

# Eclipse

## Folding Door Systems

Hardware / Integrated Folding Doors / Screens / Shades



Track, sill, weathersealing, flushbolts, hardware, screens and shades

E3™ System for exterior folding doors

E2™ System for exterior folding doors & windows

E2I System for interior folding doors

E4™ System for exterior folding doors

This Catalogue for Eclipse Fabricators

E2, E2I, E3, E4, S2 and S4 Hardware Systems for Folding Doors + Screens / Shades | Revision (2) March 2024







## Increased Ratings For E2, E3, E4 Hardware

Thanks to ongoing testing and years of in-field experience Centor's E2, E3 and E4 hardware load-ratings and maximum panel sizes have been increased so you can supply larger folding doors to your customers.

	<b>E2</b>	<b>E3</b>	<b>E4</b>
Max. panel weight	130lbs (60kg)	250lbs (115kg)	350lb (160kg)
Max. panel width	43" (1100mm)	48" (1200mm)	51" (1300mm)
Max. panel height	118" (3000mm)	144" (3600mm)	156" (3962mm)

\* Specifications are intended as a guide only. Calculated weight checks should be performed to ensure doors built to maximum height and widths do not exceed maximum weight.

Hardware has been cycle tested to the equivalent of opening and closing the door every day for 40 years!

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## E3™ System For Exterior Folding Doors

The Eclipse E3™ is a premier folding door system for larger folding doors. It has been designed for strength and is generously proportioned to meet the requirements of specifiers looking for folding solutions in medium to large residential and commercial applications. Stainless steel bearings in the pivots and carriers allow even the largest doors to be moved quietly and with fingertip ease between the open and closed positions.

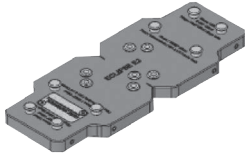
### In A Single Direction

max panel weight:	250lbs (115kg)
max panel width:	48" (1200mm)
max panel height:	144" (3600mm)
max number of panels:	8 each way
panel thickness when using E3 sill system:	1-3/4" (44.5mm) or 2-1/4" (57mm)
panel thickness when using floor channel:	1-3/8" (34.9mm) to 3" (76.2mm)

### NOTE:

When using maximum panel width & height 48" (1200mm) x 144" (3600mm) panel may exceed maximum panel weight of 250 lbs (115 kg). Calculated weight check should be done.





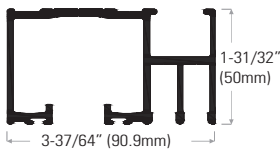
**ECE3DJ**  
Eclipse E3 Drilling Jig

See E3 Drilling Jig instruction sheet on [www.eclipsefoldingdoorsystems.com](http://www.eclipsefoldingdoorsystems.com) and click 'Fabricators'

**Parts Selection**

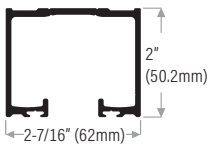
Eclipse E3 is specified with 5 separate groups: track, sill, weathersealing, flushbolts and hardware. Components are required from all 5 groups to build an Eclipse folding door system.

**Top track with flushbolt pin channel**



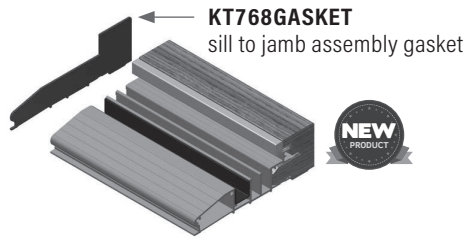
**KT75C** clear anodized  
**KT75D** bronze anodized  
Lengths available: 111", 147", 183", 222", 294"  
(2819mm, 3734mm, 4648mm, 5639mm, 7467mm)

**Top Track, extruded aluminum (optional)**



**KT70D** bronze anodized. Length available: 111" (2819mm), 147" (3734mm), 183" (4648mm), 222" (5639mm), 294" (7467mm)

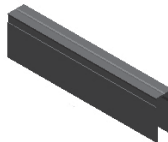
**Sill System**



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

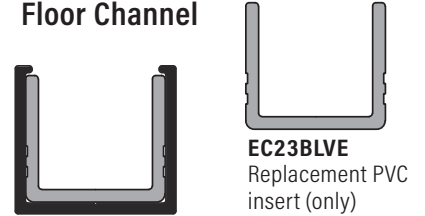
KT795 8" wide (203mm) for 1-3/4" (44.5mm) door.  
KT797 8" wide (203mm) for 2-1/4" (57mm) door.  
KT775 6-9/16" wide (167mm) for 1-3/4" (44.5mm) door.  
KT777 6-9/16" wide (167mm) for 2-1/4" (57mm) door.

Lengths available: 111", 147", 183", 222", 294" (2819mm, 3754mm, 4648mm, 5639mm, 7468mm). Order flushbolt cups and sill assembly end gaskets separately.



**KT795COVERBLVE**  
PVC insert, black. Snap in cover for flushbolt channels for the new Eclipse sill & top track. Fits into sills above.

**Floor Channel**



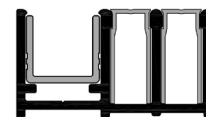
**EC23DV** floor channel, bronze anodized with PVC insert, black. Lengths available: 111", 147", 183", 222", 294" (2819mm, 3734mm, 4648mm, 5639mm, 7467mm)



**KT750GASKET**  
included with EC749, fits under rim of cup

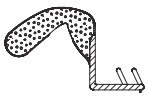
**KT749** Flushbolt cup, satin or bronze

Flushbolt cup used with floor channel and ADA sill



**KT218** Floor Channel

**Weatherseals & Astragal**



**EC421** Weatherseal for sill, jamb and header. Black, brown or white



**EC417** Weatherseal for between doors. Black or brown

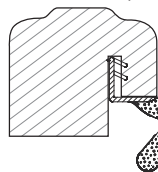


**EC369A7145BL**  
Aluminum T-slot extrusion with black pile insert, for bottom of doors



**EC415BL** black weatherseal for between doors, use on clad doors where kerf slot is not possible

**EC190** Fir astragal, may be stained or painted



**EC421**  
Kerf seal



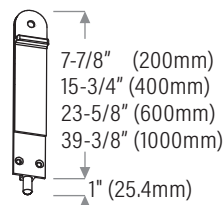
**ECP108-35BL**  
Pile weatherseal for door with astragal, 5/16" (8mm) pile height, black



**EC7145-270BL**  
Pile weatherseal for EC70 & EC75 top track, black

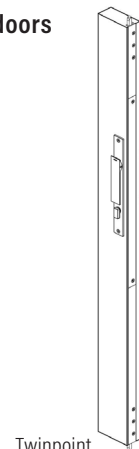
**Flushbolts or Twinpoint for outswing & inswing doors**

4 flushbolt lengths available:



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

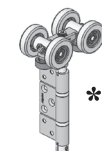
Finishes available: brushed aluminum or bronze powder coat.



Twinpoint GEN 2  
\*available keyed & not keyed

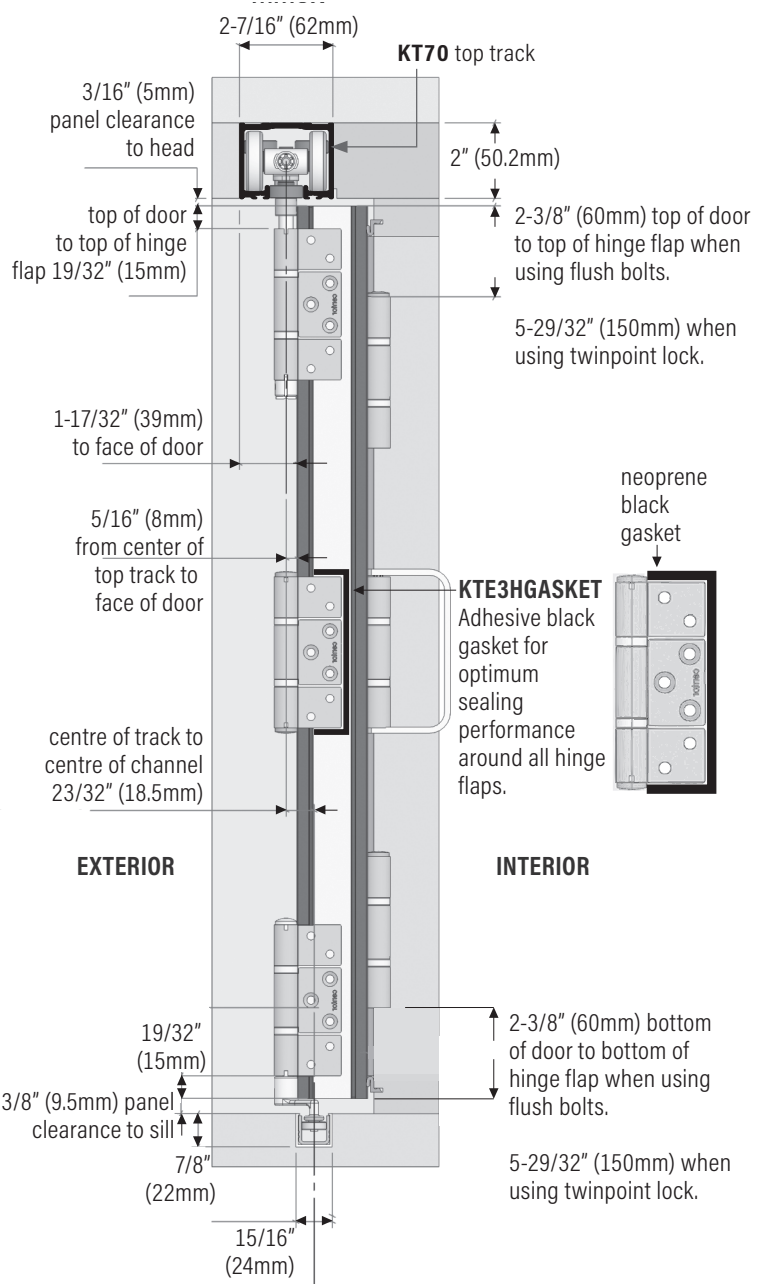
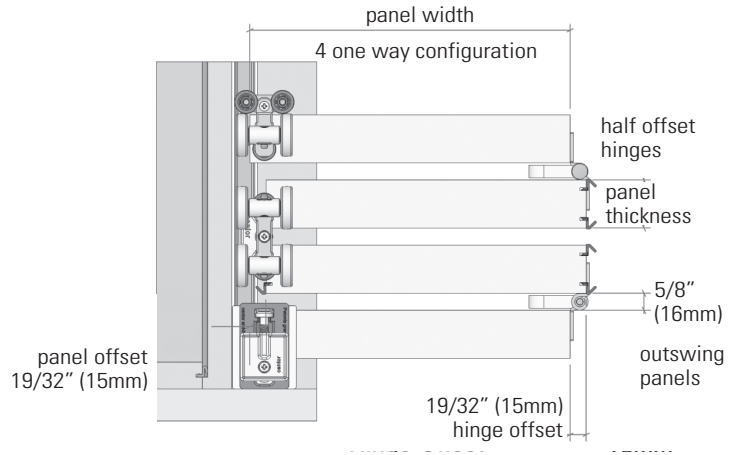
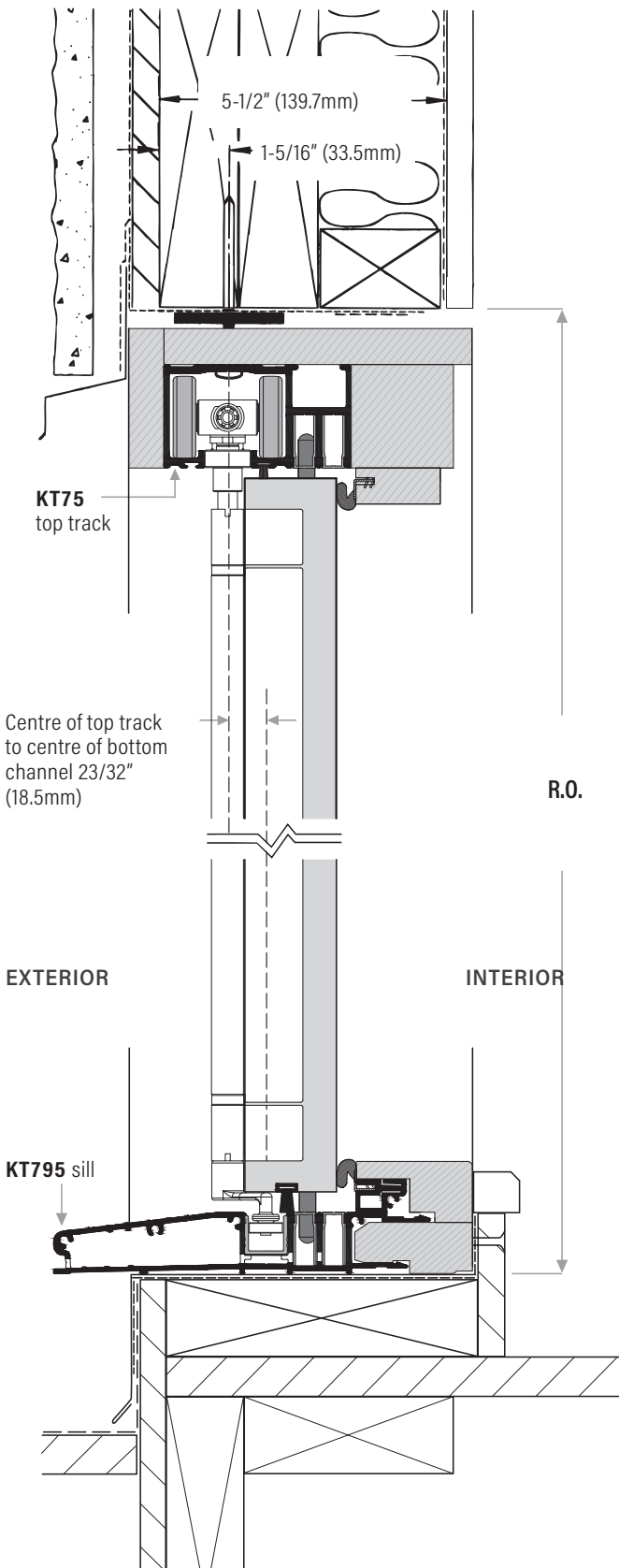
**Hardware**

2 stock finishes available: Stainless steel & pvd bronze



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

Architectural Detail







# Hardware List For Door Configurations

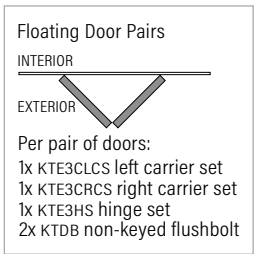
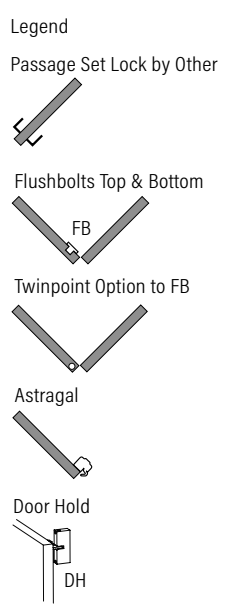
## Passage set/lock, flushbolt, astragal & hardware placement for outswing applications

From Left To Right

2L		<p>This configuration accessible from exterior when using new Gen 2 Twinpoint keyed lock.</p>	<p>1x KTE3WPS middle wall pivot 1x KTE3CPS pivot set 1x KTE3HHS hinge set 2x KTDB non-keyed flushbolt</p>
2L1R			<p>2x KTE3WPS middle wall pivot 2x KTE3CPS pivot set 1x KTE3CRCS right carrier set 1x KTE3HS hinge set 2x KTDB non-keyed flushbolt</p>
3L			<p>1x KTE3WPS middle wall pivot 1x KTE3CPS pivot set 1x KTE3CICS intermediate carrier set 1x KTE3HHS half offset hinge set 2x KTDB non-keyed flushbolt</p>
3L1R			<p>2x KTE3WPS middle wall pivot 2x KTE3CPS pivot set 1x KTE3CICS intermediate carrier set 1x KTE3HHS half offset hinge set 4x KTDB non-keyed flushbolt</p>
4L		<p>This configuration accessible from exterior when using new Gen 2 Twinpoint keyed lock.</p>	<p>1x KTE3WPS middle wall pivot 1x KTE3CPS pivot set 1x KTE3CICS intermediate carrier set 1x KTE3CRCS right carrier set 2x KTE3HHS half offset hinge set 4x KTDB non-keyed flushbolt</p>
4L1R			<p>2x KTE3WPS middle wall pivot 2x KTE3CPS pivot set 1x KTE3CICS intermediate carrier set 1x KTE3CRCS right carrier set 2x KTE3HHS half offset hinge set 4x KTDB non-keyed flushbolt</p>
3L2R			<p>2x KTE3WPS middle wall pivot 2x KTE3CPS pivot set 1x KTE3CICS intermediate carrier set 1x KTE3CLCS left carrier set 1x KTE3HS hinge set 1x KTE3HHS half offset hinge set 4x KTDB non-keyed flushbolt</p>
5L			<p>1x KTE3WPS middle wall pivot 1x KTE3CPS pivot set 2x KTE3CICS intermediate carrier set 1x KTE3HS hinge set 1x KTE3HHS half offset hinge set 4x KTDB non-keyed flushbolt</p>
3L3R			<p>2x KTE3WPS middle wall pivot 2x KTE3CPS pivot set 2x KTE3CICS intermediate carrier set 2x KTE3HHS half offset hinge set 6x KTDB non-keyed flushbolt</p>
7L			<p>1x KTE3WPS middle wall pivot 1x KTE3CPS pivot set 3x KTE3CICS intermediate carrier set 2x KTE3HS hinge set 1x KTE3HHS half offset hinge set 6x KTDB non-keyed flushbolt</p>
4L3R			<p>2x KTE3WPS middle wall pivot 2x KTE3CPS pivot set 2x KTE3CICS intermediate carrier set 1x KTE3CRCS right carrier set 3x KTE3HHS half offset hinge set 6x KTDB non-keyed flushbolt</p>
5L2R			<p>2x KTE3WPS middle wall pivot 2x KTE3CPS pivot set 2x KTE3CICS intermediate carrier set 1x KTE3CLCS left carrier set 2x KTE3HS hinge set 1x KTE3HHS half offset hinge set 6x KTDB non-keyed flushbolt</p>
5L3R		<p>may be reversed</p>	<p>2x KTE3WPS middle wall pivot 2x KTE3CPS pivot set 3x KTE3CICS intermediate carrier set 1x KTE3HS hinge set 2x KTE3HHS half offset hinge set 8x KTDB non-keyed flushbolt</p>
6L		<p>This configuration accessible from exterior when using new Gen 2 Twinpoint keyed lock.</p>	<p>1x KTE3WPS middle wall pivot 1x KTE3CPS pivot set 2x KTE3CICS intermediate carrier set 1x KTE3CRCS right carrier set 1x KTE3HS hinge set 2x KTE3HHS half offset hinge set 6x KTDB non-keyed flushbolt</p>

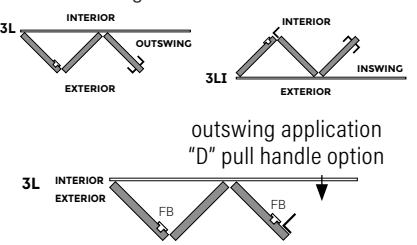
Hardware Legend

PS	Pivot set
WPS	Wall pivot 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

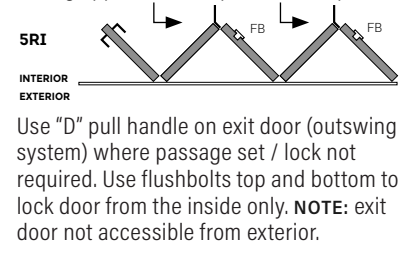


### How To Determine Swing Of Systems

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



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





# Hardware List For Door Configurations

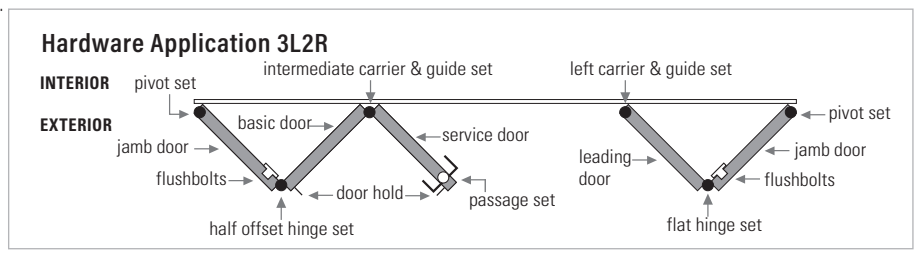
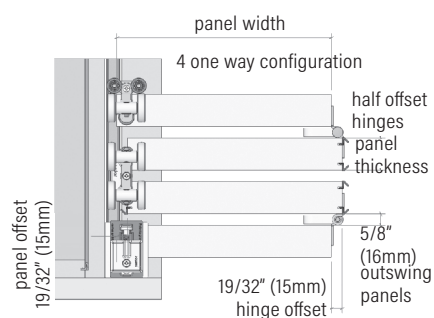
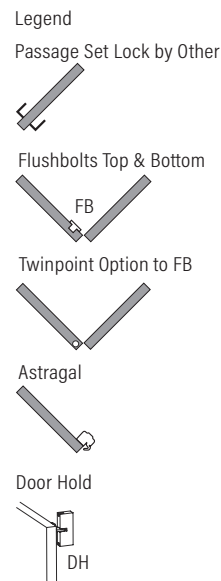
Passage set/lock, flushbolt, astragal & hardware placement for outswing applications

## From Left To Right

<b>2R</b>	INTERIOR EXTERIOR		This configuration accessible from exterior when using new Gen 2 Twinpoint keyed lock.	1x KTE3WPS middle wall pivot 1x KTE3CPS pivot set 1x KTE3CLCS left carrier set 1x KTE3HS hinge set 2x KTDB non-keyed flushbolt
<b>1L2R</b>	INTERIOR EXTERIOR			2x KTE3WPS middle wall pivot 2x KTE3CPS pivot set 1x KTE3CLCS left carrier set 1x KTE3HS hinge set 2x KTDB non-keyed flushbolt
<b>3R</b>	INTERIOR EXTERIOR			1x KTE3WPS middle wall pivot 1x KTE3CPS pivot set 1x KTE3CICS intermediate carrier set 1x KTE3HHS half offset hinge set 2x KTDB non-keyed flushbolt
<b>1L3R</b>	INTERIOR EXTERIOR			2x KTE3WPS middle wall pivot 2x KTE3CPS pivot set 1x KTE3CICS intermediate carrier set 1x KTE3HHS half offset hinge set 4x KTDB non-keyed flushbolt
<b>2L2R</b>	INTERIOR EXTERIOR			2x KTE3WPS middle wall pivot 2x KTE3CPS pivot set 1x KTE3CLCS left carrier set 1x KTE3CRCS right carrier set 2x KTE3HS hinge set 4x KTDB non-keyed flushbolt
<b>1L4R</b>	INTERIOR EXTERIOR			2x KTE3WPS middle wall pivot 2x KTE3CPS pivot set 1x KTE3CICS intermediate carrier set 1x KTE3CLCS left carrier set 2x KTE3HHS half offset hinge set 4x KTDB non-keyed flushbolt
<b>4R</b>	INTERIOR EXTERIOR		This configuration accessible from exterior when using new Gen 2 Twinpoint keyed lock.	1x KTE3WPS middle wall pivot 1x KTE3CPS pivot set 1x KTE3CICS intermediate carrier set 1x KTE3CLCS left carrier set 2x KTE3HHS half offset hinge set 4x KTDB non-keyed flushbolt
<b>2L3R</b>	INTERIOR EXTERIOR			2x KTE3WPS middle wall pivot 2x KTE3CPS pivot set 1x KTE3CICS intermediate carrier set 1x KTE3CRCS right carrier set 1x KTE3HS hinge set 1x KTE3HHS half offset hinge set 4x KTDB non-keyed flushbolt
<b>5R</b>	INTERIOR EXTERIOR			1x KTE3WPS middle wall pivot 1x KTE3CPS pivot set 2x KTE3CICS intermediate carrier set 1x KTE3HS hinge set 1x KTE3HHS half offset hinge set 4x KTDB non-keyed flushbolt
<b>3L4R</b>	INTERIOR EXTERIOR			2x KTE3WPS middle wall pivot 2x KTE3CPS pivot set 2x KTE3CICS intermediate carrier set 1x KTE3CLCS left carrier set 3x KTE3HHS half offset hinge set 6x KTDB non-keyed flushbolt
<b>7R</b>	INTERIOR EXTERIOR			1x KTE3WPS middle wall pivot 1x KTE3CPS pivot set 3x KTE3CICS intermediate carrier set 2x KTE3HS hinge set 1x KTE3HHS half offset hinge set 6x KTDB non-keyed flushbolt
<b>2L5R</b>	INTERIOR EXTERIOR			2x KTE3WPS middle wall pivot 2x KTE3CPS pivot set 2x KTE3CICS intermediate carrier set 1x KTE3CRCS right carrier set 2x KTE3HS hinge set 1x KTE3HHS half offset hinge set 6x KTDB non-keyed flushbolt
<b>8R</b>	INTERIOR EXTERIOR		This configuration accessible from exterior when using new Gen 2 Twinpoint keyed lock.	1x KTE3WPS middle wall pivot 1x KTE3CPS pivot set 3x KTE3CICS intermediate carrier set 1x KTE3CLCS left carrier set 2x KTE3HS hinge set 2x KTE3HHS half offset hinge set 8x KTDB non-keyed flushbolt

Hardware Legend

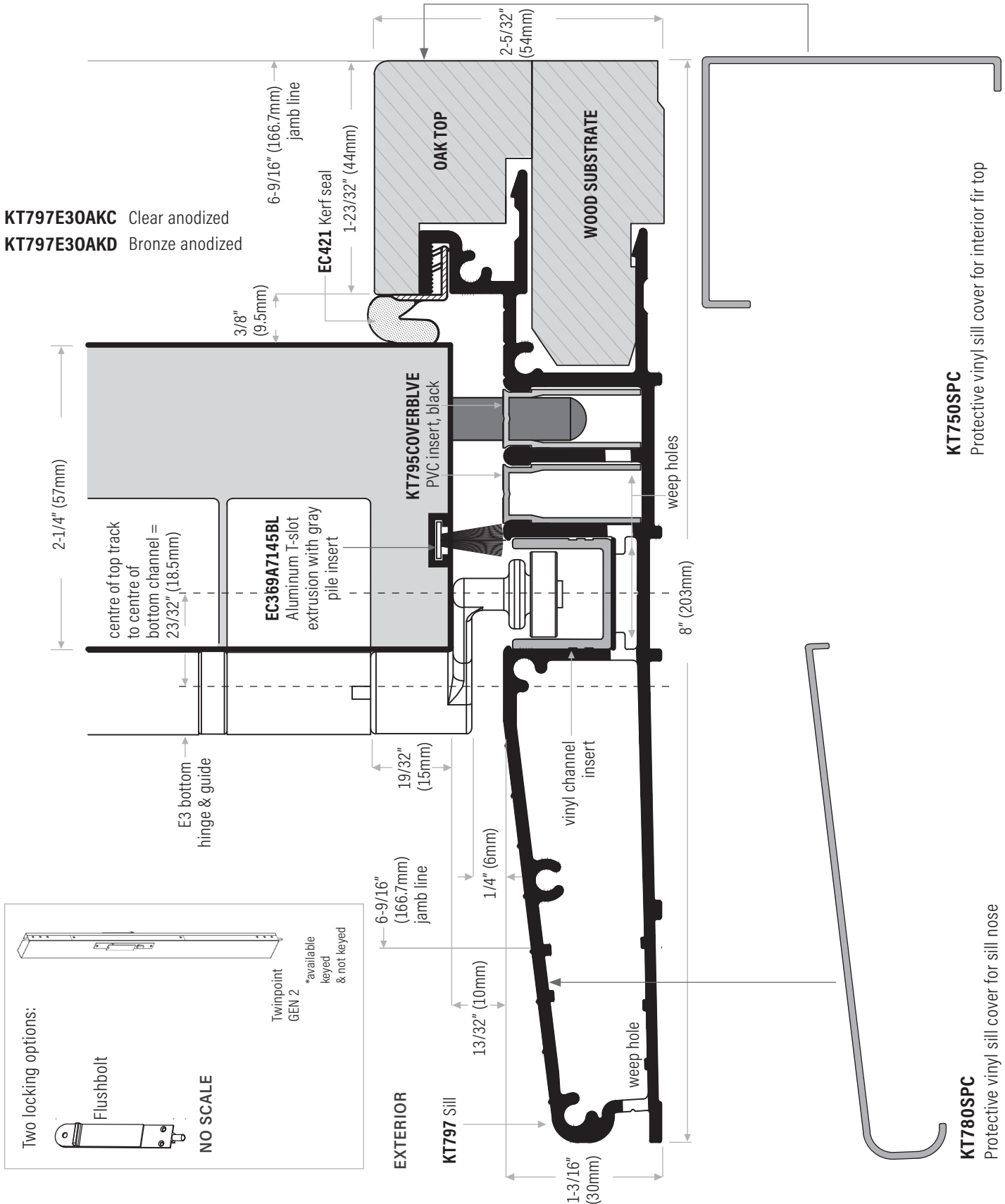
PS	Pivot set
WPS	Wall pivot set
ICS	Intermediate carrier set
LCS	Left carrier set
RCS	Right carrier set
HHS	Half offset hinge set
HS	Hinge set (flat)
FB	Flushbolt
ESP	Extended strike plate
DH	Door hold
MAG	Magnet
TP	Twinpoint



# KT797 (8") Outswing Sill System For 2-1/4" (57mm) 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. Sill is fabricated as shown by Eclipse Architectural.



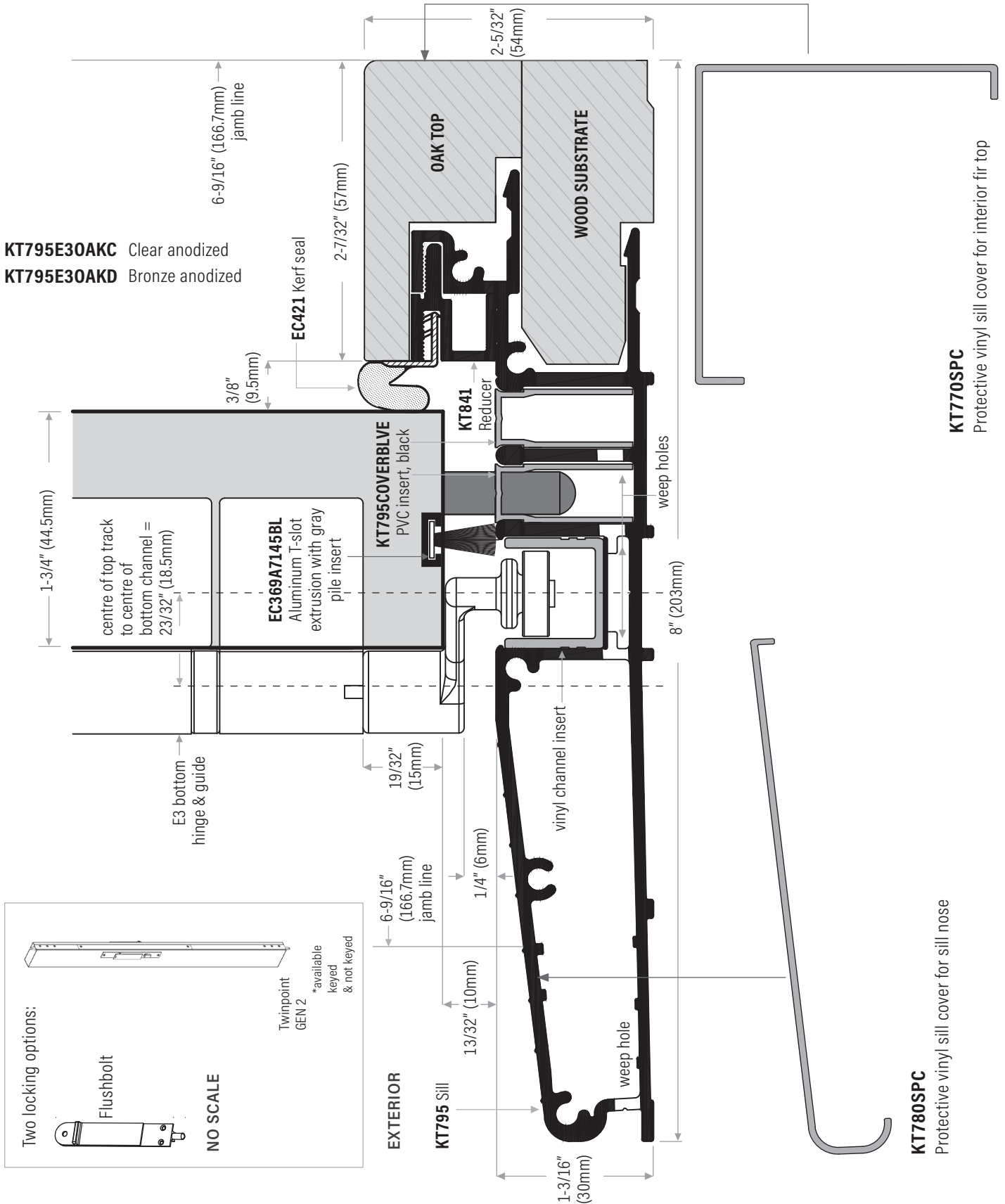


# KT795 (8") Outswing Sill System For 1-3/4" (44.5mm) Door Thickness

E3

Extrusion Alloy 6063 T5. Actual full sill width: 8" (203mm) channel sill for flushbolt or twinpoint

New Generation Sill with Flushbolt Pin Channel. Sill is fabricated as shown by Eclipse Architectural.



