

A photograph of a modern kitchen with a large island and a folding door system. The kitchen features dark wood cabinetry, a marble countertop, and a large island with a curved edge. The island is surrounded by wooden bar stools. A large folding door system is visible on the right side of the image, partially open, revealing the interior. The lighting is warm and ambient.

Eclipse Architectural[®]
Exterior Folding Door Systems

Beautiful doors for beautiful spaces

ECLIPSE E2™ SYSTEM FOR EXTERIOR OUTSWING APPLICATIONS ONLY
ECLIPSE E2I INTERIOR FOLDING DOOR HARDWARE SYSTEM

Eclipse E2 Outswing System Catalogue & E2i Interior Door Hardware System • Revision (10) March 26, 2018

PRINTED CATALOGUE MAY NOT BE UP TO DATE, ALWAYS REFER TO PRODUCT WEBSITE FOR MOST UP TO DATE CONTENT.

E2 HARDWARE, TRACK, SILL SYSTEM & WEATHERSEALING FOR EXTERIOR FOLDING DOORS & WINDOWS

In a single direction

maximum panel weight: 130 lbs (60 kg)
 maximum panel width: 43" (1100mm)
 maximum panel height: 118" (3000mm)

maximum number of panels: 8 each way
 panel thickness: 1-3/4" (44.45 mm) using E2 Sill System
 panel thickness: 1-3/8" (34.93 mm) or 2-1/4" (57.15 mm) using floor channel.

The Eclipse E2™ System is designed for folding doors in exterior residential or light commercial applications. It has been developed to allow the opening to be effectively weathersealed for exposed environments. It enables up to 8 doors in both directions to be folded to the side of an opening and is suitable for Housing, Apartments, Cafes, Restaurants, Hotels & Shop Fronts. A typical installation of an Eclipse E2™ System would be glazed doors opening out onto a balcony or patio. It can be used in place of aluminum, wood or PVC sliding doors.

Weather: This system is suitable for use in exterior building applications.

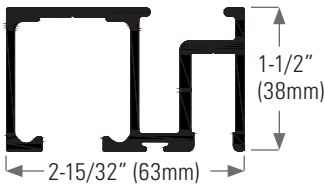
Application: The Eclipse E2™ System uses pivots attached to the head and sill, which allow adjustment horizontally and vertically of the entire system. The pivots provide compensation for out-of-square jambs with up to 3/8" (10mm) of adjustment. All screws are fully concealed for external security.

Materials: The Eclipse E2™ System uses architectural grade aluminum alloy for tracking and stainless steel for hinge pins, carrier pins and carrier bogeys. Hinges are available in PVD brass, Brushed Stainless steel, and PVD Bronze, finishes over stainless steel.

Parts Selection

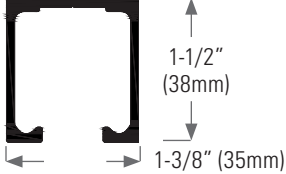
Eclipse E2™ is specified with 5 separate groups: track, sill, weathersealing, flushbolts and hardware. Components are required from all 5 groups to build an Eclipse folding door system.

TOP TRACK WITH FLUSHBOLT PIN CHANNEL



KT49C clear anodized
KT49D bronze anodized
 Lengths available: 111", 147", 183", 222", 294"
 (2.81m, 3.73m, 4.64m, 5.63m, 7.46m)

Top Track, extruded aluminum (optional)



KT41C clear anodized.
KT41D bronze anodized.
 Lengths available: 111", 147", 183", 222"
 (2.81m, 3.73m, 4.64m, 5.63m)

SILL SYSTEM



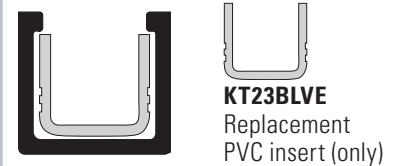
Fir top water return sill, extruded aluminum
 clear or bronze anodized.

KT795 8" wide (203mm) for 1-3/4" (44.5mm) door.
KT797 8" wide (203mm) for 2-1/4" (57mm) door.
KT775 6-9/16" wide (167mm) for 1-3/4" (44.5mm) door.
KT777 6-9/16" wide (167mm) for 2-1/4" (57mm) door.

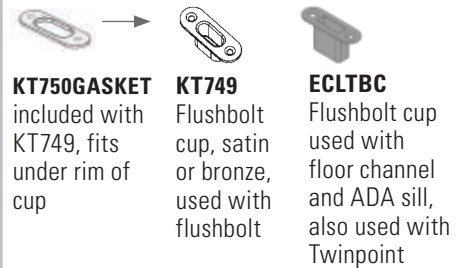
Lengths available: 111", 147", 183", 222", 294" (2.81m, 3.73m, 4.64m, 5.63m, 7.46m). Order flushbolt cups and sill assembly end gaskets separately.



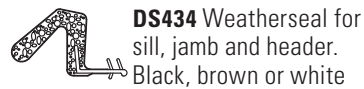
FLOOR CHANNEL



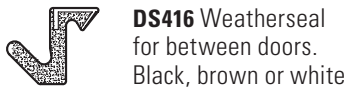
KT23DV floor channel, bronze anodized with PVC insert, black.
 Lengths available: 111", 147", 183", 222", 294" (2.81m, 3.73m, 4.64m, 5.63m, 7.46m)



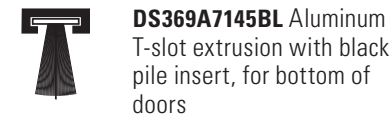
WEATHERSEALS & ASTRAGAL



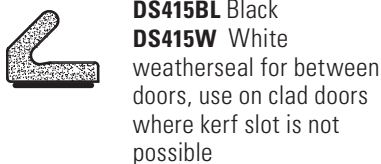
DS434 Weatherseal for sill, jamb and header.
 Black, brown or white



DS416 Weatherseal for between doors.
 Black, brown or white



DS369A7145BL Aluminum T-slot extrusion with black pile insert, for bottom of doors



DS415BL Black
DS415W White
 weatherseal for between doors, use on clad doors where kerf slot is not possible

KT190 Fir astragal, may be stained or painted



DS434 Kerf seal

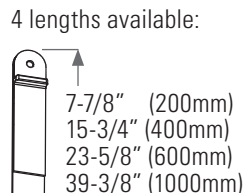


DSP108-35BL Pile weatherseal for door with astragal, 5/16" (8mm) pile height, black



DS7145-270BL Pile weatherseal for KT70 & KT75 top track, black

FLUSHBOLTS OR TWINPOINT FOR OUTSWING & INSWING DOORS

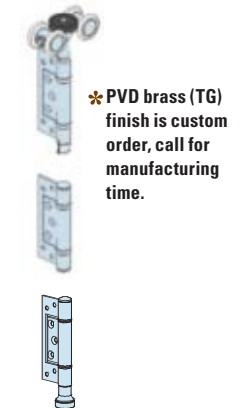


DBOT Style 1" (25.4mm) throw length regardless of bolt length.

Finishes available: brushed aluminum or bronze powder coat.

HARDWARE

2 stock finishes available: Stainless steel & pvd bronze



* PVD brass (TG) finish is custom order, call for manufacturing time.

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KTE2I INTERIOR FOLDING DOOR HARDWARE

KTE2I	30 - 35
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Legend

X	Satin aluminum
G	Bright gold anodized
TG	PVD brass
OL	PVD bronze *
Q	Powder coat bronze
S	Stainless steel
C	Clear anodized
D	Bronze anodized
B	Brown
BVE	Black vinyl extrusion
BL	Black
DHC	Satin / clear
DHD	Bronze anodized
DHBL	Black powder coat
DHW	White powder coat
NK	Black pile
NG	Grey pile

* PVD brass (TG) finish is custom order, call for manufacturing time.

Swing

IS	Inswing
OS	Outswing

Misc

SPC	Sill protective cover
GASKET	A/B gasket
FORB	Router bit
FIR	Fir top mould
DJ	Drill jig for hinges

Lengths For Flushbolts

7-7/8" (200mm)
15-3/4" (400mm)
23-5/8" (600mm)
39-3/8" (1000mm)

Hardware

ICS	Intermediate carrier 3 piece set
LCS	Left carrier 2 piece set
RCS	Right corner 2 piece set
PS	Pivot top & bottom 2 piece set
EH	"D" pull handle 1 piece
H	Hinge flat with handle 1 piece
HH	Hinge offset with handle 1 piece
HNH	Hinge flat no handle 1 piece
HHNH	Hinge offset no handle 1 piece
HS	Hinge flat with handle 3 piece set
HHS	Hinge offset with handle 3 piece set
HNHS	Hinge flat no handle 3 piece set
HHNH	Hinge offset no handle 3 piece set
WP	Wall pivot

Misc / Spare Hardware Components

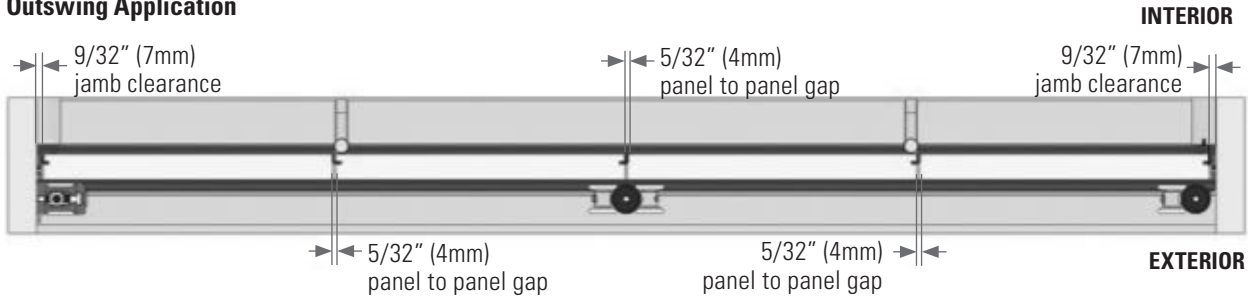
PCS	End cap for OC flushbolts pin
SP	Striker plate
CBP	Bottom pivot housing
PCP	Pivot cap
SCREW	Screws for hinge flaps
WPCUP	Wall pivot jamb cup only
SPOC	Striker plate OC flushbolt
TPPLATE	Top pivot mounting plate
DH	Door hold

Flushbolts

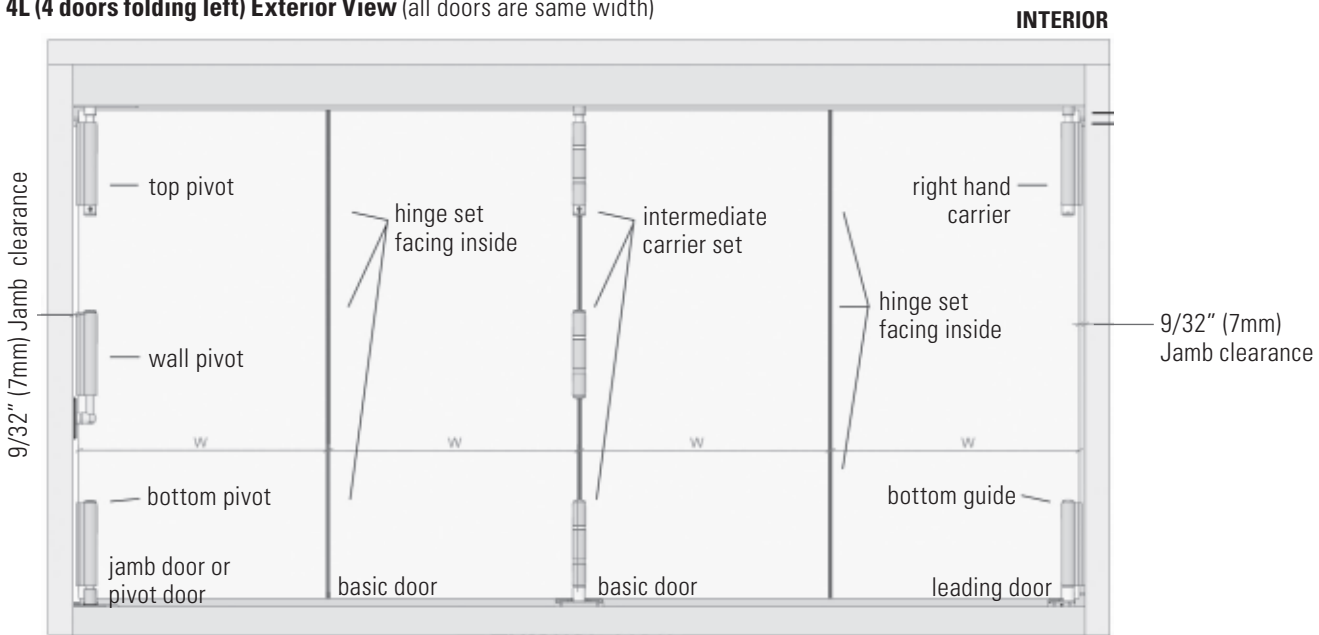
KTDBOT	For outswing application
KTDBSY	For ADA sill application

