCK SIDE (RIM EXIT)</p> 

2/18/08

ASSA ABLOY, the global leader



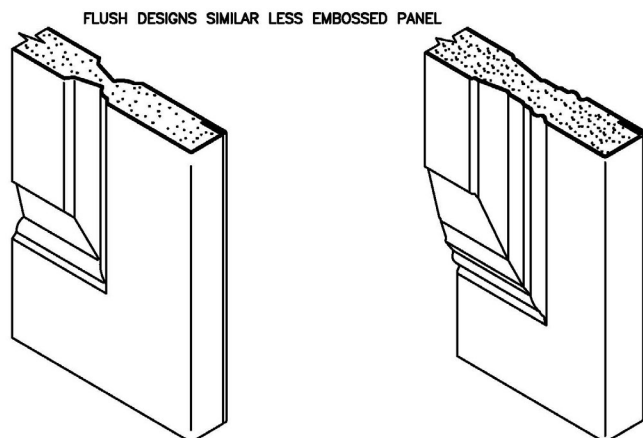
ASSA ABLOY

1-3/4" ULTRADOR (UP) POLYSTYRENE CORE DOORS

FLUSH PANEL STEEL DOORS
UNIVERSAL, NON-HANDED

TECH-DATA

POLYSTYRENE SLAB, BONDED TO THE INSIDE OF BOTH FACE SHEETS WITH A WATERPROOF, CONTACT ADHESIVE.



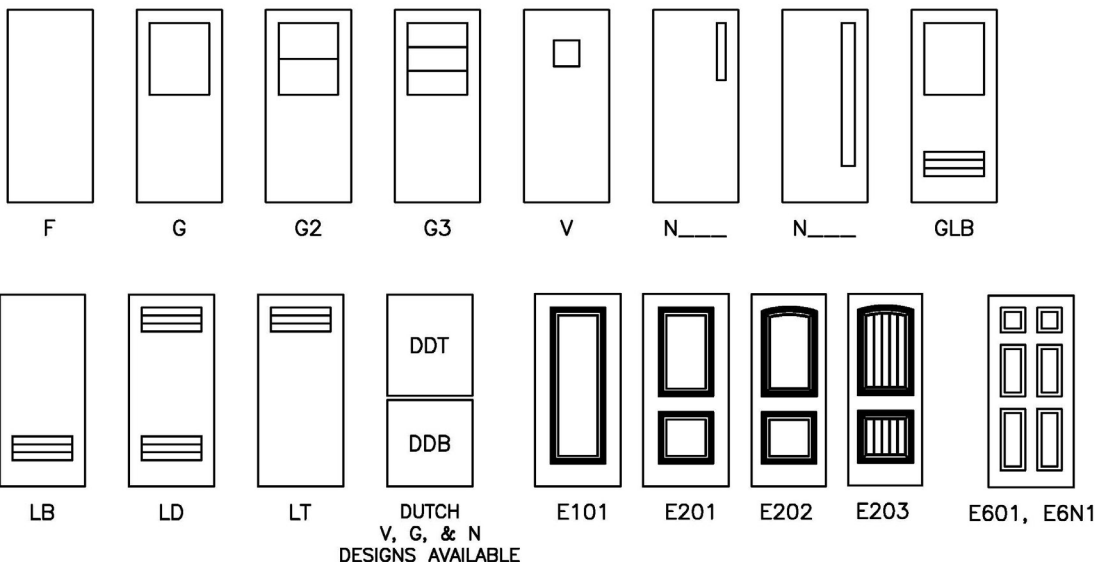
EMBOSSED PANEL DESIGNS:
6 PANEL
CROSSBUCK

HIGH DEFINITION EMBOSSED
PANEL DESIGNS:
1 PANEL
2 PANEL

SUGGESTED USE:

INTERIOR OR EXTERIOR...
OFFICE
MOTEL/HOTEL
APARTMENT
CONDOMINIUMS
DORMITORIES
URBAN RENEWAL
HEALTH CARE
INSTITUTIONAL
MERCANTILE
PUBLIC UTILITY
FACTORY
WAREHOUSE

DOOR DESIGNS



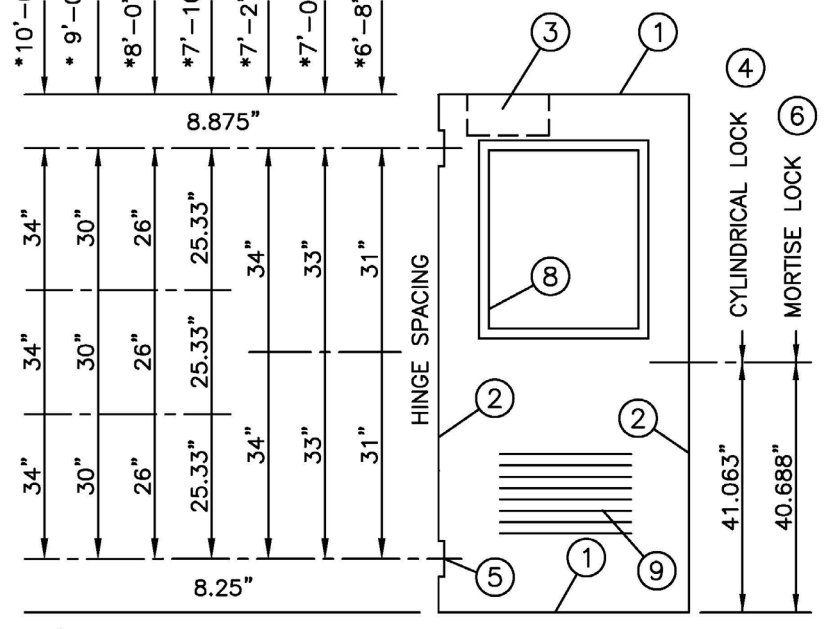
EMBOSSED NARROW 6 PANEL WILL BE
CENTER EDGE SEAM CONSTRUCTION.

	1 PANEL	2 PANEL	6 PANEL
MAX. SIZE	3'0"X8'0"	3'0"X8'0"	3'0"X7'0"
MIN. SIZE	2'8"X6'8"	2'8"X6'8"	2'6"X6'8"

TECH-DATA

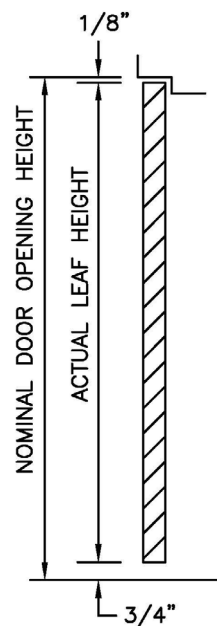
ULTRADOR

Hardware locations shown match Ceco standard frames.