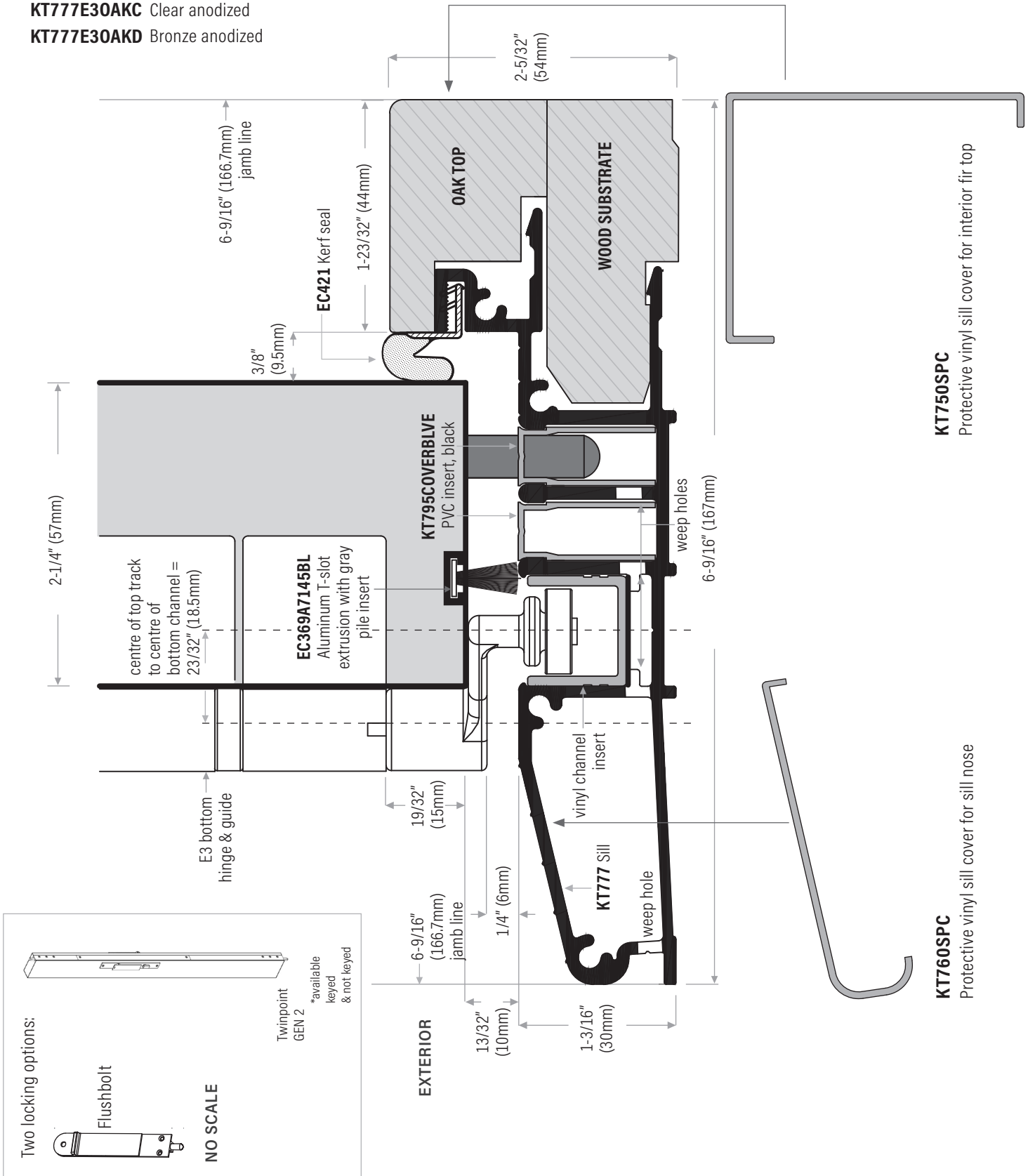
# KT777 (6-9/16") Outswing Sill System For 2-1/4" Door Thickness

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. Sill is fabricated as shown by Eclipse Architectural.

**KT777E30AKC** Clear anodized

**KT777E30AKD** Bronze anodized



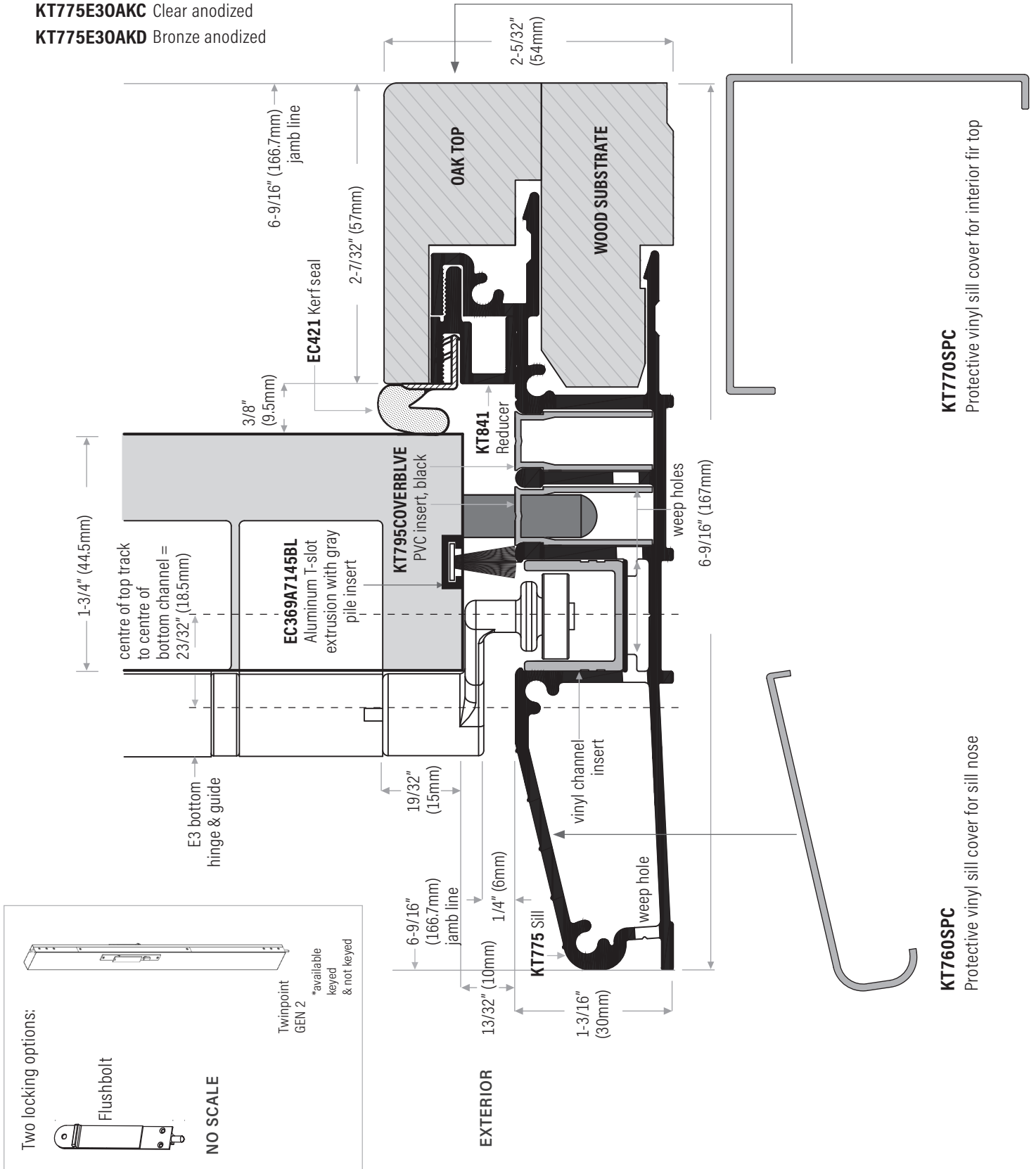


# KT775 (6-9/16") Outswing Sill System For 1-3/4" Door Thickness

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. Sill is fabricated as shown by Eclipse Architectural.

**KT775E30AKC** Clear anodized  
**KT775E30AKD** Bronze anodized



# E3™ Jamb For 2-1/4" (57mm) Door Thickness

## Exterior E3 Folding Door, Outswing Application

Two locking options:

DBOT Flushbolt



Twinpoint  
GEN 2

\*available  
keyed  
& not keyed

**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)



ECE2DBFORB Flushbolt  
router bit is available

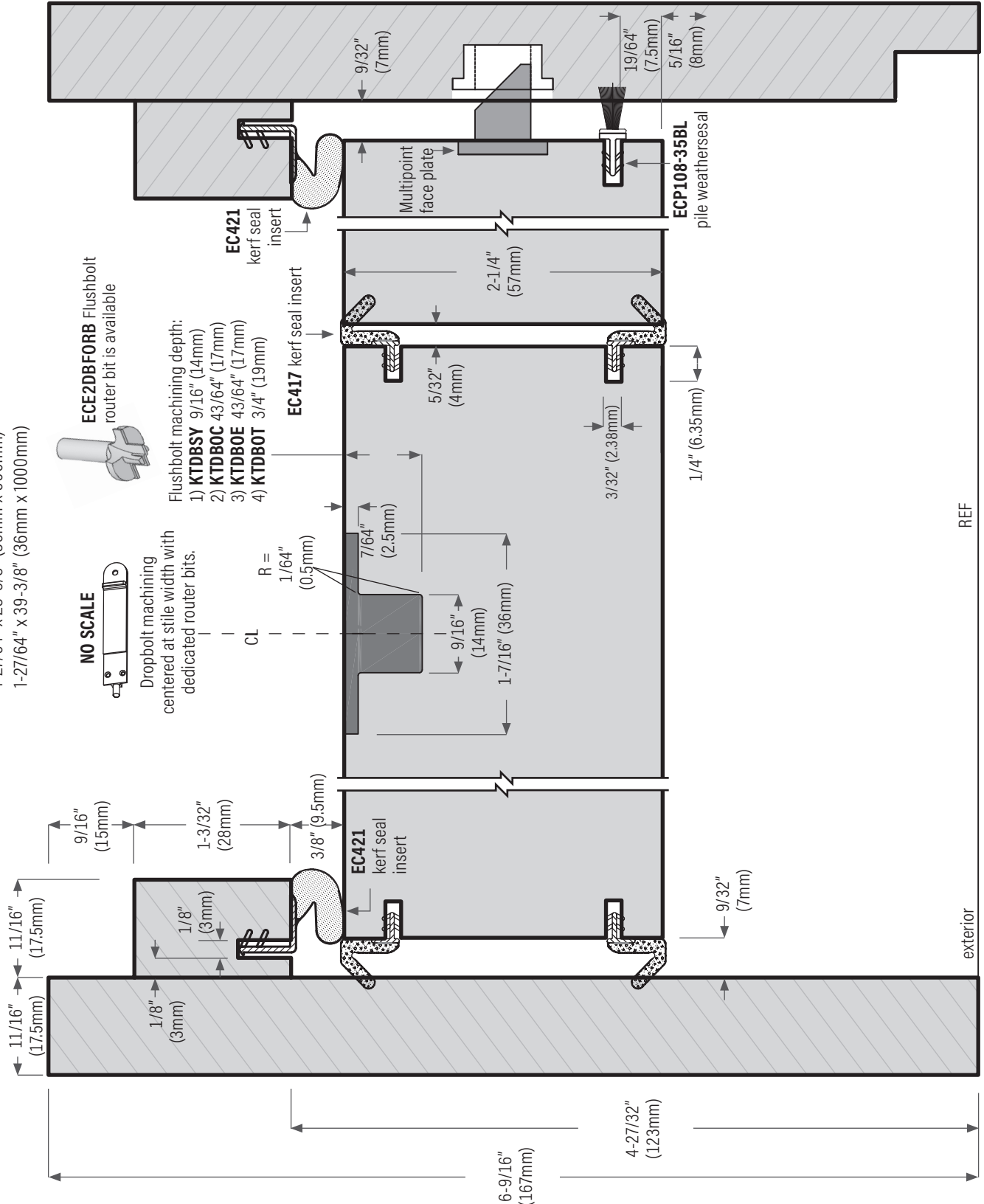
NO SCALE



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)



# E3™ Jamb For 1-3/4" (44.5mm) Door Thickness

## Exterior E3 Folding Door, Outswing Application.

Two locking options:  
 DBOT Flushbolt



Twinpoint  
GEN 2

\*available  
keyed  
& not keyed

**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)



**ECE2DBFORB** Flushbolt  
router bit is available

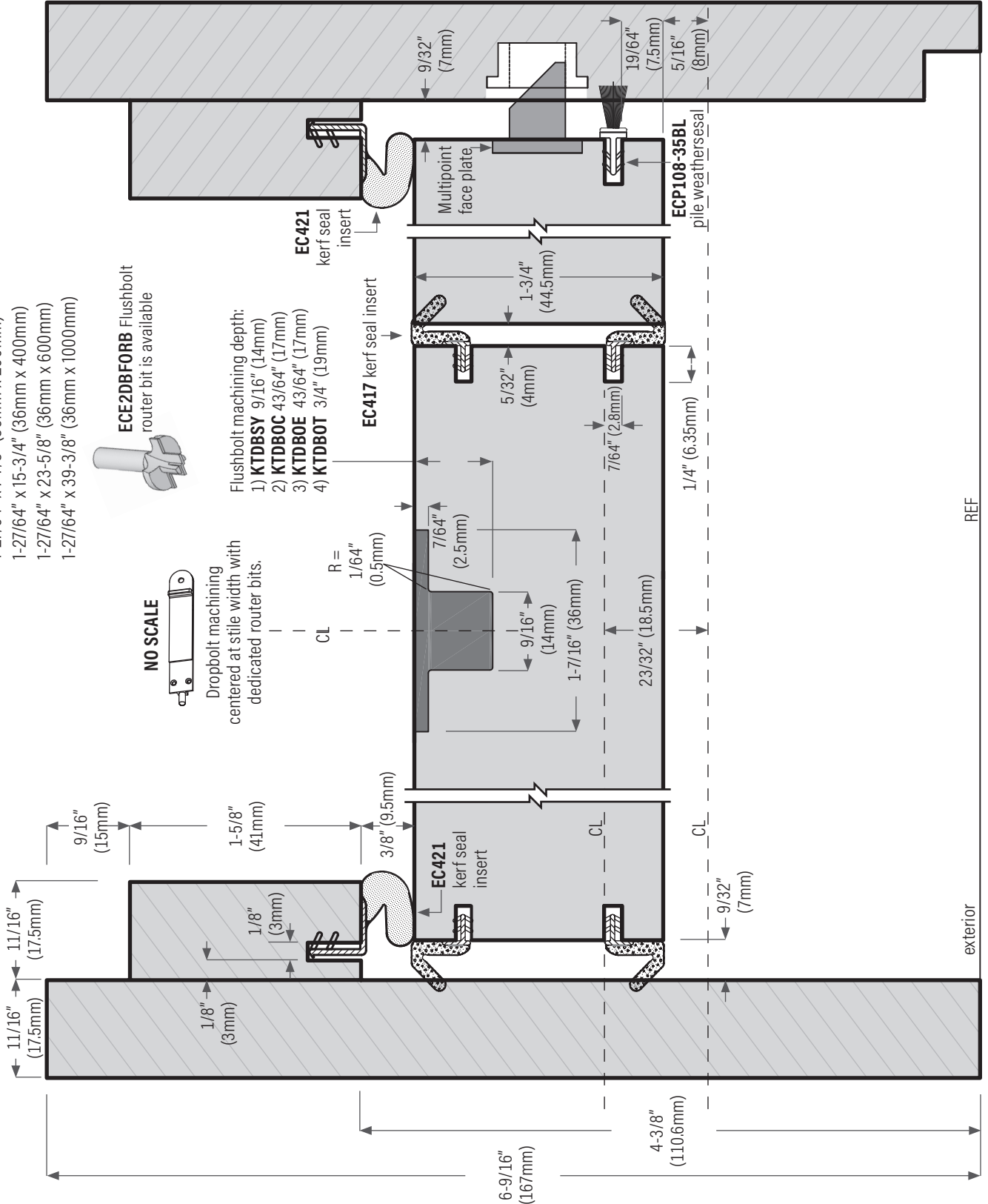
Flushbolt machining depth:

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

**NO SCALE**



Dropbolt machining  
centered at stile width with  
dedicated router bits.



REF



# KT75 Top Track for 2-1/4" (57mm) Door Thickness E3™ Header

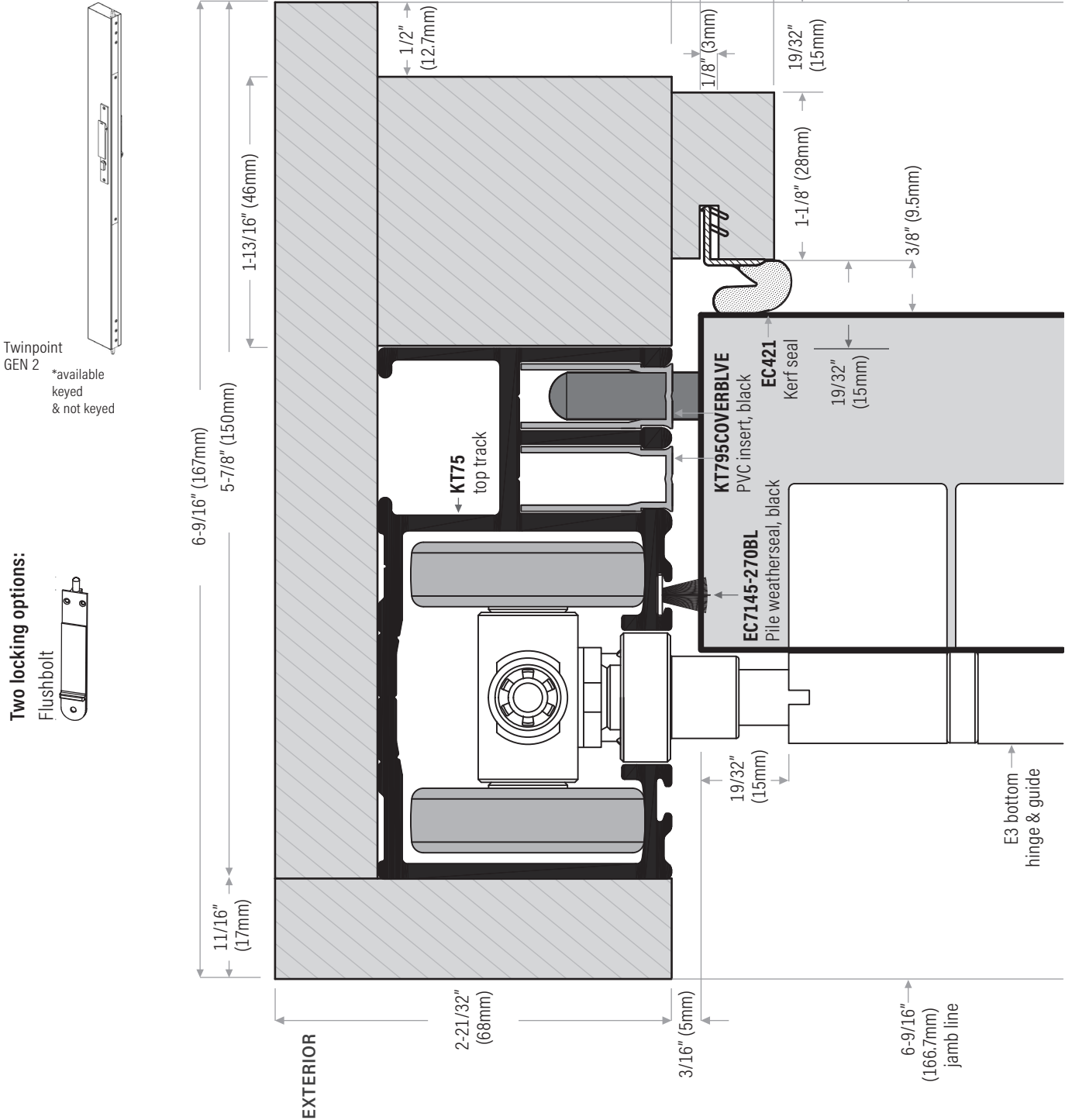
Exterior E3 folding door, EC75 Outswing application only.

Channel top track for flushbolt or twinpoint

New Generation Top Track with Flushbolt Pin Channel.

**KT75C** Clear

**KT75D** Bronze anodized



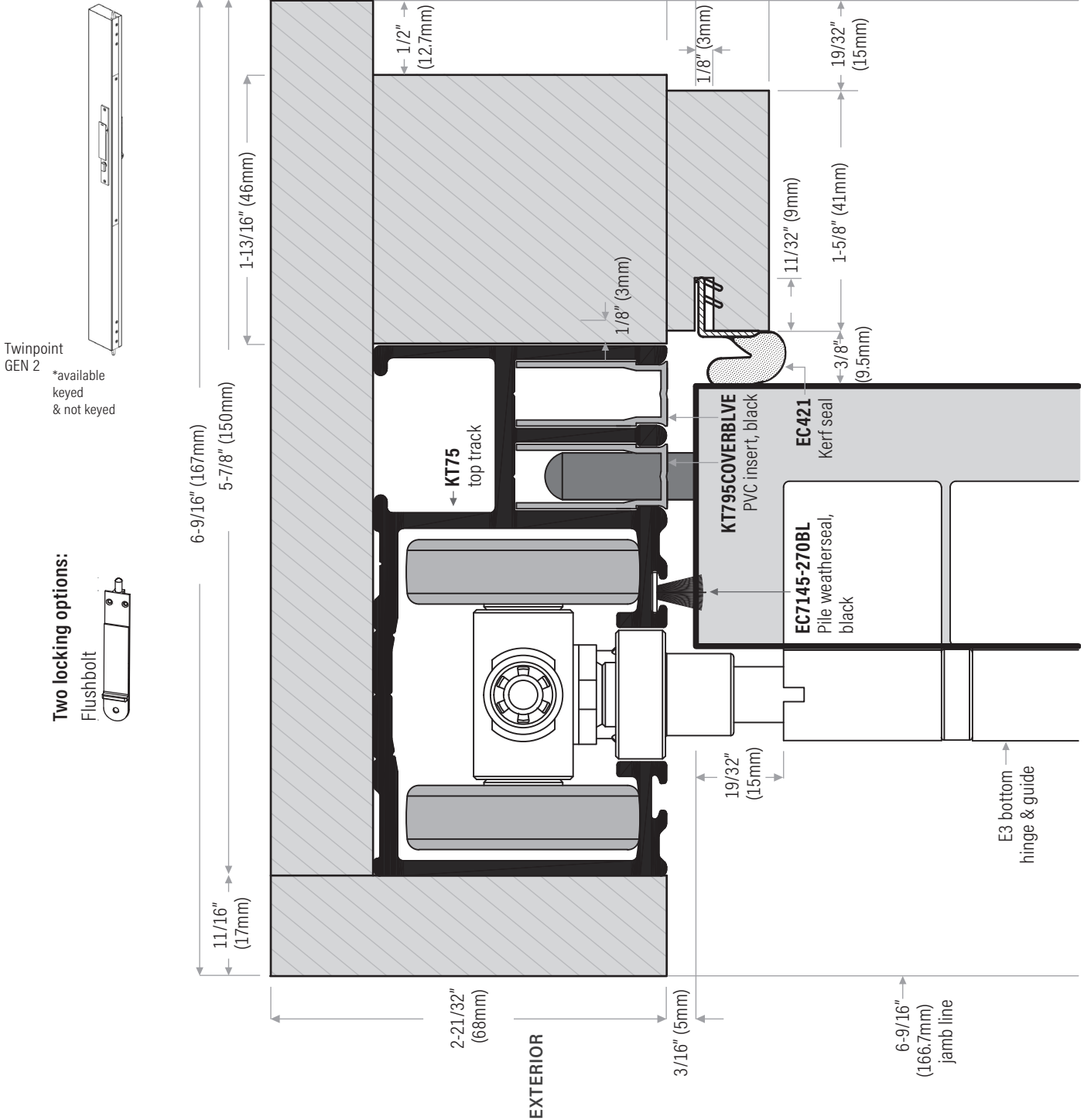
# KT75 Top Track for 1-3/4" (44.5mm) Door Thickness E3™ Header

Exterior E3 folding door, EC75 Outswing application only.

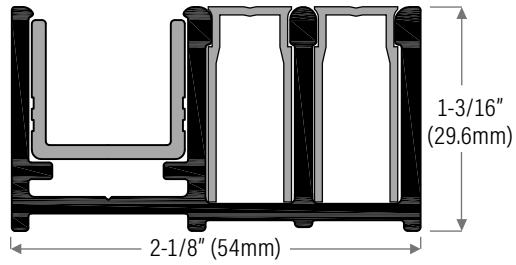
Channel top track for flushbolt or twinpoint.

New Generation Top Track with Flushbolt Pin Channel.

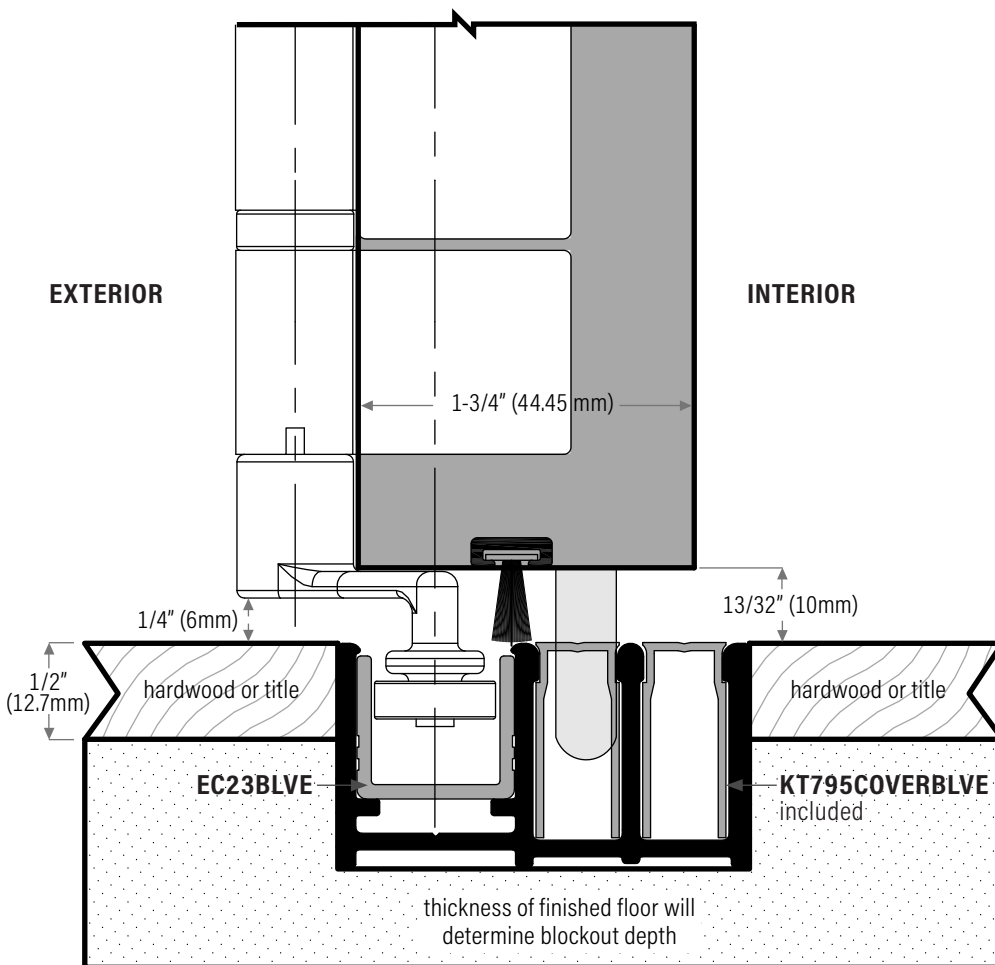
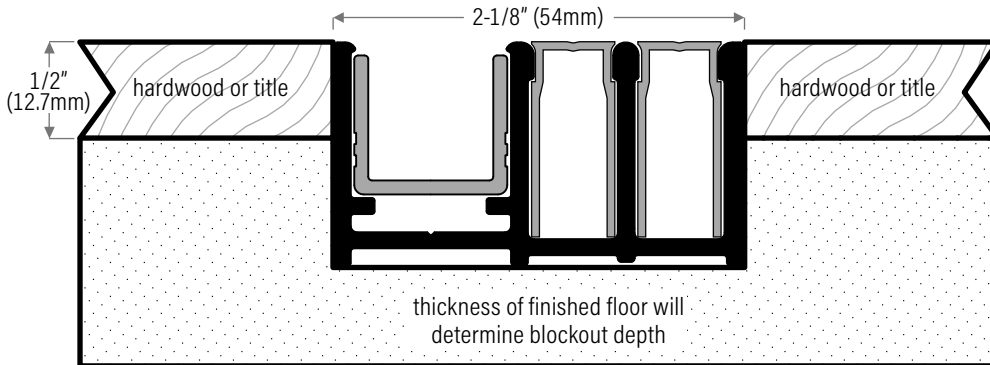
**KT75C** Clear anodized  
**KT75D** Bronze anodized