E2 ARCHITECTURAL DETAIL

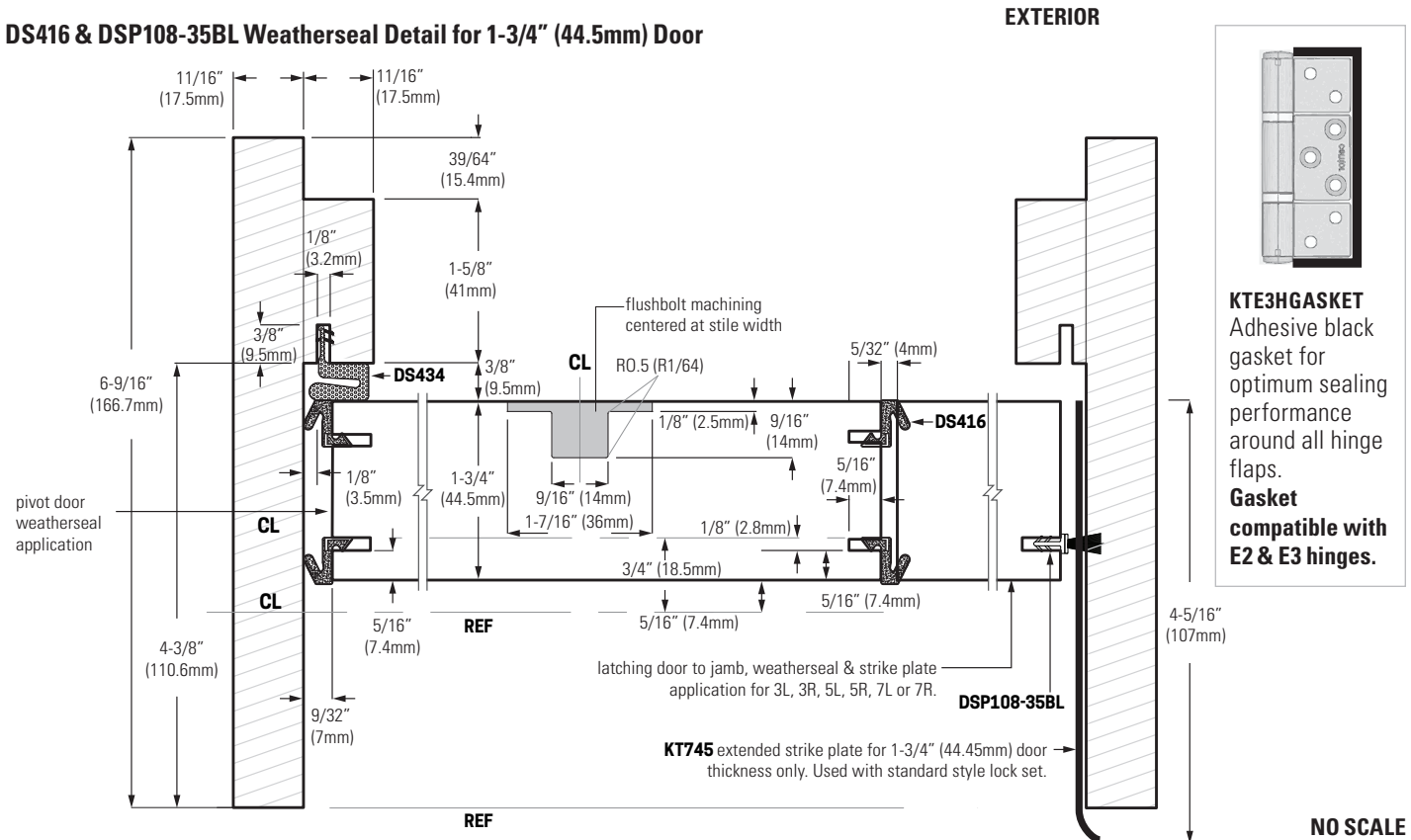
Outswing Application



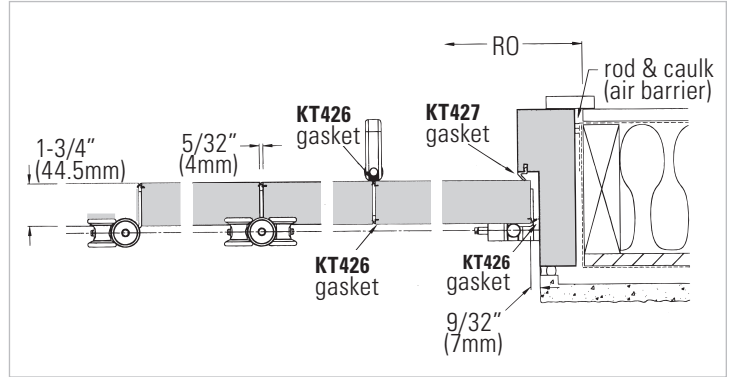
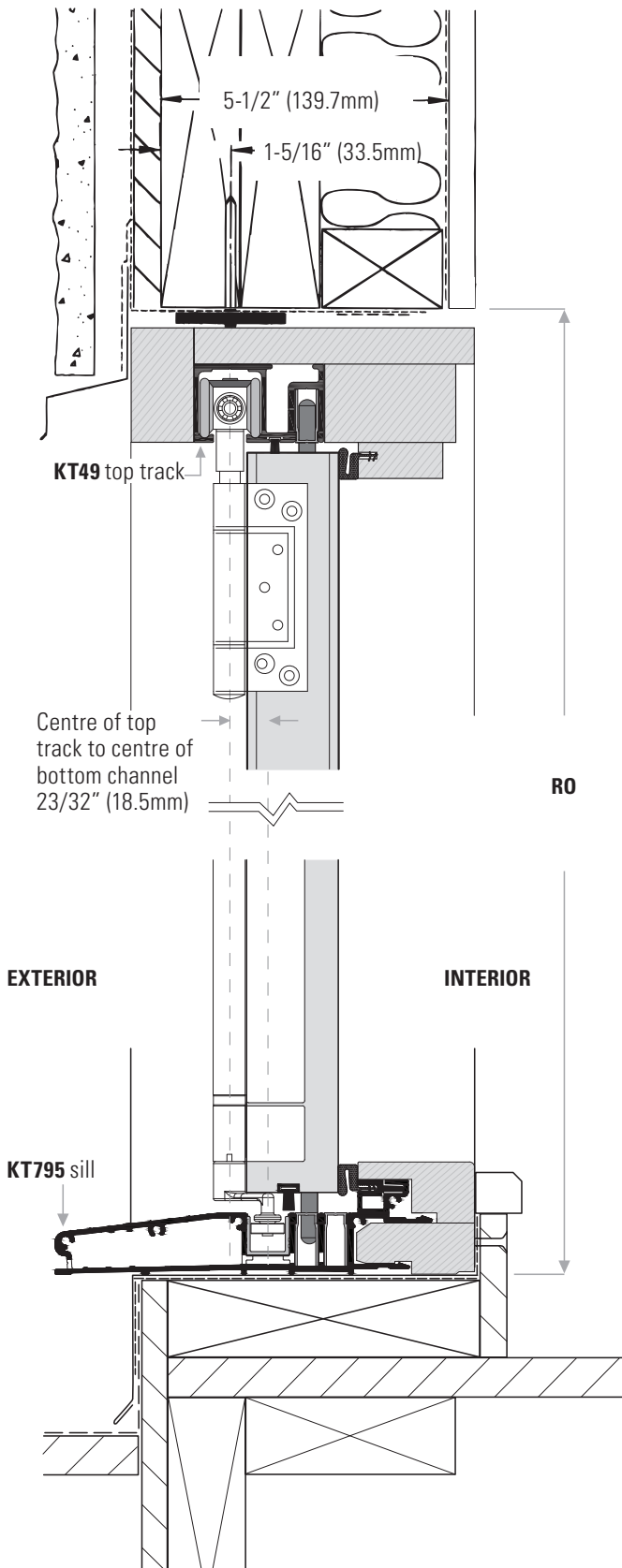
4L (4 doors folding left) Exterior View (all doors are same width)



DS416 & DSP108-35BL Weatherseal Detail for 1-3/4" (44.5mm) Door



E2 ARCHITECTURAL DETAIL



Tested in accordance with A440 and AAMA101
Testing by:

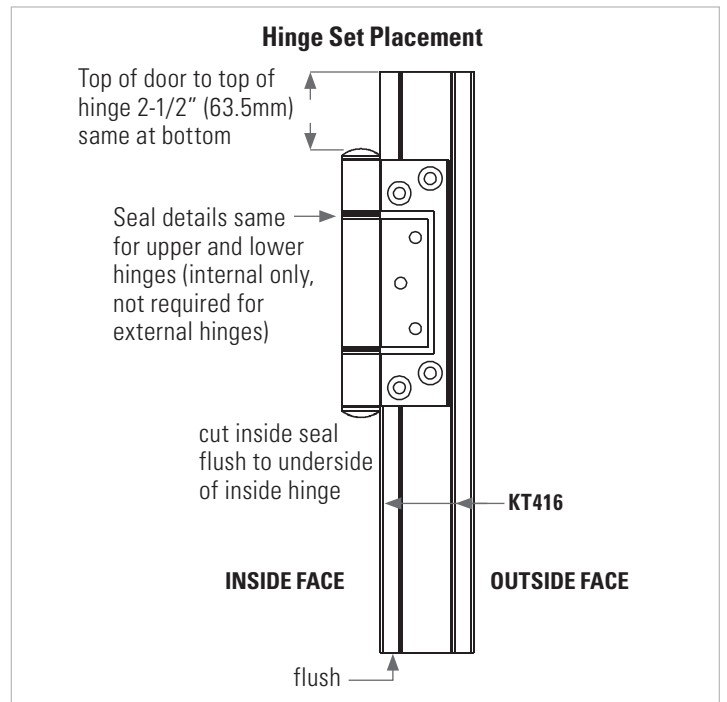


Equivalent A440 rating (A440-98)
Water tightness - B4 with raised sill
Air tightness - A3 min
Wind load resistance/structural - C2 min
Exceeds min. rating of AAMA/NWWDA 101/I.S. 2

For full E2 test results, please visit
www.eclipsearchitectural.com

In a single direction

- Maximum panel weight: 130 lbs (60 kg)
- Maximum panel width: 43" (1100mm)
- Maximum panel height: 118" (3000mm)
- Door thickness: 1-3/4" (44.45 mm) using Sill System.
- Maximum # of doors: 8 each way



E2 HARDWARE LIST FOR DOOR CONFIGURATIONS

Passage set/lock, flushbolt, astragal & hardware placement for outswing applications

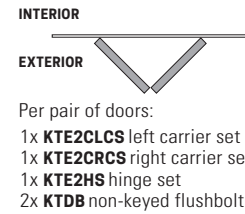
From left to right

2L		<p>1x KTE2CPS pivot set 1x KTE2CRCS right carrier set 1x KTE2HS hinge set 2x KTDB non-keyed flushbolt</p>
2L1R		<p>2x KTE2CPS pivot set 1x KTE2CRCS right carrier set 1x KTE2HS hinge set 2x KTDB non-keyed flushbolt</p>
3L		<p>1x KTE2CPS pivot set 1x KTE2CICS intermediate carrier set 1x KTE2HHS half offset hinge set 2x KTDB non-keyed flushbolt</p>
3L1R		<p>2x KTE2CPS pivot set 1x KTE2CICS intermediate carrier set 1x KTE2HHS half offset hinge set 4x KTDB non-keyed flushbolt</p>
4L		<p>1x KTE2CPS pivot set 1x KTE2CICS intermediate carrier set 1x KTE2CRCS right carrier set 2x KTE2HHS half offset hinge set 4x KTDB non-keyed flushbolt</p>
4L1R		<p>2x KTE2CPS pivot set 1x KTE2CICS intermediate carrier set 1x KTE2CRCS right carrier set 2x KTE2HHS half offset hinge set 4x KTDB non-keyed flushbolt</p>
3L2R		<p>2x KTE2CPS pivot set 1x KTE2CICS intermediate carrier set 1x KTE2CLCS left carrier set 1x KTE2HS hinge set 1x KTE2HHS half offset hinge set 4x KTDB non-keyed flushbolt</p>
5L		<p>1x KTE2CPS pivot set 2x KTE2CICS intermediate carrier set 1x KTE2HS hinge set 1x KTE2HHS half offset hinge set 4x KTDB non-keyed flushbolt</p>

HARDWARE LEGEND

- PS** Pivot set
- WPS** Wall pivot set
- MCS** Meeting carrier set
- ICS** Intermediate carrier set
- LCS** Left carrier set
- RCS** Right carrier set
- HHS** Half offset hinge set
- HS** Hinge set (flat)
- FB** Flushbolt
- ESP** Extended strike plate
- DH** Door hold
- MAG** Magnet
- TP** Twinpoint

FLOATING DOOR PAIRS



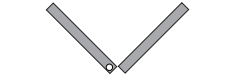
LEGEND

**PASSAGE SET
LOCK BY OTHER**

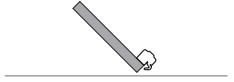
FLUSHBOLTS TOP & BOTTOM



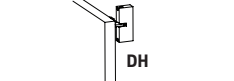
TWINPOINT OPTION TO FB



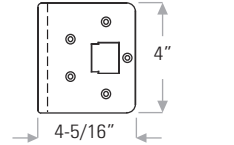
ASTRAGAL



DOOR HOLD



EXTENDED STRIKE PLATE for 1-3/4" Door Only

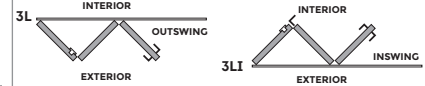


KT745ESPX
satin finish
KT745ESPQ
bronze powder coat

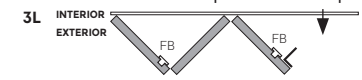
3L3R		<p>2x KTE2CPS pivot set 2x KTE2CICS intermediate carrier set 2x KTE2HHS half offset hinge set 6x KTDB non-keyed flushbolt</p>
7L		<p>1x KTE2CPS pivot set 3x KTE2CICS intermediate carrier set 2x KTE2HS hinge set 1x KTE2HHS half offset hinge set 6x KTDB non-keyed flushbolt</p>
4L3R		<p>2x KTE2CPS pivot set 2x KTE2CICS intermediate carrier set 1x KTE2CRCS right carrier set 3x KTE2HHS half offset hinge set 6x KTDB non-keyed flushbolt</p>
5L2R		<p>2x KTE2CPS pivot set 2x KTE2CICS intermediate carrier set 1x KTE2CLCS left carrier set 2x KTE2HS hinge set 1x KTE2HHS half offset hinge set 6x KTDB non-keyed flushbolt</p>
5L3R		<p>2x KTE2CPS pivot set 3x KTE2CICS intermediate carrier set 1x KTE2HS hinge set 2x KTE2HHS half offset hinge set 8x KTDB non-keyed flushbolt</p>
6L		<p>1x KTE2CPS pivot set 2x KTE2CICS intermediate carrier set 1x KTE2CRCS right carrier set 1x KTE2HS hinge set 2x KTE2HHS half offset hinge set 6x KTDB non-keyed flushbolt</p>

How To Determine Swing Of Systems

Configuration is always determined when viewing system from exterior side, going from left to right.

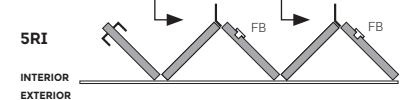


outswing application
"D" pull handle option



Use one "D" pull handle on each pair of inswing doors to pull open and close doors.

Inswing application "D" pull handle option



Use "D" pull handle on exit door (outswing system) where passage set / lock not required. Use flushbolts top and bottom to lock door from the inside only. Note: exit door not accessible from exterior.

E2 HARDWARE LIST FOR DOOR CONFIGURATIONS

Passage set/lock, flushbolt, astragal & hardware placement for outswing applications

From left to right

2R	INTERIOR EXTERIOR		This configuration not accessible from exterior	1x KTE2CPS pivot set 1x KTE2CLCS left carrier set 1x KTE2HS hinge set 2x KTDB non-keyed flushbolt
1L2R	INTERIOR EXTERIOR			2x KTE2CPS pivot set 1x KTE2CLCS left carrier set 1x KTE2HS hinge set 2x KTDB non-keyed flushbolt
3R	INTERIOR EXTERIOR			1x KTE2CPS pivot set 1x KTE2CICS intermediate carrier set 1x KTE2HHS half offset hinge set 2x KTDB non-keyed flushbolt
1L3R	INTERIOR EXTERIOR			2x KTE2CPS pivot set 1x KTE2CICS intermediate carrier set 1x KTE2HHS half offset hinge set 4x KTDB non-keyed flushbolt
2L2R	INTERIOR EXTERIOR		This configuration not accessible from exterior	2x KTE2CPS pivot set 1x KTE2CMCS meeting carrier set 2x KTE2HS hinge set 4x KTDB non-keyed flushbolt
1L4R	INTERIOR EXTERIOR			2x KTE2CPS pivot set 1x KTE2CICS intermediate carrier set 1x KTE2CLCS left carrier set 2x KTE2HHS half offset hinge set 4x KTDB non-keyed flushbolt
4R	INTERIOR EXTERIOR		This configuration not accessible from exterior	1x KTE2CPS pivot set 1x KTE2CICS intermediate carrier set 1x KTE2CLCS left carrier set 2x KTE2HHS half offset hinge set 4x KTDB non-keyed flushbolt
2L3R	INTERIOR EXTERIOR			2x KTE2CPS pivot set 1x KTE2CICS intermediate carrier set 1x KTE2CRCS right carrier set 1x KTE2HS hinge set 1x KTE2HHS half offset hinge set 4x KTDB non-keyed flushbolt
5R	INTERIOR EXTERIOR			1x KTE2CPS pivot set 2x KTE2CICS intermediate carrier set 1x KTE2HS hinge set 1x KTE2HHS half offset hinge set 4x KTDB non-keyed flushbolt
3L4R	INTERIOR EXTERIOR			2x KTE2CPS pivot set 2x KTE2CICS intermediate carrier set 1x KTE2CLCS left carrier set 3x KTE2HHS half offset hinge set 6x KTDB non-keyed flushbolt
7R	INTERIOR EXTERIOR			1x KTE2CPS pivot set 3x KTE2CICS intermediate carrier set 2x KTE2HS hinge set 1x KTE2HHS half offset hinge set 6x KTDB non-keyed flushbolt
2L5R	INTERIOR EXTERIOR			2x KTE2CPS pivot set 2x KTE2CICS intermediate carrier set 1x KTE2CRCS right carrier set 2x KTE2HS hinge set 1x KTE2HHS half offset hinge set 6x KTDB non-keyed flushbolt
8R	INTERIOR EXTERIOR		This configuration not accessible from exterior	1x KTE2CPS pivot set 3x KTE2CICS intermediate carrier set 1x KTE2CLCS left carrier set 2x KTE2HS hinge set 2x KTE2HHS half offset hinge set 8x KTDB non-keyed flushbolt

HARDWARE LEGEND

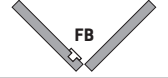
- PS Pivot set
- WPS Wall pivot set
- MCS Meeting carrier set
- ICS Intermediate carrier set
- LCS Left carrier set
- RCS Right carrier set
- HHS Half offset hinge set
- HS Hinge set (flat)
- FB Flushbolt
- ESP Extended strike plate
- DH Door hold
- MAG Magnet
- TP Twinpoint

LEGEND

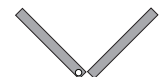
PASSAGE SET
LOCK BY OTHER



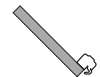
FLUSHBOLTS TOP & BOTTOM



TWINPOINT OPTION TO FB



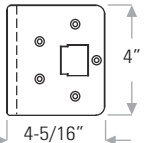
ASTRAGAL



DOOR HOLD



EXTENDED STRIKE PLATE
for 1-3/4" Door Only



KT745ESPX
satin finish
KT745ESPQ
bronze powder coat

FLOATING DOOR PAIRS

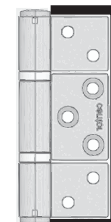
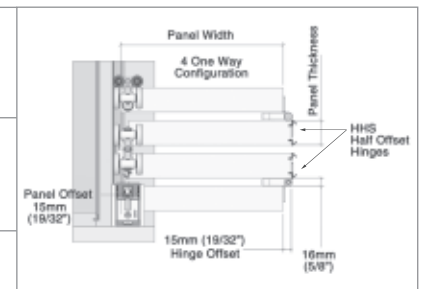
INTERIOR

EXTERIOR



Per pair of doors:

- 1x KTE2CLCS left carrier set
- 1x KTE2CRCS right carrier set
- 1x KTE2HS hinge set
- 2x KTDB non-keyed flushbolt

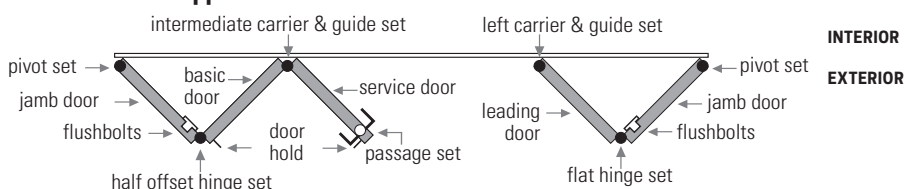


← neoprene black gasket

KTE3HGASKET

Adhesive black gasket for optimum sealing performance around all hinge flaps. Gasket compatible with E2 & E3 hinges.