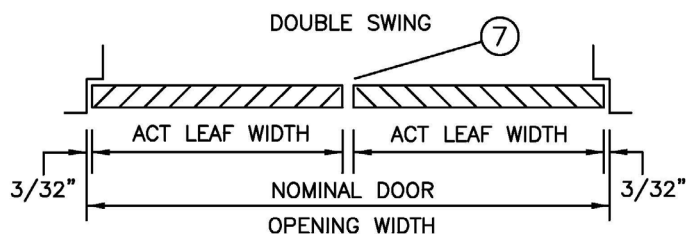
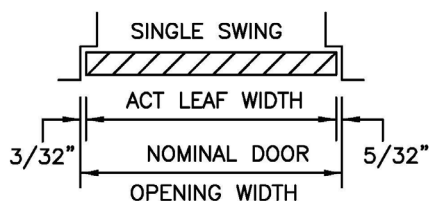


Finished Floor

DOOR ELEVATION



VERTICAL SECTION

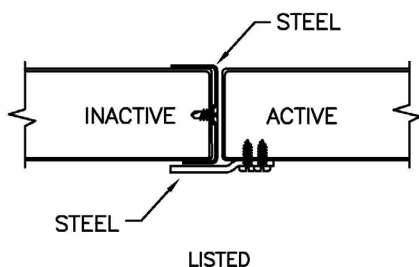


HORIZONTAL SECTIONS

(Conversion: 1" = 25.4 mm, e.g., 1-3/4" = 44.45 mm)

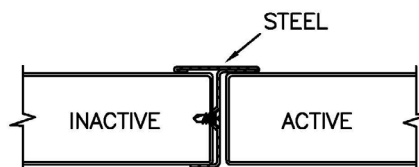
*See all embossed panel designs and size limitations on pages D4B-1 and D4B-4.

OVERLAPPING ASTRAGAL
4441
FOR 1-3/4" THICK
DOORS



LISTED

OVERLAPPING ASTRAGAL
4471
FOR 1-3/4" THICK
DOORS



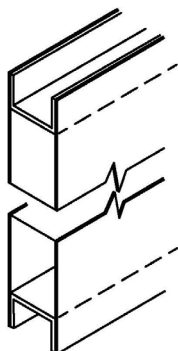
TECH-DATA

ULTRADOR

16 GAGE STEEL END CHANNELS

WELDED
TO BOTH
FACE SHEETS

INVERTED
TOP AND
BOTTOM



OPTIONAL TOP AND
BOTTOM CAPS ARE AVAILABLE

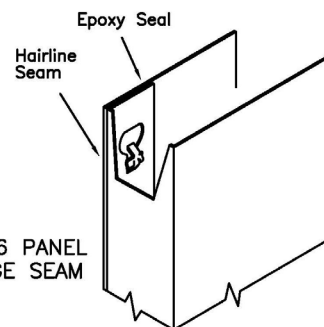
①

VERTICAL EDGES

MECHANICALLY
INTERLOCKED
HEMMED EDGES

ALSO AVAILABLE
SEAMLESS (WELDED
OR BODY FILLER)

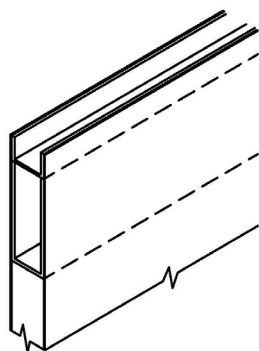
EMBOSSED NARROW 6 PANEL
WILL BE CENTER EDGE SEAM
CONSTRUCTION.



②

CLOSER REINFORCEMENT (OPTIONAL)

14 GAGE STEEL
CHANNEL 20" LONG

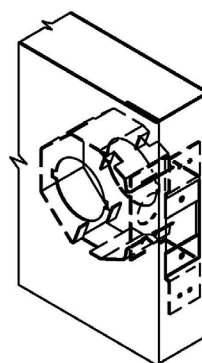


③

LOCK PREPARATION GOV. 160/161 CYLINDRICAL TYPE

(LC1)

(ANSI A115.2)
2-3/4"
BACKSET



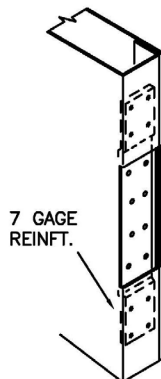
④

HINGE PREPARATION

4-1/2" X .134"
HIGH, STANDARD
OR HEAVY WT.
FULL MORTISE
HINGE
PREPS

ANSI A156.7
TEMPLATE

NON-HANDED



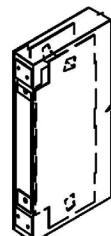
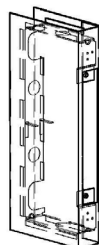
7 GAGE
REINFT.

CLOSURE
PLATES
INCLUDED



⑤

LOCK PREPARATION GOV. 86, ANSI/BHMA A115.1 MORTISE TYPE



(LM0)

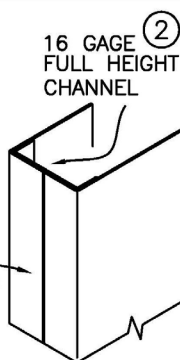
NOTE: EITHER OF THE LOCK
REINFORCEMENTS/
GUARDS SHOWN MAY
BE INSTALLED WITH
ANY MORTISE LOCK
PREPARATION.

⑥

VERTICAL EDGES

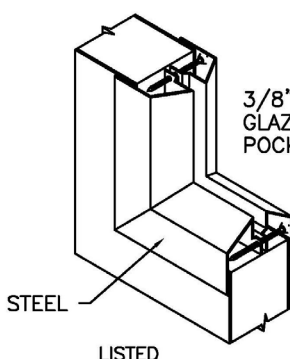
NARROW 6 PANEL
DESIGNS ARE
CENTER EDGE
SEAM CONSTRUCTION

WELD SEAMLESS AND
BODY FILLER
SEAMLESS
IS OPTIONAL



②
16 GAGE
FULL HEIGHT
CHANNEL

GLAZING TRIM SlimTrim



3/8" WIDE
GLAZING
POCKET

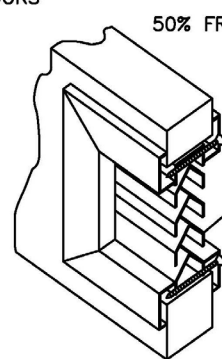
STEEL

LISTED

⑧

FIXED SLAT TYPE LOUVER 4634

FOR 1-3/4" THICK
DOORS



50% FREE AIR FLOW

STEEL

⑨

TECH-DATA

ULTRADOR

STANDARD SIZES
NOMINAL DOOR OPENING

WIDTH		HEIGHT
SINGLE	DOUBLE	
2'-0"	4'-0"	6'-8"
2'-4"	4'-8"	
2'-6"	5'-0"	
2'-8"	5'-4"	
2'-10"	5'-8"	7'-2"
3'-0"	6'-0"	7'-10"
3'-4"	6'-8"	8'-0"
3'-6"	7'-0"	9'-0"
3'-8"	7'-4"	10'-0"
3'-10"	7'-8"	
4'-0"	8'-0"	

FIRE DOORS

LABELING AGENCIES:

- UNDERWRITERS LABORATORY
- WARNOCK HERSEY

TEST: UL 10C, UL 10B,
UL 1784, & NFPA 252

• RATING: 20 MIN, 3/4 HR,
1-1/2 HR, OR 3 HR

• MAX. SIZE: 4'0" x 8'0" SINGLE
8'0" x 8'0" PAIR *

* 8'0" x 9'0" W/ VERTICAL RODS

• DESIGNS: F, G, N, & V

Not all ratings are available
in all sizes, designs and
materials.