# KT218 Floor Channel for 1-3/4" (44.45mm) Door Thickness

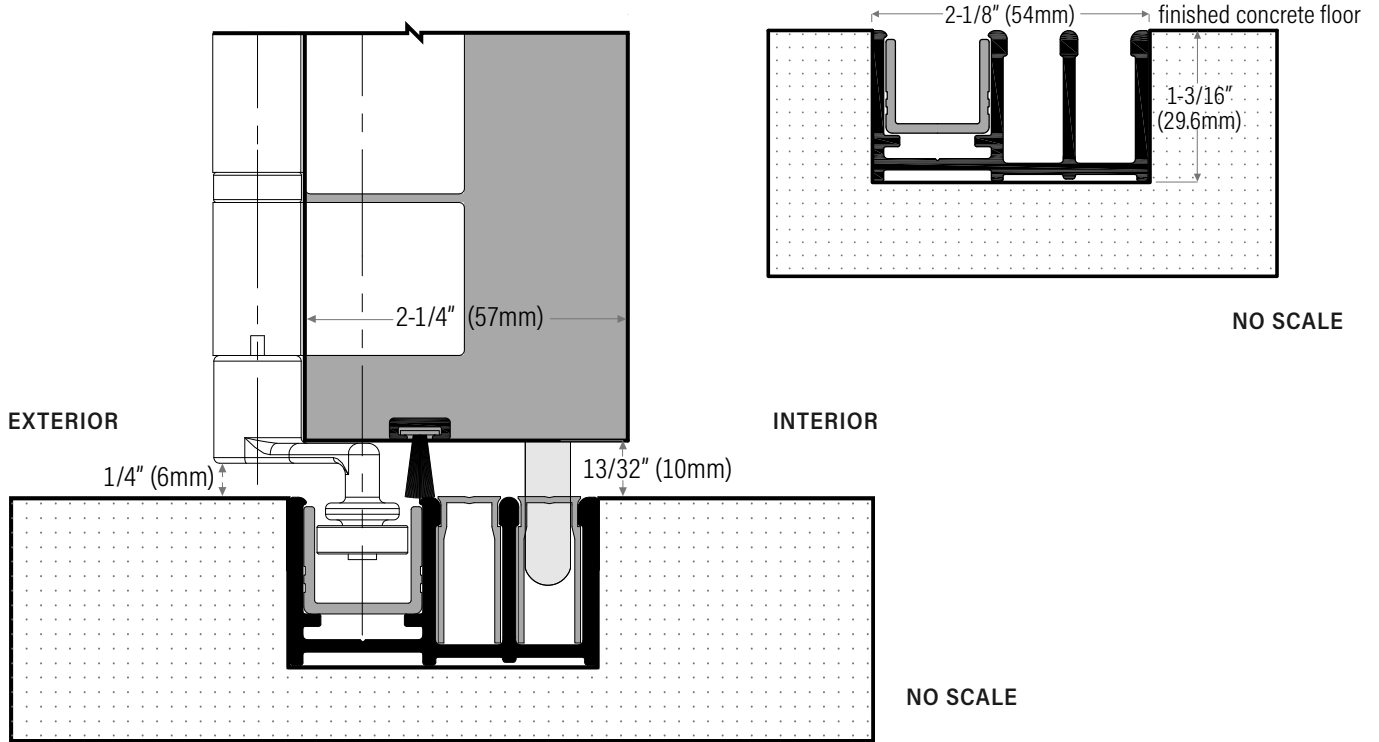


**KT218DV** Aluminum bronze anodized with 3 pvc inserts, black

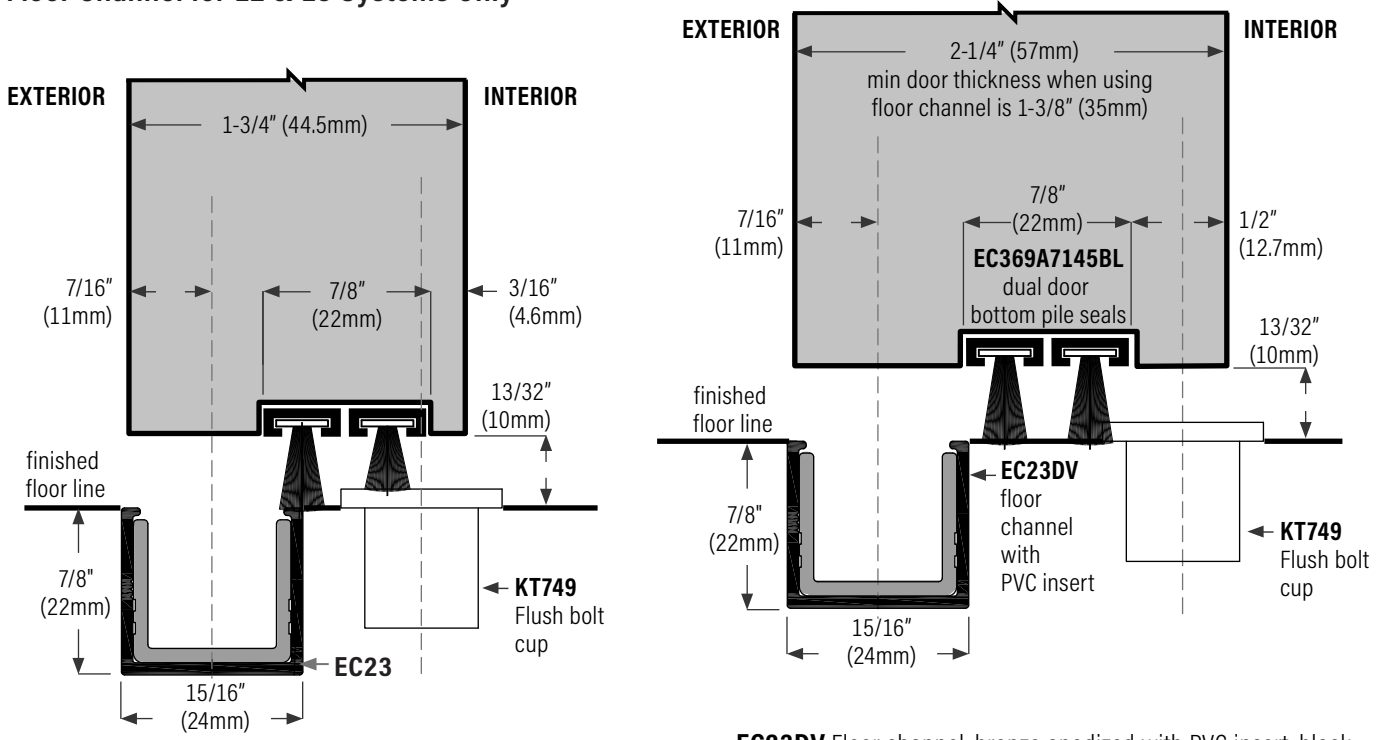




# KT218 Floor Channel for 2-1/4" (57mm) Door Thickness



## Floor Channel for E2 & E3 Systems Only



**EC23BLVE**  
 PVC insert only, black (replacement part)  
 Lengths available: 111", 147", 183", 222", 294"  
 (2.81m, 3.73m, 4.64m, 5.63m, 7.46m)

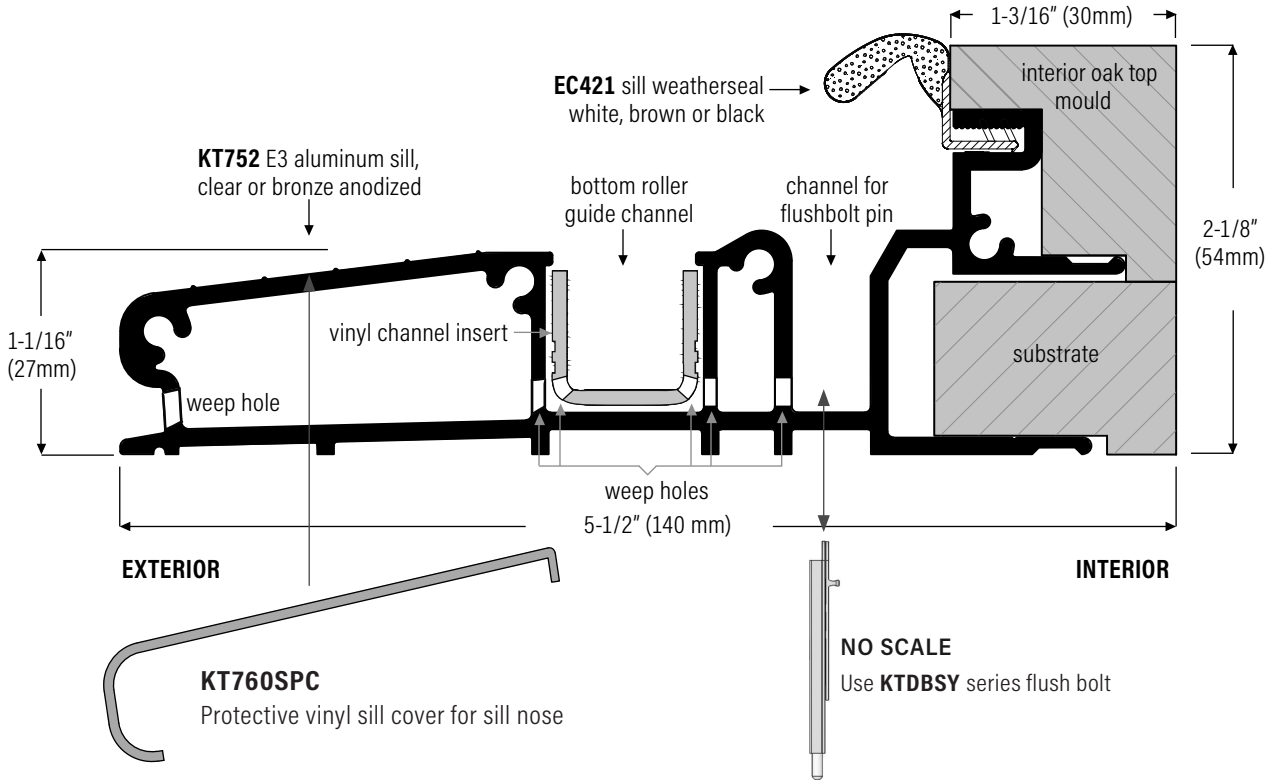
**EC23DV**  
 Floor channel, bronze anodized with PVC insert, black

**EC23DV** Floor channel, bronze anodized with PVC insert, black  
**EC23BLVE** PVC insert only, black (replacement part)  
 Lengths available: 111", 147", 183", 222", 294"  
 (2.81m, 3.73m, 4.64m, 5.63m, 7.46m)

# KT752 Series E3™ 5-1/2" (139.7mm) Outswing Sill System

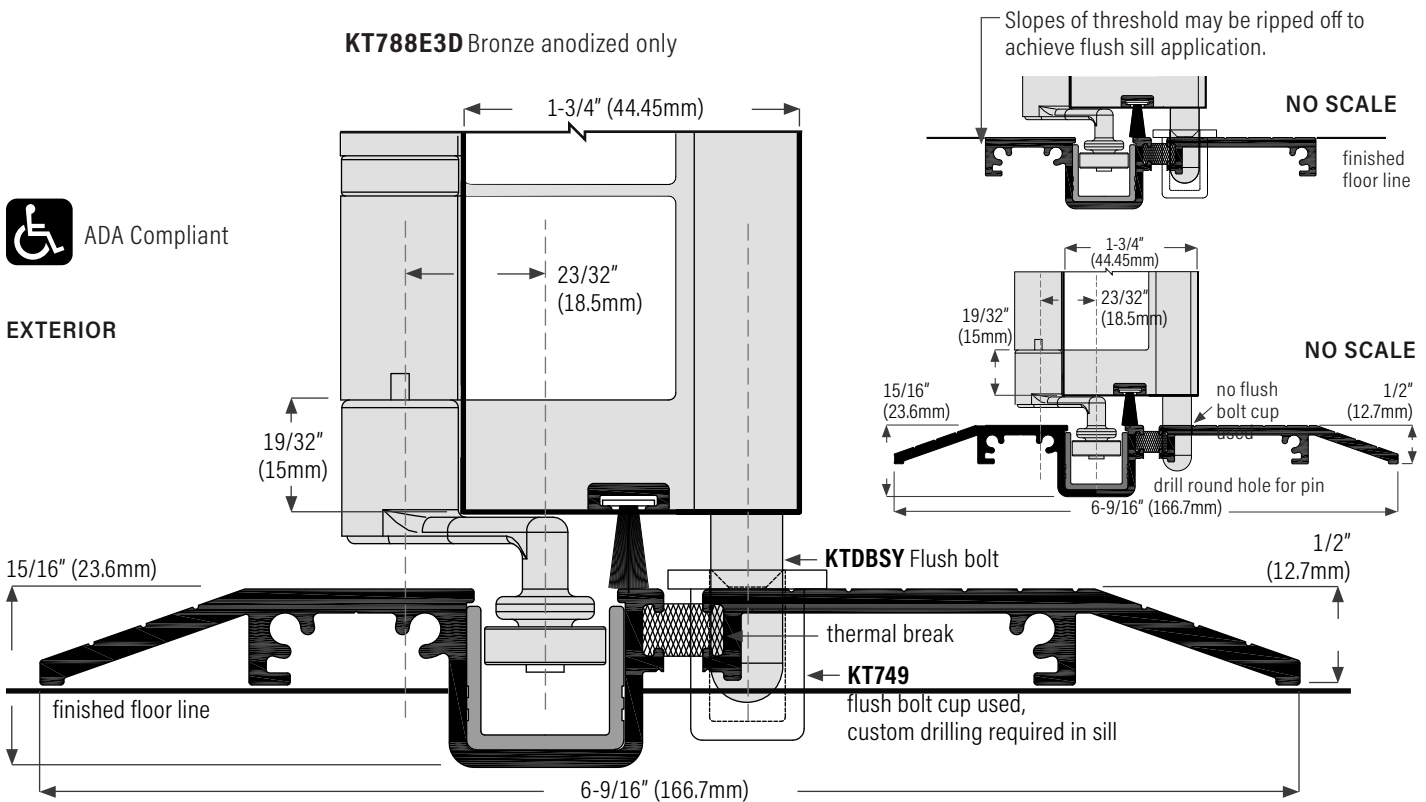
Only For 1-3/4" (44.5mm) Door Thickness & 4-9/16" (115.8 mm) Wall Thickness

KT752E30AK Outswing sill with oak top, bronze anodized only



# 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.



EXTERIOR

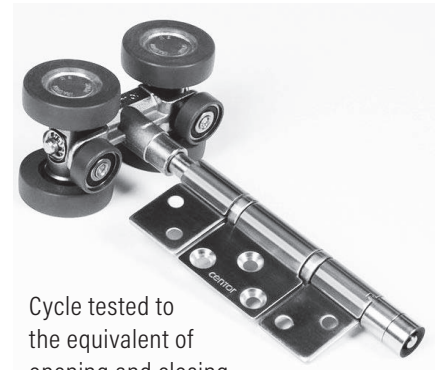
# Surelock 5 Upgrade

The new Surelock 5 technology ensures folding doors running on E2 and E3 hardware can be adjusted simply with an Allen key. Offering seven upgrades from the original version, the new Surelock 5:

1. Ensures adjustment is self-evident with insertion of an 5/16" (8mm) Allen key into the end of the pin – now you can explain adjustment over the phone to your customers.
2. Removes the problematic yellow shipping clip found at the bottom of the pin – it can't be left in place after adjustment is finalized at installation.
3. Use of the Allen key provides more torque, so the panel no longer needs to be 'unweighted' during adjustment.
4. Eliminates the locking wafer which had possibility of shifting off-center and scratching the panel during adjustment.
5. Allows for one-handed adjustment with the Allen key.
6. Allows you to use an extended Allen key to adjust the door from ground level – a ladder or stool is no longer required making it safer for employees.
7. Looks great thanks to the simplified design of the pin.

**The E3 hardware now accommodates:**

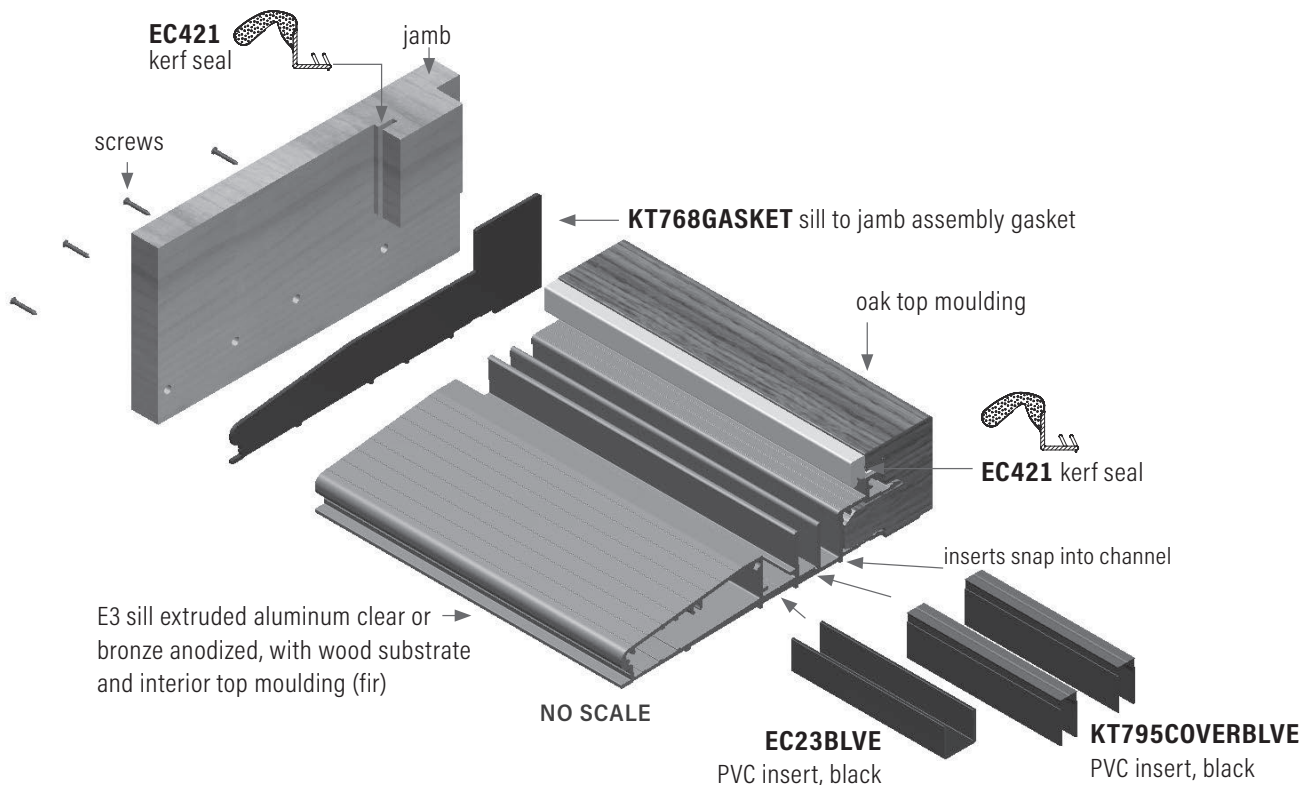
- Max. panel weight 250lbs (115kg)
- Max. panel height 144" (3600mm)
- Max. panel width 48" (1200mm)



Cycle tested to the equivalent of opening and closing the door every day for 40 years!



## Jamb To Sill Assembly







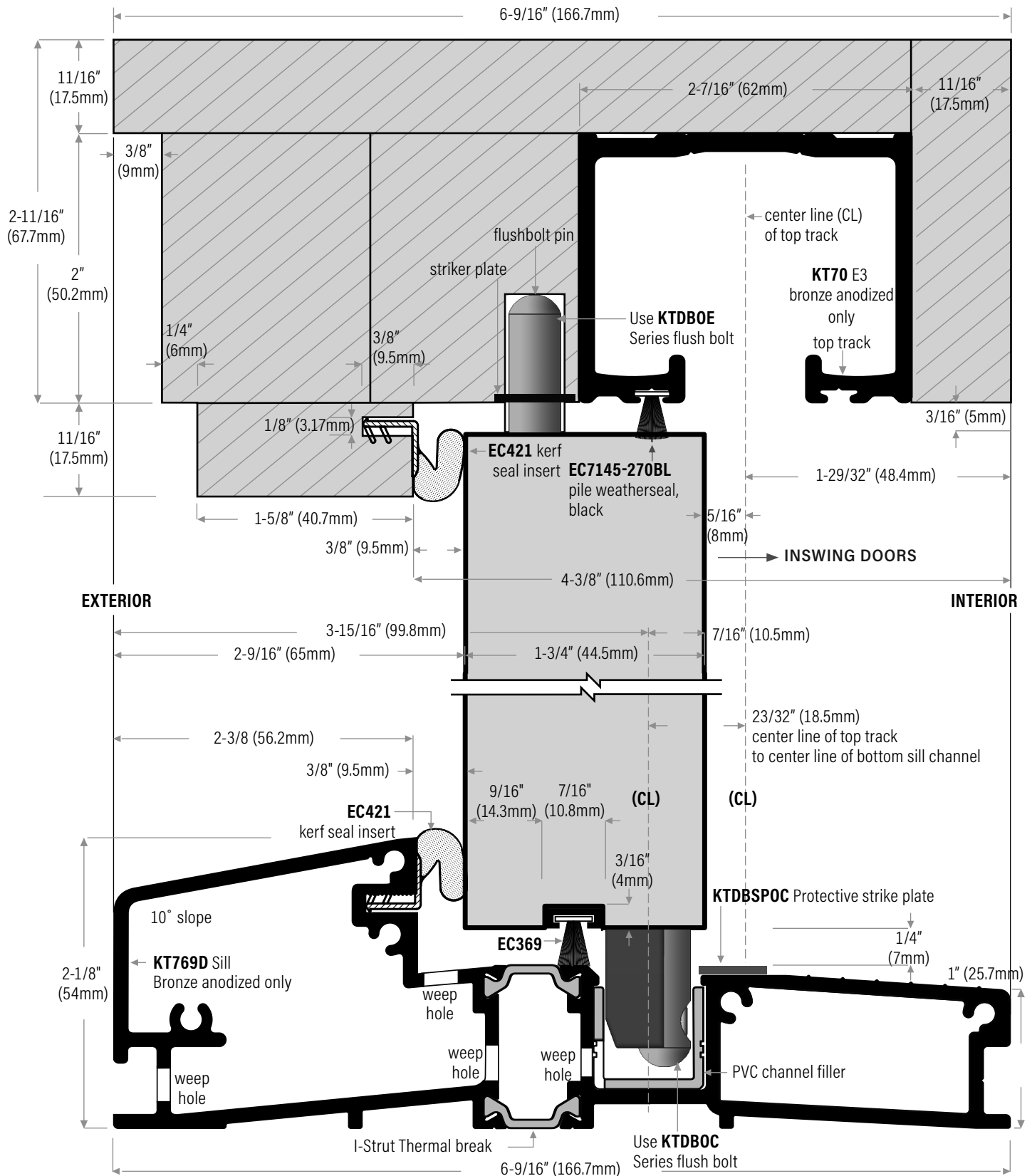
# KT769D E3™ Sill System For 1-3/4" (44.5mm) Door Thickness

E3

## Water Return All Aluminum Sill System, Thermally Broken For INSWING FOLDING DOORS

(Only EC70 Top Track can only be used on inswing application)

**BRONZE ANODIZED ONLY**



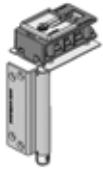
# E3 Parts Selection

When ordering, add color designation (letters) to end of product number: \*PVD brass (TG) finish is custom order, call for manufacturing time.

**OL:** pvd bronze | **S:** stainless steel | **TG:** pvd brass

**KTE3CPS**

Pivot sets  
2 pieces



**ECE3CBPIVOTH** bottom pivot housing only (replacement part)

**KTE3WPS**

Wall pivot set, jamb mounted middle pivot for doors over 88" (2235mm)  
1 piece



mounted between top & bottom pivot

**KTE3CLCS**

Left carrier sets  
2 pieces



concealed bottom guide

**KTE3CRCS**

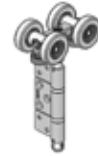
Right carrier sets  
2 pieces



concealed bottom guide

**KTE3CICS**

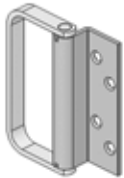
Intermediate carrier sets,  
3 pieces



concealed bottom guide

**KTE3EH**

Interior D pull handle for inswing doors  
1 piece



**ECE3HS**

Hinge sets (FLAT) with middle handle for outswing doors - 3 pieces



**KTE3HNHS**

Hinge sets (FLAT) without middle handle for inswing doors - 3 pieces



**KTE3HHS**

Half OFFSET hinge sets with middle handle for outswing doors - 3 pieces



**KTE3HHNHS**

Half offset hinge sets without middle handle for inswing doors - 3 pieces



Intermediate carrier sets with additional hinge

**KTE3HNH** Single hinge, order separately

concealed bottom guide

Hinge sets with handle for outswing doors



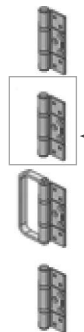
**KTE3HNH** Single hinge, order separately

Hinge sets no handle for inswing doors



**KTE3HNH** Single hinge, order separately

Half offset hinge sets with handle for outswing doors



**KTE3HHNH** Single hinge, order separately

Half offset hinge sets no handle for inswing doors



**KTE3HHNH** Single hinge, order separately

**Pivot Set**



**2 pieces**  
**KTE3CPSTG** PVD brass ✱  
**KTE3CPSOL** PVD bronze  
**KTE3CPSS** stainless steel

**Wall Pivot Set**  
 Use with above pivot set on doors over 8ft (2438mm) in height




**1 piece**  
**KTE3WPSTG** PVD brass ✱  
**KTE3WPSOL** PVD bronze  
**KTE3WPSS** stainless steel

**Half Offset Hinge Set**  
 Middle hinge with handle for outswing doors




**3 pieces**  
**KTE3HHSTG** PVD brass ✱  
**KTE3HHSOL** PVD bronze  
**KTE3HHSS** stainless steel

**Hinge Set (Flat)**  
 Middle hinge with handle for outswing doors



**3 pieces**  
**KTE3HSTG** PVD brass ✱  
**KTE3HSOL** PVD bronze  
**KTE3HSS** stainless steel

**Intermediate Carrier Set**



**3 pieces**  
**KTE3CICSTG** PVD brass ✱  
**KTE3CICSOL** PVD bronze  
**KTE3CICSS** stainless steel

**Right Carrier Set**




**2 pieces**  
**KTE3CRCSTG** PVD brass ✱  
**KTE3CRCSOL** PVD bronze  
**KTE3CRCSS** stainless steel

**Left Carrier Set**



**2 pieces**  
**KTE3CLCSTG** PVD brass ✱  
**KTE3CLCSOL** PVD bronze  
**KTE3CLCSS** stainless steel

**Single Hinge Half Offset**  
 No handle for inswing doors. Use as 4th & 5th hinge for doors over 8ft (2438mm) in height.



**1 piece**  
**KTE3HHNHTG** PVD brass ✱  
**KTE3HHNHOL** PVD bronze  
**KTE3HHNHS** stainless steel

**Single Hinge (Flat)**  
 No handle for inswing doors. Use as 4th & 5th hinge for doors over 8ft (2438mm) in height.





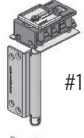




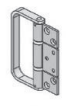






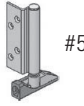
**1 piece**  
**KTE3HNHTG** PVD brass ✱  
**KTE3HNHOL** PVD bronze  
**KTE3HNHS** stainless steel

**Half Offset Hinge Set**  
 No middle handle for inswing doors



**3 pieces**  
**KTE3HHNHSTG** PVD brass ✱  
**KTE3HHNHSSOL** PVD bronze  
**KTE3HHNHSS** stainless steel

**\*PVD brass (TG) finish is custom order, call for manufacturing time.**  
**Replacement Screws for all hinges**  
**KTE3SCREWTG** PVD brass ✱  
**KTE3SCREWOL** PVD bronze  
**KTSCREWSS** stainless steel


Number of Hinges for Panel Heights of 80" to 144" (2032mm to 3657mm)		
Intermediate carrier sets	Hinge set or half offset hinge set	Pivot set top & bottom
 #1	 #1	 #1
 #2	 #2	 #2
 #3	 #3	 #3
 #4	 #4	 #4
 #5	 #5	 #5
Up to 96" (2438mm) door height use 1, 3, 5	Up to 96" (2438mm) door height use 1, 3, 5	Up to 87-15/16" (2234mm) door height use 1 & 5
96-1/16" to 108" (2440 to 2743mm) use 1, 2, 3, 5	96-1/16" to 108" (2440 to 2743mm) use 1, 2, 3, 5	88" to 96" (2235 to 2438mm) door height use 1, 3, 5
108-1/16" to 144" (2745 to 2997mm) use 1, 2, 3, 4, 5	108-1/16" to 144" (2745 to 2997mm) use 1, 2, 3, 4, 5	96-1/16" to 108" (2440 to 2743mm) door height use 1, 2, 3, 5
		108-1/16" to 144" (2745 to 2997mm) door height use 1, 2, 3, 4, 5

**Hinge Set (Flat)**  
 No middle handle for inswing doors



**3 pieces**  
**KTE3HHNHTG** PVD brass ✱  
**KTE3HHNHSSOL** PVD bronze  
**KTE3HHNHS** stainless steel

**Single Hinge Half Offset**  
 With handle for outswing doors. Use as 4th & 5th hinge for doors over 8ft (2438mm) in height



**1 piece**  
**KTE3HHTG** PVD brass ✱  
**KTE3HHHOL** PVD bronze  
**KTE3HHS** stainless steel

**Single Hinge (Flat)**  
 With handle for outswing doors. Use as 4th & 5th hinge for doors over 8ft (2438mm) in height



**1 piece**  
**KTE3HTG** PVD brass ✱  
**KTE3HOL** PVD bronze  
**KTE3HS** stainless steel



# Eclipse Twinpoint Gen 2 Locking System for Wood Doors

Designed for folding doors, the Twinpoint Gen2 is a stylish alternative to surface mounted dropbolts. Simple to install and use, its elegant central handle operates concealed top and bottom bolts, securing doors in one easy movement. This low-profile lock effortlessly secures bifold or French doors up to 13' (4m) tall and is available with external key locking.



Non-keyed

Keyed  
(accessible to interior from exterior side)

## TWINPOINT GEN2 INNOVATIONS



### Smaller gear box for maximized compatibility

A smaller gear box means TwinPoint Gen2 suits most stile and profile designs currently using other locks



### Strong materials & design

Designed to meet high demands for weather-sealing, security and wind load



### Lockable from inside & out

Keyway on outside and thumb turn on the inside provides access and security for folding doors



### Perfect for even-panel configurations and two-panel bifolds.

With both egress and ingress capabilities, 2L2R and two-panel bifolds can now be offered without hesitation.

## NEW COMPACT GEAR BOX

The lock's new slim gearbox fits neatly into prevalent panel thicknesses of 1 3/4" and 2 1/4".

Non-keyed lock body	1 1/4" wide, 5/8" thick, 5 3/4" long 32mm wide, 15.5mm thick, 145.5mm long
Key lock body	1 1/4" wide, 5/8" thick, 10 11/16" long 32mm wide, 15.5mm thick, 272mm long

## ENGINEERED FOR STRENGTH



- Designed with robust materials to meet increased demands for weather sealing, security and wind load.
- 1" (24.5mm) throw bolts maximize structural performance in heightened weather conditions and protect your customer against unwanted visitors.
- In wood doors a full-length transmission rod cover provides reinforcement for improved performance.
- New durable handle design eliminates the need for an additional closing handle, reducing inventory and lowering cost.

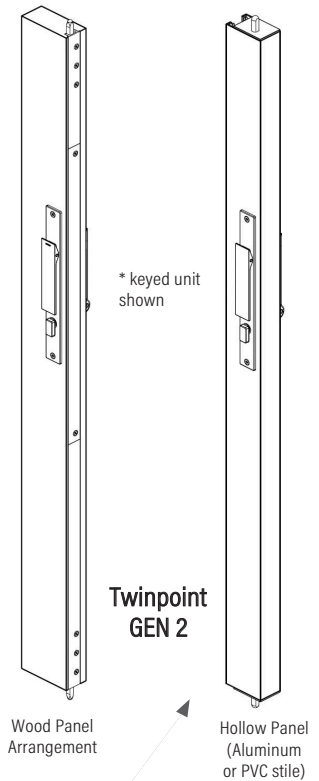
## MODERN FINISHES

TwinPoint Gen2 hardware is available in brushed stainless steel and PVD bronze color options.

### Twinpoint Swing Handle (SS)

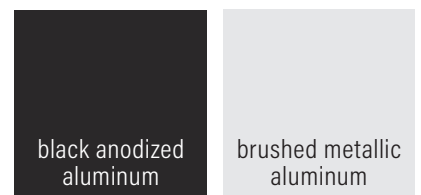


Offered in :  
brushed stainless steel  
and pvd bronze over  
stainless steel



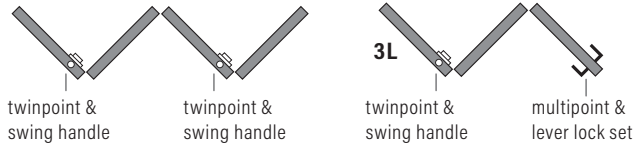
**Twinpoint Gen 2 also available for aluminum or pvc hollow stile doors. Please contact customer service**

### Twinpoint Housing Finishes



# Eclipse Twinpoint Gen 2 Lock & Swing Handle for Wood Doors

Min door thickness: 1-3/4" (35 mm) / Throw length: 1" (25 mm) / Uses: folding, french & sliding



## Function:

The Twinpoint Gen 2 operates easily with a simple (active) panel 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.

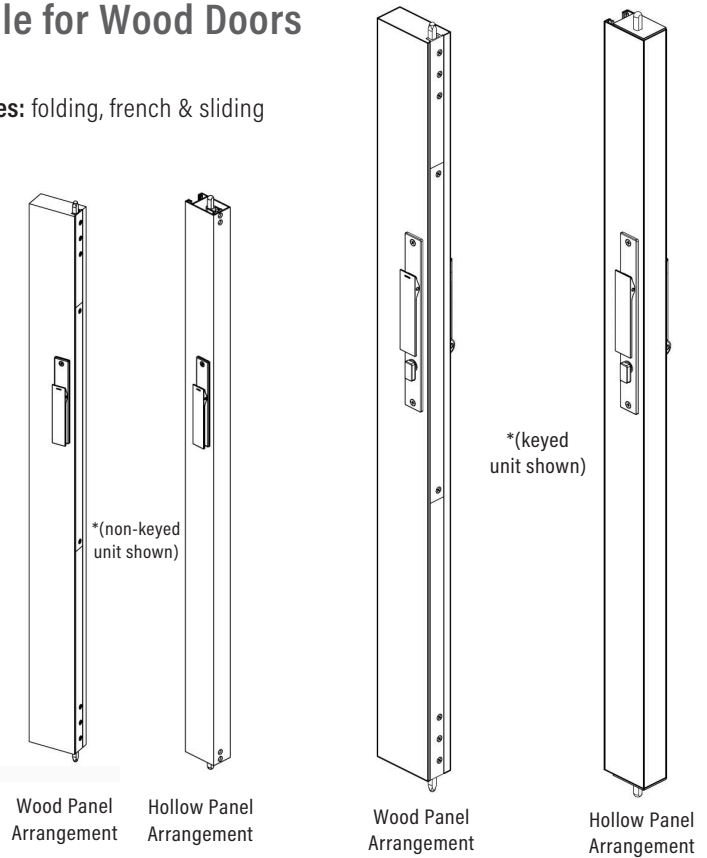
For people with mobility impairments, the Twinpoint offers the security of two flushbolts, but without the access problems associated with flushbolts being too high or low to reach, and hard-to-grip door handles.