3L2R Hardware Application

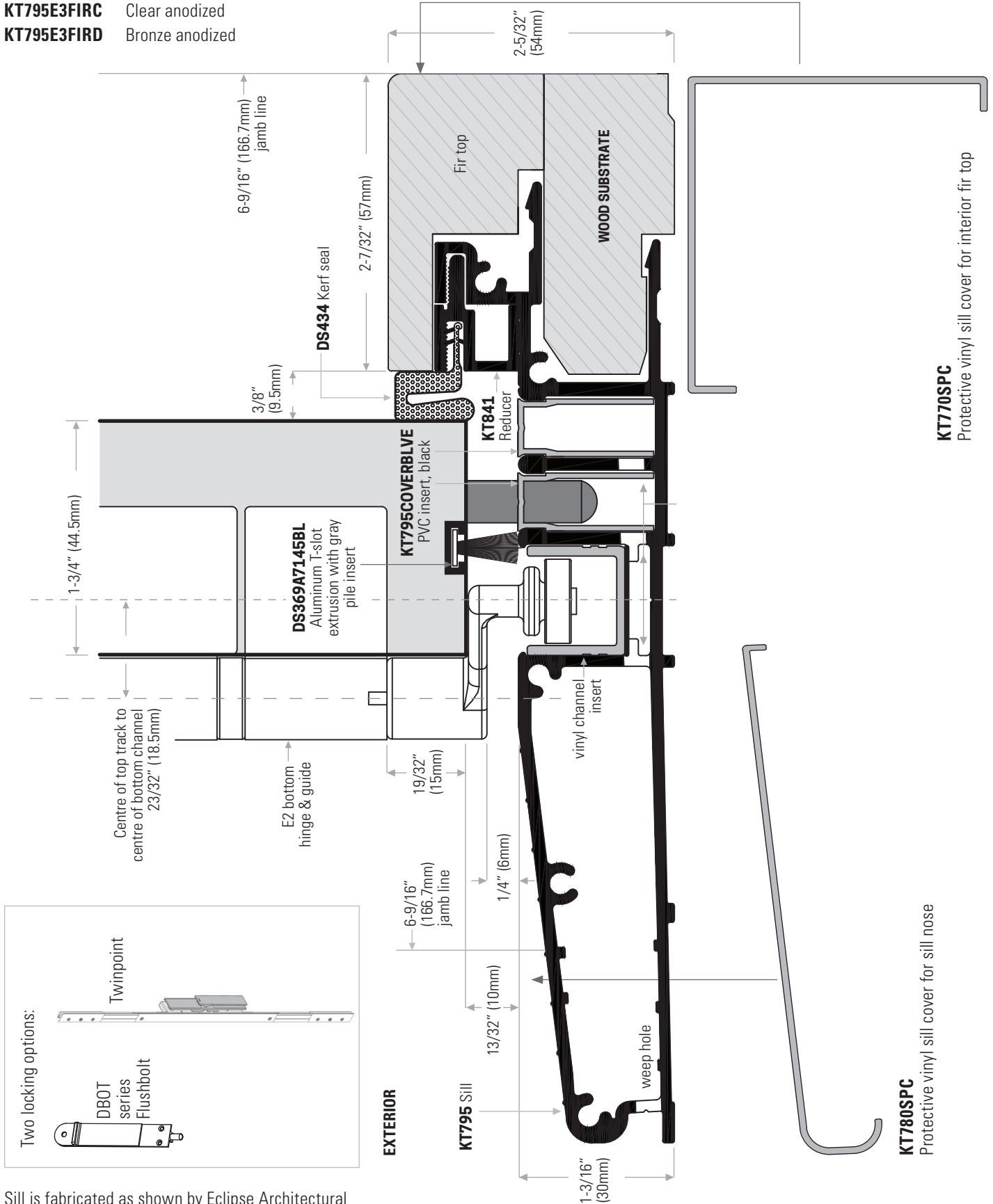


ECLIPSE KT795 (8") OUTSWING SILL SYSTEM FOR 1-3/4" (44.5MM) DOOR THICKNESS

Extrusion Alloy 6063 T5. Actual Full Sill Width: 8" (203mm) Channel Sill for Flushbolt or Twinpoint.

New Generation Sill with Flushbolt Pin Channel, Compatible with E2 & E3 Systems.

- KT795E3FIRC** Clear anodized
- KT795E3FIRD** Bronze anodized



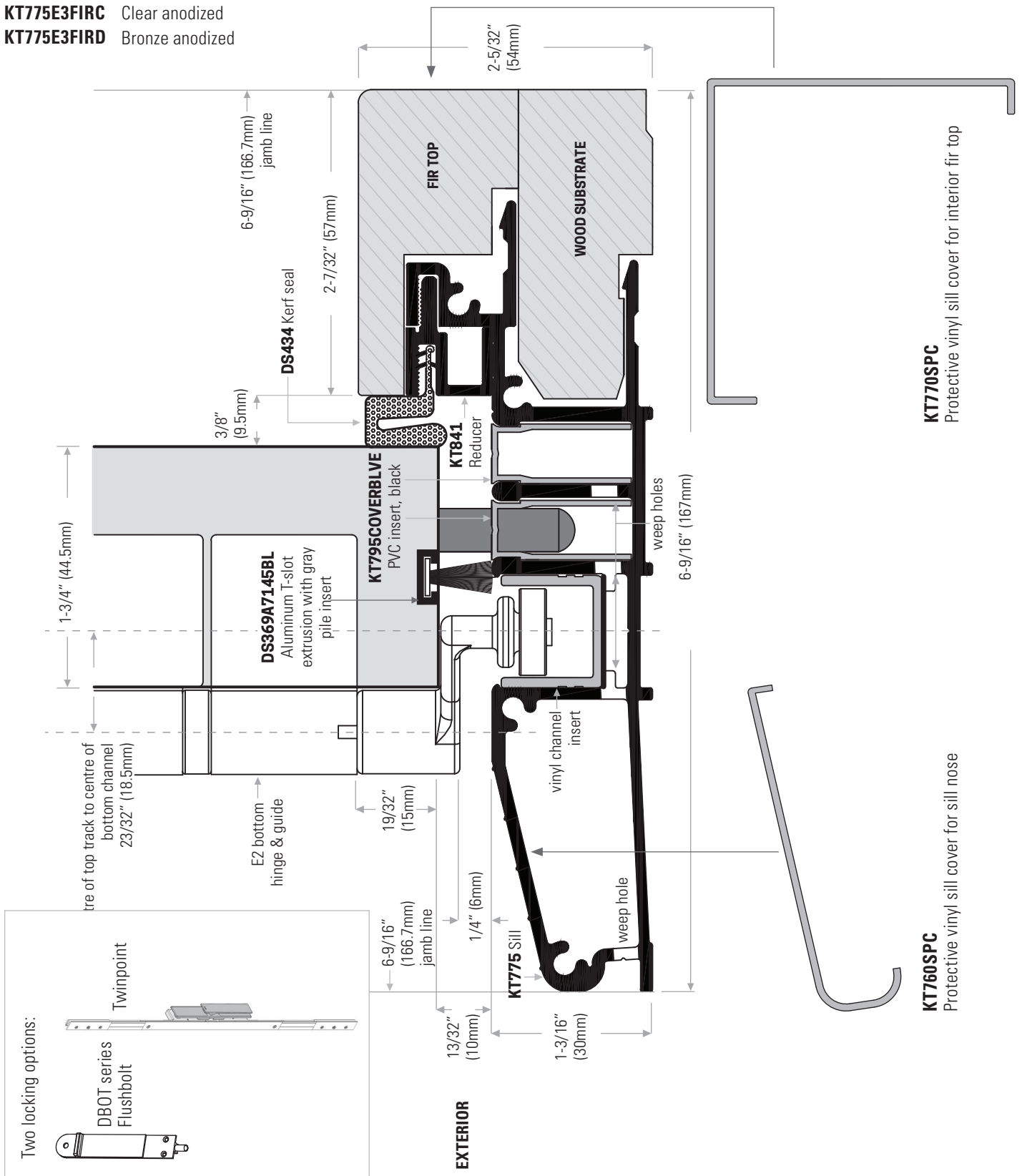
Sill is fabricated as shown by Eclipse Architectural

ECLIPSE KT775 (6-9/16") OUTSWING SILL SYSTEM FOR 1-3/4" (44.5MM) DOOR THICKNESS

Extrusion Alloy 6063 T5. Actual Full Sill Width: 6-9/16" (166.7mm) Channel Sill for Flushbolt or Twinpoint.

New Generation Sill with Flushbolt Pin Channel, Compatible with E2 & E3 Systems.

- KT775E3FIRC** Clear anodized
- KT775E3FIRD** Bronze anodized



Sill is fabricated as shown by Eclipse Architectural

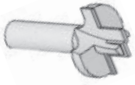
E2™ JAMB FOR 1-3/4" (44.5MM) DOOR THICKNESS

Exterior E2 Folding Door, Outswing Application.

Actual machining for flushbolts (face plate)

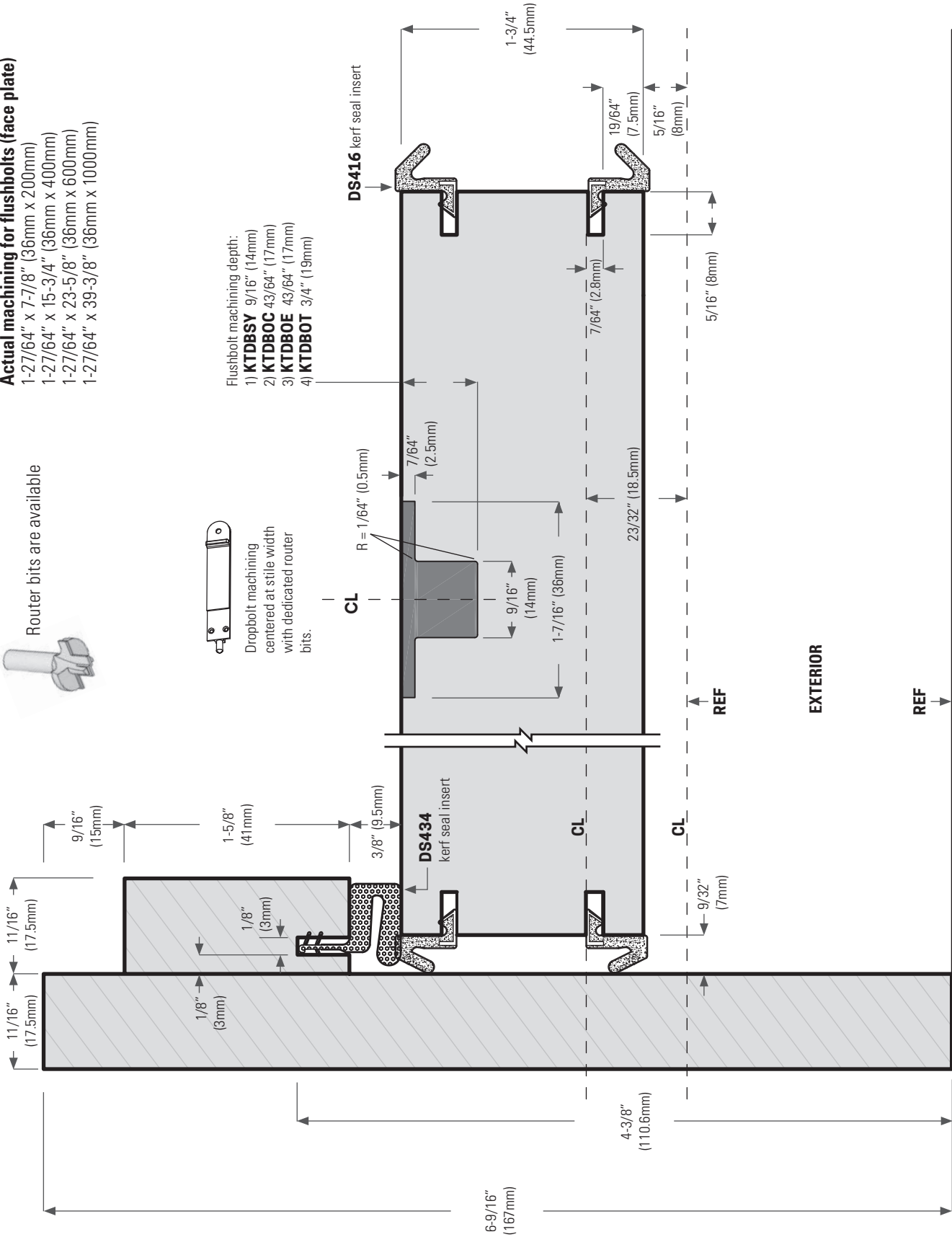
- 1-27/64" x 7-7/8" (36mm x 200mm)
- 1-27/64" x 15-3/4" (36mm x 400mm)
- 1-27/64" x 23-5/8" (36mm x 600mm)
- 1-27/64" x 39-3/8" (36mm x 1000mm)

Router bits are available



Dropbolt machining centered at stile width with dedicated router bits.

- Flushbolt machining depth:
- 1) **KTDBSY** 9/16" (14mm)
 - 2) **KTDBOC** 43/64" (17mm)
 - 3) **KTDBOE** 43/64" (17mm)
 - 4) **KTDBOT** 3/4" (19mm)



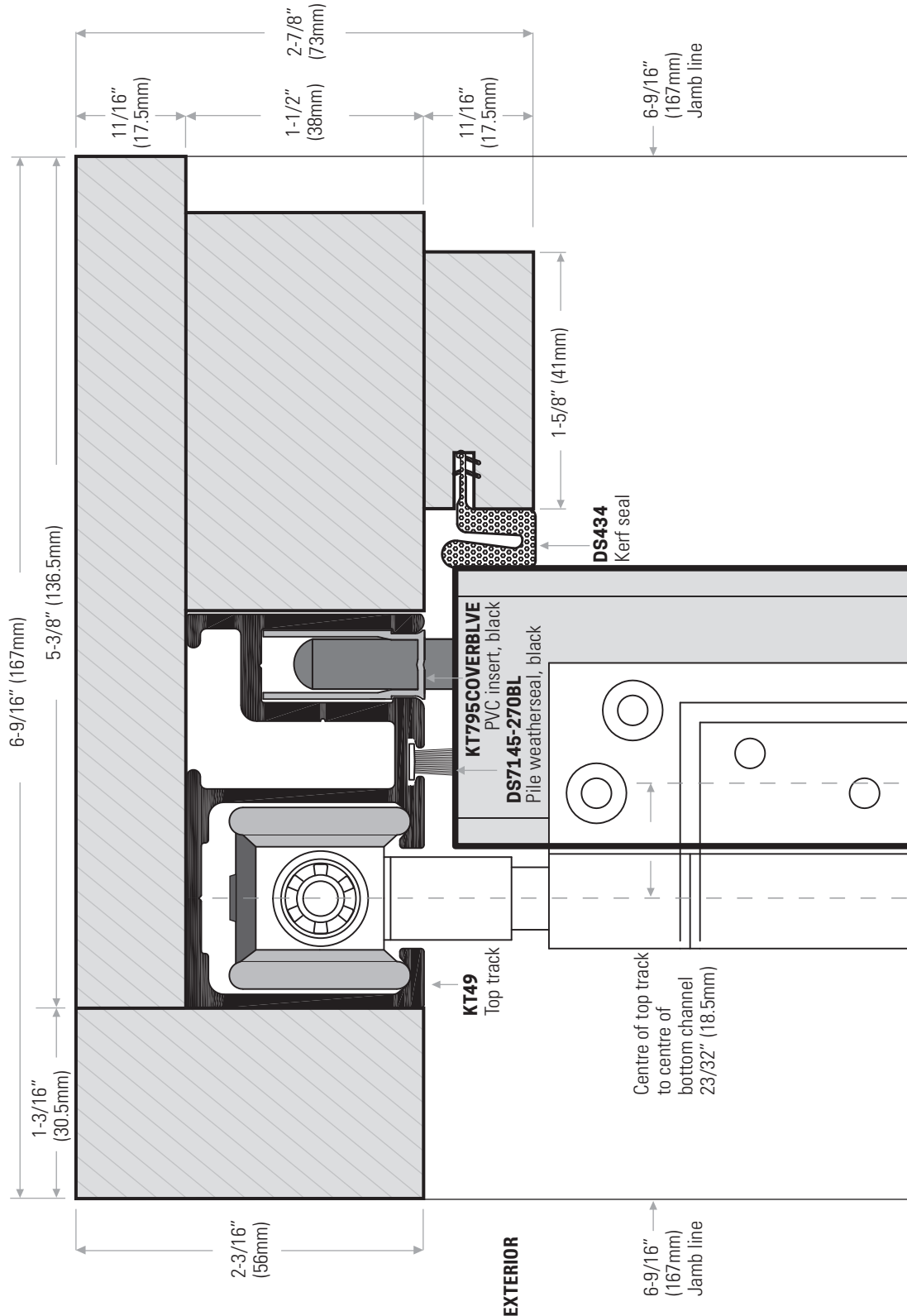
KT49 TOP TRACK FOR E2™ HEADER & 1-3/4" (44.5MM) DOOR THICKNESS

Exterior E2 Folding Door, KT49 Outswing Application Only. Channel Top Track for Flushbolt or Twinpoint.

New Generation Top Track with Flushbolt Pin Channel.