SIZE LIMITS - DESIGNS

	FLUSH DESIGN	1 PANEL	2 PANEL	6 PANEL
MAX.	4'0"x10'0"	3'0"x8'0"	3'0"x8'0"	3'0"x7'0"
MIN.	2'0"x6'8"	2'8"x6'8"	2'8"x6'8"	2'6"x6'8"

MATERIAL

DOOR FACE SHEETS	LEVEL	C.R.	GALV		RECOMMENDED DOOR FRAME MATERIAL
			A60	G90	
20 Gage Steel (4080 max.)	Standard Duty	N/A	STD	N/A	16 Gage Steel
18 Gage Steel	Heavy Duty	STD	OPT	OPT	16 Gage Steel
16 Gage Steel	Extra heavy Duty	STD	OPT	OPT	16 or 14 Gage Steel

PERFORMANCE

Thermal Characteristic Value:	CORE CALCULATED (ASTM C518)		R = 6.08	U = 0.16
	*NFRC 102-2014 & ASTM FLUSH DOOR WITH MERCURY FRAME		R = 2.33	U = 0.43
	*NFRC 102-2014 & ASTM FLUSH DOOR WITH WEATHERKERF FRAME		R = 2.27	U = 0.44
	*NFRC 102-2014 & ASTM FLUSH DOOR WITH STANDARD FRAME		R = 2.22	U = 0.45

*NFRC102-2014: The general requirements of testing shall be as defined in NFRC 102, ASTM C1199 and ASTM C1363.

Sound Transmission Class:	STC 27 (F Design, 18 Gage Face Sheets, ASTM E90 & E413 [Fully Operable])
Physical Endurance /Level:	Meets ANSI A250.4 Performance Test, 20 GAGE: Level B (500,000 Cycles); 18 and 16 Gage: Level A (1,000,000 Cycles)

PRODUCT SPECIFICATIONS:

1-3/4" Thick steel doors shall be as manufactured by Ceco Door. Doors shall conform to the Steel Door Institute guide specification, ANSI A250.8; see chart below for performance classifications.

ULTRADOR doors are made full-flush or (optional) seamless style. Face sheets are commercial quality cold rolled steel conforming to ASTM A1008...or (optional) hot-dipped galvanized or galvanized steel conforming to ASTM A924 and A653 -- see chart below.

UltraDor full-flush doors have mechanically interlocked, hemmed, hairline seams on vertical edges and have no visible seams on faces. Narrow 6 panel doors have center edge seam construction. Doors specified "seamless" have no visible seams on faces or vertical edges (S.D.I. Model 2). A one piece, polystyrene slab, conforming to ASTM C578 TYPE 1, is bonded to the inside of both face sheets with a waterproof contact adhesive. The top and bottom door edges are closed with 16 gage steel channels welded to both face sheets.

Hardware Provisions: Hinge preparations are handed. Hinge edges are mortised for 4-1/2" or 5" high, standard and heavy weight hinges (specify which). 7 gage steel hinge reinforcements are welded inside the door edge and are drilled and tapped for fasteners in accordance with ANSI A156.7. The lock edge has a standard bevel (1:16) and is prepared for Gov. series 86, 160/161, or 90 locks in accordance with ANSI A115 (specify which). Optional closer reinforcement is a 14 gage steel channel.

Paint: 1-3/4" steel doors shall be provided with one coat of oven-cured neutral color primer paint. Primer coat shall conform with ANSI A250.10. The primer coat is a preparatory base for necessary finish painting. "Colorstyle" finish coat is also available from a selection of standard colors (optional). Colorstyle finish is electrostatically applied, oven-cured urethane enamel and shall conform to ANSI A250.3. For accurate color selectors ask for a Ceco Colorstyle chart.

EXCEPTIONS:

E1, E2, and E6 designs: mortise lock preparation limited to 3'0" width.

1 & 2 panel doors are available in 18 gage face sheets only.

6 panel doors are available in 20, 18, & 16 gage face sheets only.

Panel design door face sheets are formed from A40 galv. steel.

Narrow 6 panel doors are center edge seam design.

(Conversion: 1" = 25.4 mm, e.g., 1-3/4" = 44.45 mm)