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

## 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
<b>TwinPoint Gen 2</b>	<b>Transmission Rods for Wood or Fiberglass doors</b>
<b>ECTPL-005-24-XS</b>	TwinPoint transmission rod, cover plate and strike plate for 96" (2438mm) door height / brushed metallic aluminum finish
<b>ECTPL-005-24-LY</b>	TwinPoint transmission rod, cover plate and strike plate for 96" (2438mm) door height / black anodized finish
<b>ECTPL-005-30-XS</b>	TwinPoint transmission rod, cover plate and strike plate for 120" (3048mm) door height / brushed metallic aluminum finish
<b>ECTPL-005-30-LY</b>	TwinPoint transmission rod, cover plate and strike plate for 120" (3048mm) door height / black anodized finish
<b>Gear Box for TwinPoint</b>	
<b>ECTPL-003</b>	Gear box for TwinPoint Gen 2 transmission rod, cover plate & handle 11" double
<b>ECTPL-004</b>	Gear box for TwinPoint Gen 2 transmission rods, cover & handle 7" single
<b>Rod Adaptors</b>	
<b>ECTPL-015-CD-01</b>	Rod adaptors 1.575" backset
<b>Twinpoint Gen 2 Swing Handle</b>	
<b>ECTPL-001-AE-OL</b>	Double handle 1-3/4" out 11" keyed black
<b>ECTPL-001-AE-S</b>	Double handle 1-3/4" out 11" keyed SS
<b>ECTPL-001-EG-OL</b>	Double handle 2-1/4" out 11" keyed black
<b>ECTPL-001-EG-S</b>	Double handle 2-1/4" out 11" keyed SS
<b>ECTPL-002-C-OL</b>	Single handle 1-3/4" out 7" non-keyed black
<b>ECTPL-002-C-S</b>	Single handle 1-3/4" out 7" non-keyed SS
<b>ECTPL-002-G-OL</b>	Single handle 2-1/4" out 1-3/4" in 7" non-keyed black
<b>ECTPL-002-G-S</b>	Single handle 2-1/4" out 1-3/4" in 7" non-keyed SS
<b>ECTPL-002-I-OL</b>	Single handle 2-1/4" in 7" non-keyed black
<b>ECTPL-002-I-S</b>	Single handle 2-1/4" in 7" non-keyed SS
<b>Strike Plate for Head (For replacement purposes only)</b>	
<b>One strike supplied with Twinpoint (Standard)</b>	
<b>ECLTSP8SS</b>	Brushed S.S. Finish
<b>ECLTSP8OL</b>	PVD Bronze Finish

*Twinpoint Gen 2 also available for aluminum or pvc hollow stile doors. Please contact customer service*

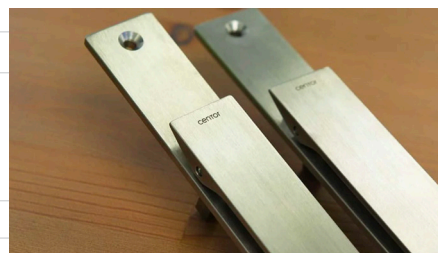
## Cup for ADA Sill and Channel

**ECLTBC8SS** Brushed S.S. Finish

**ECLTBC8SOL** PVD Bronze Finish

## Eclipse E3 Drilling Jig for E3 Hinge placement on door

**ECE3DJ** Eclipse E3 drilling jig for wood doors



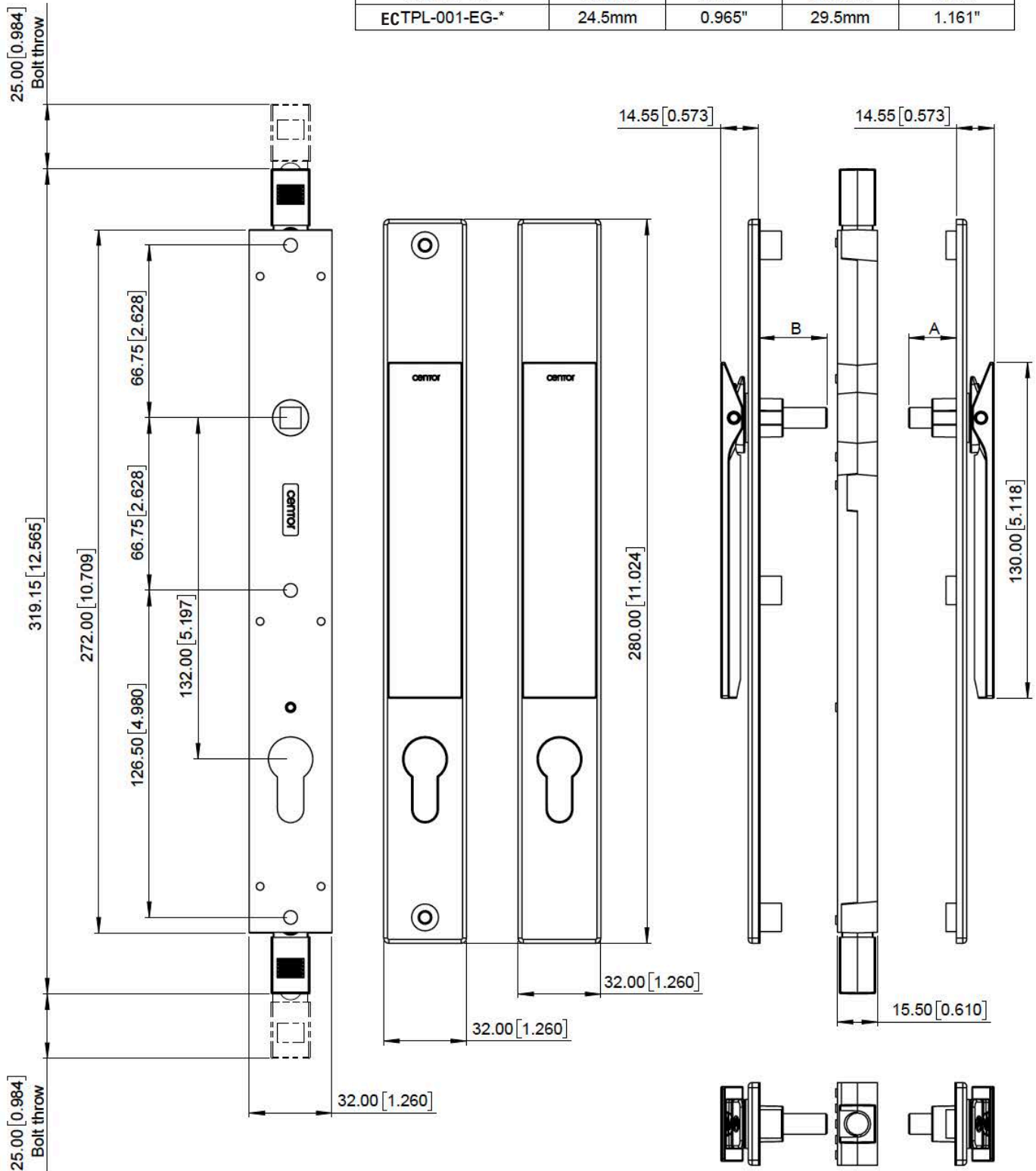


# TwinPoint Gen2 - Wood Panel

## DOUBLE HANDLE KEYED

\* Please refer to  
[www.eclipsefoldingdoorsystems.com](http://www.eclipsefoldingdoorsystems.com)  
 for complete machining specs for twinpoint

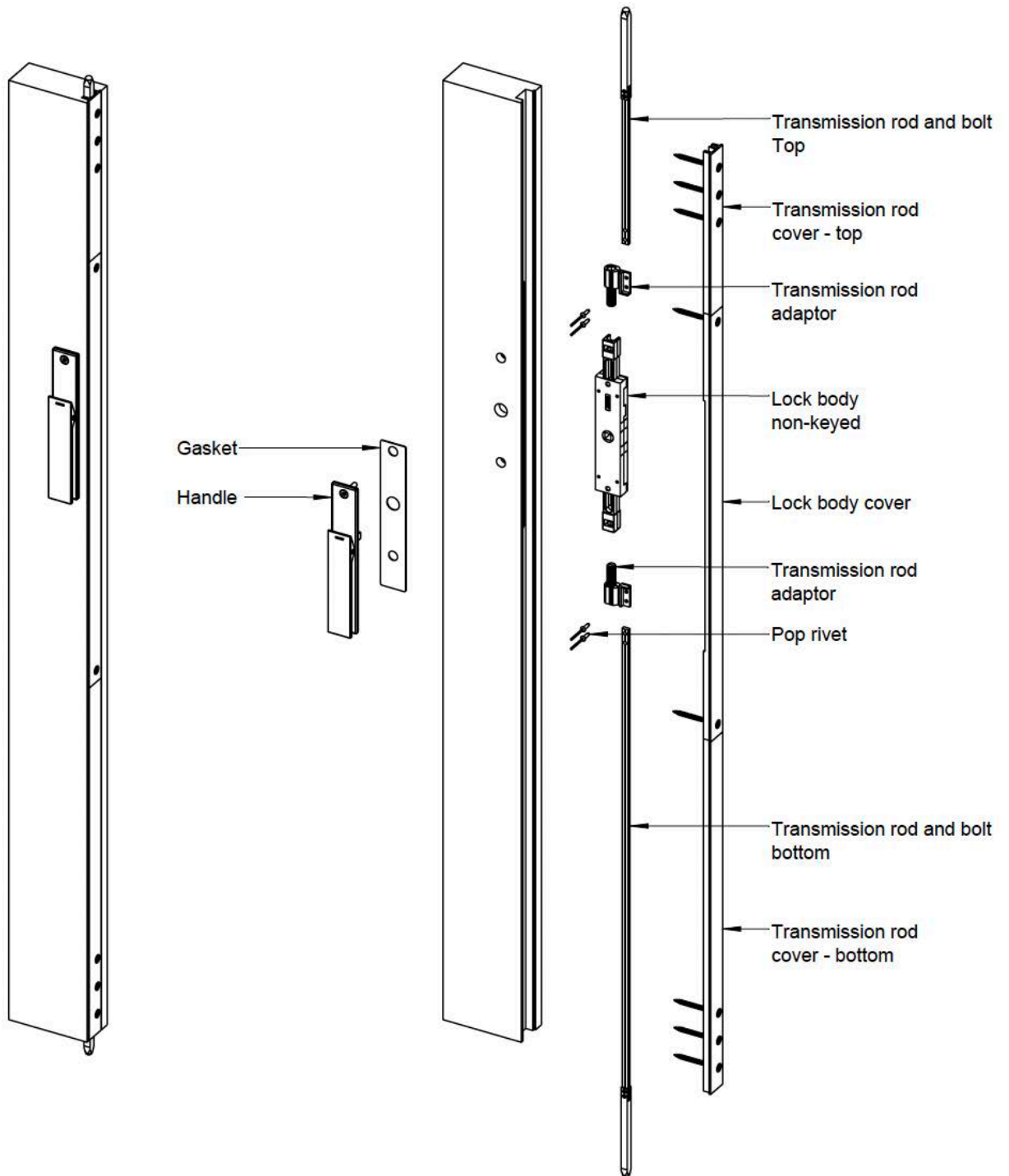
Handle item number	A (internal)		B (external)	
	mm	in	mm	in
ECTPL-001-AE-*	16.5mm	0.650"	24.5mm	0.965"
ECTPL-001-EG-*	24.5mm	0.965"	29.5mm	1.161"



# PRODUCT DETAIL

Wood Panels with TwinPoint Gen2 single handle non-keyed

*\* Please refer to  
www.eclipsefoldingdoorsystems.com for  
complete machining specs for twinpoint*

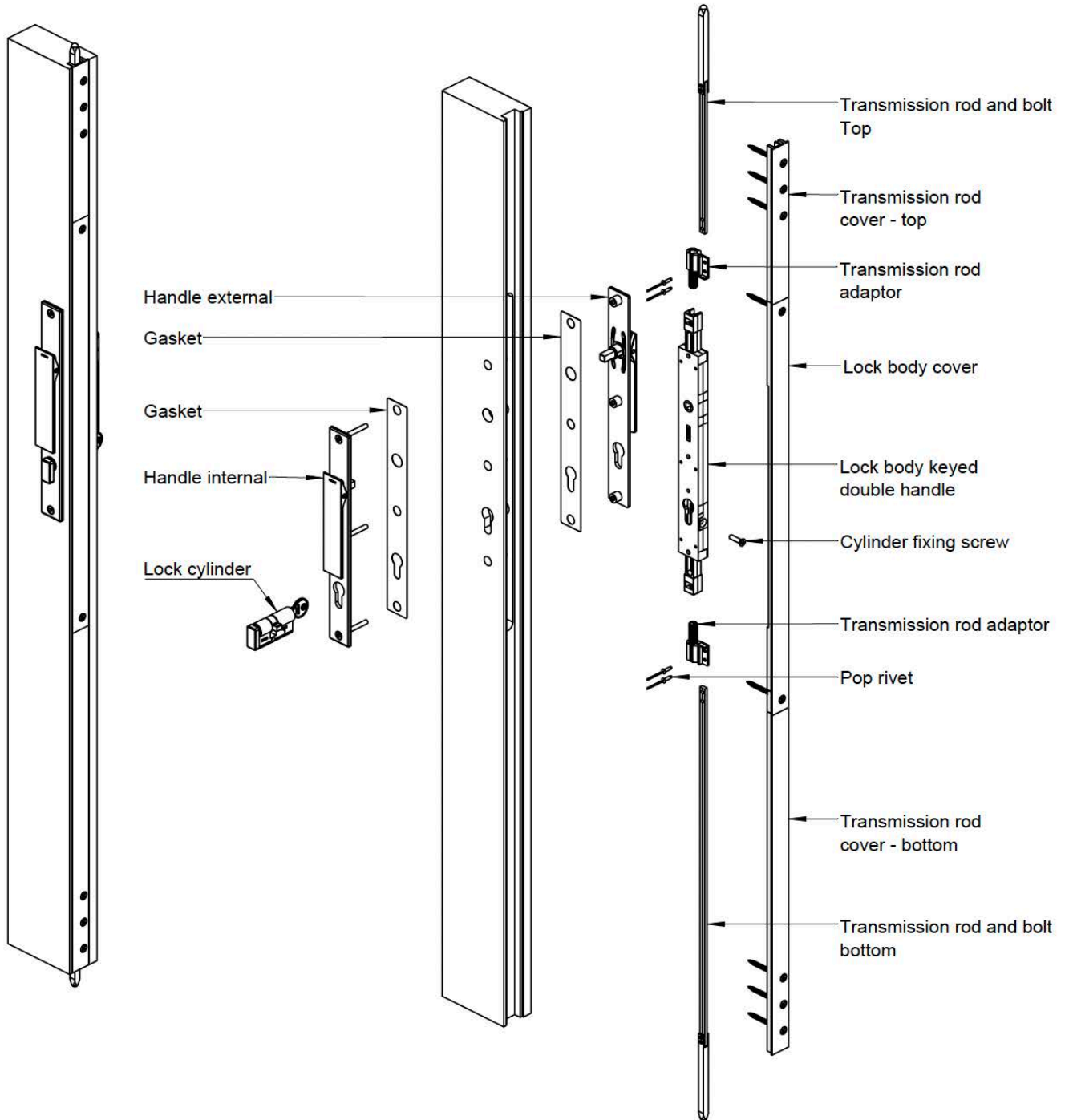




# PRODUCT DETAILS

Wood panels with TwinPoint Gen2 double handle keyed

*\* Please refer to  
www.eclipsefoldingdoorsystems.com for  
complete machining specs for twinpoint*





## E2™ System For Exterior Folding Doors & Windows

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 or wood sliding doors.

### In A Single Direction

max panel weight:	130 lbs (60 kg)
max panel width:	43" (1100mm)
max panel height:	118" (3000mm)
max number of panels:	8 each way
panel thickness when using E2 sill system:	1-3/4" (44.45 mm)
panel thickness when using floor channel:	1-3/8" (34.93mm), 1-3/4" (44.45mm) or 2-1/4" (57.15mm)

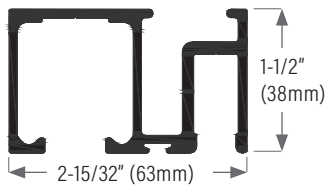
# E2 System Components

**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.

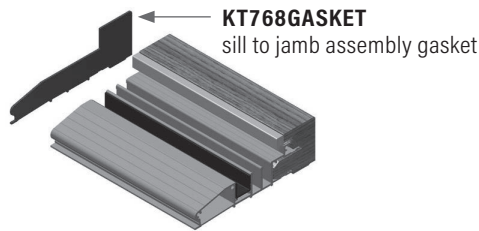
**Parts Selection:** Eclipse E2™ is specified with 5 separate groups: track, sill, weathersealing, flushbolts and hardware. Components are required from all 5 groups to build an Eclipse folding door system.

## Top Track with flushbolt pin channel



**KT49C** clear anodized  
**KT49D** bronze anodized  
 Lengths available: 111", 147", 183", 222"  
 (2819mm, 3734mm, 4648mm, 5639mm)

## Sill System



Oak top water return sill, clear or bronze anodized.

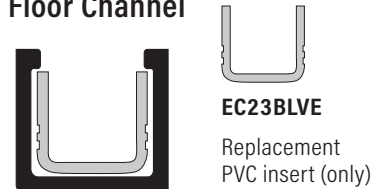
KT795 8" wide (203mm) for 1-3/4" (44.5mm) door.  
 KT775 6-9/16" wide (167mm) for 1-3/4" (44.5mm) door.

Lengths available: 111", 147", 183", 222", 294" (2819mm, 3734mm, 4648mm, 5639mm, 7467mm). Order flushbolt cups and sill assembly end gaskets separately.

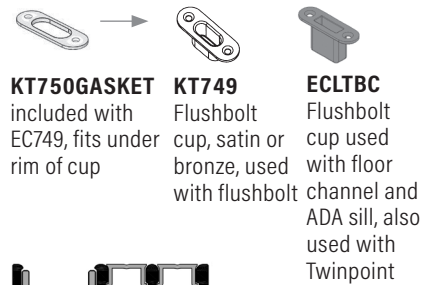


**KT795COVERBLVE**  
 PVC insert, black. Snap in cover for flushbolt channels for the new Eclipse sill & top track. Fits into sills above.

## Floor Channel



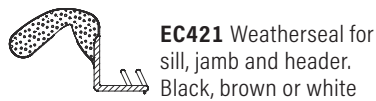
**EC23DV** floor channel, bronze anodized with PVC insert, black.  
 Lengths available: 111", 147", 183", 222", 294"  
 (2819mm, 3734mm, 4648mm, 5639mm, 7467mm)



**KT750GASKET** included with EC749, fits under rim of cup  
**KT749** Flushbolt cup, satin or bronze, used with flushbolt  
**ECLTBC** Flushbolt cup used with floor channel and ADA sill, also used with Twinpoint



## Weatherseals & Astragal



**EC421** Weatherseal for sill, jamb and header. Black, brown or white

**EC190** Fir astragal, may be stained or painted



**EC417** Weatherseal for between doors. Black or brown



**EC421** Kerf seal



**EC369A7145BL** Aluminum T-slot extrusion with black pile insert, for bottom of doors



**ECP108-35BL** Pile weatherseal for door with astragal, 5/16" (8mm) pile height, black



**EC415BL** Black weatherseal for between doors, use on clad doors where kerf slot is not possible

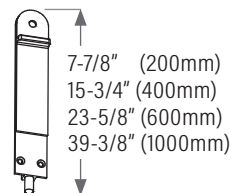


**EC7145-270BL** Pile weatherseal for KT70 & KT75 top track, black

## Flushbolts or Twinpoint

for outswing & inswing doors

4 flushbolt lengths available:



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

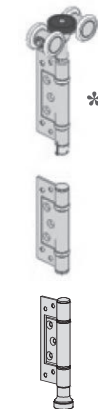
Finishes available: brushed aluminum or bronze powder coat.

**ECTPL2** twinpoint

\*available keyed & not keyed

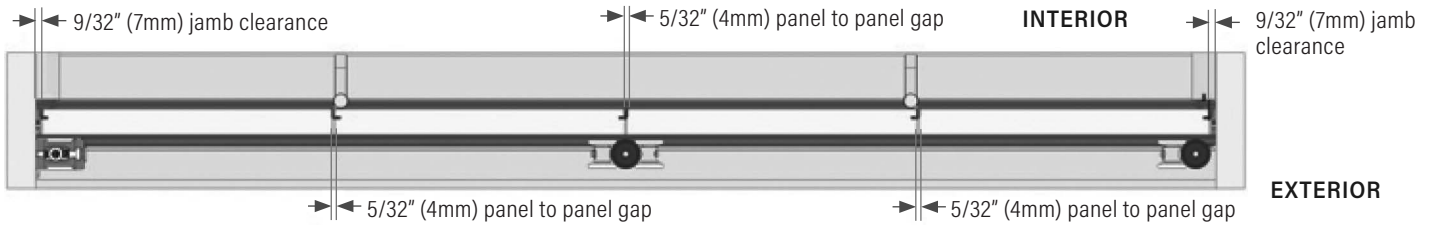
## Hardware

2 stock finishes available: Stainless steel & pvd bronze

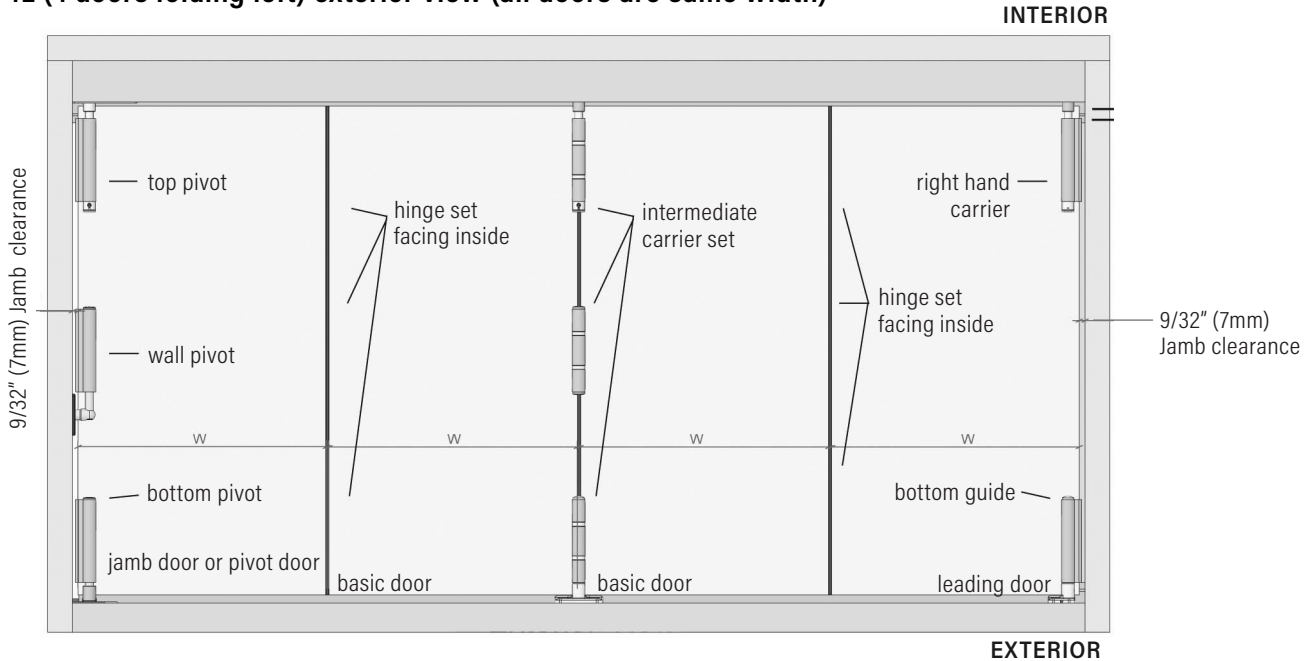


\*PVD brass (TG) finish is custom order, call for manufacturing time.

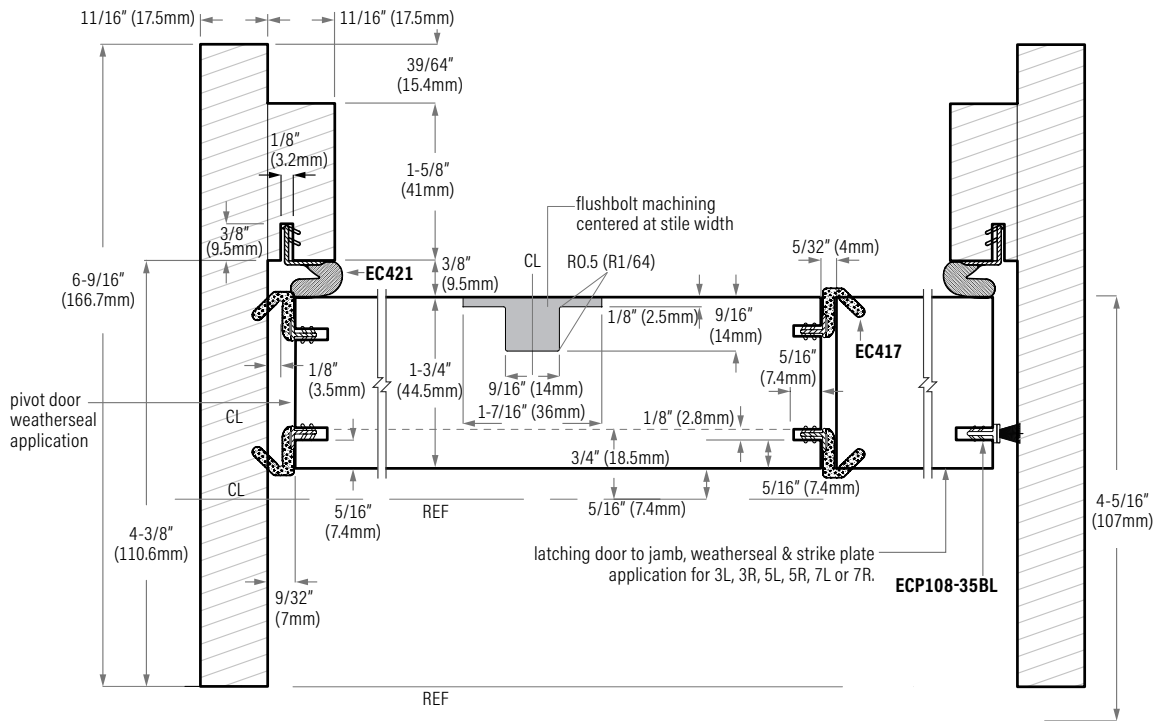
Outswing application



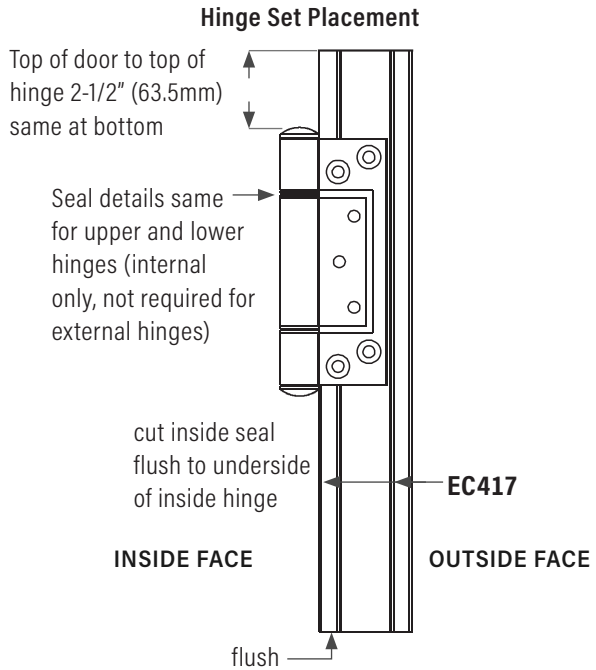
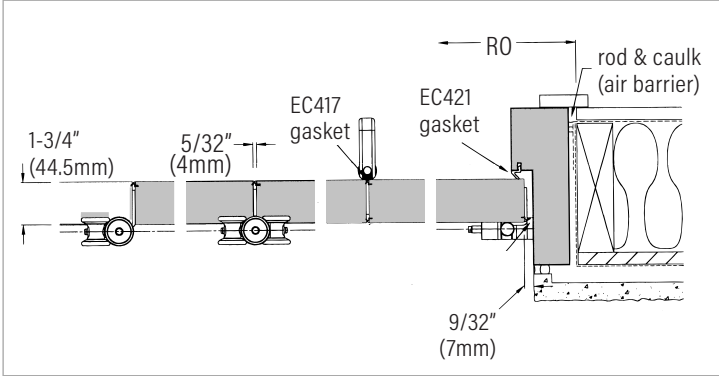
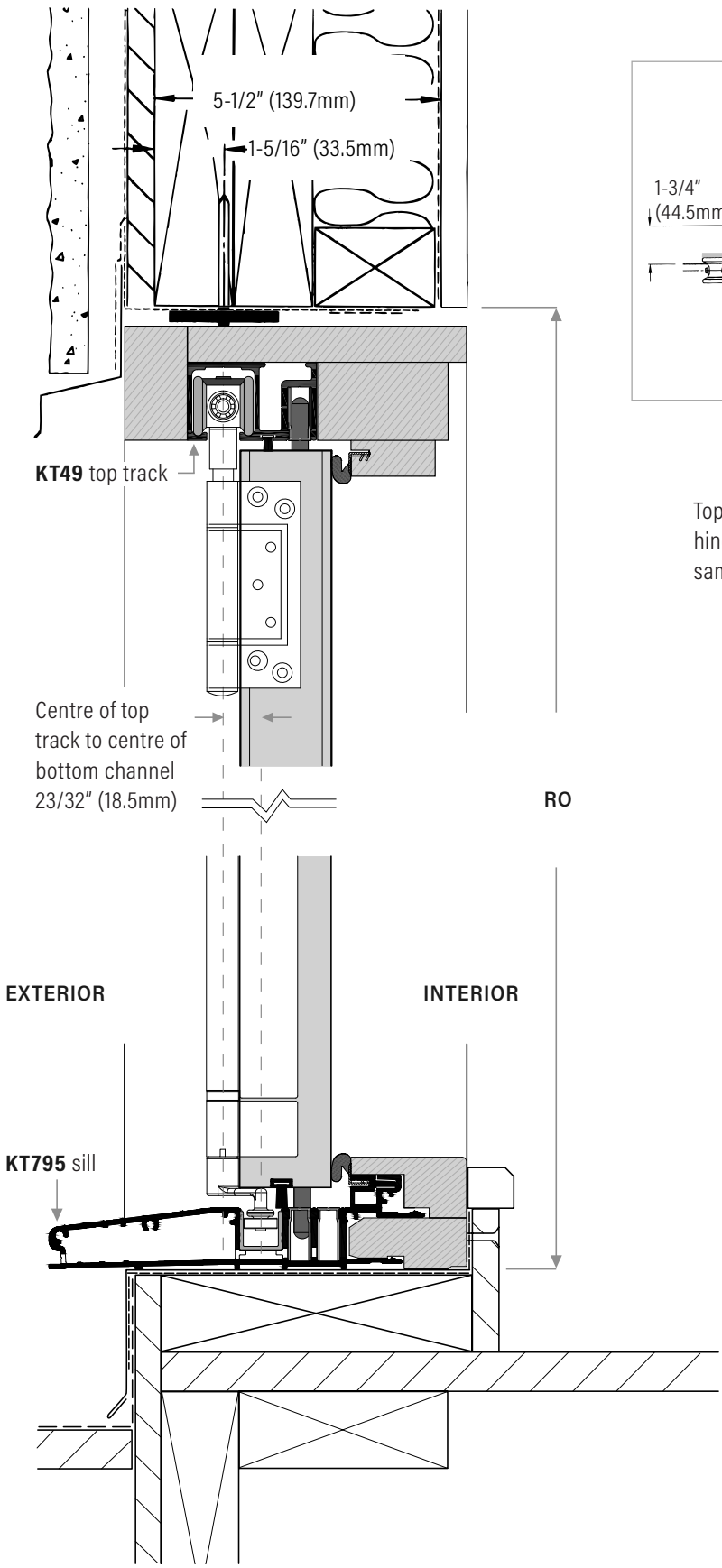
4L (4 doors folding left) exterior view (all doors are same width)



EC417 & ECP108-35BL weatherseal detail for 1-3/4" (44.5mm) door



**KTE3HGASKET**  
Adhesive black gasket for optimum sealing performance around all hinge flaps.  
**Gasket compatible with E2 & E3 hinges.**





# E2 Hardware List For Door Configurations

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

From left to right

<b>2L</b>		This configuration accessible from exterior when using new Gen 2 Twinpoint keyed lock.	1x KTE2CPS pivot set 1x KTE2CRCS right carrier set 1x KTE2HS hinge set 2x KTDB non-keyed flushbolt
<b>2L1R</b>			2x KTE2CPS pivot set 1x KTE2CRCS right carrier set 1x KTE2HS hinge set 2x KTDB non-keyed flushbolt
<b>3L</b>			1x KTE2CPS pivot set 1x KTE2CICS intermediate carrier set 1x KTE2HHS half offset hinge set 2x KTDB non-keyed flushbolt
<b>3L1R</b>			2x KTE2CPS pivot set 1x KTE2CICS intermediate carrier set 1x KTE2HHS half offset hinge set 4x KTDB non-keyed flushbolt
<b>4L</b>		This configuration accessible from exterior when using new Gen 2 Twinpoint keyed lock.	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
<b>4L1R</b>			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
<b>3L2R</b>			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
<b>5L</b>			1x KTE2CPS pivot set 2x KTE2CICS intermediate carrier set 1x KTE2HS hinge set 1x KTE2HHS half offset hinge set 4x KTDB non-keyed flushbolt
<b>3L3R</b>			2x KTE2CPS pivot set 2x KTE2CICS intermediate carrier set 2x KTE2HHS half offset hinge set 6x KTDB non-keyed flushbolt
<b>7L</b>			1x KTE2CPS pivot set 3x KTE2CICS intermediate carrier set 2x KTE2HS hinge set 1x KTE2HHS half offset hinge set 6x KTDB non-keyed flushbolt
<b>4L3R</b>			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
<b>5L2R</b>			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
<b>5L3R</b>			2x KTE2CPS pivot set 3x KTE2CICS intermediate carrier set 1x KTE2HS hinge set 2x KTE2HHS half offset hinge set 8x KTDB non-keyed flushbolt
<b>6L</b>		This configuration accessible from exterior when using new Gen 2 Twinpoint keyed lock	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

### 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

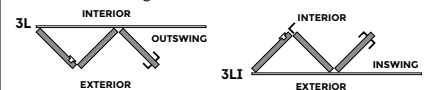
	passage set lock by other
	flushbolts top & bottom
	twinpoint option to fb
	astragal
	door hold

### Floating Door Pairs

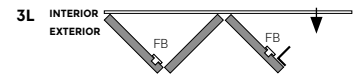
INTERIOR	
EXTERIOR	
Per pair of doors:	
1x KTE2CLCS left carrier set	
1x KTE2CRCS right carrier set	
1x KTE2HS hinge set	
2x KTDB non-keyed flushbolt	

### How To Determine Swing Of Systems

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

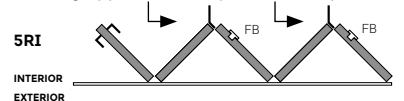


outswing application "D" pull handle option



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.