KT49C Clear anodized

KT49D Bronze anodized



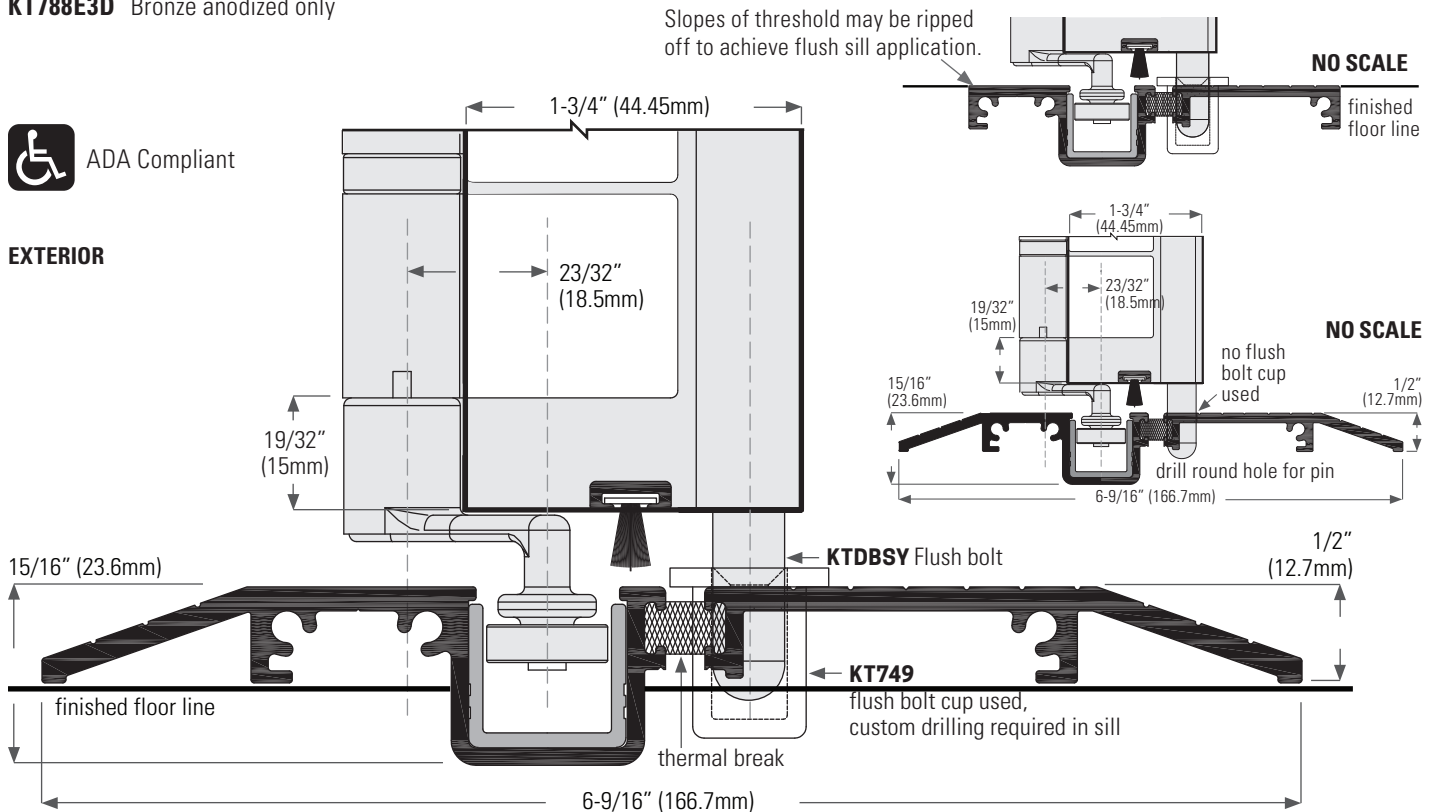
KT788 E3 ADA LOWRISE ALUMINUM SILL FOR INSWING & OUTSWING DOORS

NOTE: Door height plus 4-1/4": (107.9mm) = R.O. (from finished floor line to R.O. header) when using Eclipse frame specs.

KT788E3D Bronze anodized only

 ADA Compliant

EXTERIOR



KT23 OPTIONAL FLOOR CHANNEL APPLICATION FOR OUTSWING OR INSWING DOORS

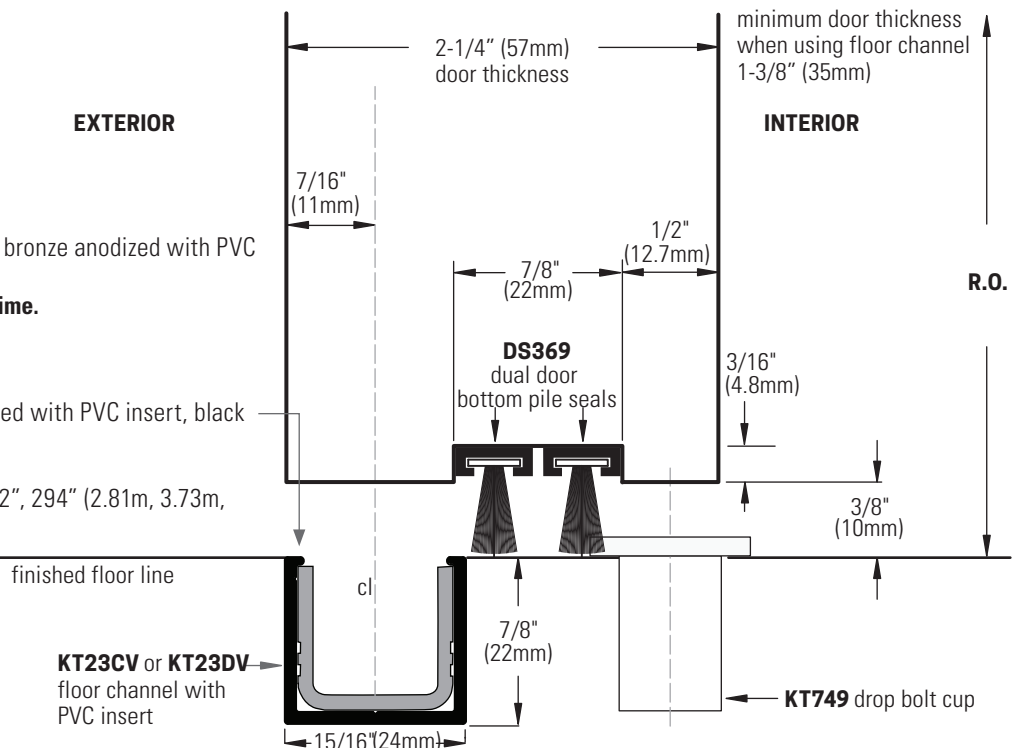
This application is recommended for interior application, exterior non-rainfall weather conditions or undercover well protected doors 2-1/4" (57mm) door, outswing application shown. Other door thickness may be used.

KT23D-RADIUS Floor channel radius bronze anodized with PVC insert, black 120" only (3048mm).
Custom order, call for manufacturing time.

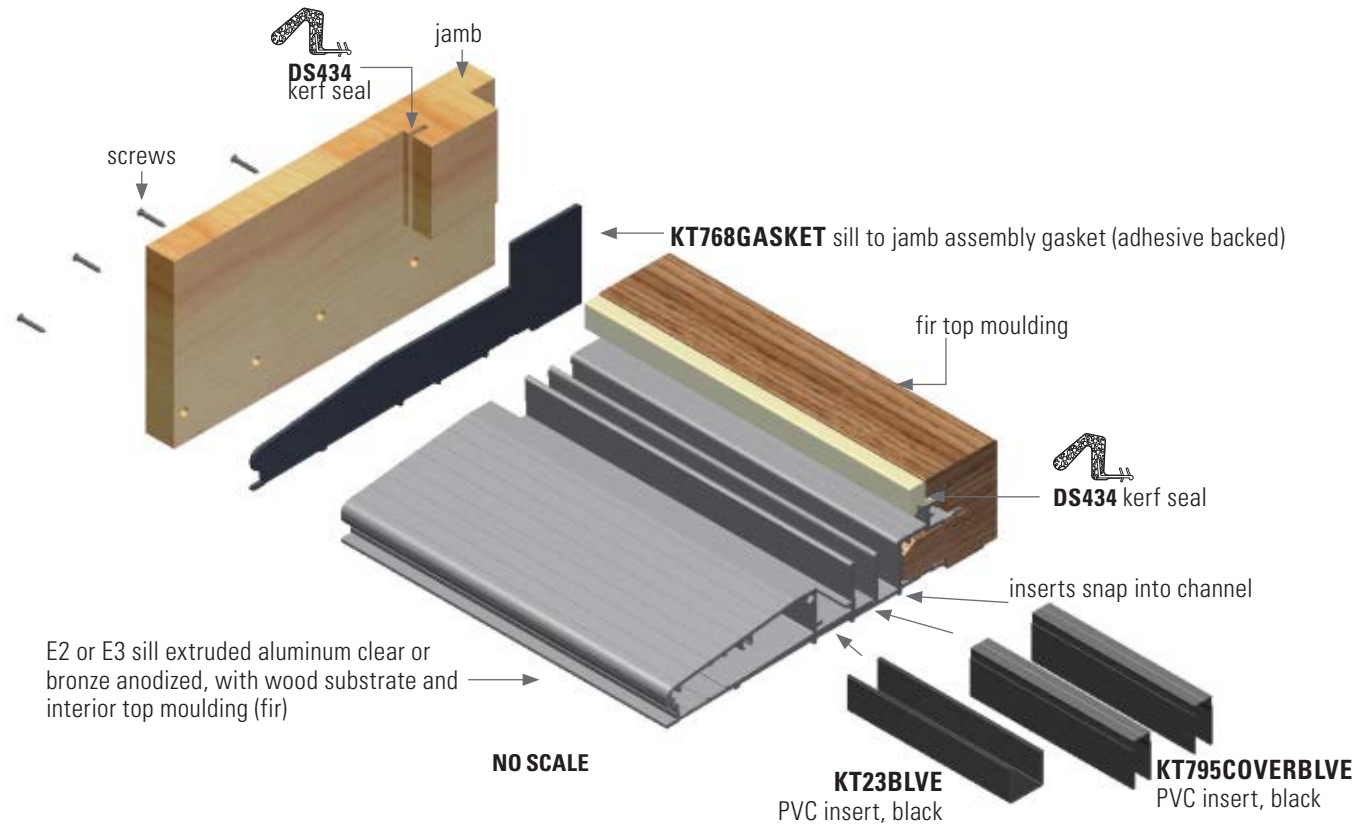
KT23DV Floor channel, bronze anodized with PVC insert, black
KT23BLVE PVC insert only, black

Lengths available: 111", 147", 183", 222", 294" (2.81m, 3.73m, 4.64m, 5.63m, 7.46m)

Door height plus 3-1/4" (83mm)
= R.O. (from finished floor line)
door height plus 2-3/4" (70mm)
= full jamb height



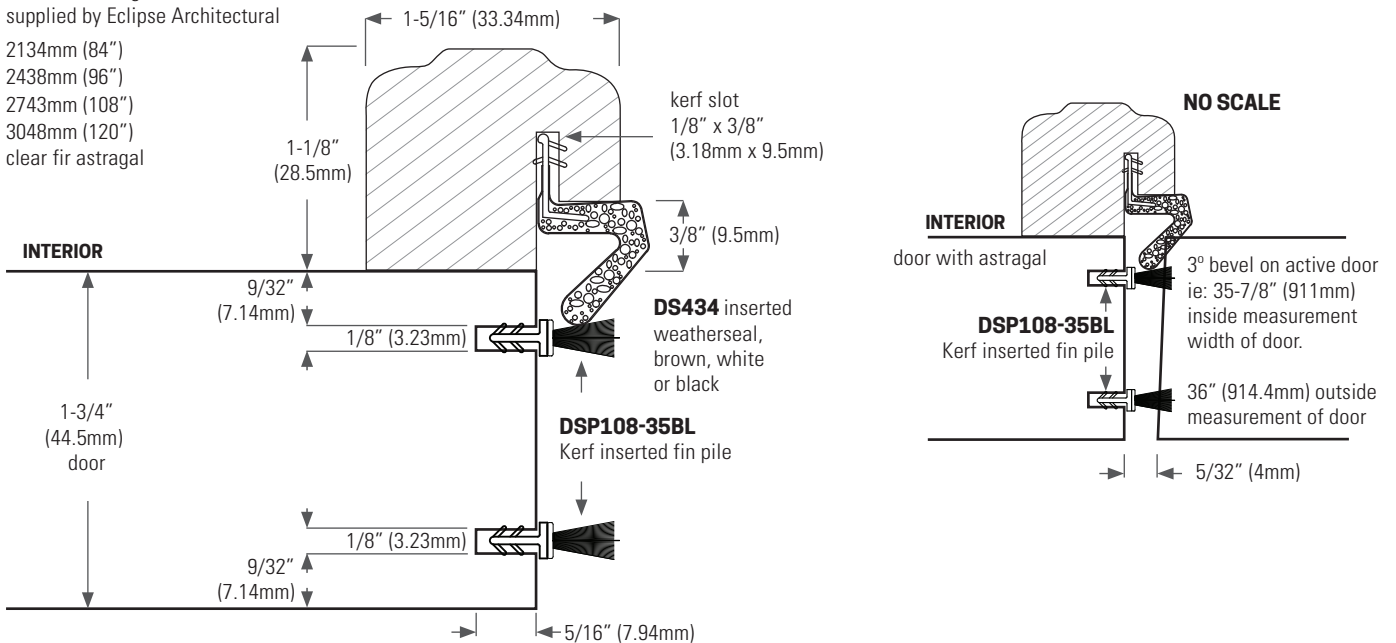
JAMB TO SILL ASSEMBLY



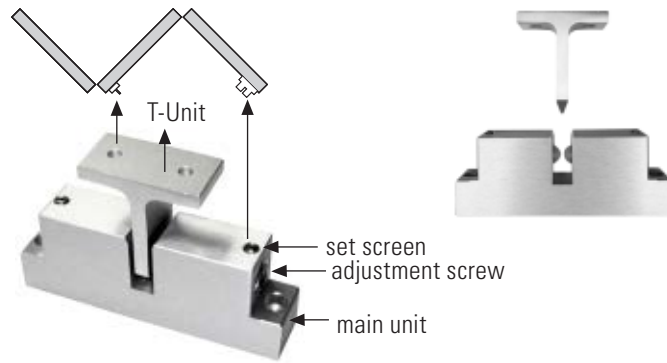
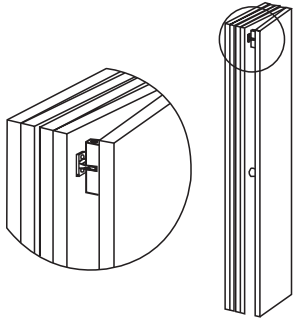
KT190C WOOD ASTRAGAL DETAIL FOR ECLIPSE E2 INTERIOR FOLDING SYSTEM

Triple Seal For Superior Sealing Performance

KT190C astragal
 supplied by Eclipse Architectural
 2134mm (84")
 2438mm (96")
 2743mm (108")
 3048mm (120")
 clear fir astragal

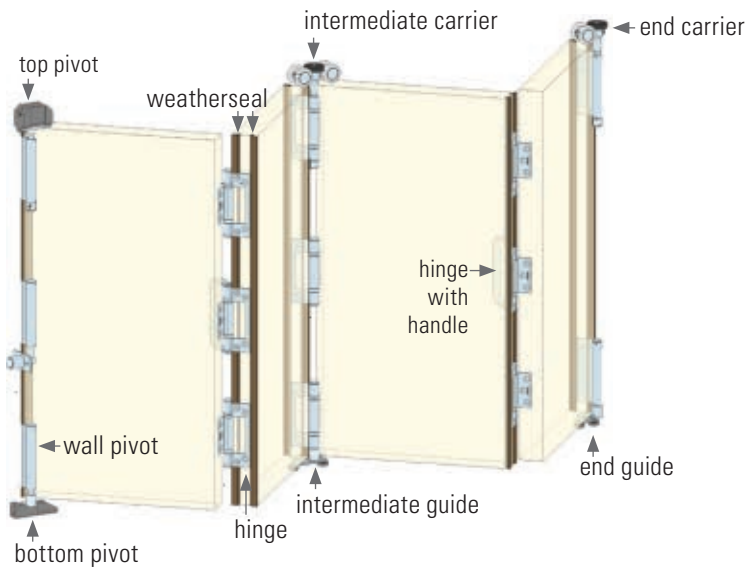


Latching Door Hold (DH)



KT740DHC Clear anodized **KT740DHD** Bronze anodized

E2™ Hardware Placement (4L) Configuration, Outswing Application



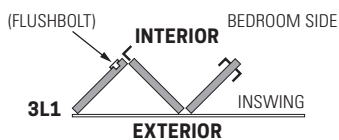
Interior Applications

How To Determine Swing of Systems:

The following is a guideline when determining outswing or inswing applications for the purpose of choosing correct hardware and flushbolts. **NOTE:** The interior/exterior designation (i.e. 3L) is still used for interior application because it just makes it easier to understand.

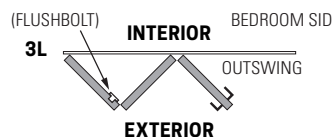
For example:

Hall or Living Room

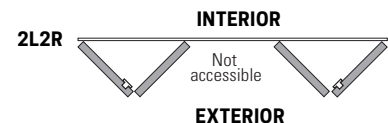


The above example (3L1) shows the system swinging into the bedroom and flushbolts on the same side. This would be an inswing system and the bedroom side is considered the interior side. Passage set only recommended for the swing door.

Another Room



The above example (3L) shows the system swinging into another room and flushbolts on the bedroom side. This would be an outswing system and the bedroom side is considered the interior side. Passage set only recommended for the swing door.



The above example (2L2R) is not recommended for interior applications because of the potential of getting locked in a room without any exit. Other configurations not recommended. **2L, 2R, 4L, 4R, 6L, 6R, 8L, 8R;** basically pairs or even number or door panels.