TECH-DATA

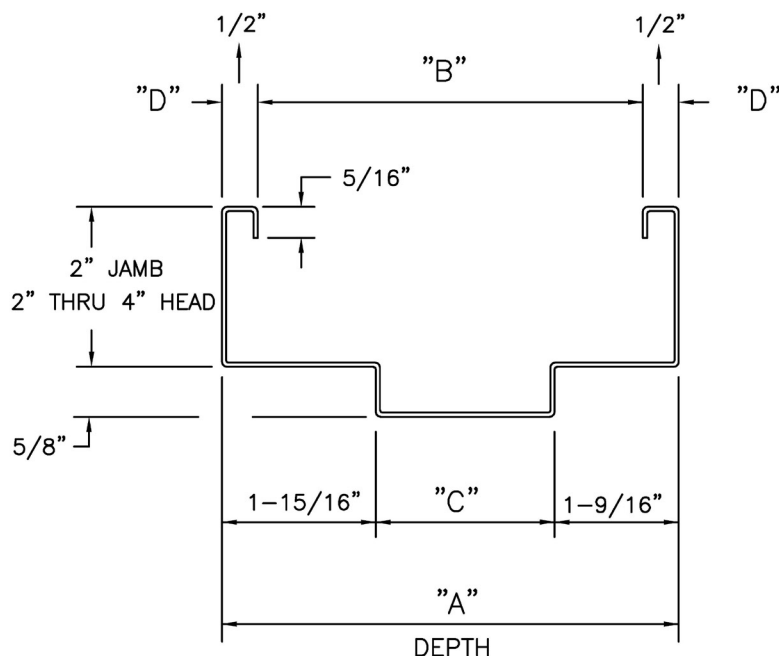


ASSA ABLOY

SERIES DU SLIP-ON DRYWALL FRAMES

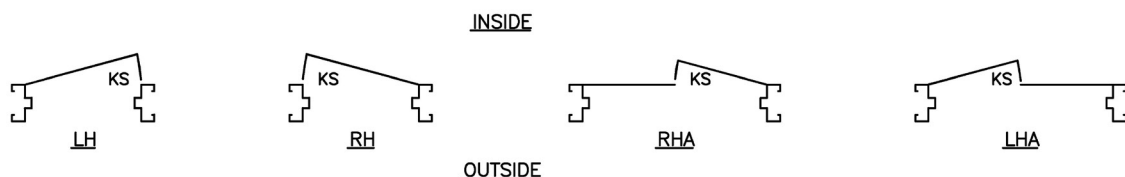
FOR 1-3/4" THICK DOORS

HANDED



DEPTHS RANGING FROM 4-1/2" TO 14" ARE AVAILABLE.

DIMENSION "D" IS AVAILABLE IN 7/16", 9/16", & 5/8" ON CUSTOM DESIGNS.



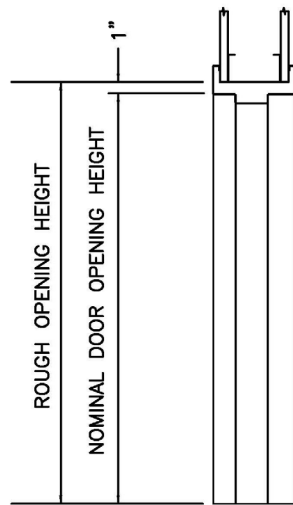
SUFFIX "A" = ACTIVE LEAF OF PAIRS (Conversion: 1" = 25.4 mm, e.g., 1-3/4" = 44.45 mm)

"KS" = KEY SIDE

TECH-DATA

SERIES DU DRYWALL FRAMES

Hardware locations shown match Ceco standard doors.



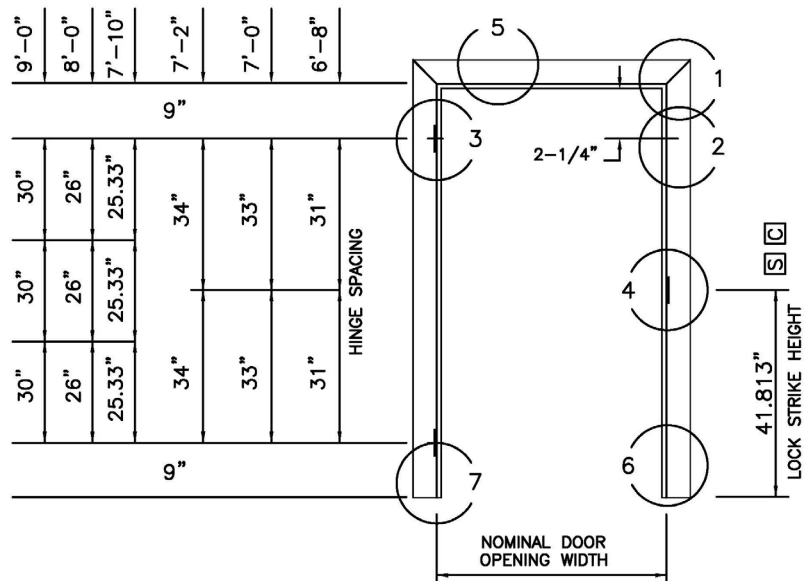
VERTICAL SECTION

NOTE #1:

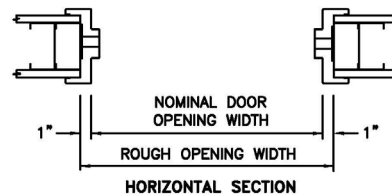
STRIKE PLASTER GUARDS (SNAP-IN TYPE) ARE OPTIONAL.

□ 1" DEEP

- STEEL/WOOD STUD AND DRYWALL CONSTRUCTION METHODS, IN CONJUNCTION WITH FRAME ANCHORAGE, COULD RESULT IN INTERFERENCE BETWEEN THE STUD AND HARDWARE PREP. NOTCHING OF THE STUD COULD RESULT IN COMPROMISING THE STABILITY OF THE FRAME. CONSIDERATION SHOULD BE GIVEN TO SPECIFYING THE HARDWARE SUITABLY SIZED TO FIT THE CONFINES OF A STANDARD FRAME OR SPECIFYING ALTERNATE FRAME PROFILES TO ACCOMMODATE THE HARDWARE.
- IF NECESSARY TO REMOVE, PLASTER GUARDS ARE BEST REMOVED BEFORE FRAME INSTALLATION.



ELEVATION

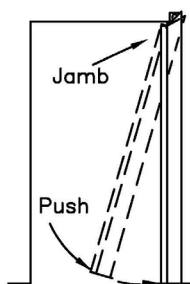


HORIZONTAL SECTION

INSTALLATION INSTRUCTIONS

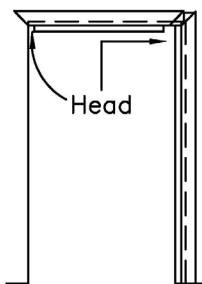
ROUGH OPENING:
DOOR OPENING WIDTH PLUS 2"
DOOR OPENING HEIGHT PLUS 1"

STEP 1



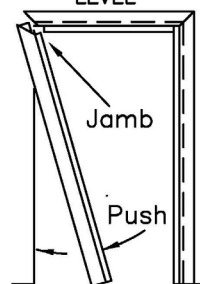
- PUSH TOP OF ONE JAMB OVER THE WALL.
- HOLD TOP OF JAMB IN PLACE, THEN PUSH BOTTOM IN TOWARDS AND OVER WALL.

STEP 2



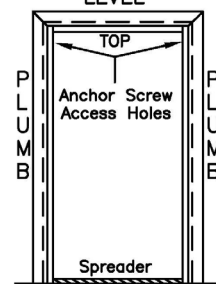
- POSITION FRAME HEAD OVER THE WALL.
- ALIGN HEAD TABS WITH JAMB SLOTS, THEN SLIDE HEAD TOWARD JAMB AND ENGAGE TABS IN SLOTS.

STEP 3 LEVEL



- PUSH TOP OF REMAINING JAMB OVER WALL AND MATE TABS IN SLOTS.
- PUSH BOTTOM OF JAMB IN TOWARDS AND OVER WALL.
- LEVEL HEAD.