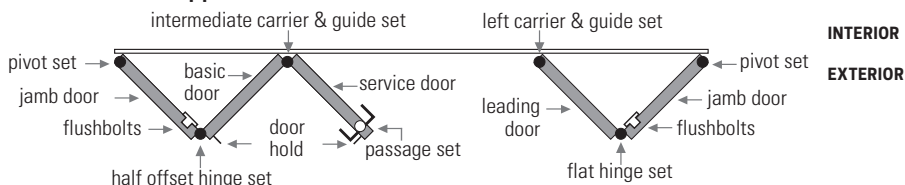
# E2 Hardware List For Door Configurations

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

From left to right

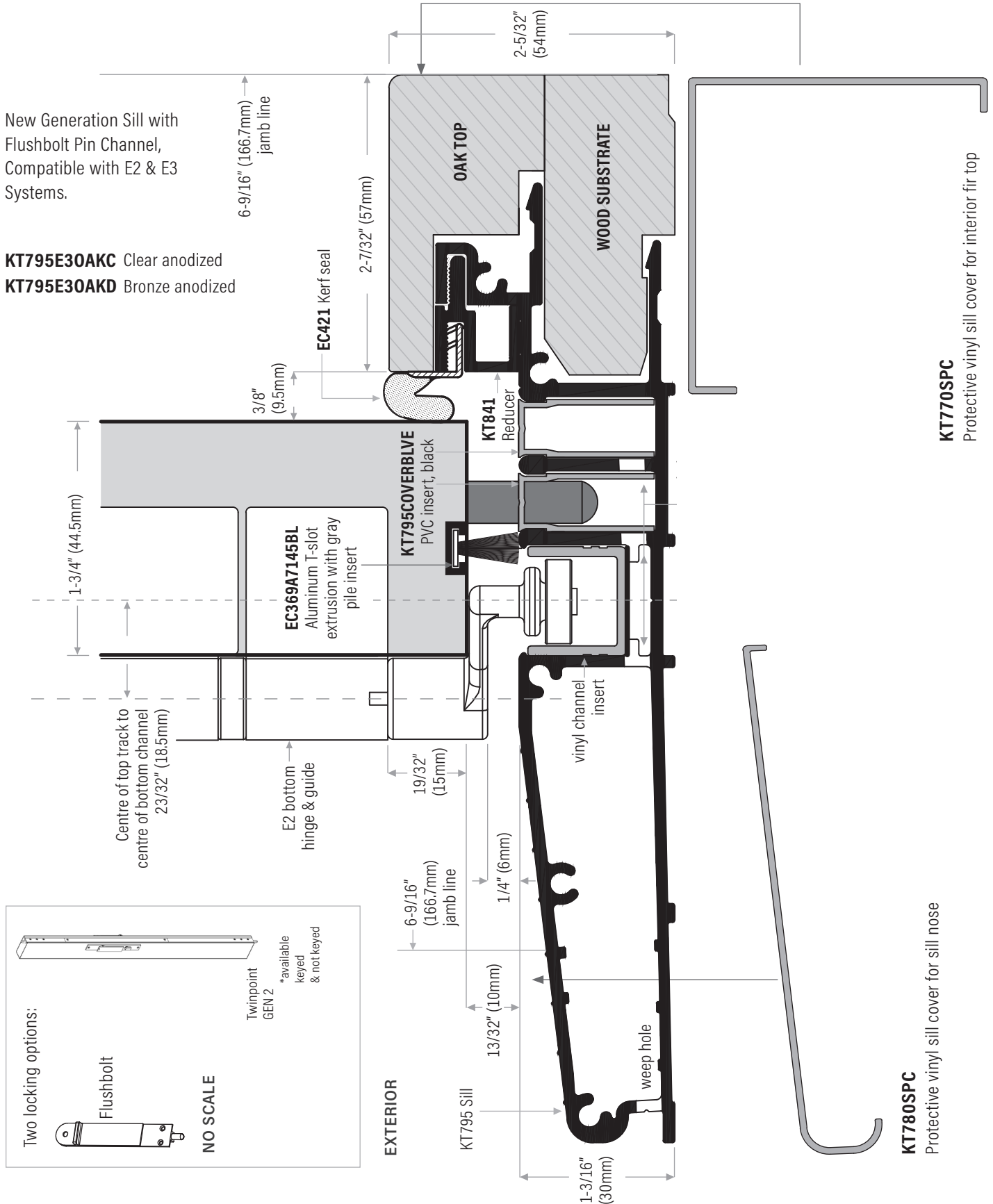
<b>2R</b>	INTERIOR EXTERIOR		This configuration accessible from exterior when using new Gen 2 Twinpoint keyed lock.	1x KTE2CPS pivot set 1x KTE2CLCS left carrier set 1x KTE2HS hinge set 2x KTDB non-keyed flushbolt	<p><b>Hardware Legend</b></p> <ul style="list-style-type: none"> <li>PS Pivot set</li> <li>WPS Wall pivot set</li> <li>MCS Meeting carrier set</li> <li>ICS Intermediate carrier set</li> <li>LCS Left carrier set</li> <li>RCS Right carrier set</li> <li>HHS Half offset hinge set</li> <li>HS Hinge set (flat)</li> <li>FB Flushbolt</li> <li>ESP Extended strike plate</li> <li>DH Door hold</li> <li>MAG Magnet</li> <li>TP Twinpoint</li> </ul> <p><b>Legend</b></p> <ul style="list-style-type: none"> <li>Passage Set</li> <li>Lock by Other</li> </ul> <p><b>Flushbolts Top &amp; Bottom</b></p> <p><b>Twinpoint Option to FB</b></p> <p><b>Astragal</b></p> <p><b>Door Hold</b></p> <p><b>Floating Door Pairs</b></p> <p>INTERIOR</p> <p>EXTERIOR</p> <p>Per pair of doors: 1x KTE2CLCS left carrier set 1x KTE2CRCS right carrier set 1x KTE2HS hinge set 2x KTDB non-keyed flushbolt</p>
<b>1L2R</b>	INTERIOR EXTERIOR			2x KTE2CPS pivot set 1x KTE2CLCS left carrier set 1x KTE2HS hinge set 2x KTDB non-keyed flushbolt	
<b>3R</b>	INTERIOR EXTERIOR			1x KTE2CPS pivot set 1x KTE2CICS intermediate carrier set 1x KTE2HHS half offset hinge set 2x KTDB non-keyed flushbolt	
<b>1L3R</b>	INTERIOR EXTERIOR			2x KTE2CPS pivot set 1x KTE2CICS intermediate carrier set 1x KTE2HHS half offset hinge set 4x KTDB non-keyed flushbolt	
<b>2L2R</b>	INTERIOR EXTERIOR		This configuration accessible from exterior when using new Gen 2 Twinpoint keyed lock.	2x KTE2CPS pivot set 1x KTE2CMCS meeting carrier set 2x KTE2HS hinge set 4x KTDB non-keyed flushbolt	
<b>1L4R</b>	INTERIOR EXTERIOR			2x KTE2CPS pivot set 1x KTE2CICS intermediate carrier set 1x KTE2CLCS left carrier set 2x KTE2HHS half offset hinge set 2x KTDB non-keyed flushbolt	
<b>4R</b>	INTERIOR EXTERIOR		This configuration accessible from exterior when using new Gen 2 Twinpoint keyed lock.	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	
<b>2L3R</b>	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	
<b>5R</b>	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	
<b>3L4R</b>	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	
<b>7R</b>	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	
<b>2L5R</b>	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	
<b>8R</b>	INTERIOR EXTERIOR		This configuration accessible from exterior when using new Gen 2 Twinpoint keyed lock.	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	

### 3L2R Hardware Application



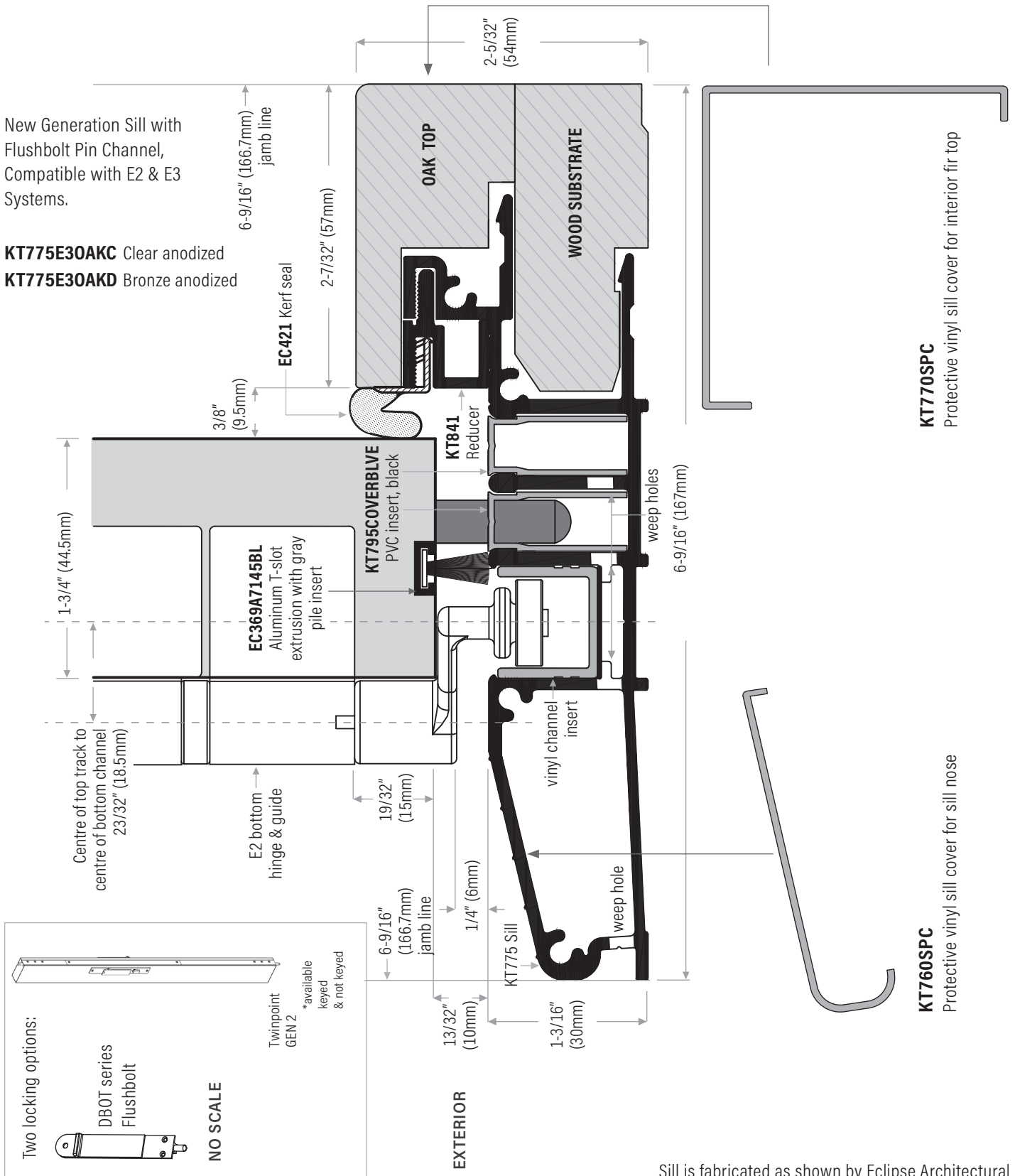
# KT795 (8") Outswing Sill System For 1-3/4" (44.5mm) Door Thickness

Extrusion Alloy 6063 T5. Actual full sill width: 8" (203mm) channel sill for flushbolt or twinpoint



# KT775 (6-9/16") Outswing Sill System For 1-3/4" Door Thickness

Extrusion Alloy 6063 T5. Actual full sill width: 6-9/16" (166.7mm) channel sill for flushbolt or twinpoint



# E2™ Jamb For 1-3/4" (44.5mm) Door Thickness

Exterior E2 Folding Door, Outswing Application.  
Sill is fabricated as shown by Eclipse Architectural

**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)

**Flushbolt machining depth:**

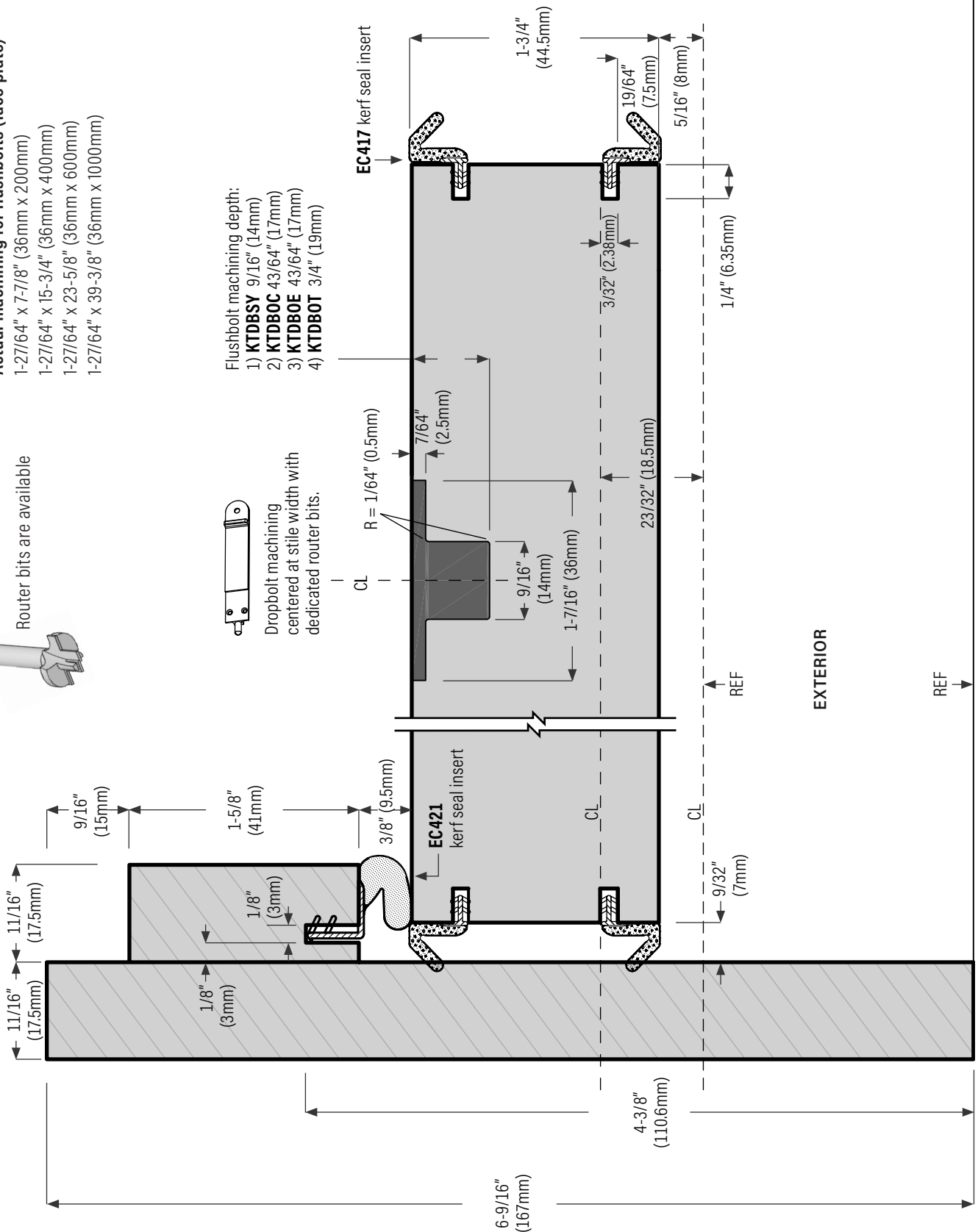
- 1) **KTDBSY** 9/16" (14mm)
- 2) **KTDBOC** 43/64" (17mm)
- 3) **KTDBOE** 43/64" (17mm)
- 4) **KTDBOT** 3/4" (19mm)



Dropbolt machining centered at stile width with dedicated router bits.



Router bits are available





# KT49 Top Track for E2™ Header & 1-3/4" (44.5mm) Door Thickness

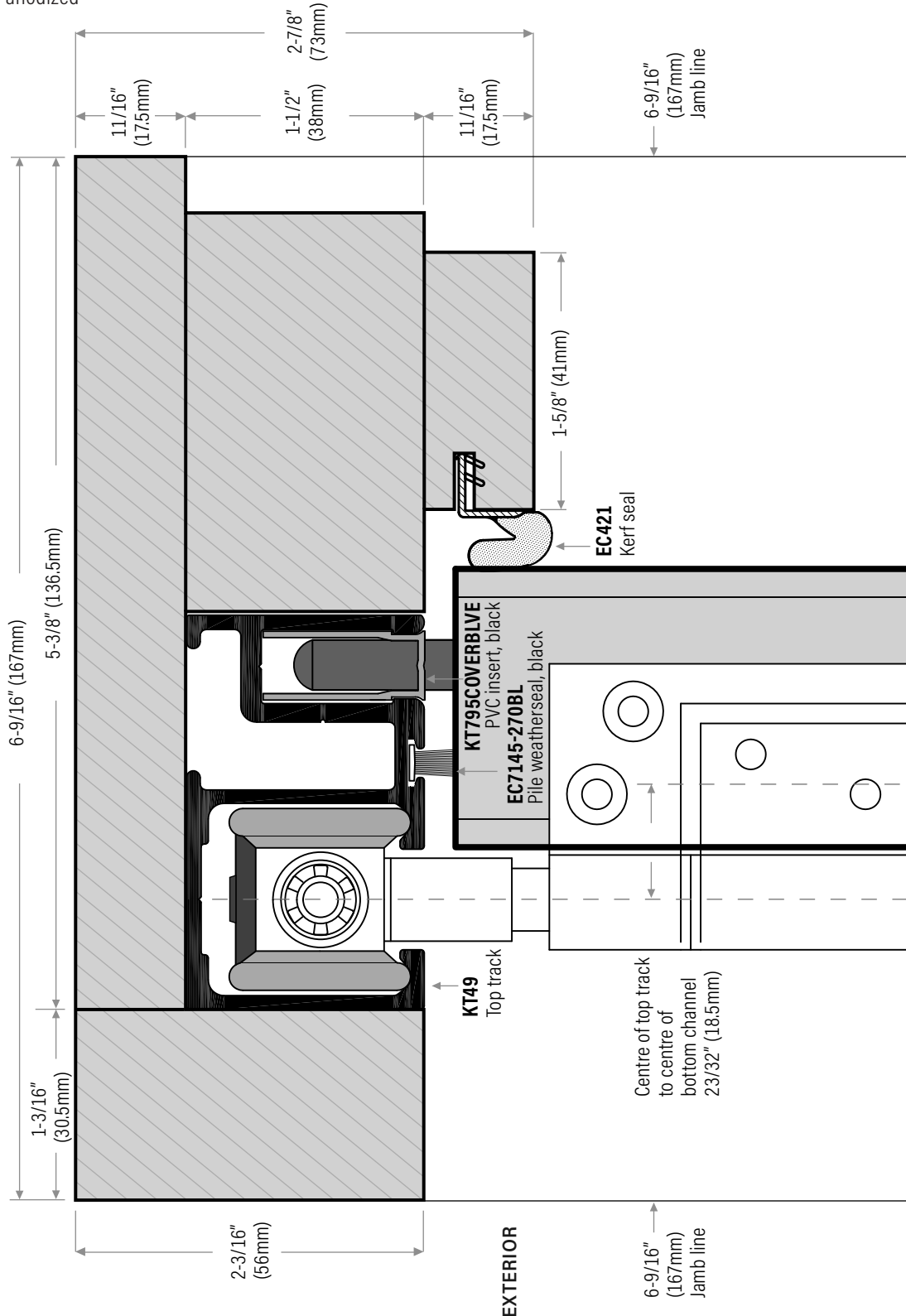
Exterior E2 folding door, EC49 outswing application only.

Channel top track for flushbolt or twinpoint.

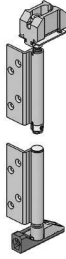
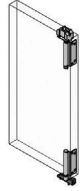
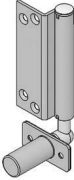
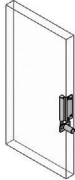
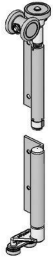

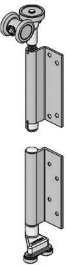

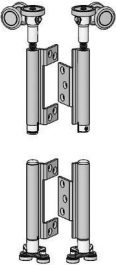
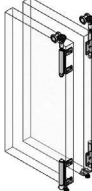
New Generation Top Track with Flushbolt Pin Channel.

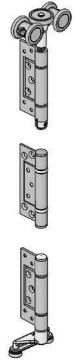

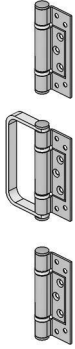

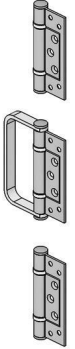
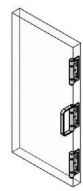
**KT49C** Clear anodized

**KT49D** Bronze anodized



## E2 Hardware Selection

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

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



## E2i™ System For Interior Folding Doors

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.

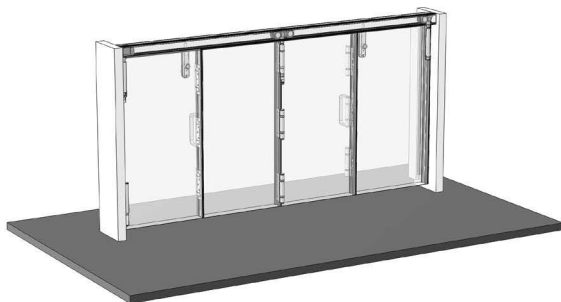
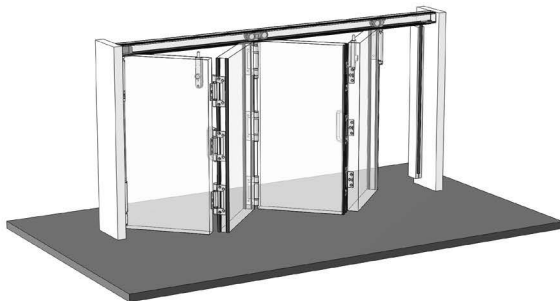
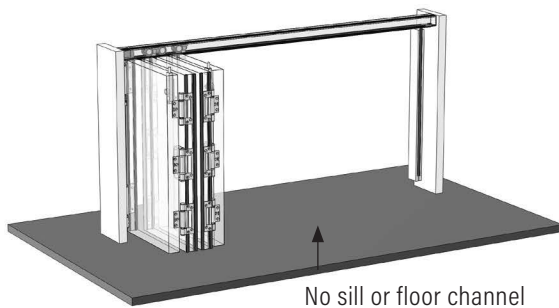
### In A Single Direction

max opening:	26' (7.9m)
max panel weight:	90lb (40kg) per panel
max panel height:	118" (2998mm)
max panel width:	39" (991mm)
min panel thickness:	1-3/8" (35mm)
max number of panels:	8 (4 each direction)

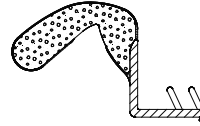
## E2i Specifications

### E2i features include:

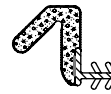
- » Laterally adjustable bottom pivot
- » All stainless steel construction
- » No need for costly tile and concrete cutting
- » Complete horizontal and vertical adjustment



### Weathersealing (optional)



**EC421** Weatherseal for sill, jamb and header.  
Black, brown or white



**EC417** Weatherseal for between doors.  
Black or brown.



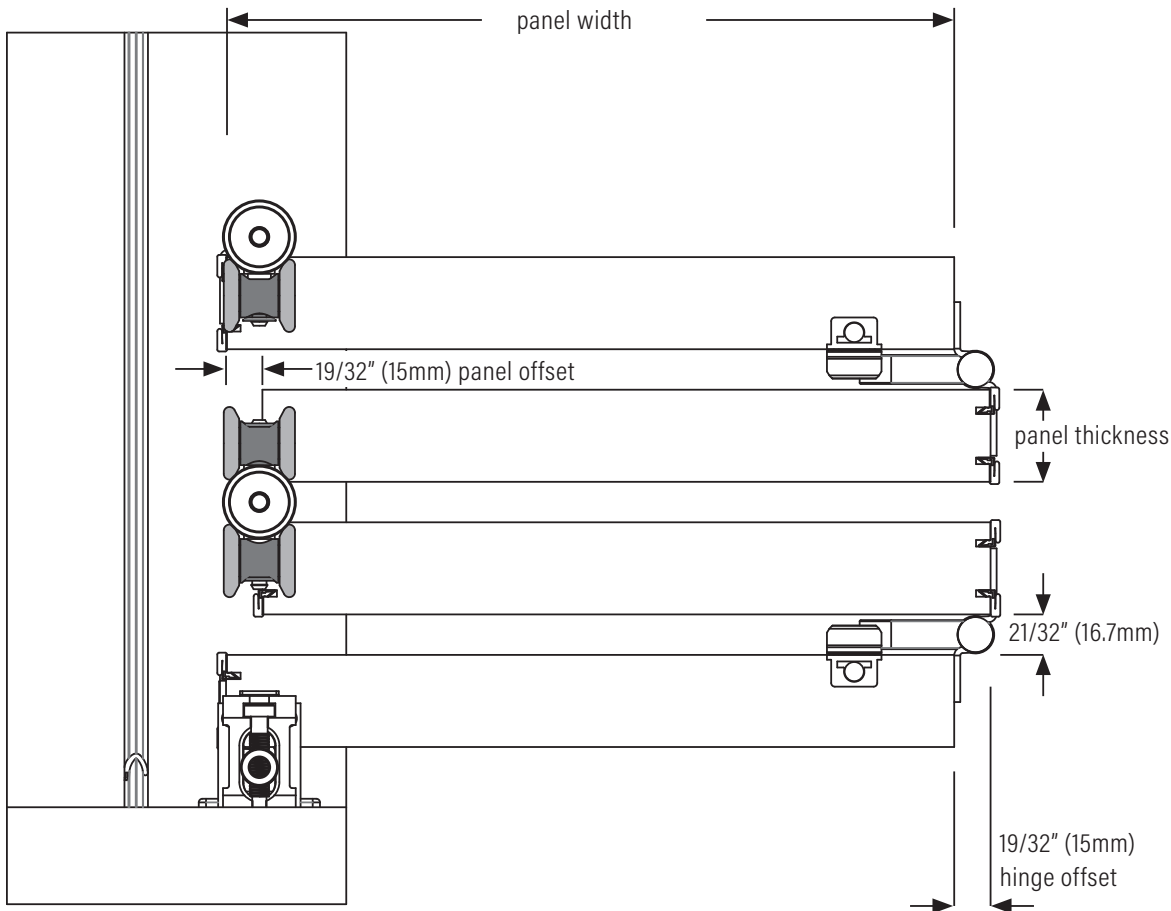
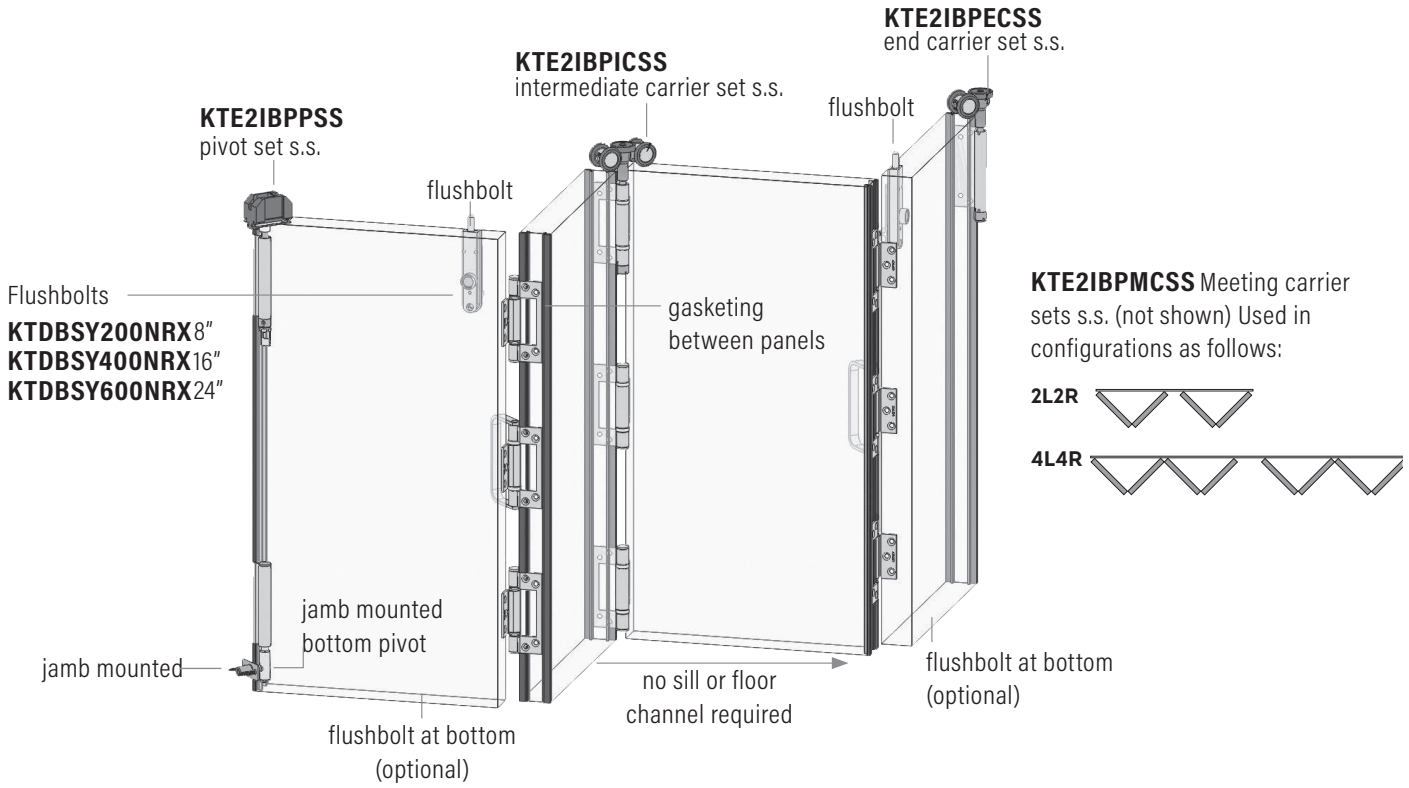
**EC369A7145BL** Aluminum T-slot extrusion  
with black pile insert, for bottom of doors