FLUSHBOLTS FOR E2 OUTSWING FOLDING DOORS: DBOT SERIES

SPECIFICATIONS

Max wind load: 450kg (990lb) force
Min door thickness: 1-3/4" (44.5mm)
Throw length: 1" (25mm)

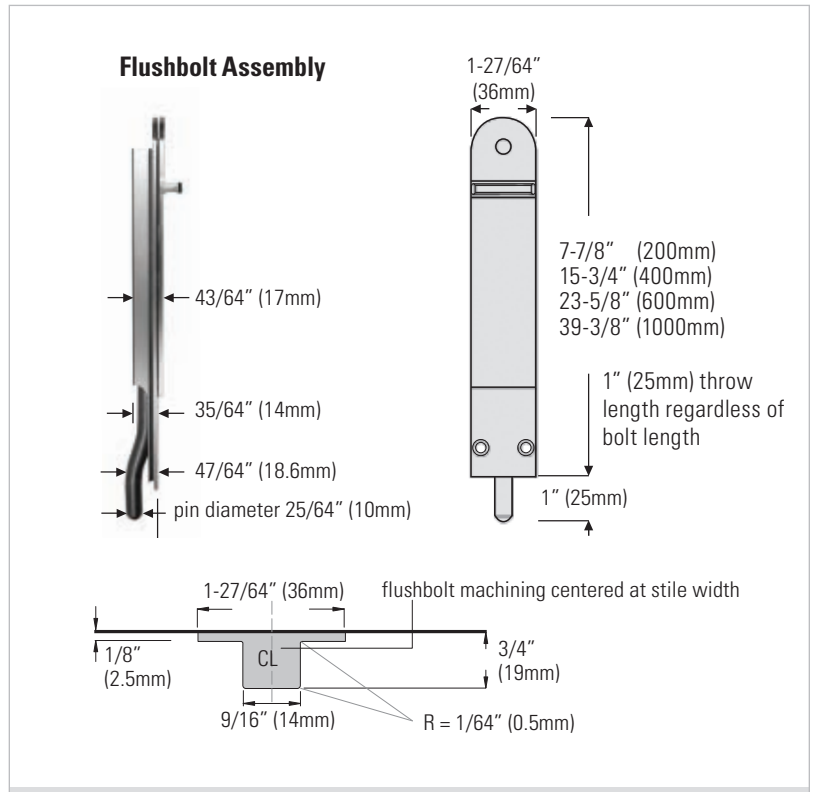
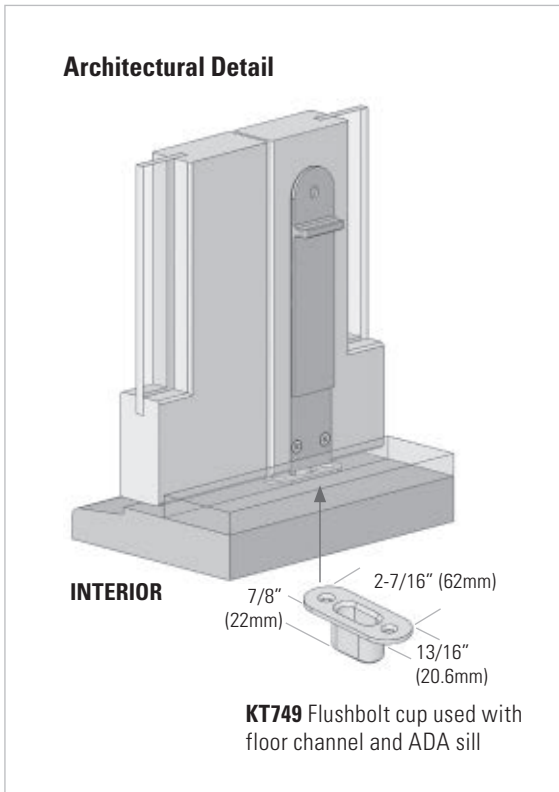
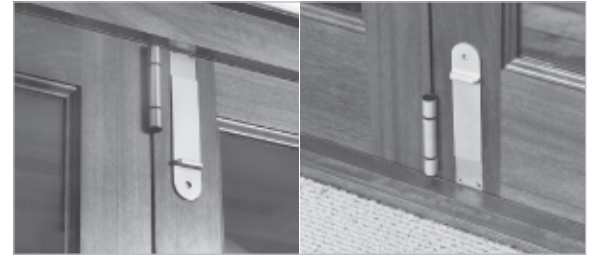
Finishes:

Bronze powder coat on aluminum to match pvd bronze finish on E3 hinges.
 Brushed metallic on aluminum to match stainless steel finish on E3 hinges.

*Bright gold (G) finish on aluminum to match pvd brass finish on E3 hinges.

*Bright gold (G) finish is custom order, call for manufacturing time.

The flush-mounted flushbolts, rounded style and 1" (25mm) throw are designed for use with sliding and folding doors. This flushbolt will resist high winds and is rated to resist a 250kg load in Western Red Cedar and 450kg in Amoora. The bolts are easily installed with a dedicated router bit and are available in three finishes.



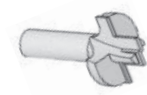
Actual machining for flushbolts (face plate)

1-27/64" x 7-7/8" (36mm x 200mm)	1-27/64" x 23-5/8" (36mm x 600mm)
1-27/64" x 15-3/4" (36mm x 400mm)	1-27/64" x 39-3/8" (36mm x 1000mm)

SELECT FINISH	PRODUCT NUMBER DESCRIPTION
bronze powder coat finish on aluminum	KTDBOT200NRQ 8" (200mm), 1" throw, round end
	KTDBOT400NRQ 16" (400mm), 1" throw, round end
	KTDBOT600NRQ 24" (600mm), 1" throw, round end
	KTDBOT1000NRQ 39" (1000mm), 1" throw, round end
brushed metallic finish on aluminum to match stainless steel	KTDBOT200NRX 8" (200mm), 1" throw, round end
	KTDBOT400NRX 16" (400mm), 1" throw, round end
	KTDBOT600NRX 24" (600mm), 1" throw, round end
	KTDBOT1000NRX 39" (1000mm), 1" throw, round end
bright gold finish on aluminum	* KTDBOT200NRG 8" (200mm), 1" throw, round end
	* KTDBOT400NRG 16" (400mm), 1" throw, round end
	* KTDBOT600NRG 24" (600mm), 1" throw, round end



Flushbolt cup used with floor channel and ADA sill
KT749BRONZE bronze powder coat
KT749DCH Satin chrome



KTE2DBFORB Router bit for flushbolts (dedicated router bits are available)



Strike plate for header
KTDBSPQ bronze powder coat
KTDBSPS Satin chrome

PLEASE NOTE: Flushbolt housing & slide bar are manufactured from aluminum components

FLUSHBOLTS FOR E2 OUTSWING FOLDING DOORS: DBSY SERIES

Used with KT788 ADA Sill and KT23 Floor Channel

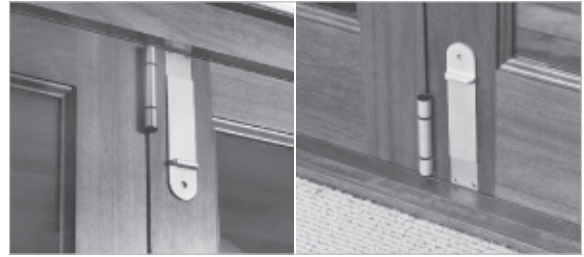
SPECIFICATIONS

Max wind load: 450kg (990lb) force

Min door thickness: 1-3/4" (44.5mm)

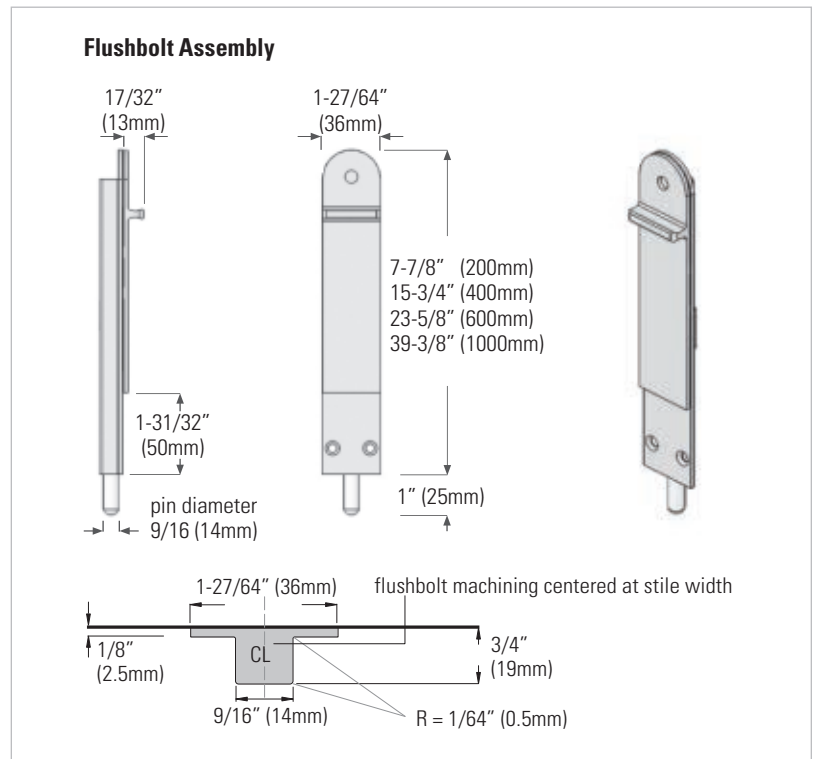
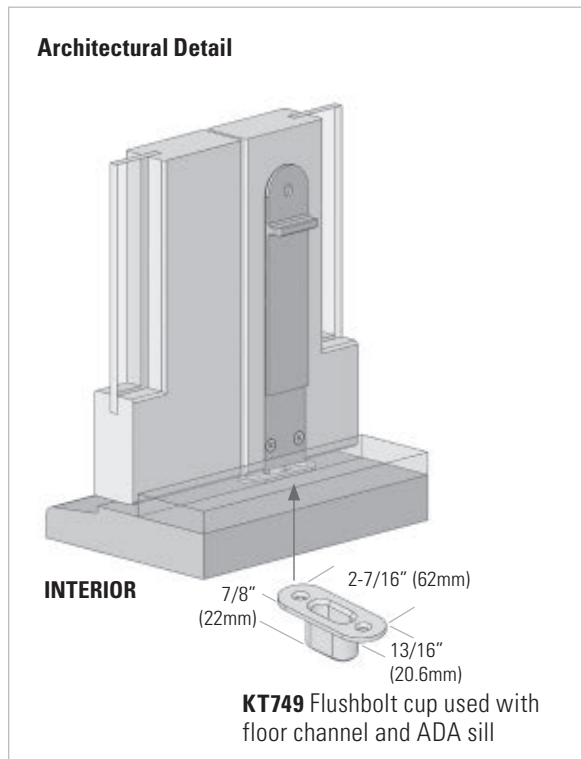
Bolt lengths: 7-7/8" (200mm), 15-3/4" (400mm), 23-5/8" (600mm), 39-3/8" (1000mm)

Finishes: Bright gold to match pvd brass hardware
bronze powder coat on aluminum to match the pvd bronze hardware &
brushed metallic to match stainless steel hardware




Symphony™

The flush-mounted flushbolts, rounded style and 1" (25mm) throw are designed for use with sliding and folding doors. Symphony™ will resist high winds and is rated to resist a 250kg load in Western Red Cedar and 450kg in Amoora. The bolts are easily installed with a dedicated router bit and are available in three finishes.



Actual machining for flushbolts (face plate)

1-27/64" x 7-7/8" (36mm x 200mm) 1-27/64" x 23-5/8" (36mm x 600mm)
1-27/64" x 15-3/4" (36mm x 400mm) 1-27/64" x 39-3/8" (36mm x 1000mm)

 Flushbolt cup used with floor channel and ADA sill
KT749BRONZE bronze powder coat
KT749DCH Satin chrome

 **KTE2DBFORB** Router bit for flushbolts (dedicated router bits are available)

 Strike plate for header
KTDBSPQ bronze powder coat
KTDBSPS Satin chrome

PLEASE NOTE: Flushbolt housing & slide bar are manufactured from aluminum components

SELECT FINISH

bright gold finish
over aluminum

powder coat finish
bronze over
aluminum

brushed metallic finish
over aluminum to
match stainless steel

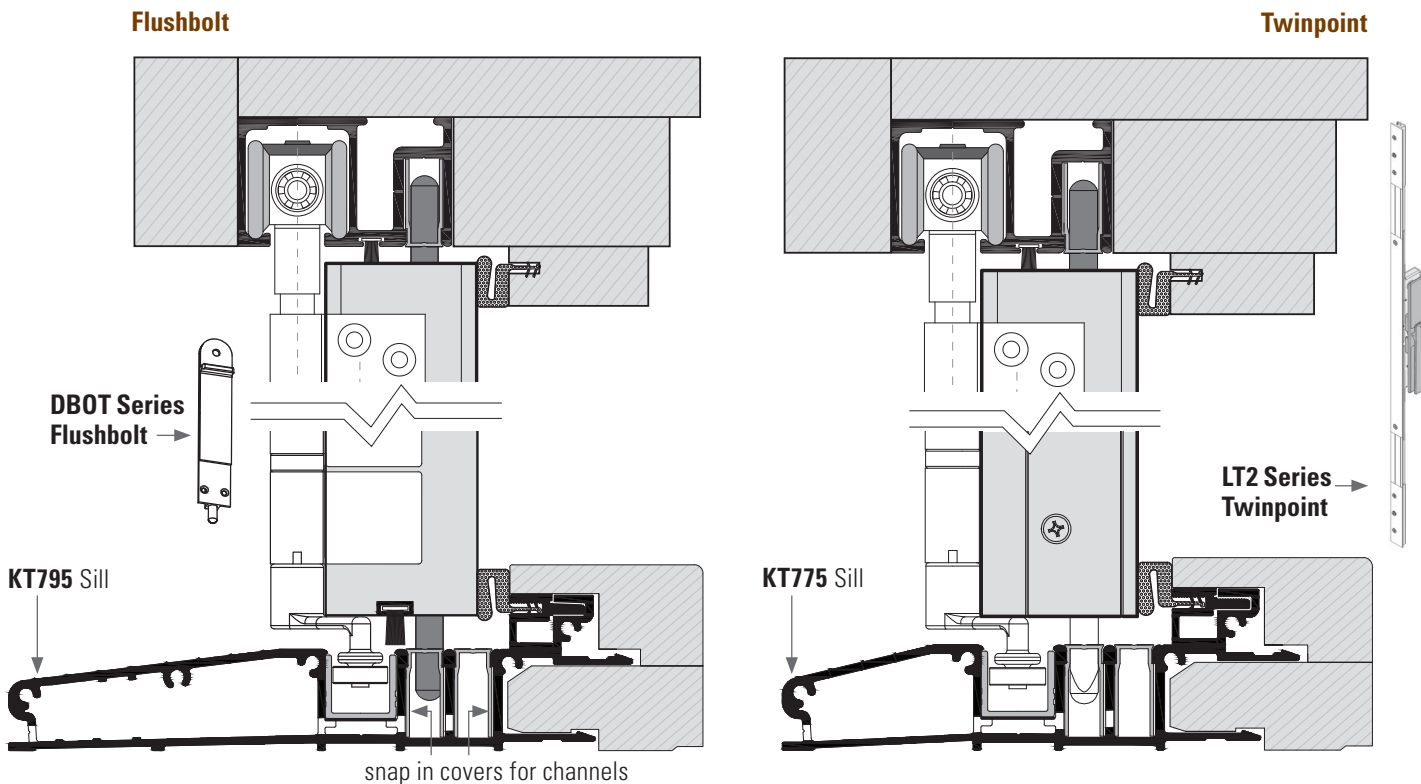
PRODUCT NUMBER DESCRIPTION

*	KTDBSY200NRG	8" (200mm), 1" throw, round end
*	KTDBSY400NRG	16" (400mm) 1" throw, round end
*	KTDBSY600NRG	24" (600mm) 1" throw, round end
	KTDBSY200NRQ	8" (200mm) 1" throw, round end
	KTDBSY400NRQ	16" (400mm) 1" throw, round end
	KTDBSY600NRQ	24" (600mm) 1" throw, round end
	KTDBSY1000NRQ	39" (1000mm) 1" throw, round end
	KTDBSY200NRX	8" (200mm) 1" throw, round end
	KTDBSY400NRX	16" (400mm) 1" throw, round end
	KTDBSY600NRX	24" (600mm) 1" throw, round end
	KTDBSY1000NRX	39" (1000mm) 1" throw, round end

*Bright gold (G) finish is custom order, call for manufacturing time.

NEW E2 SILLS WITH TWO LOCKING OPTIONS

For 1-3/4" (44.5mm) Door Thickness



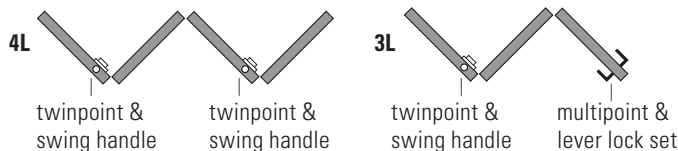
The New DBOT Series flushbolt & New LT2 Twinpoint lock were designed to utilize the same channel in both of the new E2 sills and the new E2 Top Track, thus giving you the option to now offer your customer the original flushbolt design or the simple hand rotation of the single handle, driving a 1" throw into the head and sill.

ECLIPSE TWINPOINT LOCK & SWING HANDLE

Specifications

Minimum door thickness: 1-3/8" (35 mm) / Minimum rod length: 15" (381 mm) / Throw length: 1" (25 mm) / Uses: folding, french & sliding

Twinpoint assembly is used in securing each pair of folding panels in the closed position. Not used on the swing (active) panel.



Function

The LT2 operates easily with a simple handle rotation, driving a 1" (25mm) throw into the head and sill. This makes it one of the most secure bolt locks on the market. An installed Twinpoint system is completely accessible and serviceable. For people with mobility impairments, the Twinpoint offers the security of two flushbolts, but without the access problems associated with flushbolts being too high or low to reach, and hard-to-grip door handles.

Style

LT2 has the sleek and clean styling synonymous with all Eclipse products. Their low profile allows any folding system, such as F3, E2, E3 or E4 to stack neatly, without intrusive door furniture getting in the way. Eclipse Twinpoint locks are fully concealed within the door stile, avoiding long or hard-to-reach dropbolts fixed to the door face, particularly on tall doors. The Eclipse Twinpoint is an unobtrusive, functional and sleek locking solution.