STEP 4 LEVEL



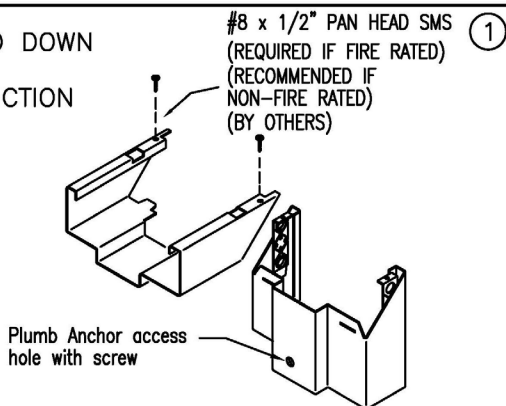
- ADJUST PLUMB ANCHORS WITH SCREWDRIVER.
- INSERT (4) #8 x 1/2" MIN. PHSMS THROUGH HOLES IN HEAD BACKBENDS AND FASTEN TO JAMB MITER GUIDES. (REQUIRED FOR LABELED FRAMES)
- PLUMB HINGE JAMB AND ANCHOR SILL.
- WITH TEMPORARY SPREADER, ADJUST STRIKE JAMB AND ANCHOR SILL.
- INSTALL MUTES.

(Conversion: 1" = 25.4 mm, e.g., 1-3/4" = 44.45 mm)

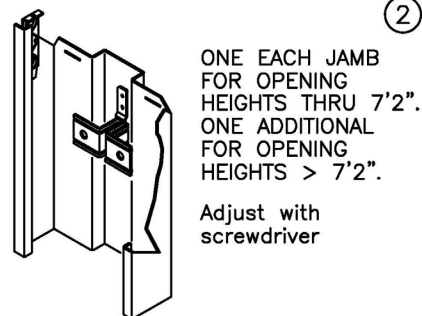
TECH-DATA

SERIES DU DRYWALL FRAMES

KNOCKED DOWN CORNER CONSTRUCTION



ADJUSTABLE PLUMB ANCHOR

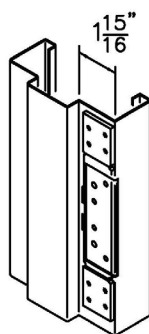


HINGE PREPARATION

4-1/2" x .134" OR
4-1/2" x .180"
ANSI A156.7 TEMPLATE
7 GAGE STEEL
REINFORCING

BACKSET: 5/16"

SEE NOTE #1



STRIKE PREPARATION



UNIVERSAL (4-7/8")
ANSI A115.1 & 2 TEMPLATE
12 GAGE STEEL REINFORCING
STANDARD FOR 1-3/4" DOORS

SEE NOTE #1

LOCK STRIKE PREPARATION



CYLINDRICAL (2-3/4")
ANSI A115.2 TEMPLATE
14 GAGE STEEL REINFORCING
ALSO AVAILABLE WITHOUT
LIP CUTOUT FOR DEADLOCKS

SEE NOTE #1

CLOSER REINFORCEMENT (OPTIONAL)

14 GAGE STEEL

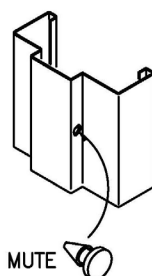
(HEAD)

FULL DEPTH CLOSER
REINFORCEMENT (SHOWN)
HALF SLEEVE OR PLATE
ALSO AVAILABLE

PROJECTION WELDED

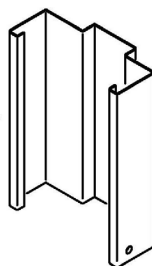
DOOR SILENCER (MUTE)

RUBBER MUTE
(3) / STRIKE JAMB
(2) / DOUBLE
SWING HEAD



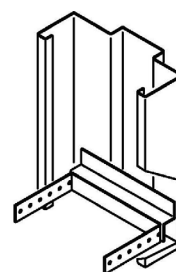
STANDARD SILL ANCHOR

DIMPLED HOLE
FOR #10 FH
FASTENER.
FASTENERS ARE BY
CONTRACTOR AND
MUST BE LONG
ENOUGH TO
ENGAGE STUD.



OPTIONAL SILL STRAP ANCHOR

FASTENERS ARE
BY CONTRACTOR
AND MUST
ENGAGE STUD.



(Conversion: 1" = 25.4 mm, e.g., 1-3/4" = 44.45 mm)

TECH-DATA

SERIES DU DRYWALL FRAMES

STANDARD SIZES
NOMINAL DOOR OPENING

WIDTH		HEIGHT
SINGLE	DOUBLE	
2'-0"	4'-0"	6'-8"
2'-4"	4'-8"	
2'-6"	5'-0"	
2'-8"	5'-4"	
2'-10"	5'-8"	
3'-0"	6'-0"	
3'-4"	6'-8"	
3'-6"	7'-0"	
3'-8"	7'-4"	
3'-10"	8'-0"	
4'-0"		

FIRE DOOR FRAMES

LABELING AGENCIES:

- UNDERWRITERS LABORATORY
- WARNOCK HERSEY
- FACTORY MUTUAL

TEST: UL 10C, UL 10B,
UL 1784, & NFPA 252

• RATING: 20 MIN, 3/4 HR,
1 HR OR 1-1/2 HR

• MAX. SIZE: 14 GAGE STEEL
16 GAGE STEEL
4'0" x 9'0" SINGLE
8'0" x 9'0" PAIR

18 GAGE STEEL
4'0" x 7'0" SINGLE
6'10" x 7'0" PAIR

NOT ALL RATINGS ARE AVAILABLE
IN ALL SIZES, DESIGNS AND
MATERIALS.

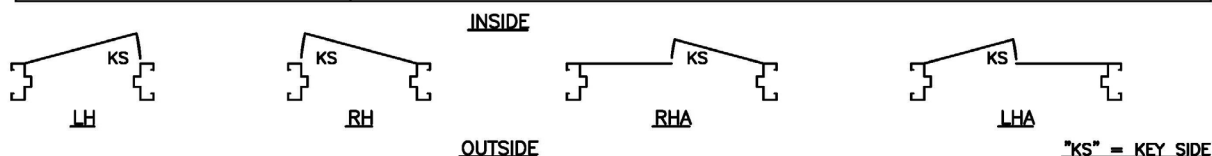
MATERIAL

DOOR FRAME MATERIAL	LEVEL	C.R.	GALV	
			A60	G90
18 Gage Steel	Standard Duty	STD	OPT	N/A
16 Gage Steel	Standard, Heavy, or Extra Heavy Duty	STD	OPT	OPT
14 Gage Steel	Maximum Duty	STD	OPT	OPT

18 gage steel for use with 1-3/4" wood doors.