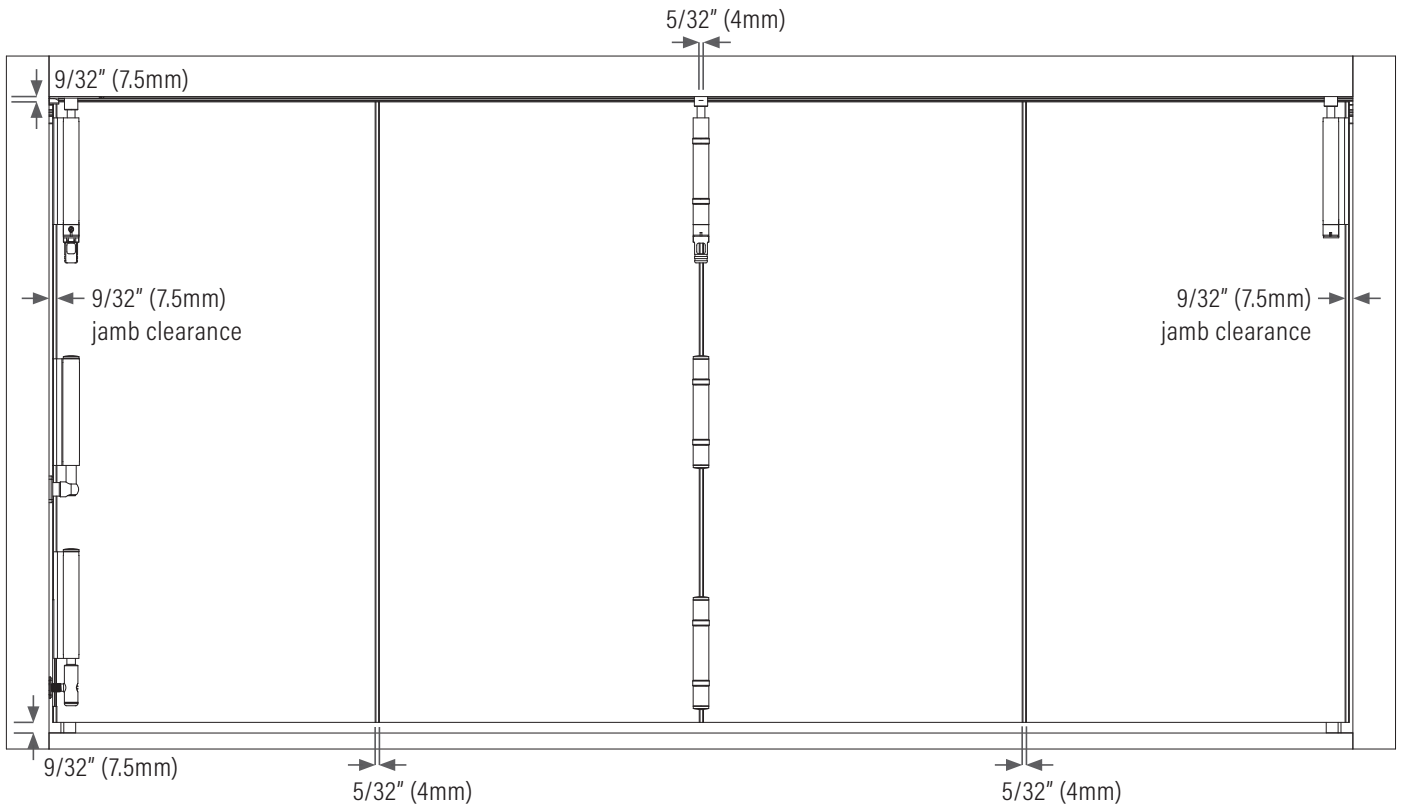
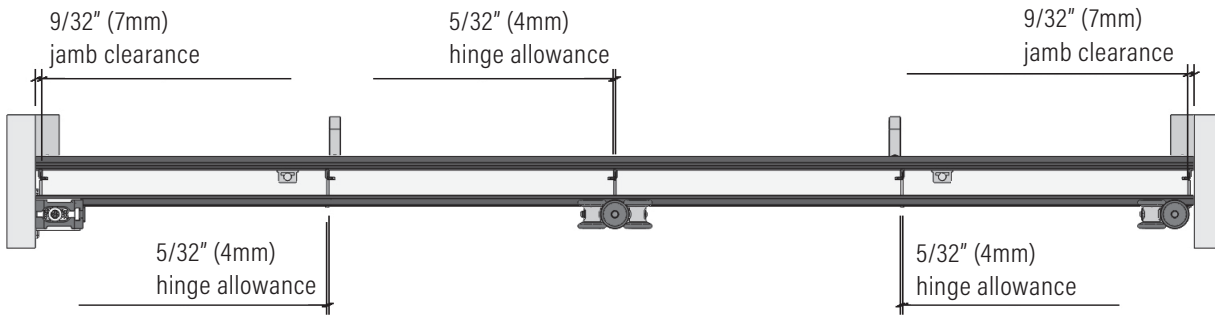
**EC415BL** Black  
weatherseal for between doors, use on clad doors  
where kerf slot is not possible



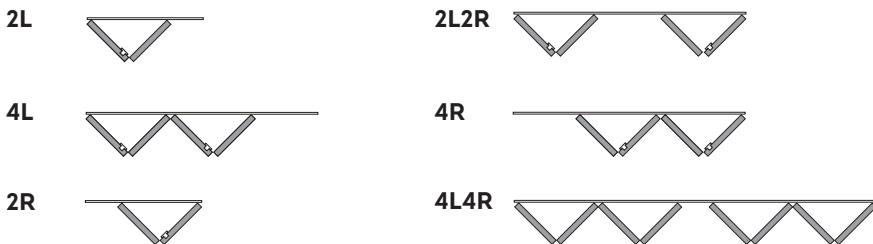
# E2i Top View



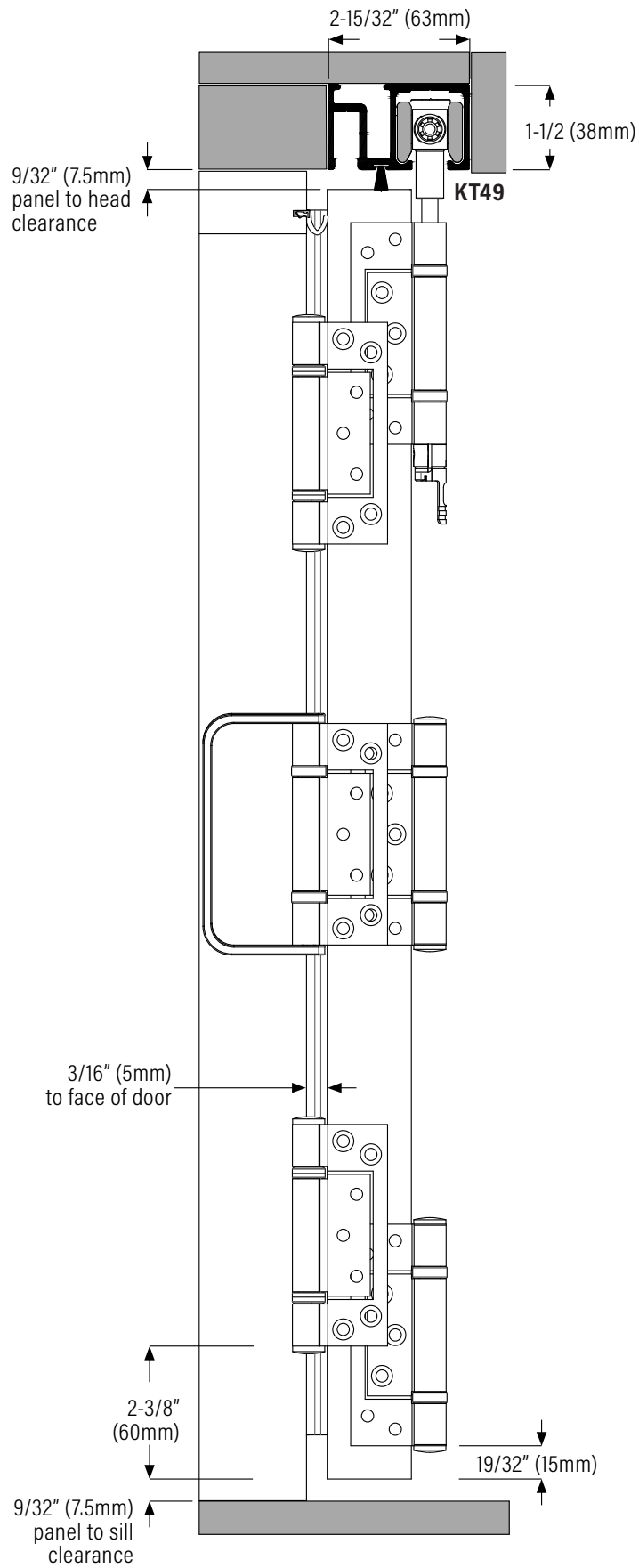
Only one finish available for the KTE2i Hinges: Brushed Stainless Steel



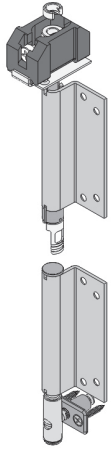
E2i only available for the following configurations



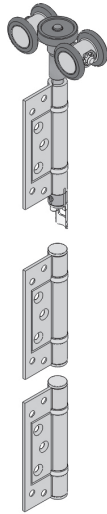
# E2i Cross Section



**KTE2IBPPSS**  
Pivot set, brushed stainless steel



**KTE2IBPICSS**  
Intermediate carrier set, brushed stainless steel



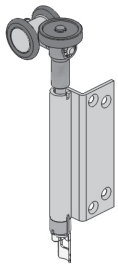
**KTE2HSS**  
Hinge set (flat), brushed stainless steel



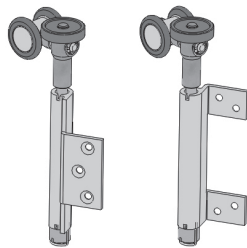
**KTE22HSS**  
Hinge set (offset), brushed stainless steel



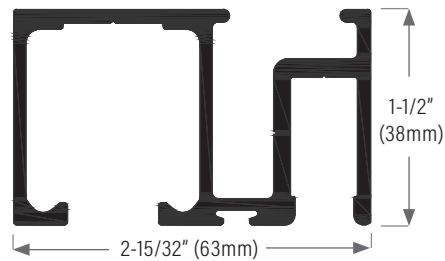
**KTE2IBPKTSS**  
End carrier set, brushed stainless steel



**KTE2IBPMCSS**  
Meeting carrier set, brushed stainless steel



## Top Track with flushbolt pin channel



**KT49C** clear anodized  
**KT49D** bronze anodized  
Lengths available:  
111", 147", 183", 222" (2819mm, 3734mm, 4648mm, 5639mm)

## Flushbolts

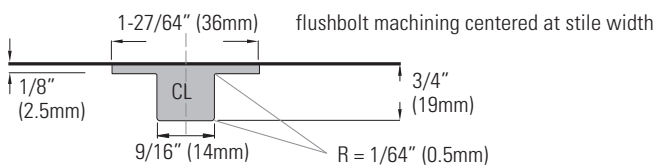
Round end, OT style 1" (25.4mm) throw length.

Finishes:

Bright gold to match pvd brass hardware

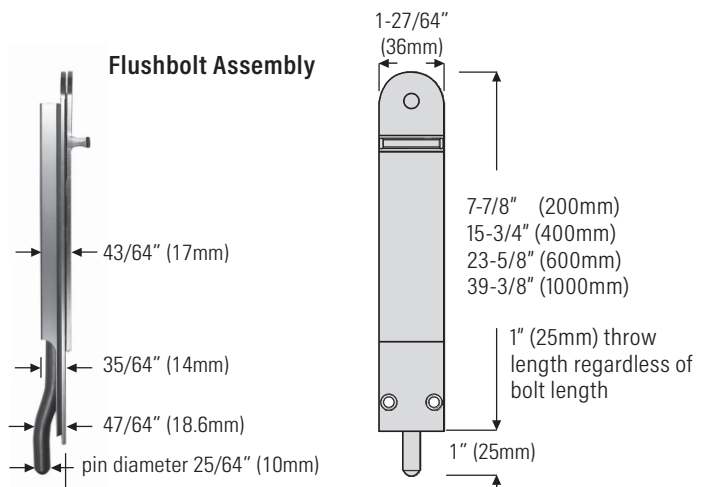
bronze powder coat on aluminum to match the pvd bronze hardware & brushed

metallic to match stainless steel hardware



### 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)



# Flushbolts For Outswing Folding Doors: DBOT Series

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

**Finishes:**

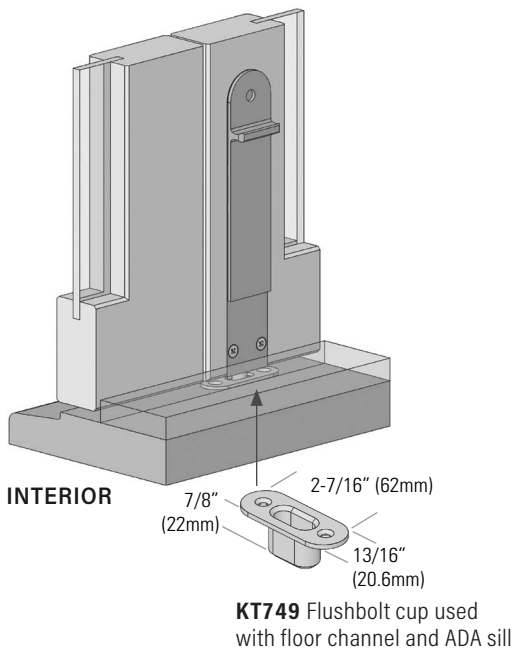
Bronze powder coat on aluminum to match pvd bronze finish on E3 hinges.  
 Brushed metallic on aluminum to match stainless steel finish on E3 hinges.  
 \*Bright gold (TG) finish on aluminum to match pvd brass finish on E3 hinges.

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

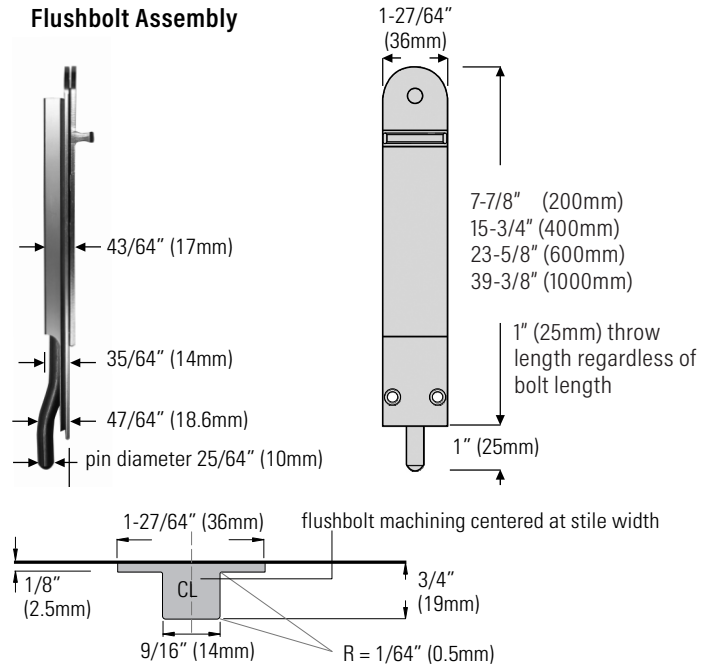
The flush-mounted flushbolts, rounded style and 1" (25mm) throw are designed for use with sliding and folding doors. This flushbolt will resist high winds and is rated to resist a 250kg load in Western Red Cedar and 450kg in Amoora. The bolts are easily installed with a dedicated router bit and are available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



**Architectural Detail**



**Flushbolt Assembly**

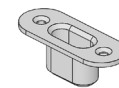


**Actual machining for flushbolts (face plate)**

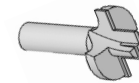
- 1-27/64" x 7-7/8" (36mm x 200mm)
- 1-27/64" x 15-3/4" (36mm x 400mm)
- 1-27/64" x 23-5/8" (36mm x 600mm)
- 1-27/64" x 39-3/8" (36mm x 1000mm)

SELECT FINISH	PRODUCT NUMBER	DESCRIPTION
bronze powder coat finish on aluminum	<b>KTDBOT200NRQ</b>	8" (200mm) 1" throw, round end
	<b>KTDBOT400NRQ</b>	16" (400mm) 1" throw, round end
	<b>KTDBOT600NRQ</b>	24" (600mm) 1" throw, round end
	<b>KTDBOT1000NRQ</b>	39" (1000mm) 1" throw, round end
brushed metallic finish on aluminum to match stainless steel	<b>KTDBOT200NRX</b>	8" (200mm) 1" throw, round end
	<b>KTDBOT400NRX</b>	16" (400mm) 1" throw, round end
	<b>KTDBOT600NRX</b>	24" (600mm) 1" throw, round end
	<b>KTDBOT1000NRX</b>	39" (1000mm) 1" throw, round end
bright gold finish on aluminum	* <b>KTDBOT200NRTG</b>	8" (200mm) 1" throw, round end
	* <b>KTDBOT400NRTG</b>	16" (400mm) 1" throw, round end
	* <b>KTDBOT600NRTG</b>	24" (600mm) 1" throw, round end

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



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 Outswing Folding Doors: DBSY Series

FLUSHBOLTS

**Max wind load:** 450kg (990lb) force  
**Min door thickness:** 1-3/4" (44.5mm)  
**Bolt lengths:** 8", 16", 24", 39" (200mm, 400mm, 600mm, 1000mm)

**Finishes:**

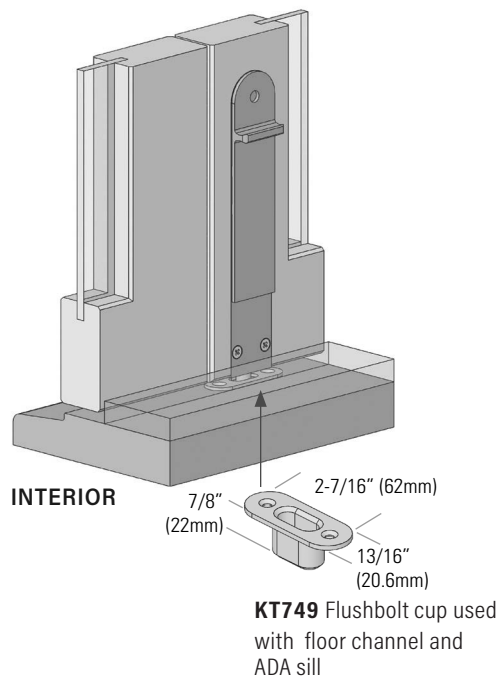
Bright gold to match pvd brass hardware  
 bronze powder coat on aluminum to match the pvd bronze hardware &  
 brushed metallic to match stainless steel hardware



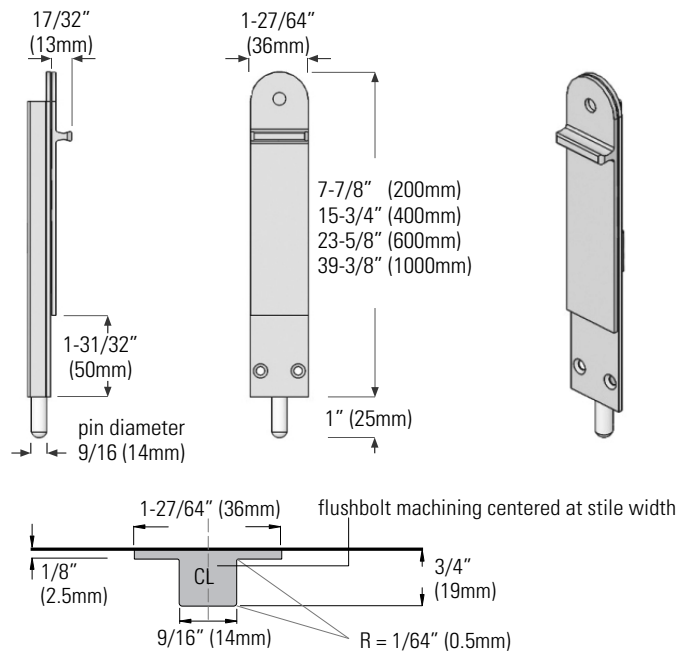
**Symphony™**

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.

**Architectural Detail**

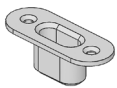


**Flushbolt Assembly (Machining Spec)**

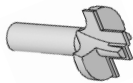


**Actual machining for flushbolts (face plate)**

- 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)



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

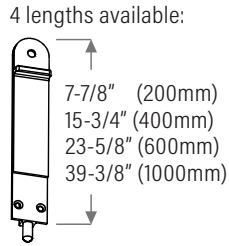
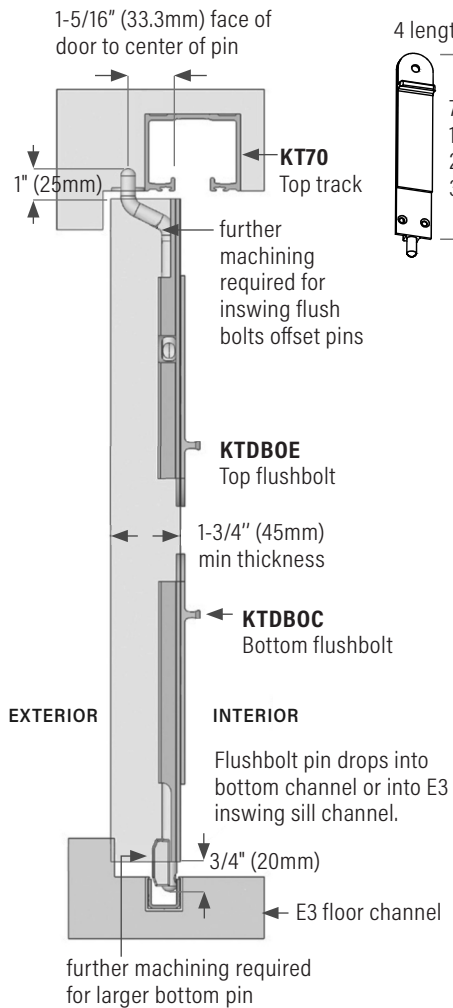
**PLEASE NOTE:** Flushbolt housing & slide bar are manufactured from aluminum components

SELECT FINISH	PRODUCT NUMBER	DESCRIPTION
powder coat finish bronze over aluminum	<b>KTDBSY200NRQ</b>	8" (200mm) 1" throw, round end
	<b>KTDBSY400NRQ</b>	16" (400mm) 1" throw, round end
	<b>KTDBSY600NRQ</b>	24" (600mm) 1" throw, round end
	<b>KTDBSY1000NRQ</b>	39" (1000mm) 1" throw, round end
brushed metallic finish over aluminum to match stainless steel	<b>KTDBSY200NRX</b>	8" (200mm) 1" throw, round end
	<b>KTDBSY400NRX</b>	16" (400mm) 1" throw, round end
	<b>KTDBSY600NRX</b>	24" (600mm) 1" throw, round end
	<b>KTDBSY1000NRX</b>	39" (1000mm) 1" throw, round end
bright gold finish over aluminum	<b>*KTDBSY200NRTG</b>	8" (200mm), 1" throw, round end
	<b>*KTDBSY400NRTG</b>	16" (400mm) 1" throw, round end
	<b>*KTDBSY600NRTG</b>	24" (600mm) 1" throw, round end

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

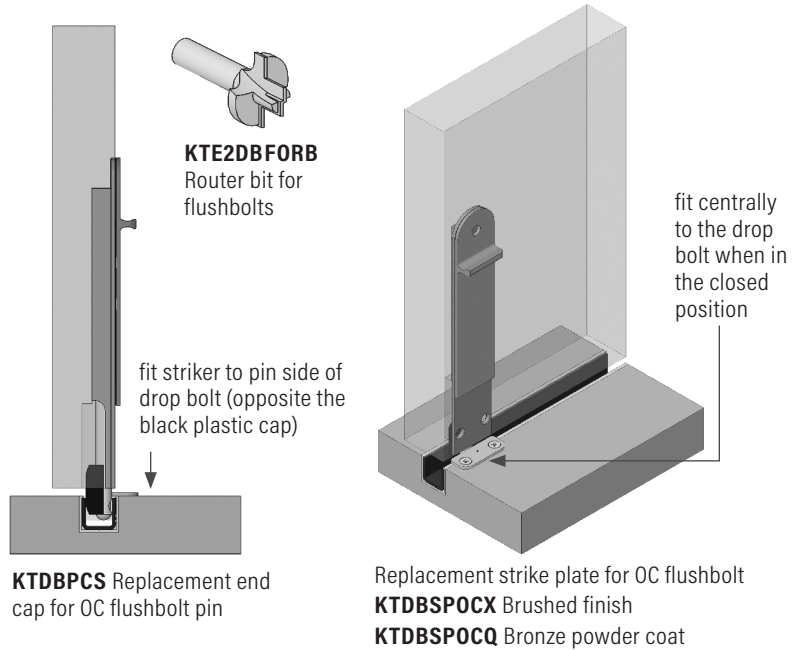


# Flushbolts For Inswing Folding Doors: DBOE & DBOC Series



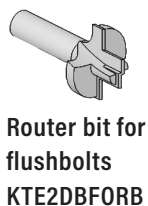
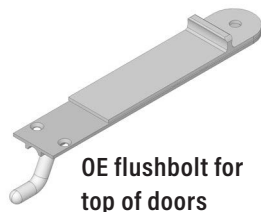
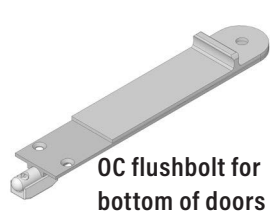
**Minimum door thickness:** 1-3/4" (44.5mm)  
**DBOC Throw length:** 3/4" (20mm) · **DBOE Throw length:** 1" (25mm)  
**Finishes:**  
 Bronze powder coat on aluminum to match pvd bronze finish on E3 hinges.  
 Brushed metallic on aluminum to match stainless steel finish on E3 hinges.  
 \*Bright gold (TG) finish on aluminum to match pvd brass finish on E3 hinges.  
**\*Bright gold (TG) finish is custom order, call for manufacturing time.**

## STRIKER FOR INSWING DOORS



### 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)



PRODUCT CODE	DESCRIPTION
KTDBOC200NRQ	8" (200mm) concealed 3/4" FB, throw
KTDBOE200NRQ	8" (200mm) 1" throw, round end
KTDBOE400NRQ	16" (400mm) 1" throw, round end
KTDBOE600NRQ	24" (600mm) 1" throw, round end
KTDBOE1000NR Q	39" (1000mm) 1" throw, round end
KTDBOC200NRX	8" (200mm) concealed FB, 3/4" throw
KTDBOE200NRX	8" (200mm) 1" throw, round end
KTDBOE400NRX	16" (400mm) 1" throw, round end
KTDBOE600NRX	24" (600mm) 1" throw, round end
KTDBOE1000NR X	39" (1000mm) 1" throw, round end
* KTDBOC200NRTG	8" (200mm) concealed FB, 3/4" throw
* KTDBOE200NRTG	8" (200mm) 1" throw, round end
* KTDBOE400NRTG	16" (400mm) 1" throw, round end
* KTDBOE600NRTG	24" (600mm) 1" throw, round end
* KTDBOE1000NRTG	39" (1000mm) 1" throw, round end

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

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

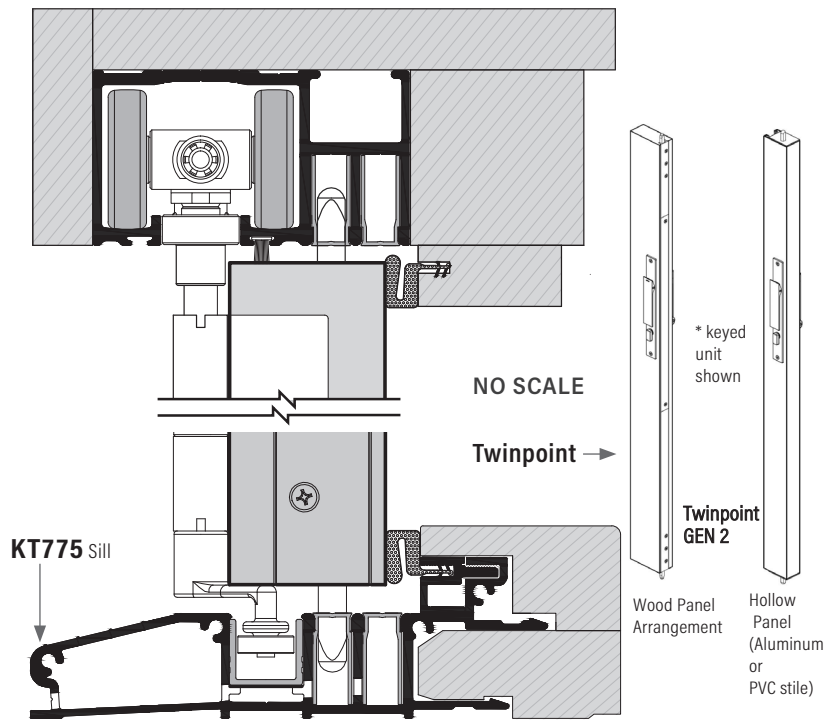
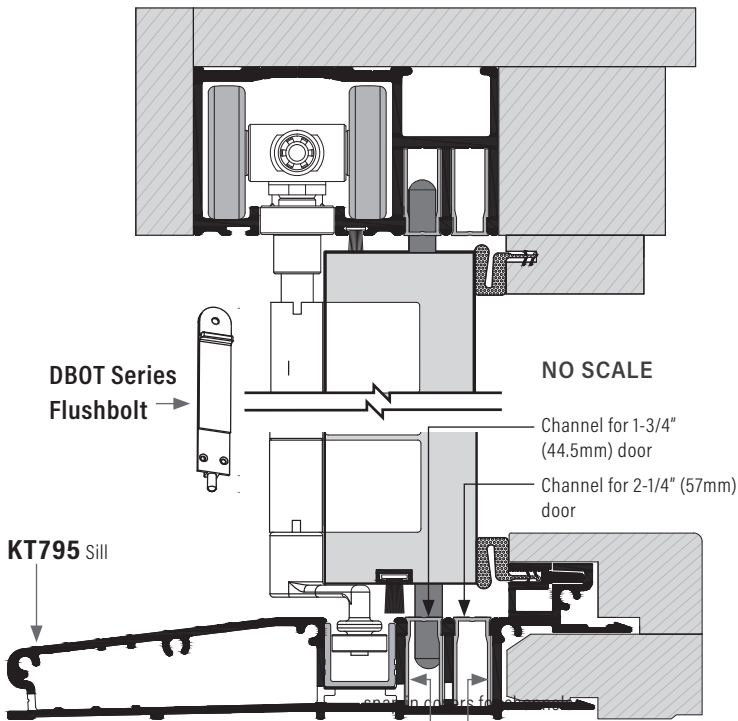
# E3 Sills with Two Locking Options

LOCKING OPTIONS

For 1-3/4" (44.5mm) or 2-1/4" (57mm) Door Thickness

Flushbolt

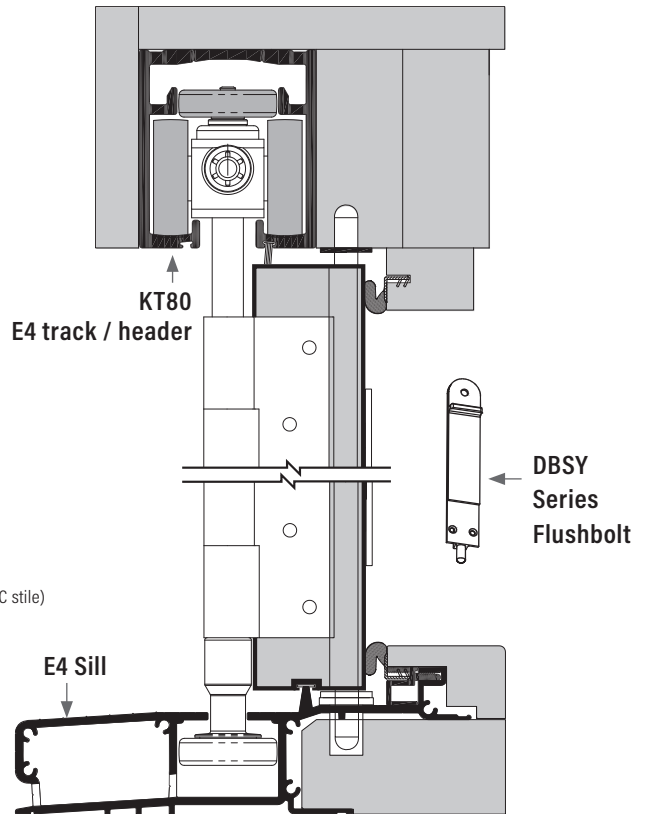
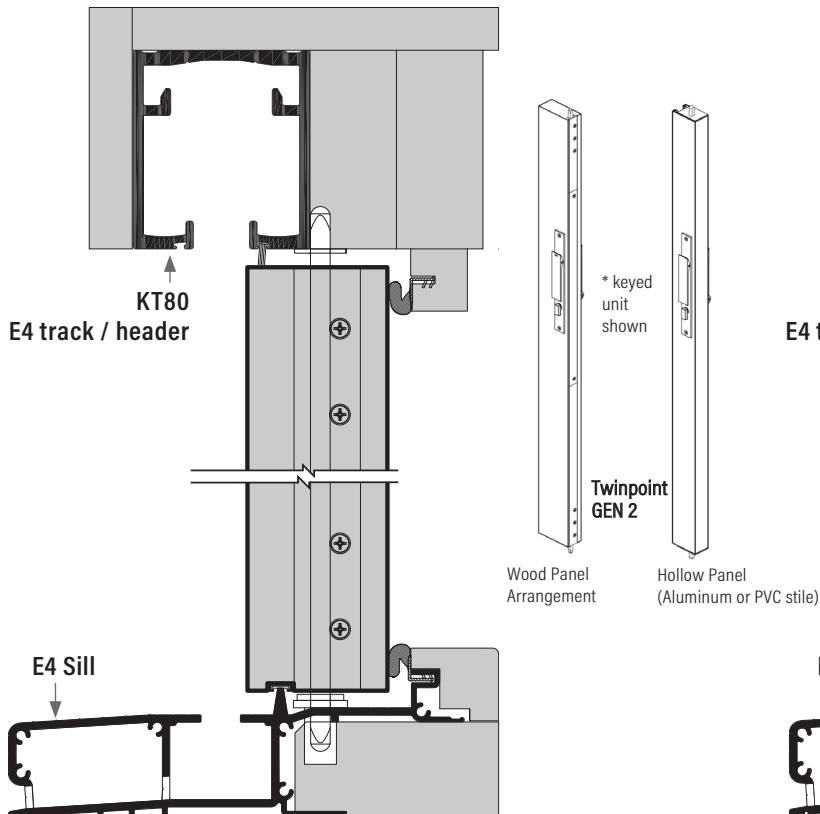
Twinpoint



# E4 Sill with Two Locking Options

Twinpoint (2-1/4" door thickness only)

DBSY Flushbolt for 1-3/4" or 2-1/4" door thickness





## E4™ System For Exterior Folding Doors

The Eclipse E4™ is a premier folding door system for larger folding doors. It has been designed for strength and is generously proportioned to meet the requirements of specifiers looking for folding solutions in medium to large residential and commercial applications. Stainless steel bearings in the pivots and carriers allow even the largest doors to be moved quietly and with fingertip ease between the open and closed positions.