Testing

The Centor LT2 has been tested to 100,000 cycles at maximum configuration to ensure smooth working order beyond their 10 year warranty period. The LT2 Twinpoint locking system has also been exposed to dust, mud, sand and corrosive atmospheres to ensure they stand up to real life use. This includes exposure to salt spray for seaside installations.



LT2 TWINPOINT LOCK & DF3 (ALUMINUM) OR DF4 (STAINLESS STEEL) SWING HANDLES

Kit Components For Twinpoint Assembly



PLEASE NOTE:

When ordering complete TwinPoint Assembly, you are required to order: transmission rod & cover plate, lock/gear box, swing handle & cups.

Twinpoint Lock assembly not available in PVD Brass (TG)

PRODUCT #	DESCRIPTION
-----------	-------------

EC TWINPOINT LOCK (LT2 MODEL) FOR USE WITH DF3 (ALUMINUM) & DF4 (STAINLESS STEEL) MODELS

ECLT2TRSN0924X TwinPoint transmission rod, cover plate and strike plate for 96" (2438mm) door height / brushed metallic aluminum finish

ECLT2TRSN0924Y TwinPoint transmission rod, cover plate and strike plate for 96" (2438mm) door height / black anodized finish

ECLT2TRSN0930X TwinPoint transmission rod, cover plate and strike plate for 120" (3048mm) door height / brushed metallic aluminum finish

ECLT2TRSN0930Y TwinPoint transmission rod, cover plate and strike plate for 120" (3048mm) door height / black anodized finish

EC LOCK GEAR BOX FOR EC TWINPOINT (LT2 MODEL)

ECLT2NS Lock/gear box for EC TwinPoint transmission rod, cover plate & handle

EC SWING HANDLE DF3 (ALUMINUM) MODEL FOR EC TWINPOINT (LT2 MODEL)

ECDF3SHNAL DF3 swing handle aluminum, black powder coat

ECDF3SHNAPCN DF3 swing handle aluminum, satin aluminum powder coat

ECDF3SHNAQ DF3 swing handle aluminum, bronze powder coat

EC SWING HANDLE DF4 (STAINLESS STEEL) MODEL FOR EC TWINPOINT (LT2 MODEL)

ECDF4SHNSOL DF4 swing handle stainless steel, PVD bronze finish

ECDF4SHNSS DF4 swing handle stainless steel, brushed finish

CUP FOR SILL OR HEAD (MANDATORY FOR SILL, OPTIONAL FOR HEAD)

ECLTBC8SS Brushed S.S. Finish

ECLTBC8SOL PVD Bronze Finish

TL2 ROUTER BIT

ECLT2RB Router bit for LT2 TwinPoint Lock Assembly

ECLIPSE E3 DRILLING JIG FOR E3 HINGE PLACEMENT ON DOOR

KTE3DJ Eclipse E3 drilling jig for wood doors

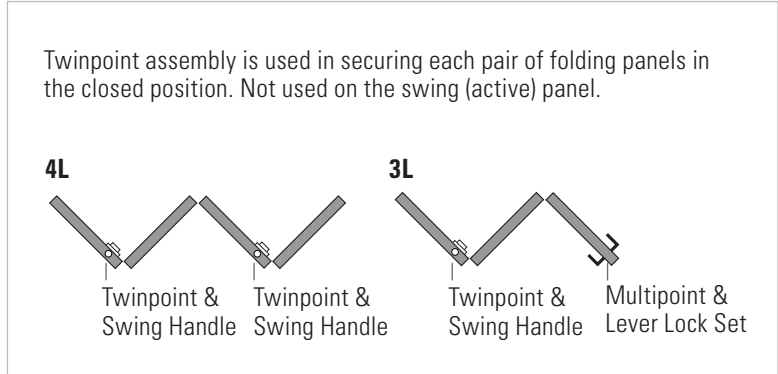
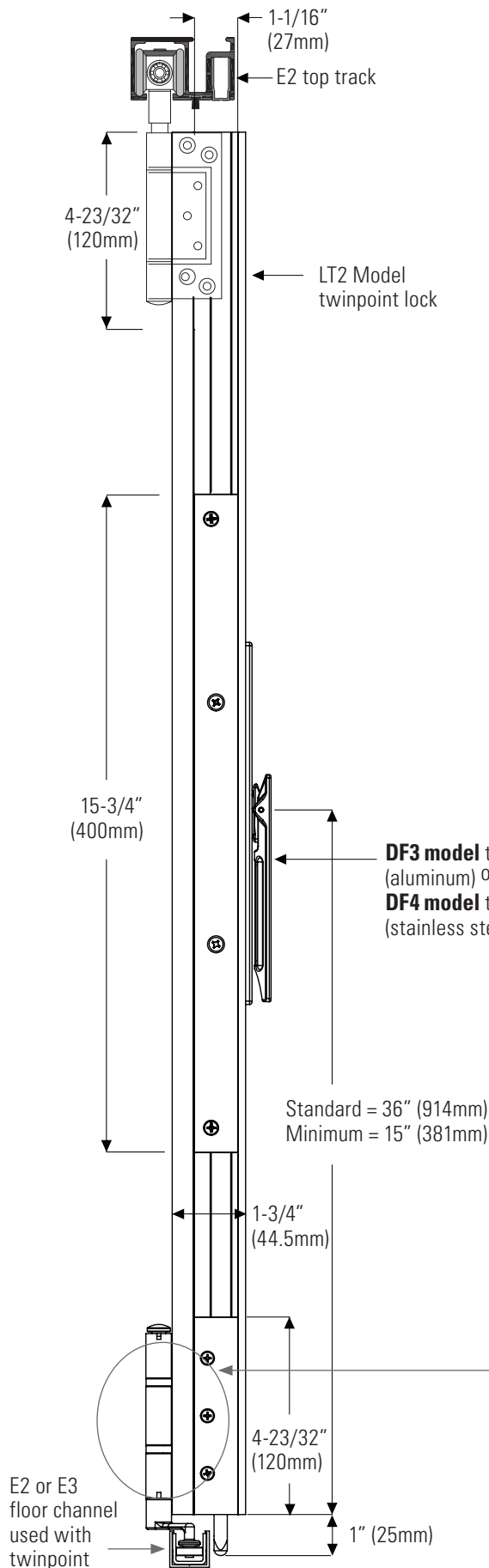
STRIKE PLATE FOR HEAD (for replacement purposes only) ONE STRIKE SUPPLIED WITH TWINPOINT (STANDARD)

ECLTSP8SS Brushed S.S. Finish

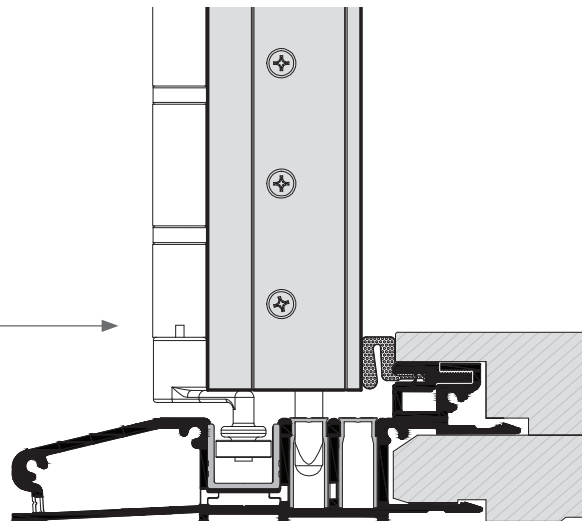
ECLTSP8OL PVD Bronze Finish



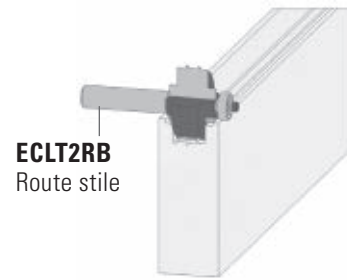
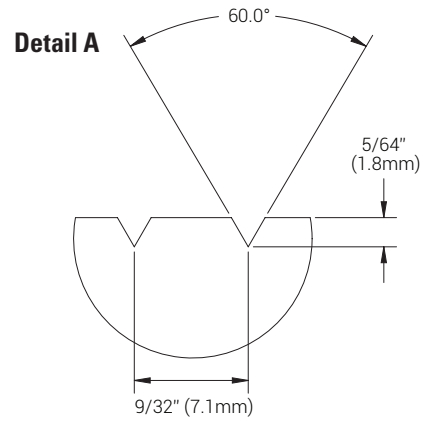
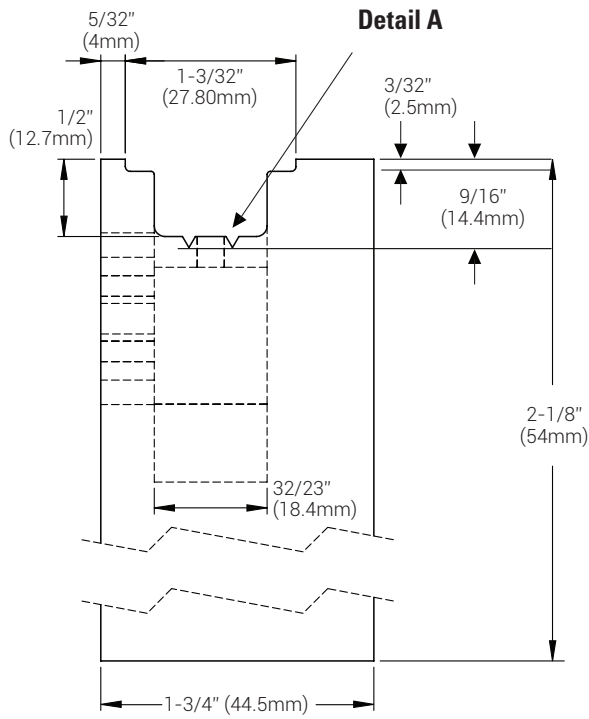
LT2 TWINPOINT



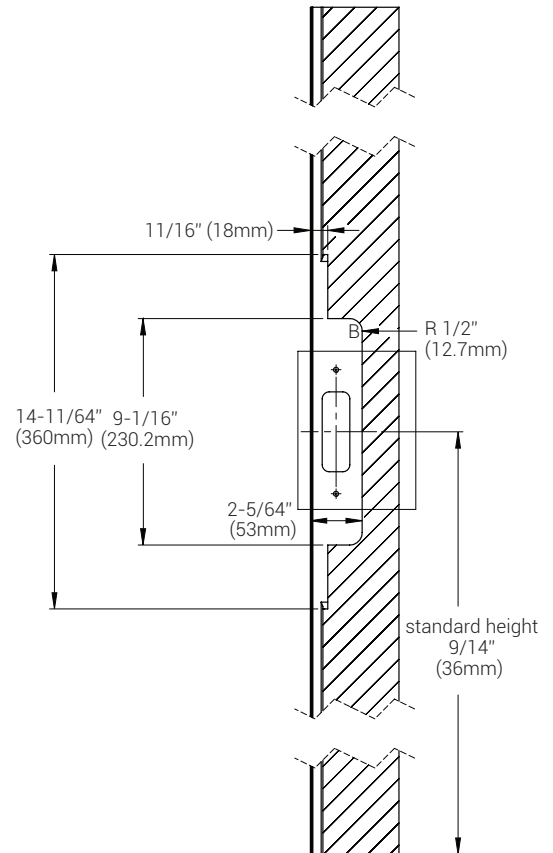
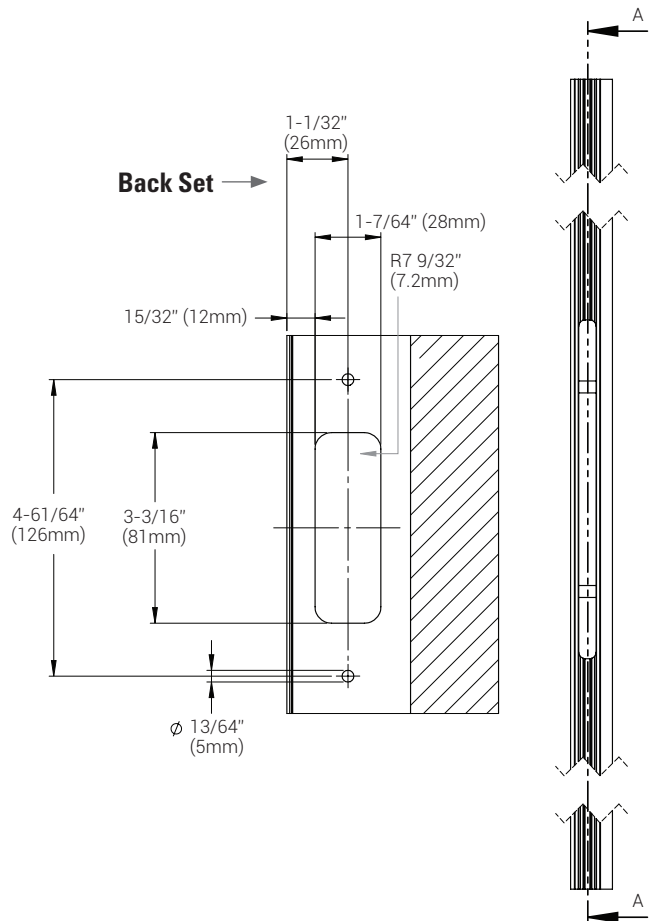
New E2 or E3 Sill used in conjunction with Twinpoint



WOOD STILE ROUTE PROFILE (OUTSWING APPLICATION) FOR LT2 MODEL

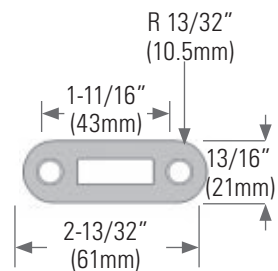
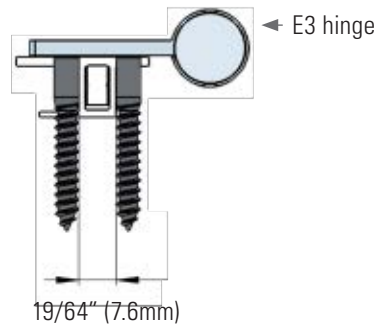
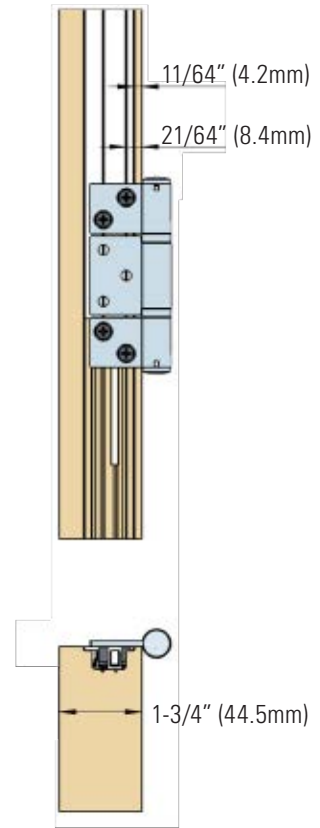
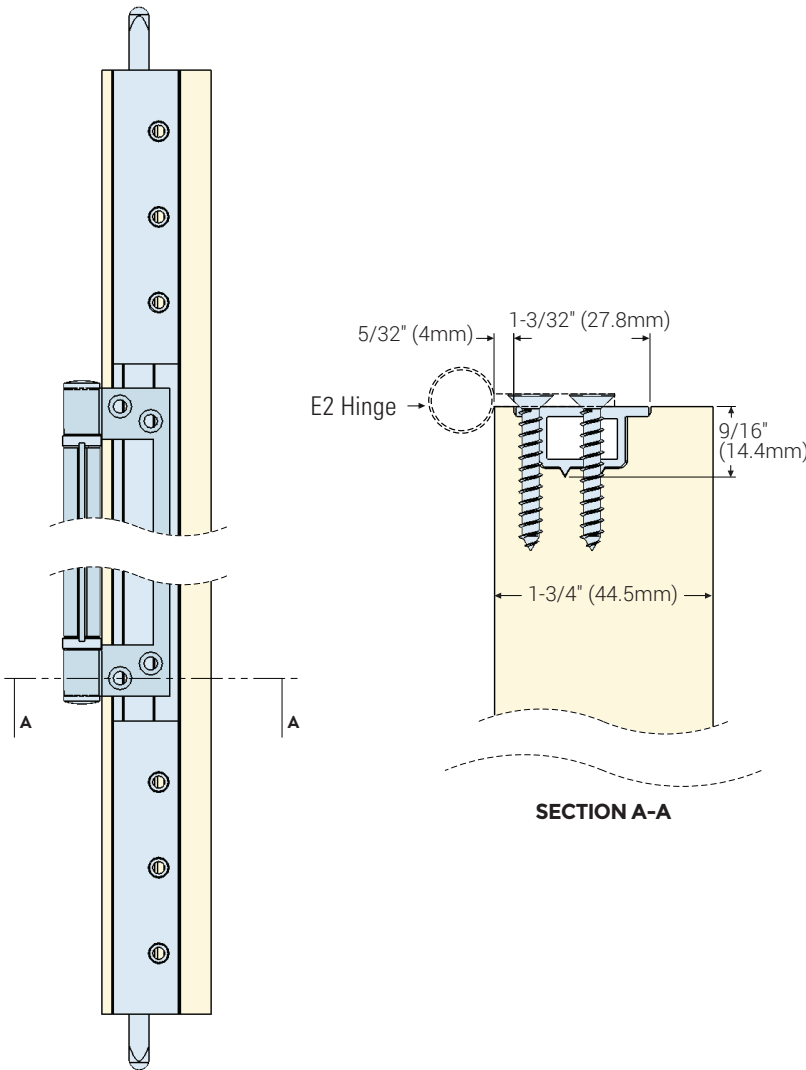


min 1-3/8" (35mm)



E2 / E3 HINGE PLACEMENT OVER TWINPOINT

TWINPOINT HINGE OFFSET	THICKNESS OF DOOR PANEL	PROGRAM
5/32" (4mm)	1-3/4" (44.45mm)	E2, E3, F2, F3
7/16" (11mm)	2-1/4" (57.15mm)	E4



Strike plate for head
ECLTSP8SS Brushed s.s. finish
ECLTSP80L PVD bronze finish

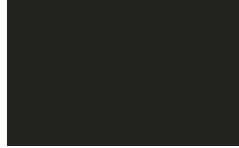


Flushbolt cup used with floor channel
ECLTBC8SS Brushed s.s. finish
ECLTBC8SOL PVD bronze finish

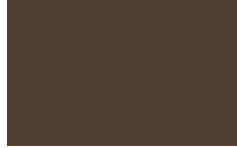
DF3 TwinPoint Swing Handle, Choice of 4 Finishes Over Cast Aluminum



Satin Aluminum Powder Coat

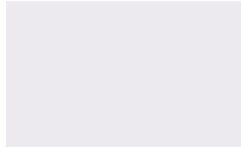


Black Powder Coat



Bronze Powder Coat

LT2 TwinPoint Housing Cover Plate Finishes



Brushed Metallic Aluminum



Black Anodized Aluminum

PLEASE NOTE: For technical reasons associated with color reproduction, the colors shown on this brochure give only an indication of color & finish. No warranty or guarantee can be given that they will exactly match the product as supplied.