PERFORMANCE

Physical Endurance Level:	Meets ANSI A250.4 Performance Test -- 16 & 14 gage steel: Level A (1,000,000 Cycles)
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SUFFIX "A" = ACTIVE LEAF OF PAIRS

(Conversion: 1" = 25.4 mm, e.g., 1-3/4" = 44.45 mm)

PRODUCT SPECIFICATIONS:

Steel door frames shall be as manufactured by Ceco Door, Milan, TN or Mason City, IA, USA. They shall conform to the Steel Door Institute guide specification, ANSI A250.8-1998. See chart below for performance classifications.

Series DU frames for 1-3/4" doors are formed from commercial quality cold rolled steel conforming to ASTM A1008 ...or (optional) hot-dipped galvanized or galvanized steel conforming to ASTM A924 and A653 - see chart below.

Frames are knocked down, field assembled type. Components have diecut mitered corners that interlock rigidly when field assembled. Integral door stops are 5/8" high and frame faces are 2". Adjustable, compression type anchors are welded to jambs and allow frame installation, plumbing and squaring after wallboard is applied (to adjust anchors use Phillips head screw driver). Components have backbend-returns that protect the wall surface during installation. Sill anchoring is by means of screws through dimpled holes in faces ... welded on sill strap anchors are also available (optional).

Hardware Provisions: Frames are handed. Hinge jambs are mortised for 4-1/2" high, standard or heavy weight hinges (specify which). 7 gage steel reinforcements are welded in place and are drilled and tapped for fasteners in accordance with ANSI A156.7. The strike jamb is prepared for 4-7/8" universal or 2-3/4" cylindrical strike in accordance with ANSI A 115.1&2 (specify which). Optional closer reinforcement is 14 gage min. steel. 3 mute holes are provided per strike jamb and 2 for double swing heads.

Paint: Steel door frames are provided with one coat of oven-cured neutral color primer paint. Primer coat shall conform with ANSI A250.10. The primer coat is a preparatory base for necessary finish painting. "Colorstyle" finish coat is also available. Colorstyle finish is electrostatically applied, oven-cured urethane enamel. For accurate color selector chart ask customer service for a Pantone Colorstyle chart.



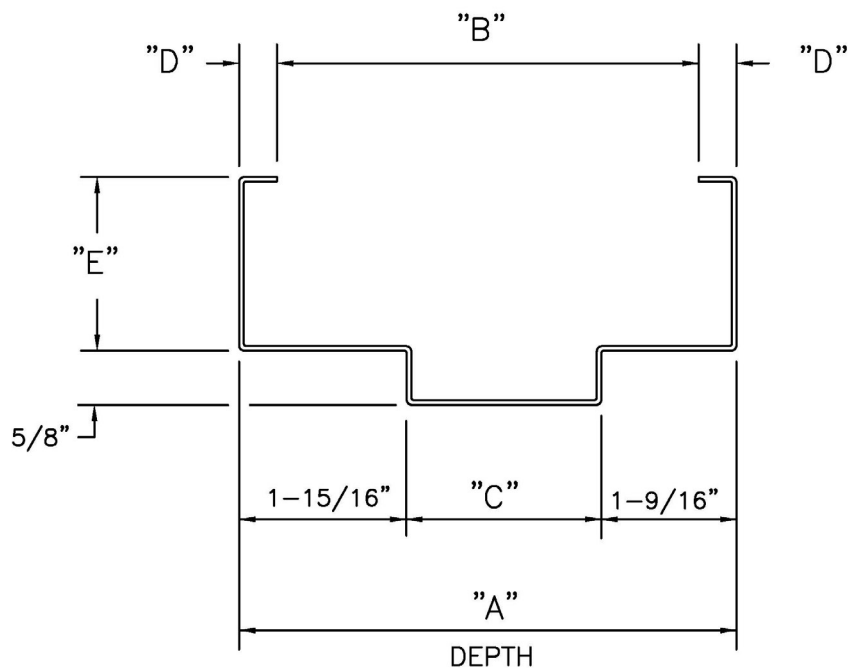
ASSA ABLOY

TECH-DATA

SERIES SU STEEL FRAMES (UNEQUAL RABBIT)

FOR 1-3/4" THICK DOORS

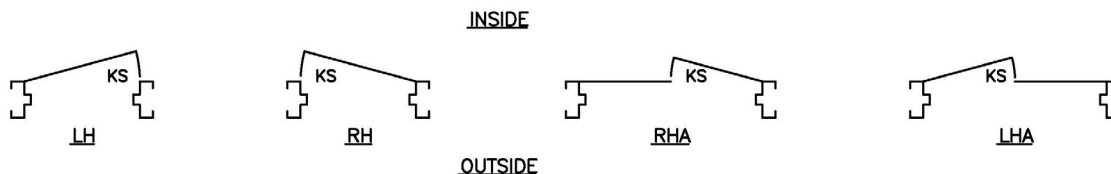
STANDARD WALL APPLICATION, HANDED



(Conversion: 1" = 25.4 mm, e.g., 1-3/4" = 44.45 mm)

DEPTH	A	B	C	D	E	
					HEAD & JAMBS	HEAD & JAMBS
434	4-3/4"	3-3/4"	1-1/4"	1/2"	2"	1"
534	5-3/4"	4-7/8"	2-1/4"	7/16"	2"	1"
634	6-3/4"	5-3/4"	3-1/4"	1/2"	2"	1"
734	7-3/4"	6-3/4"	4-1/4"	1/2"	2"	1"
834	8-3/4"	7-3/4"	5-1/4"	1/2"	2"	1"

Series SU, double rabbet frames (with unequal rabbets) are also available in a range of depths from: 4-5/8" thru 14" in 1/8" increments.
4" face heads with 2" face jambs are also available in selected sizes.