### In A Single Direction

max panel weight:	350 lbs (160 kg)
max panel width:	51" (1300mm)
max panel height:	156" (3962mm)
panel thickness when using E4 sill system:	1-3/4" or 2-1/4" (44.45 or 57.15mm)
max # of panels when using E4 sill system:	8 each way
panel thickness when using floor channel:	1-3/4" to 3" (44.45 or 76.2mm)
max # of panels when using floor channel:	8 each way

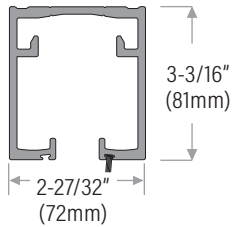
Eclipse E4™ is specified with 5 separate groups:

1. **Track**
2. **Sill**
3. **Weathersealing**
4. **Flushbolts**
5. **Hardware**

Components are required from all 5 groups to build a folding door system.



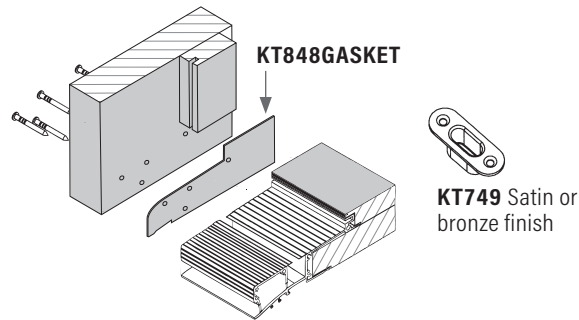
## Track



**KT80D** Top track, extruded aluminum bronze anodized.

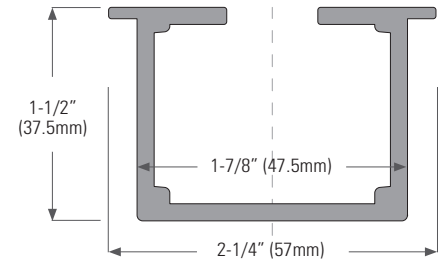
Lengths available:  
111", 147", 183", 222", 294"  
(2819mm, 3734mm, 4648mm, 5639mm, 7467mm)

## Sill System



**KT841** for 1-3/4" (44mm) door thickness or **KT941** for 2-1/4" (57mm) door thickness. Fir top water return sill, extruded aluminum bronze anodized. Lengths available: 111" (2.81m), 147" (3.73m), 183" (4.64m), 222" (5.63m), 294" (7.46m) Order flushbolt cups and sill assembly end gaskets separately.

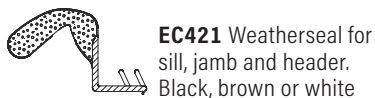
## Floor Channel



**KT18D** Floor channel, extruded aluminum bronze anodized.

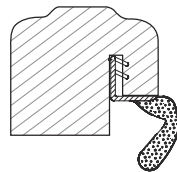
Lengths available:  
111", 147", 183", 222", 294" (2819mm, 3734mm, 4648mm, 5639mm, 7467mm)

## Weatherseals & Astragal



**EC421** Weatherseal for sill, jamb and header. Black, brown or white

**EC190** Fir astragal, may be stained or painted



**EC421** Kerf seal



**EC417** Weatherseal for between doors. Black or brown



**EC369A7145BL** Aluminum T-slot extrusion with black pile insert, for bottom of doors



**ECP108-35BL** Pile weatherseal for door with astragal, 5/16" (8mm) pile height, black



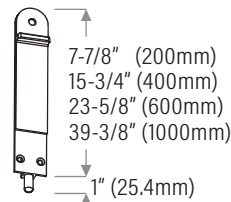
**EC415BL** Black weatherseal for between doors, use on clad doors where kerf slot is not possible



**EC7145-270BL** Pile weatherseal for EC70 & EC75 top track, black

## Flushbolts: DBSY Series DBOT Series

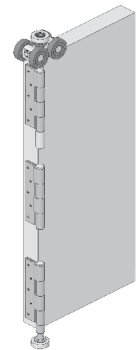
4 lengths available:



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

Finishes available: brushed aluminum or bronze powder coat.

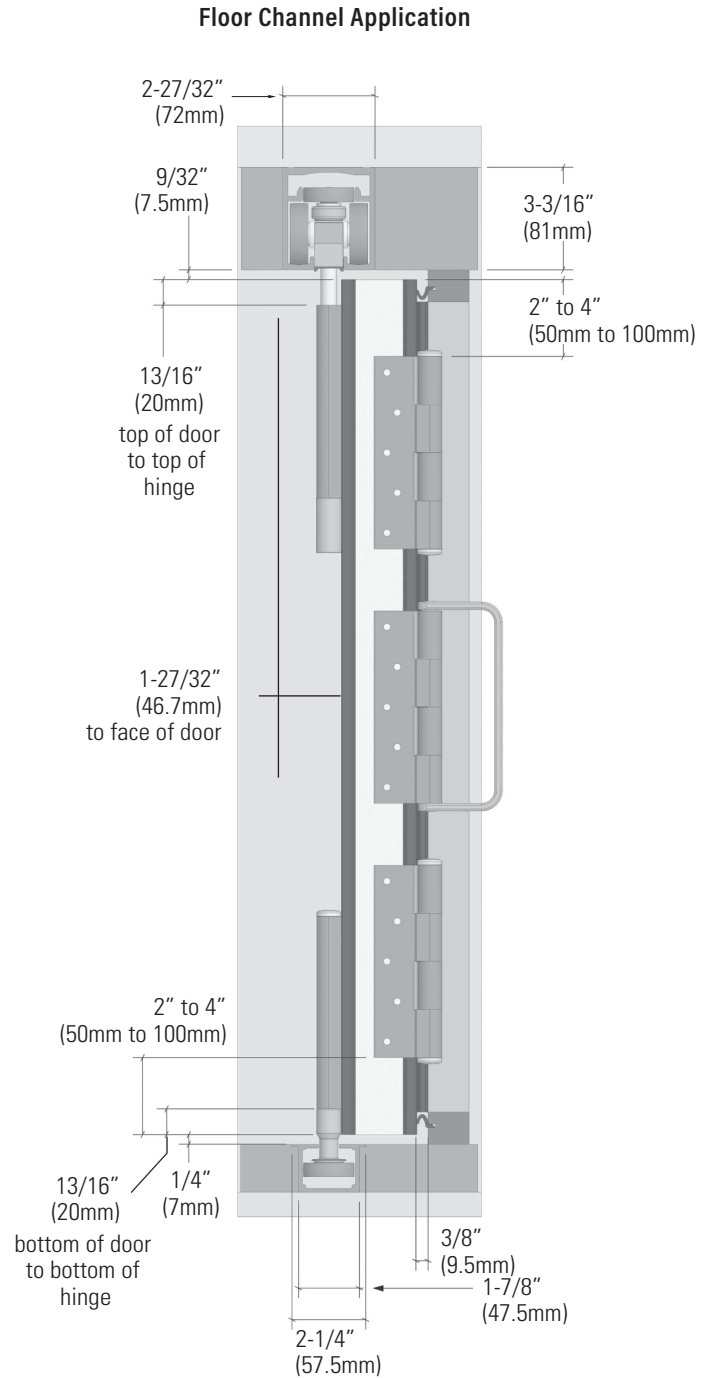
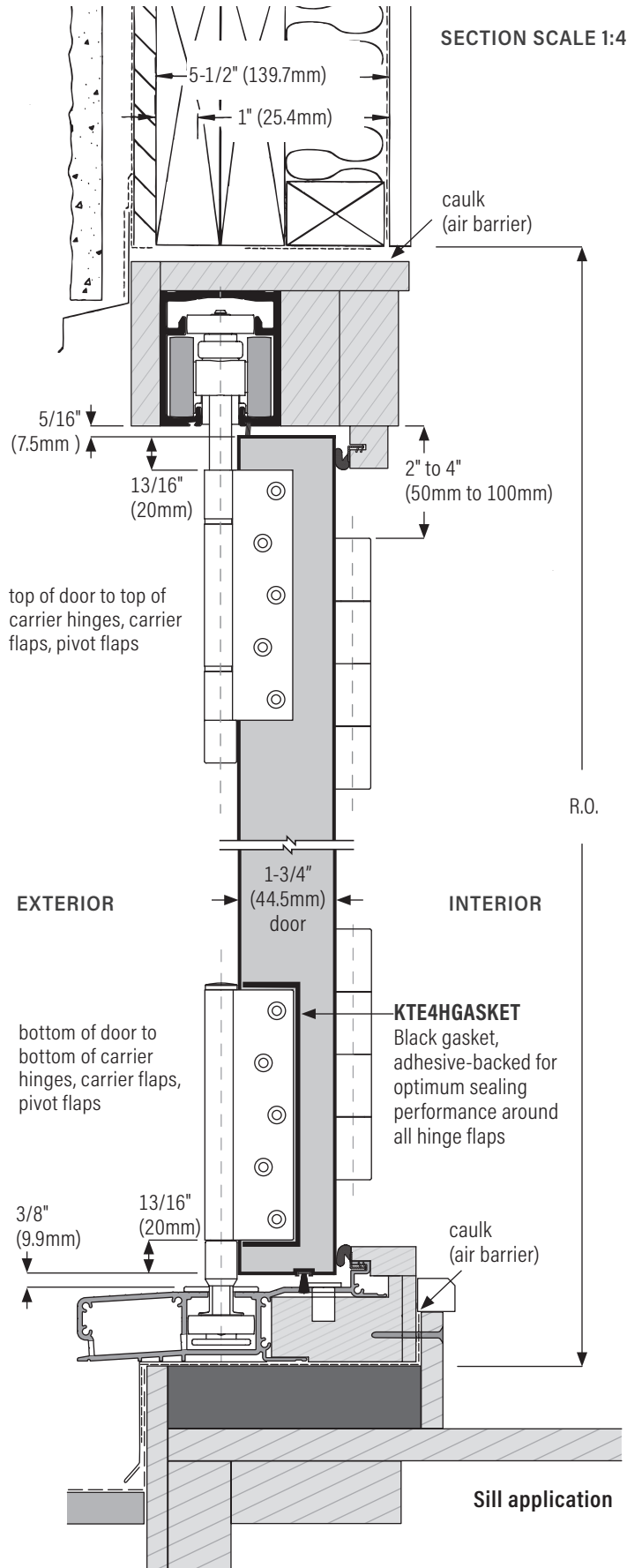
## Hardware



Finishes available: stainless steel (316) or PVD bronze over SS.



# E4 Architectural Detail







# E4 Parts Selection and Configurations

## Common Panel Layouts (Outswing)

CODE	OPENING CONFIGURATION	HARDWARE	Hardware Legend
<b>2L</b>	<p><b>INSIDE</b> WPS, PS</p> <p><b>OUTSIDE</b> OCS</p> <p>This configuration accessible from exterior when using new Gen 2 Twinpoint keyed lock.</p>	<p>1 x pivot set</p> <p>1 x offset carrier set</p> <p>1 x hinge set</p> <p>2 x flushbolt</p>	<p><b>PS</b> pivot set</p> <p><b>WPS</b> wall pivot set</p> <p><b>ICS</b> intermediate carrier set</p> <p><b>OCS</b> offset carrier set</p> <p><b>HS</b> hinge set (flat)</p> <p><b>HHS</b> half offset hinge set</p>
<b>2L1R</b>	<p><b>INSIDE</b> WPS, PS</p> <p><b>OUTSIDE</b> OCS WPS, PS</p>	<p>2 x pivot set</p> <p>1 x offset carrier set</p> <p>1 x hinge set</p> <p>2 x flushbolt</p>	
<b>3L</b>	<p><b>INSIDE</b> WPS, PS</p> <p><b>OUTSIDE</b> ICS</p>	<p>1 x pivot set</p> <p>1 x intermediate carrier set</p> <p>1 x half offset hinge set</p> <p>2 x flushbolt</p>	
<b>3L1R</b>	<p><b>INSIDE</b> WPS, PS</p> <p><b>OUTSIDE</b> ICS WPS, PS</p>	<p>2 x pivot set</p> <p>1 x intermediate carrier set</p> <p>1 x half offset hinge set</p> <p>4 x flushbolt</p>	
<b>4L</b>	<p><b>INSIDE</b> WPS, PS</p> <p><b>OUTSIDE</b> ICS OCS</p> <p>This configuration accessible from exterior when using new Gen 2 Twinpoint keyed lock.</p>	<p>1 x pivot set</p> <p>1 x intermediate carrier set</p> <p>1 x offset carrier set</p> <p>2 x half offset hinge set</p> <p>4 x flushbolt</p>	
<b>4L1R</b>	<p><b>INSIDE</b> WPS, PS</p> <p><b>OUTSIDE</b> ICS OCS WPS, PS</p>	<p>2 x pivot set</p> <p>1 x intermediate carrier set</p> <p>1 x offset carrier set</p> <p>2 x half offset hinge set</p> <p>4 x flushbolt</p>	
<b>3L2R</b>	<p><b>INSIDE</b> WPS, PS</p> <p><b>OUTSIDE</b> ICS OCS WPS, PS</p>	<p>2 x pivot set</p> <p>1 x intermediate carrier set</p> <p>1 x offset carrier set</p> <p>1 x hinge set</p> <p>1 x half offset hinge set</p> <p>4 x flushbolt</p>	
<b>5L</b>	<p><b>INSIDE</b> WPS, PS</p> <p><b>OUTSIDE</b> ICS ICS</p>	<p>1 x pivot set</p> <p>2 x intermediate carrier set</p> <p>1 x hinge set</p> <p>1 x half offset hinge set</p> <p>4 x flushbolt</p>	
<b>3L3R</b>	<p><b>INSIDE</b> WPS, PS</p> <p><b>OUTSIDE</b> ICS ICS WPS, PS</p>	<p>2 x pivot set</p> <p>2 x intermediate carrier set</p> <p>2 x half offset hinge set</p> <p>6 x flushbolt</p>	
<b>7L</b>	<p><b>INSIDE</b> WPS, PS</p> <p><b>OUTSIDE</b> ICS ICS ICS</p>	<p>1 x pivot set</p> <p>3 x intermediate carrier set</p> <p>2 x hinge set</p> <p>1 x half offset hinge set</p> <p>6 x flushbolt</p>	
<b>4L3R</b>	<p><b>INSIDE</b> WPS, PS</p> <p><b>OUTSIDE</b> ICS OCS ICS WPS, PS</p>	<p>2 x pivot set</p> <p>2 x intermediate carrier set</p> <p>1 x offset carrier set</p> <p>3 x half offset hinge set</p> <p>6 x flushbolt</p>	
<b>5L2R</b>	<p><b>INSIDE</b> WPS, PS</p> <p><b>OUTSIDE</b> ICS ICS OCS WPS, PS</p>	<p>2 x pivot set</p> <p>2 x intermediate carrier set</p> <p>1 x offset carrier set</p> <p>2 x hinge set</p> <p>1 x half offset hinge set</p> <p>6 x flushbolt</p>	
<b>5L3R</b>	<p><b>INSIDE</b> WPS, PS</p> <p><b>OUTSIDE</b> ICS ICS ICS WPS, PS</p>	<p>2 x pivot set</p> <p>3 x intermediate carrier set</p> <p>1 x hinge set</p> <p>2 x half offset hinge set</p> <p>8 x flushbolt</p>	

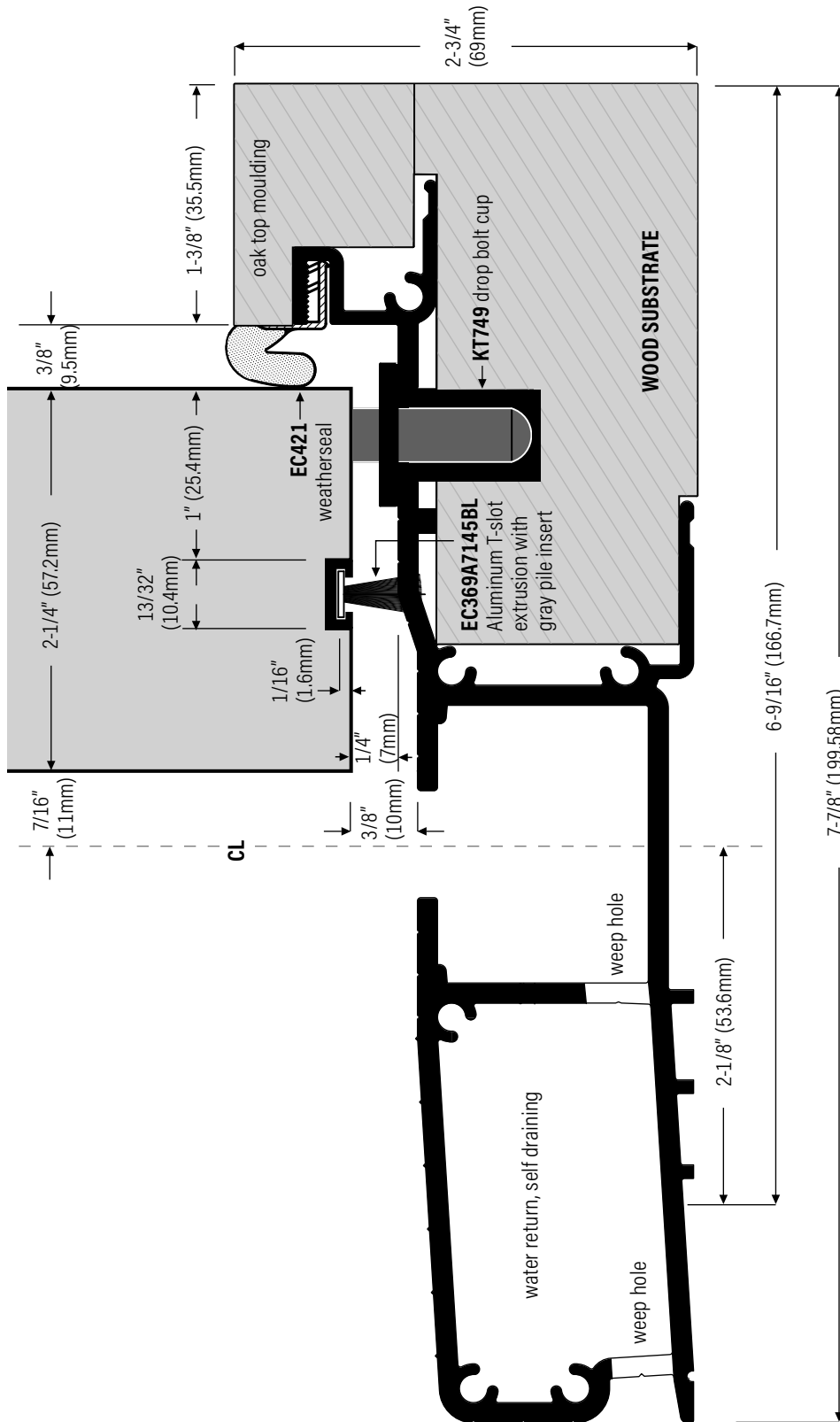
# E4 Parts Selection and Configurations

## Common Panel Layouts (Outswing)

CODE	OPENING CONFIGURATION	HARDWARE	Hardware Legend
<b>2R</b>	<p>INSIDE PS, WPS</p> <p>OUTSIDE OCS HS</p> <p>This configuration accessible from exterior when using new Gen 2 Twinpoint keyed lock.</p>	<p>1 x pivot set 1 x offset carrier set 1 x hinge set 2 x flushbolt</p>	<p><b>PS</b> pivot set</p> <hr/> <p><b>WPS</b> wall pivot set</p> <hr/> <p><b>ICS</b> intermediate carrier set</p> <hr/> <p><b>OCS</b> offset carrier set</p> <hr/> <p><b>HS</b> hinge set (flat)</p> <hr/> <p><b>HHS</b> half offset hinge set</p>
<b>1L2R</b>	<p>INSIDE WPS, PS WPS, PS</p> <p>OUTSIDE WPS, PS OCS HS</p>	<p>2 x pivot set 1 x offset carrier set 1 x hinge set 2 x flushbolt</p>	
<b>3R</b>	<p>INSIDE ICS WPS, PS</p> <p>OUTSIDE ICS HHS</p>	<p>1 x pivot set 1 x intermediate carrier set 1 x half offset hinge set 2 x flushbolt</p>	
<b>1L3R</b>	<p>INSIDE WPS, PS ICS WPS, PS</p> <p>OUTSIDE WPS, PS ICS HHS</p>	<p>2 x pivot set 1 x intermediate carrier set 1 x half offset hinge set 4 x flushbolt</p>	
<b>2L2R</b>	<p>INSIDE WPS, PS OCS OCS WPS, PS</p> <p>OUTSIDE WPS, PS OCS OCS HS</p> <p>This configuration accessible from exterior when using new Gen 2 Twinpoint keyed lock.</p>	<p>2 x pivot set 2 x offset carrier set 2 x hinge set 4 x flushbolt</p>	
<b>1L4R</b>	<p>INSIDE WPS, PS OCS ICS WPS, PS</p> <p>OUTSIDE WPS, PS OCS ICS HHS</p>	<p>2 x pivot set 1 x intermediate carrier set 1 x offset carrier set 2 x half offset hinge set 4 x flushbolt</p>	
<b>4R</b>	<p>INSIDE OCS ICS WPS, PS</p> <p>OUTSIDE OCS ICS HHS</p>	<p>1 x pivot set 1 x intermediate carrier set 1 x offset carrier set 2 x half offset hinge set 4 x flushbolt</p>	
<b>2L3R</b>	<p>INSIDE WPS, PS ECS ICS WPS, PS</p> <p>OUTSIDE WPS, PS ECS ICS HHS</p>	<p>1 x pivot set 2 x intermediate carrier set 1 x offset carrier set 1 x hinge set 1 x half offset hinge set 4 x flushbolt</p>	
<b>5R</b>	<p>INSIDE ICS ICS WPS, PS</p> <p>OUTSIDE ICS ICS HS HHS</p>	<p>1 x pivot set 2 x intermediate carrier set 1 x hinge set 1 x half offset hinge set 4 x flushbolt</p>	
<b>3L4R</b>	<p>INSIDE WPS, PS ICS OCS ICS WPS, PS</p> <p>OUTSIDE WPS, PS HHS ICS OCS HHS HHS</p>	<p>2 x pivot set 2 x intermediate carrier set 1 x offset carrier set 3 x half offset hinge set 6 x flushbolt</p>	
<b>7R</b>	<p>INSIDE ICS ICS ICS WPS, PS</p> <p>OUTSIDE ICS ICS ICS HHS HS HS HHS</p>	<p>2 x pivot set 3 x intermediate carrier set 2 x hinge set 1 x half offset hinge set 6 x flushbolt</p>	
<b>2L5R</b>	<p>INSIDE WPS, PS OCS ICS ICS WPS, PS</p> <p>OUTSIDE WPS, PS OCS HHS HS HS HHS</p>	<p>2 x pivot set 2 x intermediate carrier set 1 x offset carrier set 2 x hinge set 1 x half offset hinge set 6 x flushbolt</p>	
<b>8R</b>	<p>INSIDE OCS ICS ICS ICS WPS, PS</p> <p>OUTSIDE OCS HHS HS HS HHS</p> <p>This configuration accessible from exterior when using new Gen 2 Twinpoint keyed lock.</p>	<p>1 x pivot set 3 x intermediate carrier set 1 x offset carrier set 2 x hinge set 8 x flushbolt</p>	

# KT941 Series E4 Sill System for 2-1/4" (57.2mm) Door Thickness

KT941E40AKD Outswing Sill, Aluminum Bronze Anodized With Oak Top





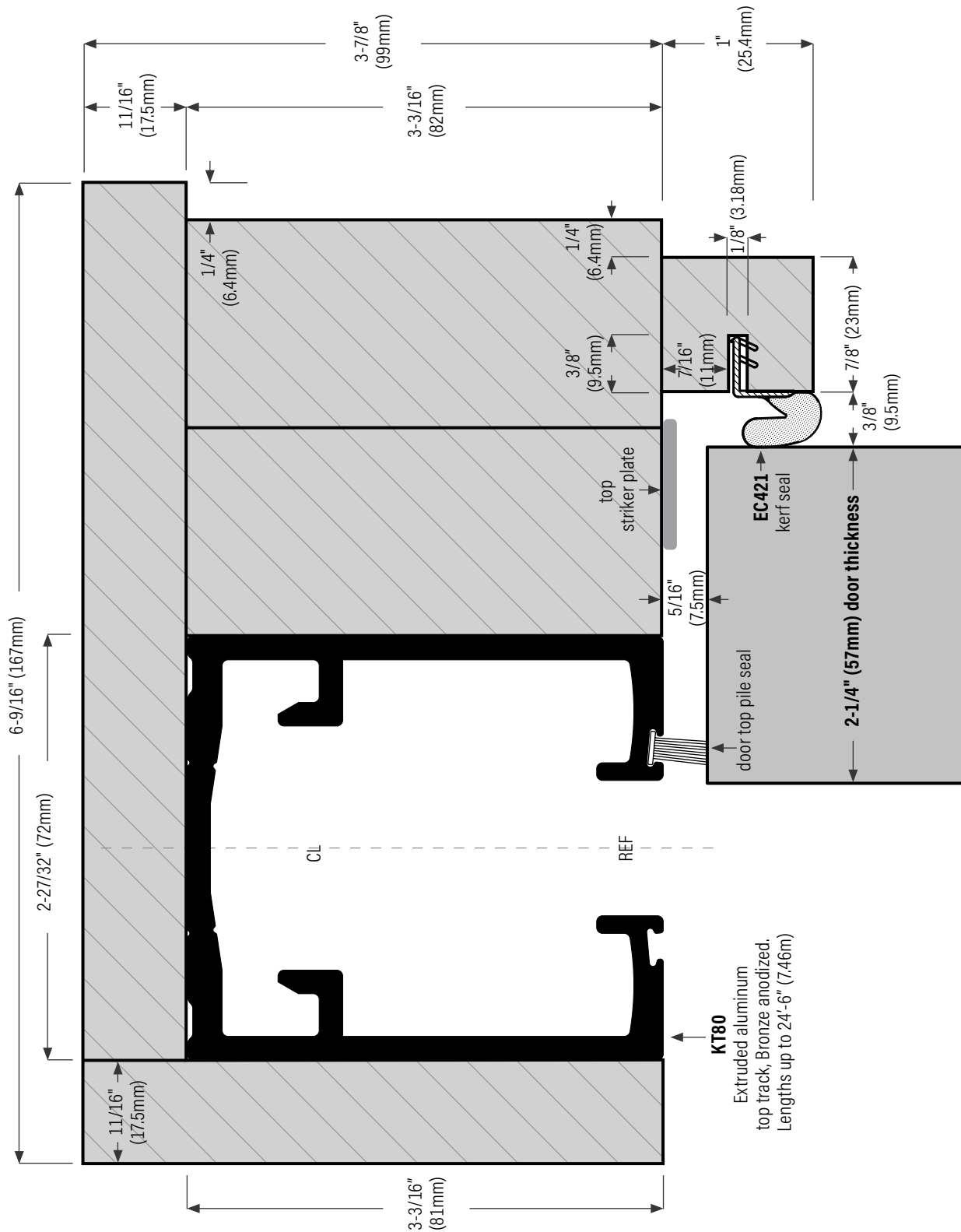






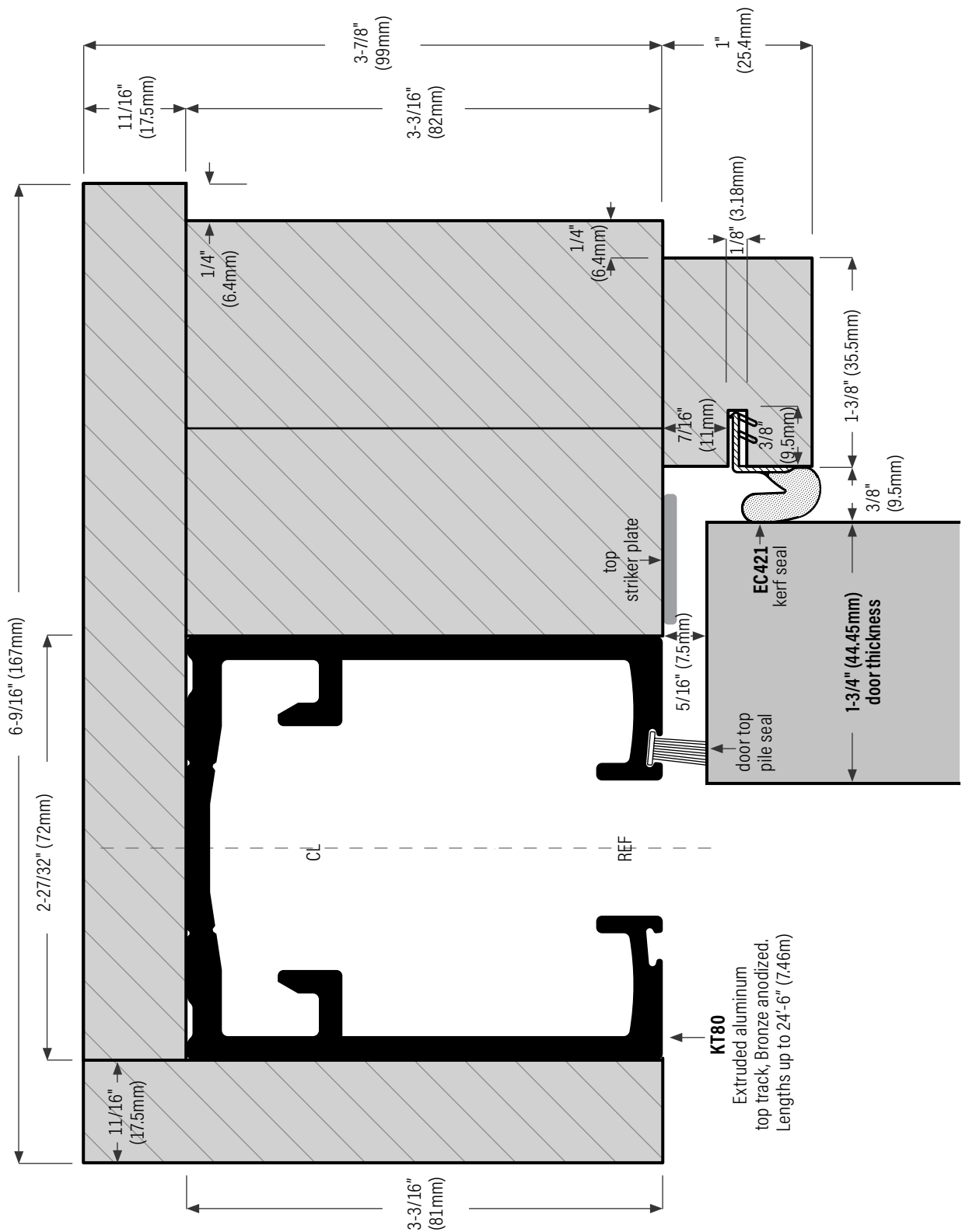
# E4 Header for 2-1/4" (57.2mm) Door Thickness