DF4 Twinpoint Swing Handle (SS) Choice of 2 Finishes



Brushed stainless steel

PVD bronze over stainless steel

Finishes & Materials

The Twinpoint door furniture is available in a range of finishes to suit any door or décor.

Twinpoint Lock assembly not available in PVD Brass (TG)



LT2 Model Twinpoint

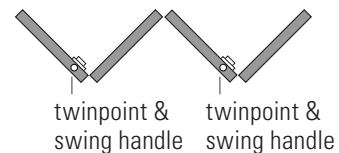
LT2 Transmission Housing
Brushed Metallic Aluminum or
Black Anodized finish

Swing Handle

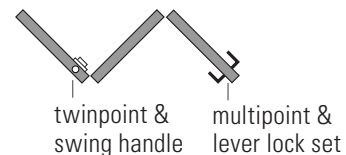
DF3: Aluminum handle (4 finishes)
DF4: Stainless Steel Handle (2 finishes)

Twinpoint assembly is used in securing each pair of folding panels in the closed position. Not used on the swing (active) panel.

4L



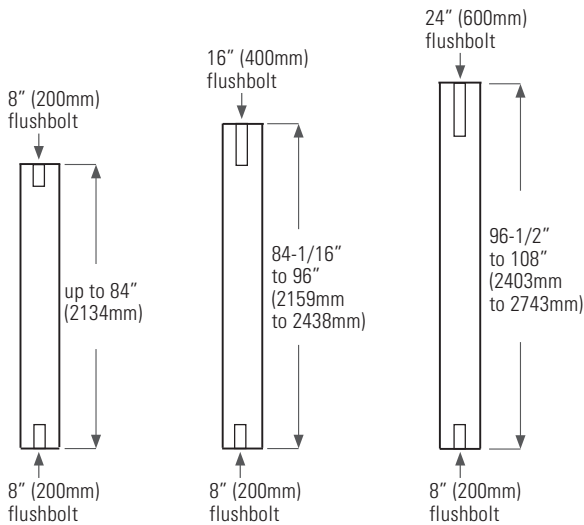
3L



FLUSHBOLT PLACEMENT

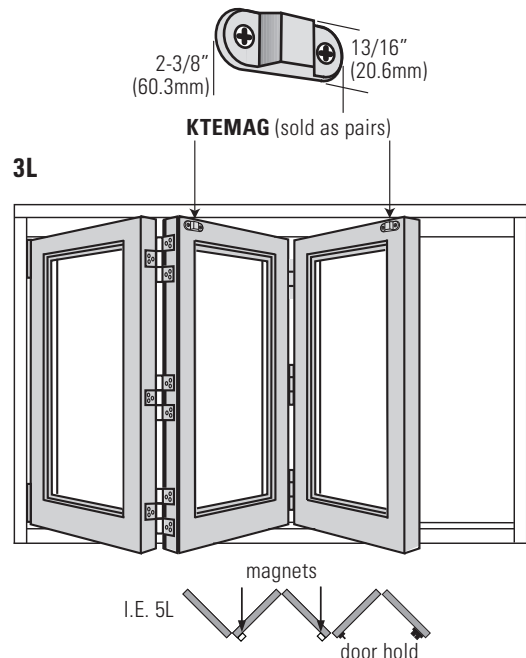
Suggested flushbolt lengths for door heights 80" to 108" (2.032m to 2.74m)

NOTE: End user may require longer flushbolts for top of doors for easier reach. When using E2 hardware for folding windows, top flushbolt length must be specified.



MAGNETS

KTEMAG "Magnets" for holding the door panels in the open position



Clearances

Pivot door to jamb 9/32" (7mm)
 Swing door to jamb 9/32" (7mm)
 Panel to panel gap 5/32" (4mm)
 Bottom of door panel to sill 3/8" (9.5mm)
 Top of door panel to header 3/16" (5mm)
 Inside face of door panel to stop 3/8" (9.5mm)

Rough Opening Specs For E2

1. Door Height plus 4-3/8" (111mm) = R.O. when using outswing E2 Sills and Frame specs.
2. Door Height plus 3-13/16" (97mm) = R.O. from finished floor line when using KT788E2 ADA Sill
3. Door Height plus 3-1/4" (83mm) = R.O. from finished floor line when using E2 floor channel.

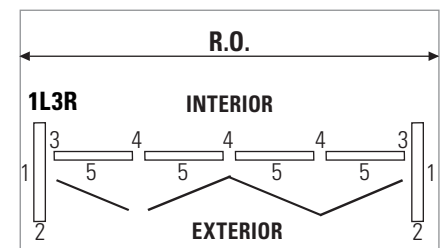
MANUAL DOOR CALC

Manual calculation for determining R.O. (i.e. Configuration 1L3 R, i.e. Door panel size 36" x 84" [914mm x 2134mm])

Width

- 1) Jamb to Stud - typical 1/4" (6mm) shimming x 2 = .5" (12mm)
- 2) Jamb thickness 11/16" (17.5mm) x 2 = 1.375" (34.9mm)
- 3) Panel to Jamb - Clearance 9/32" (7mm) x 2 = .5624" (14mm)
- 4) Panel to Panel - Gap 5/32" (4mm) x 3 = .4686" (12mm)
- 5) Panel width 36" (914") x 4 = 144" (3656mm)

R.O. (width) 146-29/32" or 146.906" or (3731mm) or (3.73m)

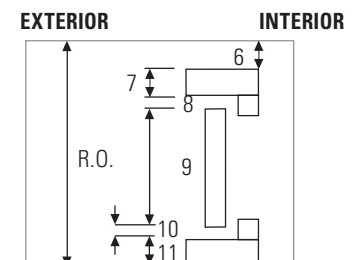


For O.S.M. width of unit take R.O. minus 1/2"(12mm) i.e. 146 29/32"(3731mm) -1/2"(12mm) = 146 13/32" (3718mm).

Height









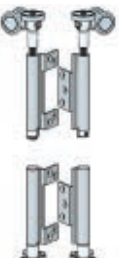

- 6) Frame header to R.O. header. Typical 1/2" (12mm) shimming x 1 = .5" (12mm)
- 7) Frame header 2-3/16" (56mm) x 1 = 2.1875" (56mm)
- 8) Top of door panel to frame header 3/16" (5mm) x 1 = .1875" (5mm)
- 9) Door panel height 84" (2134mm) x 1 = 84" (2134mm)
- 10) Bottom of door panel to top of sill 3/8" (10mm) x 1 = .375" (10mm)
- 11) Sill height 1-3/16" (30.16mm) x 1 = 1.1875 (30.16mm)

R.O. Height 88-7/16" or 88.4375" or (2246mm) or (2.24m)



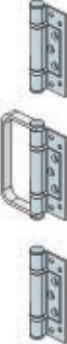

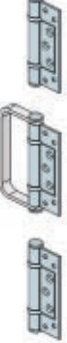



For O.S.M. height of unit take R.O. minus 1/2"(12mm) i.e. 88-7/16" (2246mm) minus 1/2" (12mm) = 87-15/16" (2234mm).

E2 HARDWARE SELECTION

PIVOT SET	PARTS ON PANELS	PRODUCT #	DESCRIPTION
		KTE2CPSS KTE2CPSOL KTE2CPSTG	pivot set, stainless steel pivot set, bronze powder coat pivot set, PVD brass (TG) ↑ (PVD Brass is custom order, 9-12 week delivery time)
WALL PIVOT SETS	PARTS ON PANELS	PRODUCT #	DESCRIPTION
		KTE3WPSS KTE3WPSOL KTE3WPSTG	wall pivot set, stainless steel wall pivot set, bronze powder coat wall pivot set, PVD brass ↑ (PVD Brass is custom order, 9-12 week delivery time)
RIGHT CARRIER SET	PARTS ON PANELS	PRODUCT #	DESCRIPTION
		KTE2CRCSS KTE2CRCSOL KTE2CRCSTG	right hand carrier set, stainless steel right hand carrier set, bronze powder coat right hand carrier set, PVD brass ↑ (PVD Brass is custom order, 9-12 week delivery time)
LEFT CARRIER SET	PARTS ON PANELS	PRODUCT #	DESCRIPTION
		KTE2CLCSS KTE2CLCSOL KTE2CLCSTG	left hand carrier set, stainless steel left hand carrier set, bronze powder coat left hand carrier set, PVD brass ↑ (PVD Brass is custom order, 9-12 week delivery time)
MEETING CARRIER SET 2L2R & 4L4R Application	PARTS ON PANELS	PRODUCT #	DESCRIPTION
		KTE2CMCSS KTE2CMCSOL KTE2CMCTG	meeting carrier set, stainless steel meeting carrier set, bronze powder coat meeting carrier set, PVD brass ↑ (PVD Brass is custom order, 9-12 week delivery time)

E2 HARDWARE SELECTION

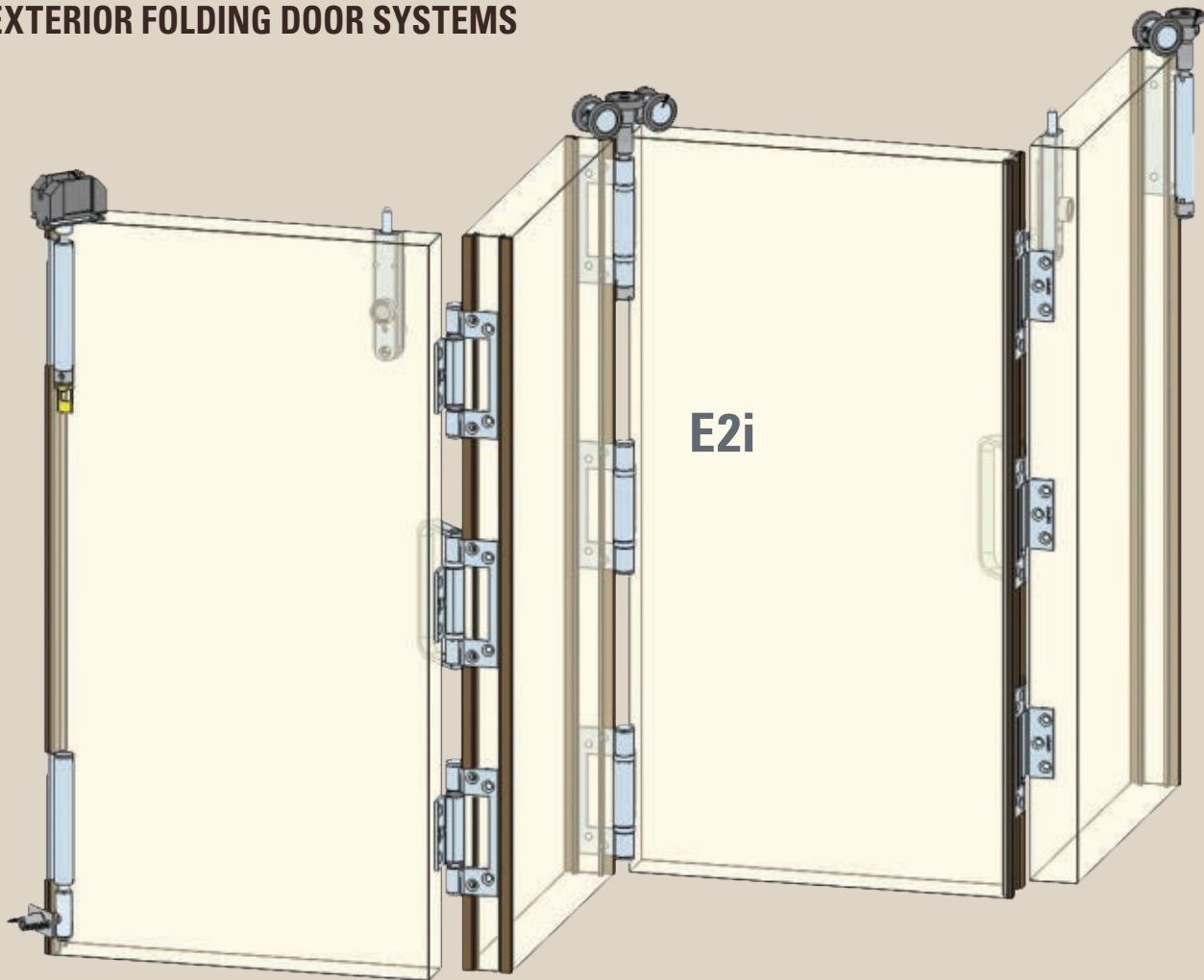
INTERMEDIATE CARRIER & GUIDE SETS	PARTS ON PANELS	PRODUCT #	DESCRIPTION
		KTE2CICSS KTE2CICSOL KTE2CICSTG	intermediate carrier set, stainless steel intermediate carrier set, bronze powder coat intermediate carrier set, PVD brass ↑ (PVD Brass is custom order, 9-12 week delivery time)
HALF OFFSET HINGE SETS (WITH HANDLE)	PARTS ON PANELS	PRODUCT #	DESCRIPTION
		KTE22HHSS KTE22HHSOL KTE22HHSTG	half offset hinge set, stainless steel half offset hinge set, bronze p.c. half offset hinge set, PVD brass ↑ (PVD Brass is custom order, 9-12 week delivery time)
SINGLE SETS (WITH HANDLE)	PARTS ON PANELS	PRODUCT #	DESCRIPTION
		KTE22HSS KTE22HSOL KTE22HSTG	hinge set, stainless steel hinge set, bronze p.c. hinge set, PVD brass ↑ (PVD Brass is custom order, 9-12 week delivery time)

Door Hold Magnets (optional)



KTDCAS Satin Aluminum Finish **KTDCAOL** Black Finish **KTDCATG** Brass Finish

EXTERIOR FOLDING DOOR SYSTEMS



E2i INTERIOR FOLDING DOOR HARDWARE SYSTEM

(No Sill Or Floor Channel Required)

E2i internal bifold system without a bottom sill or floor channel is based on Eclipse's standard E2 hardware system and uses Centor's proven bifold window technology. For interior applications only, it is designed for seamless transitions between rooms and interior spaces. All the benefits of the versatile E2 system are preserved.