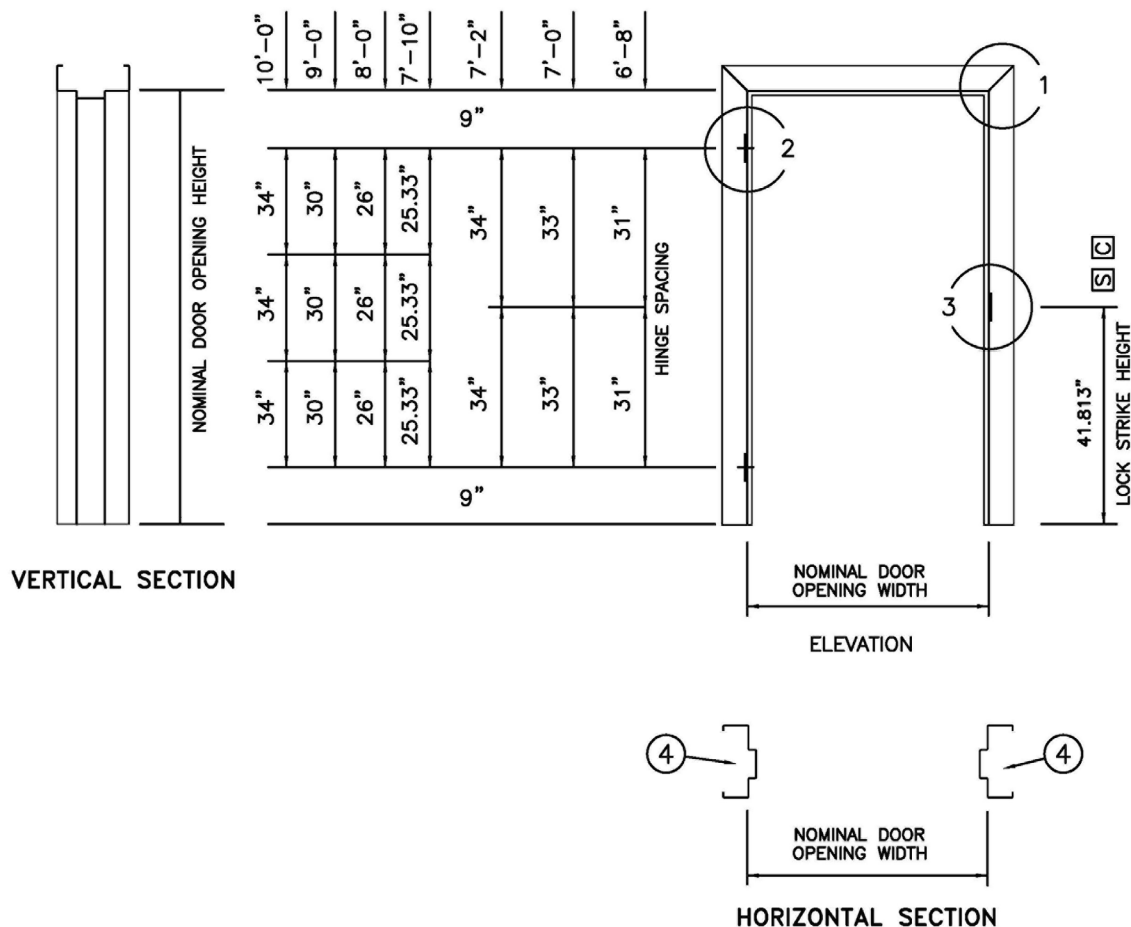


"KS" = KEY SIDE

TECH-DATA

SERIES SU STEEL FRAMES

Hardware locations shown match Ceco standard doors.

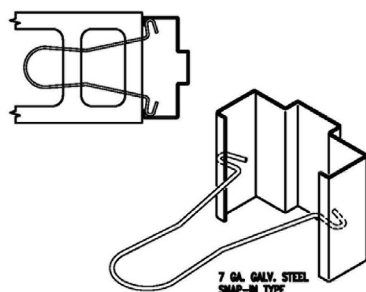


(Conversion: 1" = 25.4 mm, e.g., 1-3/4" = 44.45 mm)

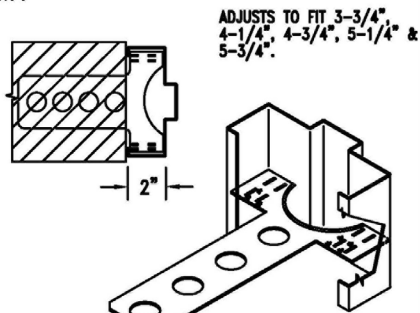
JAMB ANCHOR QUANTITIES

2 PER JAMB FOR HEIGHTS 3'6" THRU 5'0" AND ONE FLOOR ANCHOR
 3 PER JAMB FOR HEIGHTS >5'0" THRU 7'2" AND ONE FLOOR ANCHOR
 4 PER JAMB FOR HEIGHTS >7'2" THRU 7'6" AND ONE FLOOR ANCHOR
 5 PER JAMB FOR HEIGHTS >7'6" THRU 10'0" AND ONE FLOOR ANCHOR
 ONE ADDITIONAL JAMB ANCHOR FOR EACH ADDITIONAL TWO FEET IN HEIGHT OR FRACTION THEREOF
 ONE ADDITIONAL JAMB ANCHOR IN LIEU OF FLOOR ANCHOR FOR EXISTING STUDS AND/OR WALL CONDITIONS.

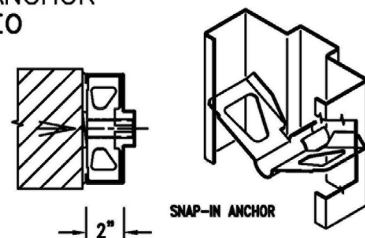
WIRE MASONRY ANCHOR WMA



MASONRY "T" ANCHOR (ADJUSTABLE) MT



EXISTING OPENING ANCHOR EO

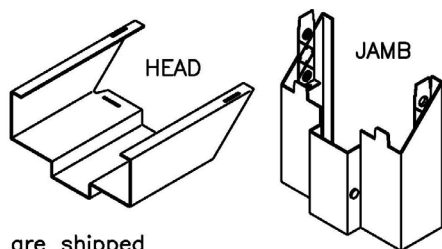


SU PROFILE EO/S6: 4-3/4" THRU 6-3/4" DEPTH
 EO/S8: 6-7/8" THRU 8-3/4" DEPTH

TECH-DATA

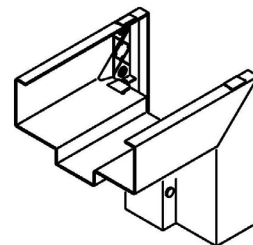
SERIES SU STEEL FRAMES

① KNOCKED DOWN (KD) CORNER CONSTRUCTION



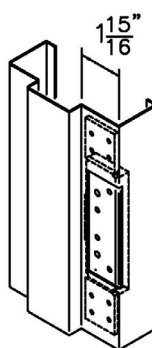
Components are shipped
"knocked down" and
assembled at the job site

① WELDED CORNERS



Die-cut corner with
corner tab and face
weld shown. Also
available without tab
and welded or mitre
sawed and welded.
Alternative weld options
are also available.

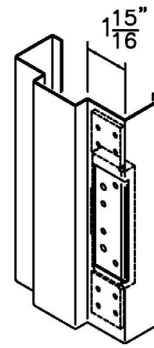
② HINGE PREPARATION



4-1/2" x .134" OR
4-1/2" x .180"
ANSI A156.7 TEMPLATE
7 GAGE STEEL
REINFORCING

BACKSET: 5/16"

② HINGE PREPARATION



5" x .146" OR
5" x .190"
ANSI A156.7 TEMPLATE
7 GAGE STEEL
REINFORCING

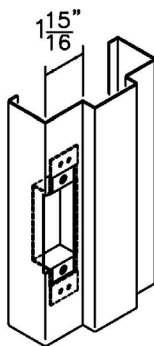
BACKSET: 5/16"

(Conversion: 1" = 25.4 mm, e.g., 1-3/4" = 44.45 mm)

③ LOCK STRIKE PREPARATION



UNIVERSAL (4-7/8")
ANSI A115.1 & 2 TEMPLATE
16 GAGE STEEL REINFORCING
WITH EXTRUDED SCREW HOLES
PROVIDES EQUIVALENT THREAD
ENGAGEMENT EQUAL TO 14 GAGE.
STANDARD FOR 1-3/4" DOORS

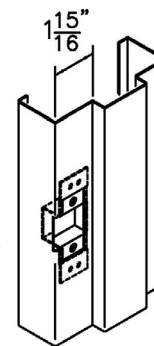


③ LOCK STRIKE PREPARATION

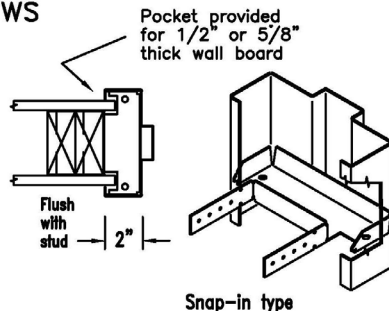


CYLINDRICAL (2-3/4")
ANSI A115.3 TEMPLATE
16 GAGE STEEL REINFORCING
WITH EXTRUDED SCREW HOLES
PROVIDES EQUIVALENT THREAD
ENGAGEMENT EQUAL TO 14 GAGE.
OPTIONAL FOR 1-3/4" DOORS

ALSO AVAILABLE WITHOUT LIP
NOTCH FOR DEADBOLTS.

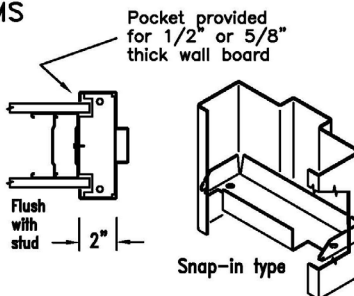


④ WOOD STUD ANCHOR WS



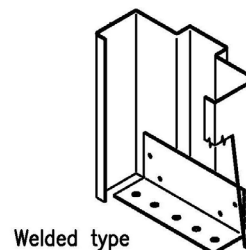
(Used also for METAL STUD Walls)

④ METAL STUD ANCHOR MS



4-3/4" and 5-3/4" Depth Only
For other depths use WS type.

④ FIXED FLOOR ANCHOR SA



ONE PIECE

TECH-DATA

SERIES SU STEEL FRAMES

STANDARD SIZES NOMINAL DOOR OPENING

WIDTH		HEIGHT
SINGLE	DOUBLE	
2'-0"	4'-0"	6'-8"
2'-4"	4'-8"	
2'-6"	5'-0"	7'-0"
2'-8"	5'-4"	7'-2"
2'-10"	5'-8"	7'-10"
3'-0"	6'-0"	8'-0"
3'-4"	6'-8"	9'-0"
3'-6"	7'-0"	10'-0"
3'-8"	7'-4"	
3'-10"	7'-8"	
4'-0"	8'-0"	
5'-0"	10'-0"	

FIRE DOORS

LABELING AGENCIES:

- UL SOLUTIONS
- WARNOCK HERSEY
- FACTORY MUTUAL

TEST: UL10B, UL10C, UI1784 & NFPA 252

- RATING: 20 MIN, 3/4 HR, 1 HR, 1-1/2 HR, OR 3 HR
- MAX. SIZE: 4'0" x 10'0" SINGLE
8'0" x 10'0" PAIR

Not all ratings are available in all sizes, designs and materials. Hourly classifications are not shown on label unless class is less than 3 hours.

PRODUCT SPECIFICATIONS:

Steel door frames shall be as manufactured by Ceco Door Products, Milan, TN or Mason City, IA USA. They shall conform to the Steel Door Institute guide specification, ANSI A250.8. See chart below for performance classifications.

Series SU frames for 1-3/4" doors are formed from commercial quality cold rolled steel conforming to ASTM A1008 ...or (optional) hot-dipped galvanized or galvanized steel conforming to ASTM A924 and A653 - see chart below.

Frames are knocked down (K.D.) field assembled type or welded unit type. Head and jamb members of K.D. frames have diecut mitered corners that interlock rigidly when field assembled. Integral door stops are 5/8" high. Jambs are sized to suit wall applications. Twist-in anchors are available for new masonry, wood stud, metal stud, or existing opening wall conditions (indicate which). Floor anchors or extra jamb anchors are provided to anchor sill. Welded-in jamb anchors are also available.

Hardware Provisions: Frames are handed. Hinge jambs are mortised for 4-1/2" or 5" high, standard and heavy weight hinges (specify which). 7 gage steel reinforcements are welded in place and are drilled and tapped for fasteners in accordance with ANSI A156.7. The strike jamb is prepared for 4-7/8" universal or 2-3/4" cylindrical strike in accordance with ANSI A 115.1 & 2 (specify which). Plaster guards are provided. Optional closer reinforcement is a 14 gage steel formed steel sleeve (12 gage upon request). 3 mute holes are provided per strike jamb and 2 for double swing heads.

Paint: Steel door frames are provided with one coat of oven-cured neutral color primer paint. Primer coat shall conform with ANSI A250.10. The primer coat is a preparatory base for necessary finish painting. "Colorstyle" finish coat is also available on K.D. frames from a selection of standard colors (optional). Colorstyle finish is electrostatically applied, oven-cured urethane enamel, and shall conform to ANSI A250.3. For accurate color selectors ask for a Ceco Colorstyle chart.

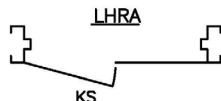
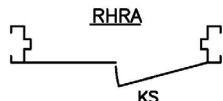
MATERIAL

DOOR FRAME MATERIAL	LEVEL	C.R.	GALV	
			A60	G90
16 Gage Steel	Heavy or Extra Heavy Duty	STD	OPT	OPT
14 Gage Steel	Maximun Duty	STD	OPT	OPT

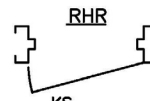
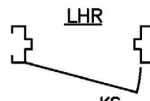
(Conversion: 1" = 25.4 mm, e.g., 1-3/4" = 44.45 mm)

PERFORMANCE

Physical Endurance Level:	Meets ANSI A250.4 Performance Test -- 16 & 14 gage steel: Level A (1,000,000 Cycles)
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INSIDE



OUTSIDE

"SUFFIX A" = ACTIVE LEAF OF PAIRS

"KS" = KEY SIDE