E2i features include:

- Laterally adjustable bottom pivot
- All stainless steel construction
- No need for costly tile and concrete cutting
- Complete horizontal and vertical adjustment

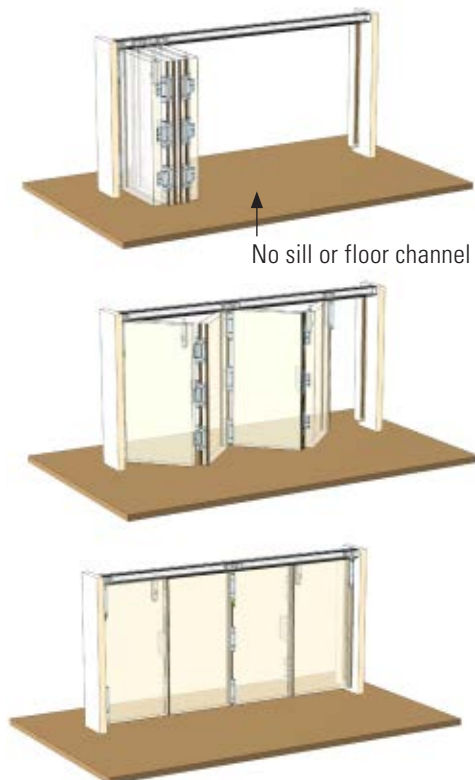
E2i SPECIFICATIONS

Max opening	24' (7.3m)
Max panel weight	90lb (40kg) per panel
Max panel height	96" (2438mm)
Max panel width	36" (914mm)
Min panel thickness	1-3/8" (35mm)
Max number of panels	8 (4 each direction)

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- Laterally adjustable bottom pivot
- All stainless steel construction
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Weathersealing (optional)



DS434 Weatherseal for sill, jamb and header.
Black, brown or white



DS416 Weatherseal for between doors.
Black, brown or white

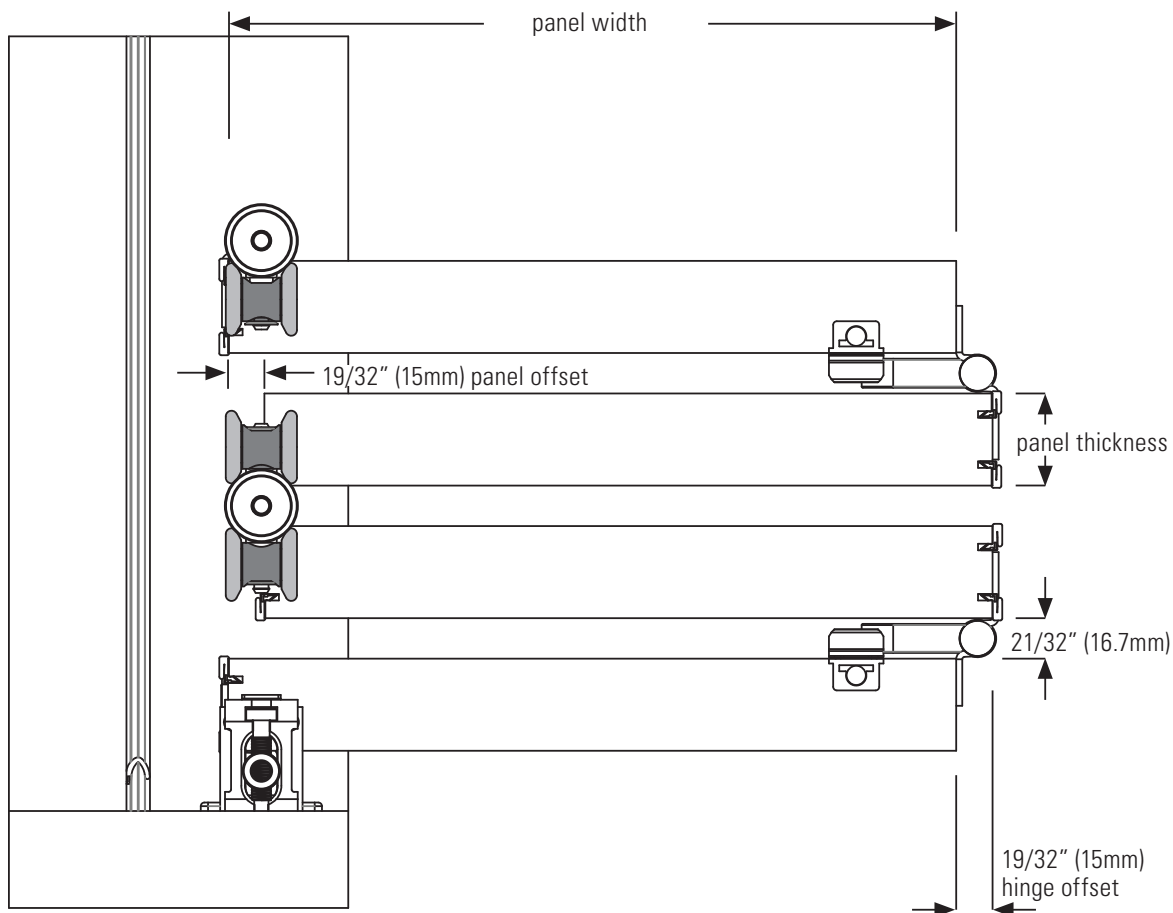
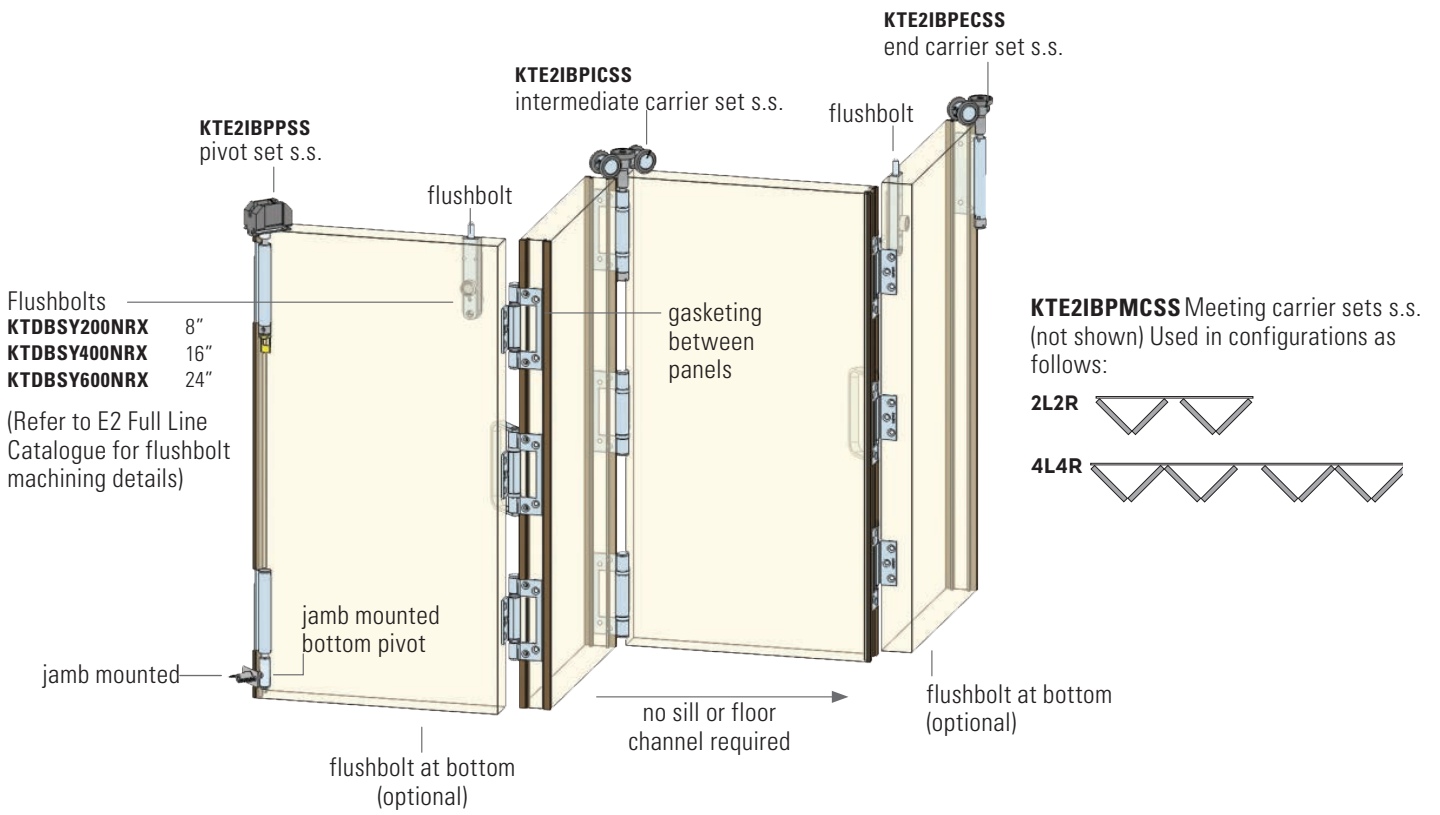


DS369A7145BL Aluminum T-slot extrusion with black pile insert, for bottom of doors

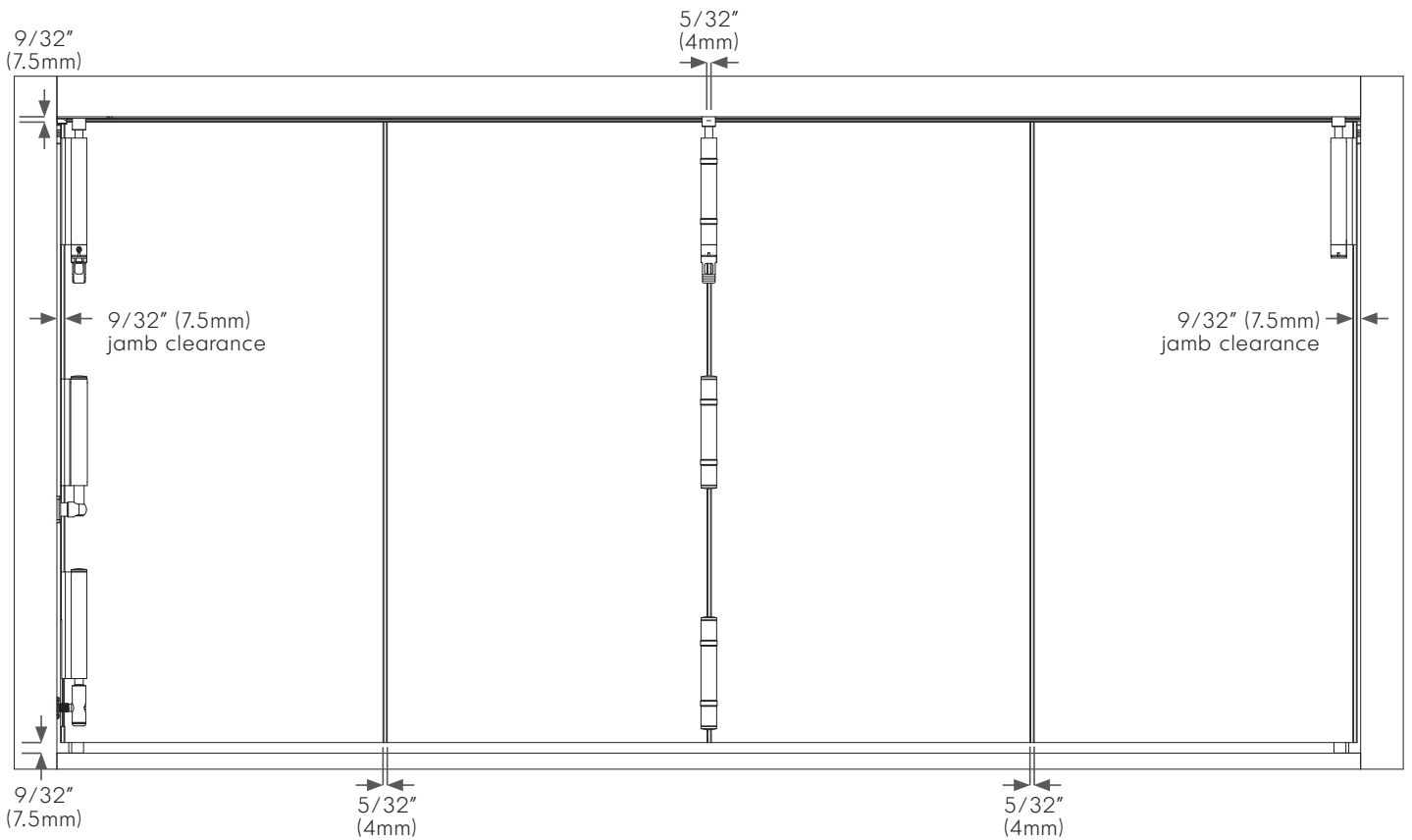
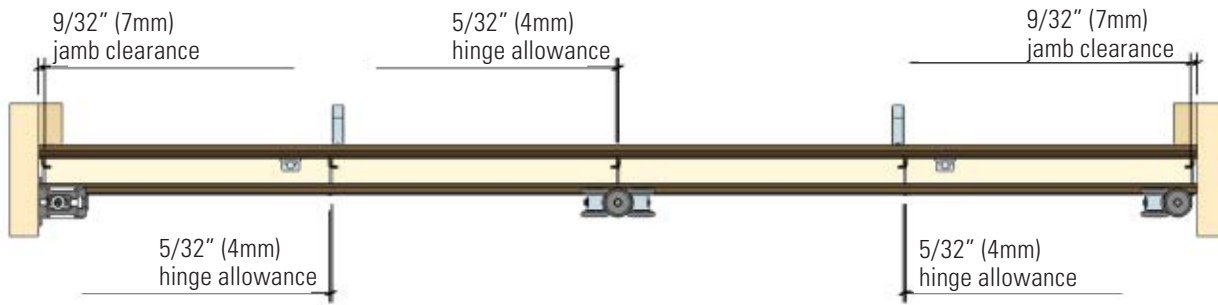


DS415BL Black
DS415W White weatherseal for between doors, use on clad doors where kerf slot is not possible

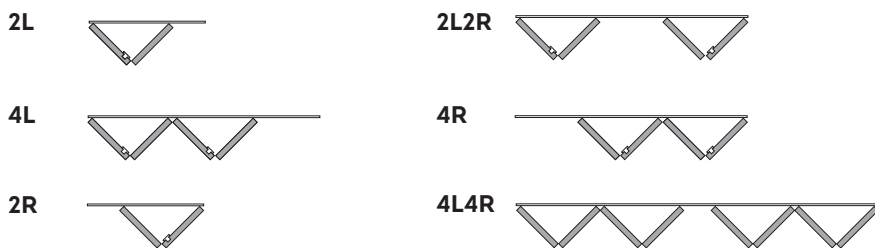
KTE2I TOP VIEW



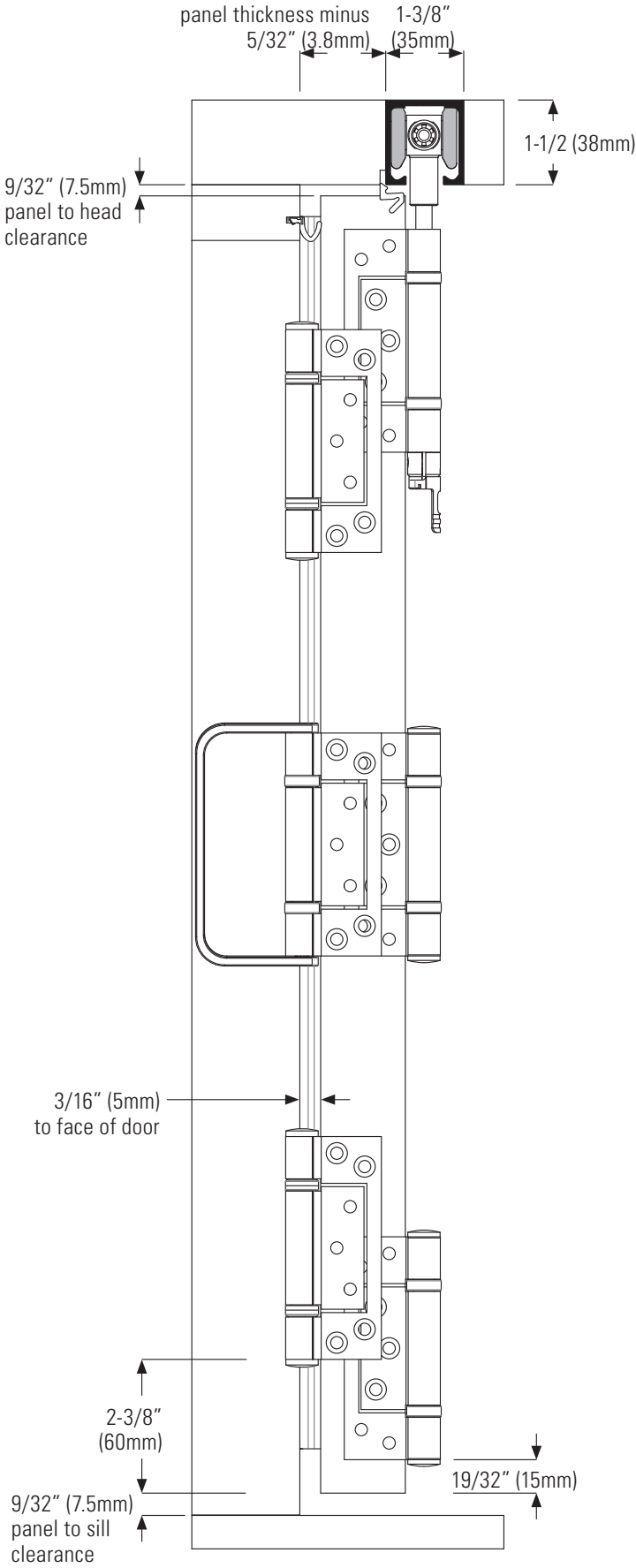
E2i ARCHITECTURAL DETAIL



E2i only available for the following configurations



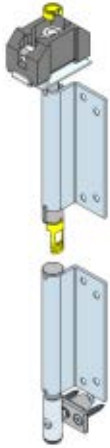
KTE2I CROSS SECTION



E2I COMPONENTS • Only one finish available for the KTE2i Hinges: Brushed Stainless Steel

KTE2IBPPSS

Pivot set, brushed stainless steel



KTE2IBPICSS

Intermediate carrier set, brushed stainless steel



KTE2HSS

Hinge set (flat), brushed stainless steel



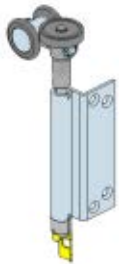
KTE22HSS

Hinge set (offset), brushed stainless steel



KTE2IBPECSS

End carrier set, brushed stainless steel



KTE2IBPMCSS

Meeting carrier set, brushed stainless steel

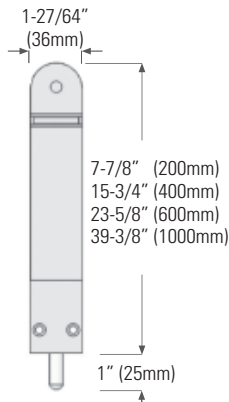


TOP TRACK



KT41C clear anodized
KT41D bronze anodized

FLUSHBOLTS



Round end, Symphony style 1" (25.4mm) throw length.

Finishes:

Bright gold to match pvd brass hardware
bronze powder coat on aluminum to match the pvd bronze hardware &
brushed metallic to match stainless steel hardware



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