KT80D Bronze anodized



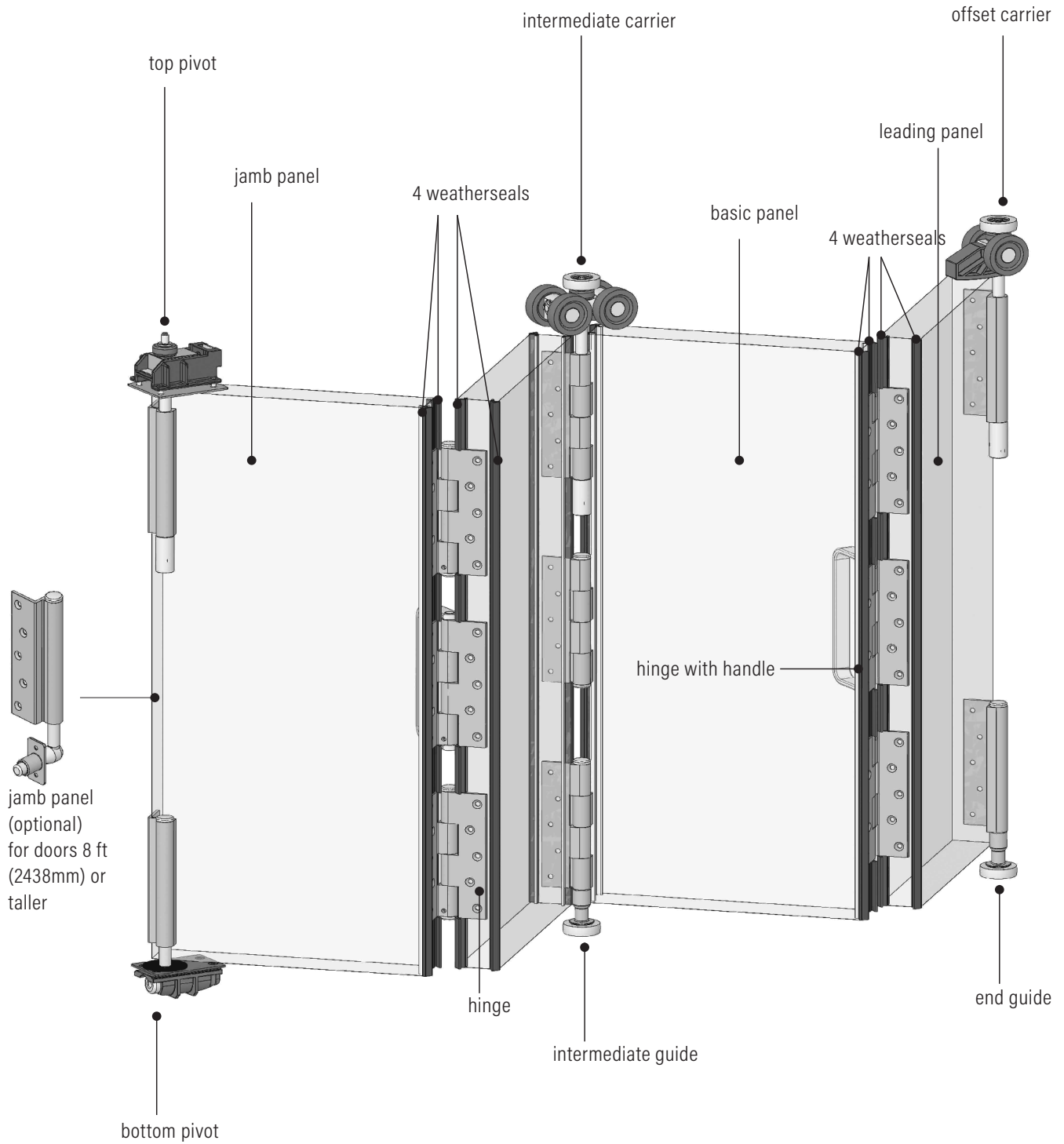
# E4 Header for 1-3/4" (44.5mm) Door Thickness

KT80D Bronze anodized



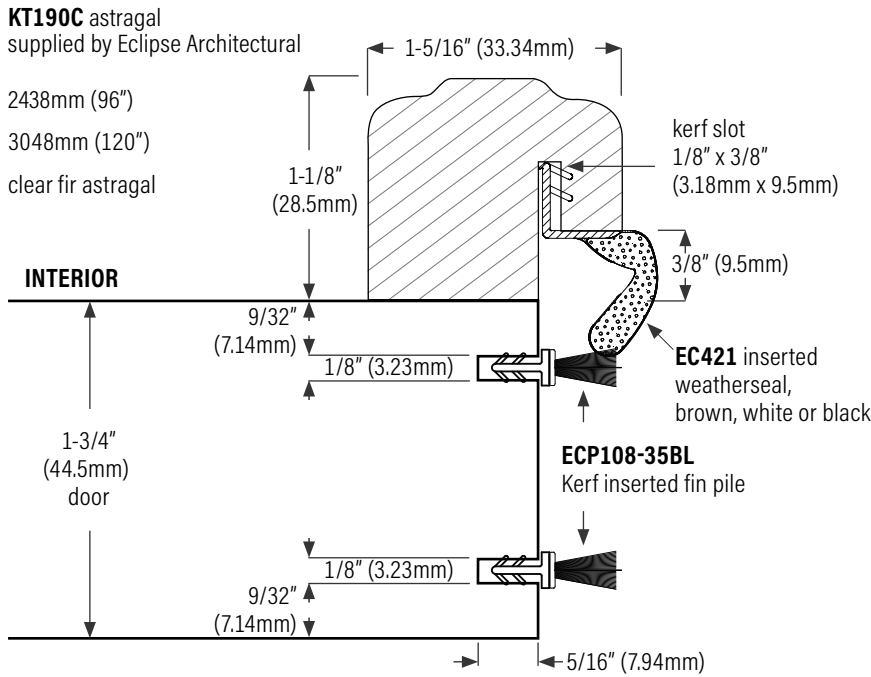
# E4 Hardware Placement

## 4L Configuration

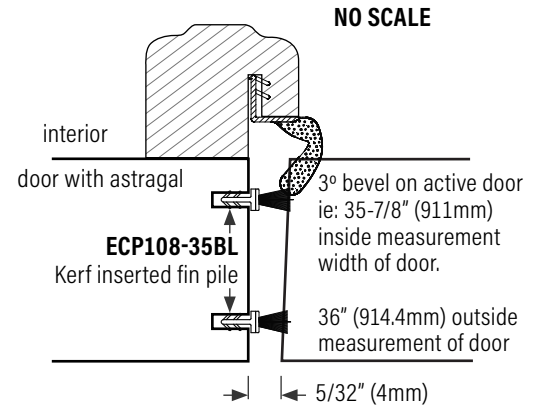




## Astragal Detail for Eclipse E4 Exterior Folding Door System Triple Seal For Superior Sealing Performance



**NOTE:** For ease of mounting all hardware, it is recommended to use square edge doors.

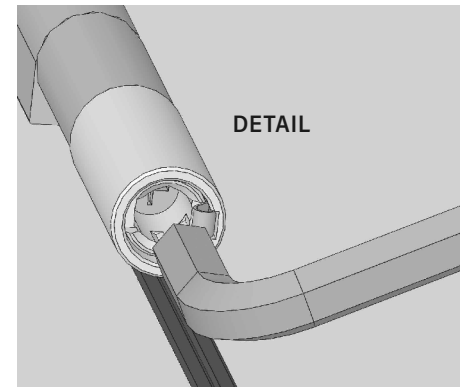


## Surelock II™ Adjustment for E4™

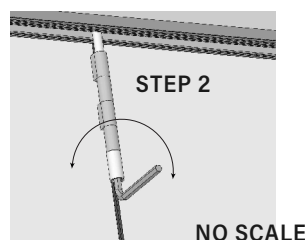
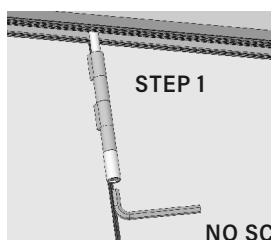
E4 hardware has been designed for large and heavy doors. So, the doors will probably be tall, too, and the ability to conveniently adjust and set the heights of the panels has been given careful consideration. The Sure-Lock II™ allows easy adjustment with the Allen Key provided. This stainless steel mechanism has three significant features:

- » Adjusting the height setting requires only a single tool, which is a 3/8" (9.5mm) Allen Key, in a single-handed operation. There is no need to hold or steady the Sure-Lock II™ while the adjustment is being made. An Allen Key is provided with E4 pivot sets.
- » Insertion of the key disengages the self-locking spring latch. When adjusted, the new setting can be locked against unwanted movement by simply allowing the latch to fall back into the locating slot as the key is removed.
- » A retaining screw fitted to the bottom of the carrier pin limits the travel of the Sure-Lock II™ so that it cannot be adjusted down to a structurally unsafe position.

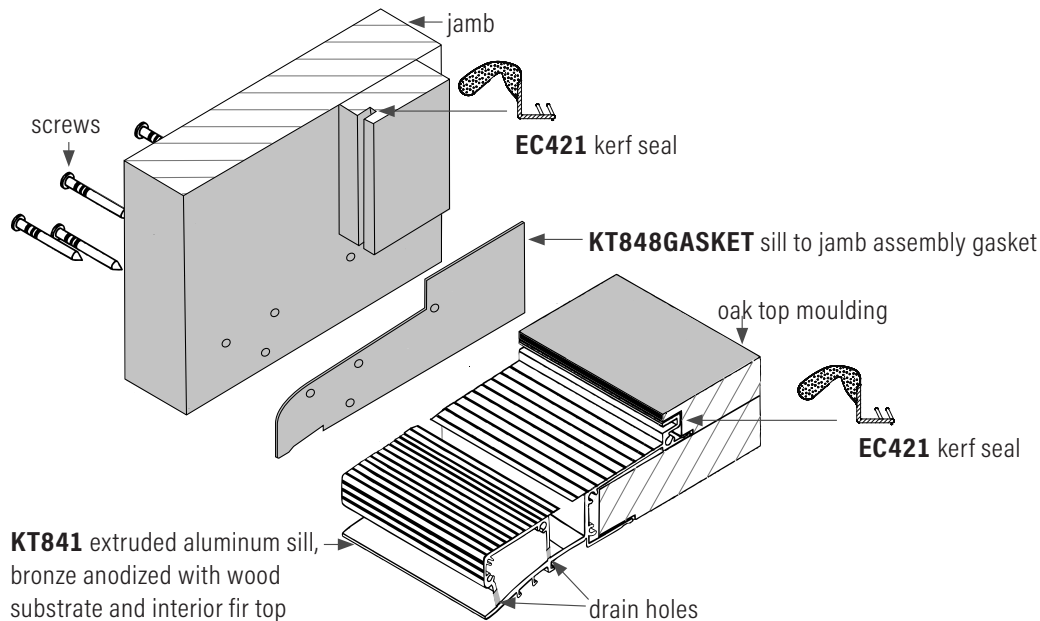
**NO SCALE**



PATENT PENDING



## Folding Door, Jamb at Sill



## Manual Door Calc

### Clearances for E4

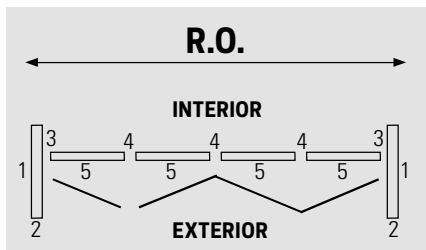
- Pivot door to jamb 3/8" (9.5mm)
- Swing door to jamb 9/32" (7.5mm)
- Panel to panel gap 3/8" (9.5mm)
- Bottom of door panel to sill 3/8" (9.5mm)
- Top of door panel to header 9/32" (7.5mm)
- Inside face of door panel to stop 3/8" (9.5 mm)

### Rough opening specs for E4

1. Door height plus 6-3/4" (171.4mm) = R.O. when using inswing or outswing E4 sills and frame specs.
  2. Door height plus 5" (127mm) = R.O. when using floor channel
- NOTE: from header R.O. to top of floor channel

### Manual calculation for determining R.O.

(i.e. Configuration 1L3R, i.e. door panel size 36" x 84" [914mm x 2134mm])

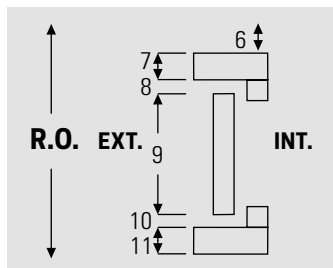


### WIDTH

- 1) Jamb to Stud - typical 1/4" (6.3mm) shimming x 2 = .5" (12.7mm)
- 2) Jamb thickness 11/16" (17.5mm) x 2 = 1.375" (34.9mm)
- 3) Panel to Jamb - Clearance 3/8" (9.5mm) x 2 = .375" (9.5mm)
- 4) Panel to Panel - Gap 3/8" (9.5mm) x 3 = 1-1/8" (28.5mm)
- 5) Panel width 36" (914) x 4 = 144" (3656mm)

R.O. (width) 147-3/4" or 147.75" or (3751mm) or (3.751m)

For O.S.M. width of unit take R.O. minus 1/2" (12mm) i.e. 147-3/4" (3752.8mm) minus 1/2" (12.7mm) (.5") = 147-1/4" (3740mm)



### HEIGHT

- 6) Frame header to R.O. header. Typical 1/2" (12.7mm) shimming x 1 = .5" (12.7mm)
- 7) Frame header 3-7/8" (98.4mm) x 1 = 3.875" (98.4mm)
- 8) Top of door panel to frame header 5/16" (7.5mm) x 1 = .3125" (7.5mm)
- 9) Door panel height 84" (2134mm) x 1 = 84" (2134mm)
- 10) Bottom of door panel to top of sill 3/8" (9.5mm) x 1 = .375" (9.5mm)
- 11) Sill height 1-5/8" (41.2mm) x 1 = 1.625" (41.2mm)

R.O. Height 90-3/4" or 90.75" or (2305 mm) or (2.30m)

For O.S.M. height of unit take R.O. minus 1/2" (12mm). i.e. 90-3/4" (2305mm) minus 1/2" (12.7mm) = 90-1/4" (2292mm).

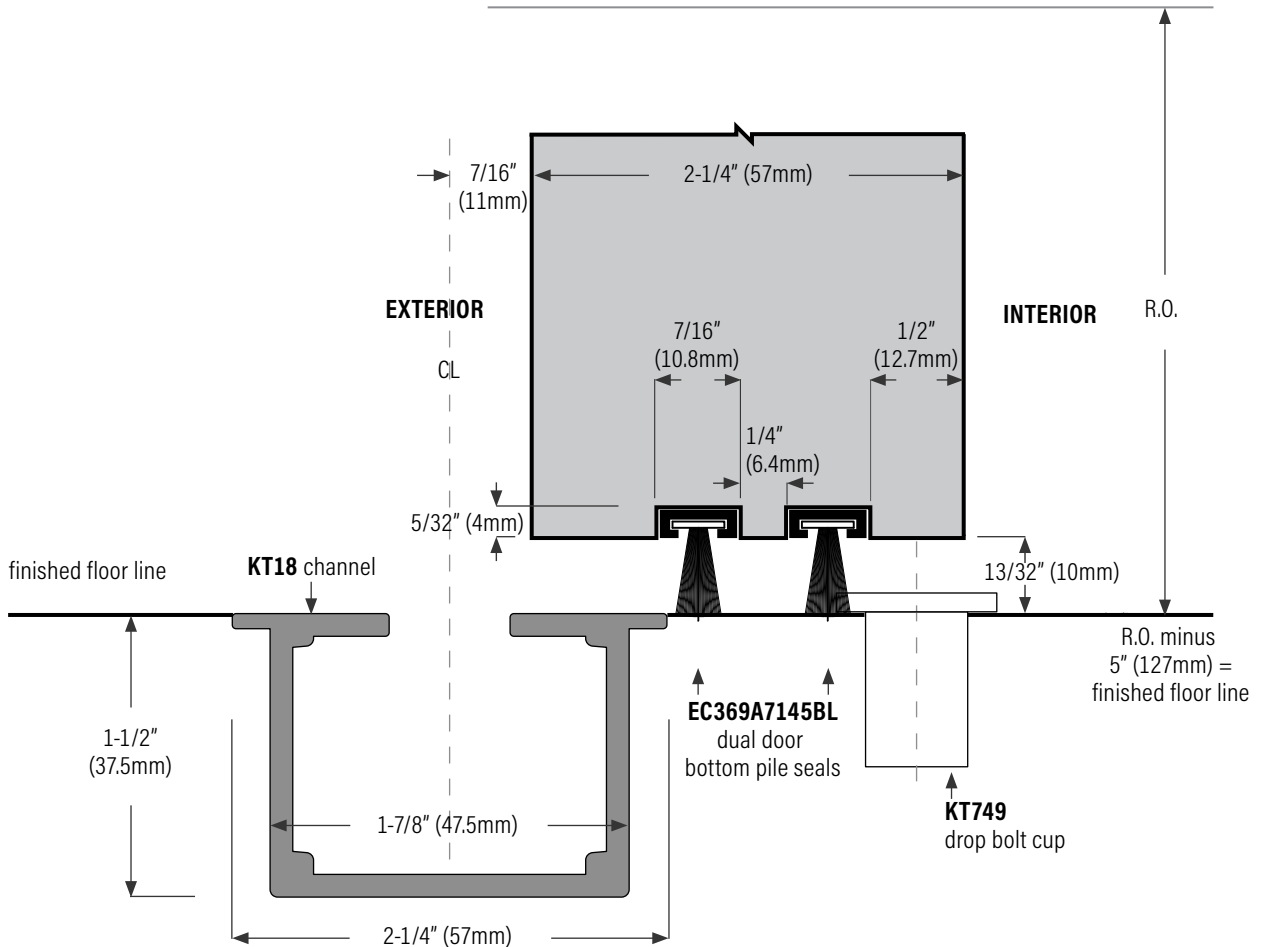
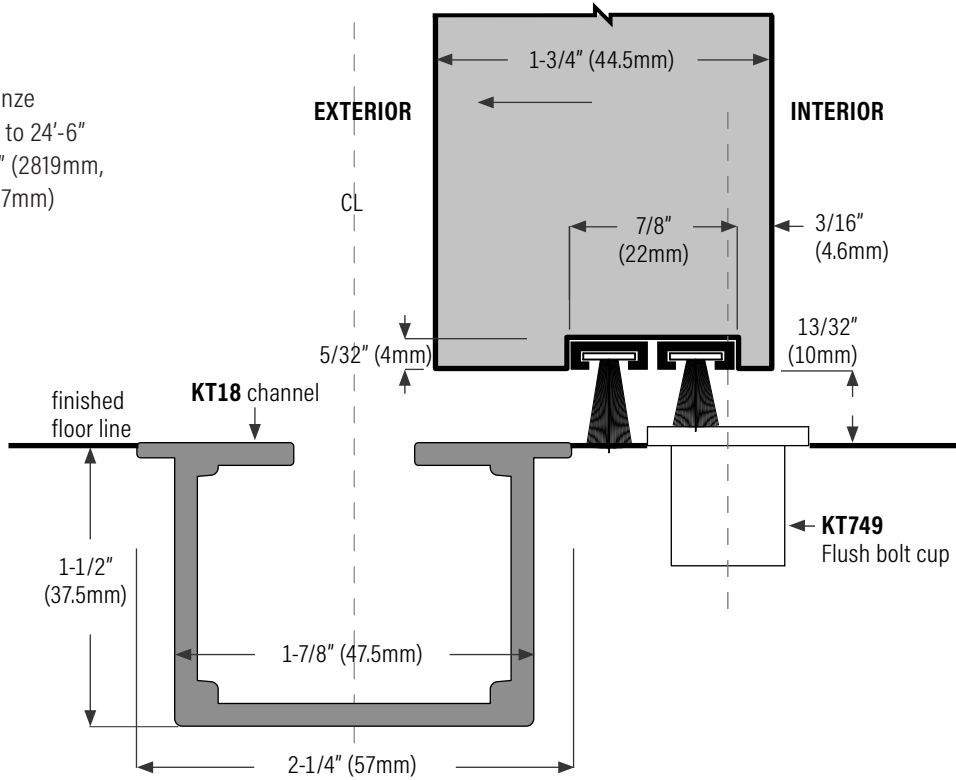
# Optional Floor Channel Application

Interior or exterior E4 folding door 2.25" (57.1mm) door, may also be used with 1-3/4" (35mm) door.

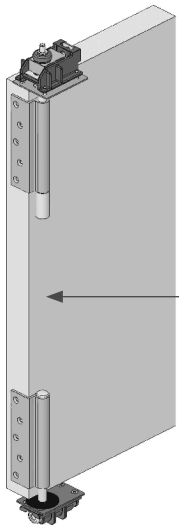
**KT18**

Extruded aluminum channel, bronze anodized for E4 only. Lengths up to 24'-6" (468mm) 111", 147", 183", 222", 294" (2819mm, 3734mm, 4648mm, 5639mm, 7467mm)

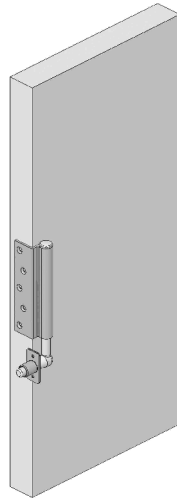
This application is recommended only for: interior application, exterior non-rainfall weather, undercover well protected doors, use with E4 system only. Door Calc will not calculate R.O. when using EC18 floor channel.



# E4 Parts Selection

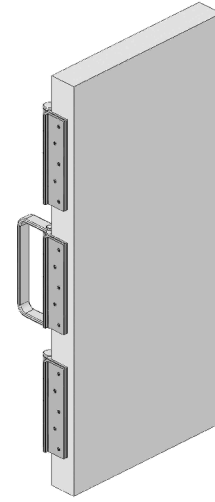


**Top and bottom pivot, 2 piece set**



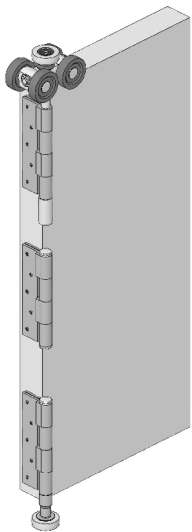
**Middle wall pivot, 1 piece**

Optional for doors 8 ft. (2438mm) or taller. Use with top & bottom pivot set.

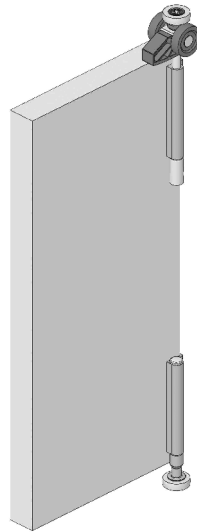


**Hinge, 3 piece set**

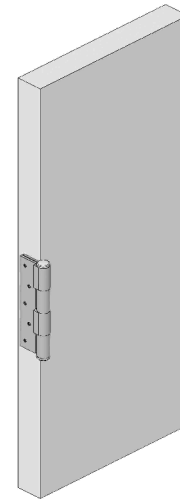
For doors up to 8 ft. (2438mm) tall in height. Add single hinge for doors 8 ft (2438mm) or taller.



**Intermediate carrier, 3 piece set**



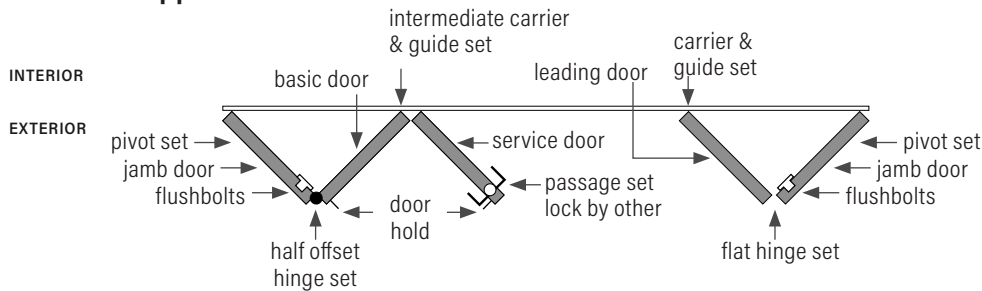
**Offset carrier, 2 piece set**



**Single hinge, 1 piece or Fourth hinge**











When used with hinge set and intermediate carrier set, for doors 8 ft. (2438mm) or taller.

## Hardware Application 3L2R



# E4 Parts Selection

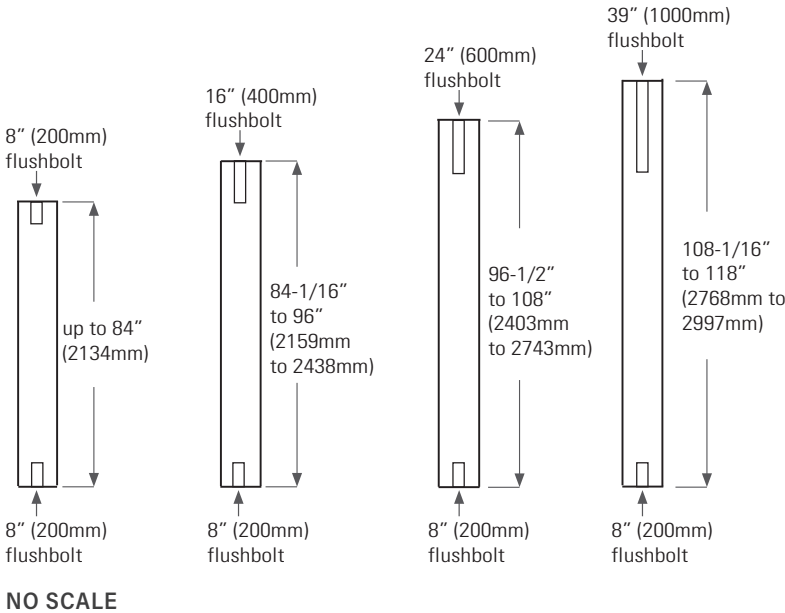
E4

PART		PART NUMBER	DESCRIPTION	FINISH
Pivot Set		<b>KTE4PSOL</b>	E4 pivot set	PVD bronze
		<b>KTE4PSS</b>	E4 pivot set, complete	Brushed stainless steel (316)
Wall Pivot Set		<b>KTE4WPOL</b>	E4 wall pivot set	PVD bronze
		<b>KTE4WPS</b>	E4 wall pivot set	Brushed stainless steel (316)
Intermediate Carrier Set		<b>KTE4ICSOL</b>	E4 intermediate carrier set	PVD bronze
		<b>KTE4ICSS</b>	E4 intermediate carrier set, complete	Brushed stainless steel (316)
Offset Carrier Set, Right or Left		<b>KTE40CSOL</b>	E4 offset carrier set	PVD bronze
		<b>KTE40CSS</b>	E4 offset carrier set, complete	Brushed stainless steel (316)
Flat Hinge Set (With Handle)		<b>KTE4HSOL</b>	E4 hinge set	PVD bronze
		<b>KTE4HSS</b>	E4 hinge set, complete	Brushed stainless steel (316)
Flat Hinge (No Handle)		<b>KTE4HHHOL</b>	E4 hinge	PVD bronze
		<b>KTE4HNHS</b>	E4 hinge	Brushed stainless steel (316)
Single Hinge Flat (With Handle)		<b>KTE4HOL</b>	E4 hinge	PVD bronze
		<b>KTE4HS</b>	E4 hinge	Brushed stainless steel (316)
Half Offset Hinge Set (With Handle)		<b>KTE4HHSOL</b>	E4 hinge set complete	PVD bronze
		<b>KTE4HHSS</b>	E4 hinge set complete	Brushed stainless steel (316)
Single Hinge Offset (No Handle)		<b>KTE4HHNHOL</b>	E4 hinge	PVD bronze
		<b>KTE4HHNHS</b>	E4 hinge	Brushed stainless steel (316)
Single Hinge Offset (With Handle)		<b>KTE4HHOL</b>	E4 hinge	PVD bronze
		<b>KTE4HHS</b>	E4 hinge	Brushed stainless steel (316)

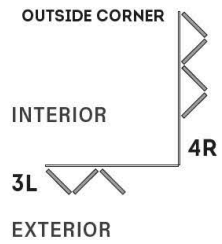
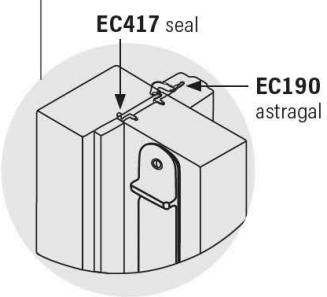
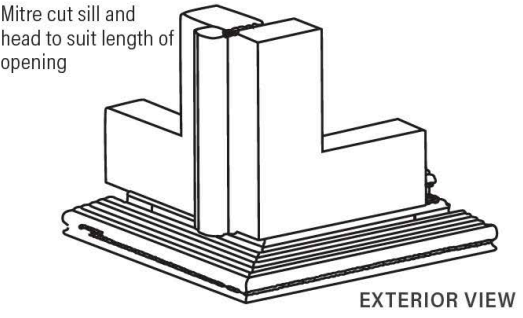
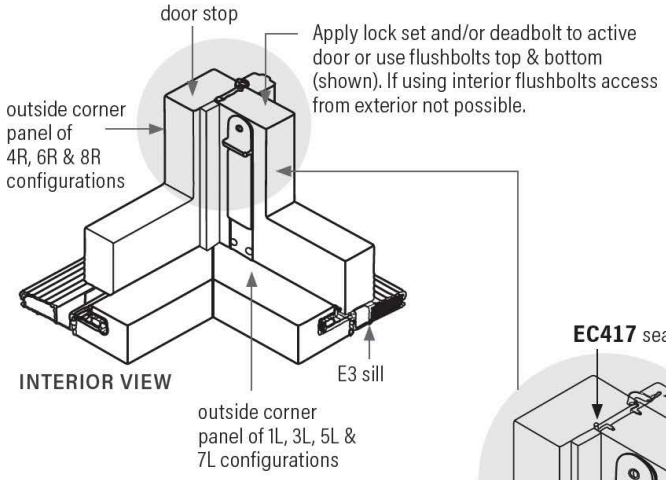
# Flushbolt Placement

## Suggested Flushbolt Lengths For Door Heights 80" to 120" (2.032m to 3.048m)

**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.



# E3 Corner Unit Application



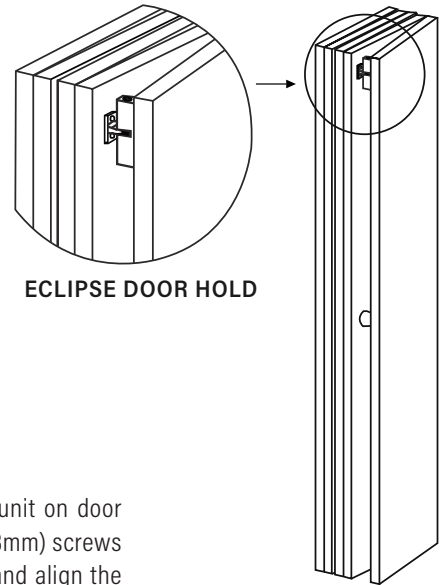


# DOOR HOLDS

## Eclipse KT740 Door Hold For Exterior Folding Doors

The Eclipse Door Hold is used to secure or hold the active swing door and / or doors in place to prevent possible damage in the event of wind slamming one panel into the next panel.

PRODUCT #	FINISH	MATERIAL	QUANTITY
<b>KT740DHC</b>	Clear anodized	Aluminum	1 per pack
<b>KT740DHD</b>	Bronze anodized	Aluminum	1 per pack

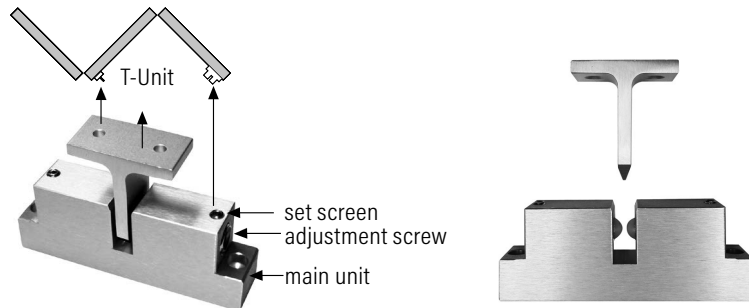


ECLIPSE DOOR HOLD

Stainless steel screws supplied with clear anodized unit.  
Stainless steel screws (bronze colored) supplied with bronze anodized unit.

### Installation Instructions

Install unit as shown in picture, typically at the top of the door panels. Centre main unit on door stile, 1 to 2 inches (25 to 50mm) from the top edge of door. Fasten in place with 1-1/2" (38mm) screws supplied. Fold all door panels to one side or both sides (depending on configuration) and align the T-unit with slot into the main unit and fasten in place with 1-1/2" (38mm) screws supplied. Adjust tension screws accordingly and lock in place with set screws (1/8" allen key supplied). Make sure the adjustment tension screws are evenly balanced; this will ensure that the T-unit slides into the slot of the main unit evenly.



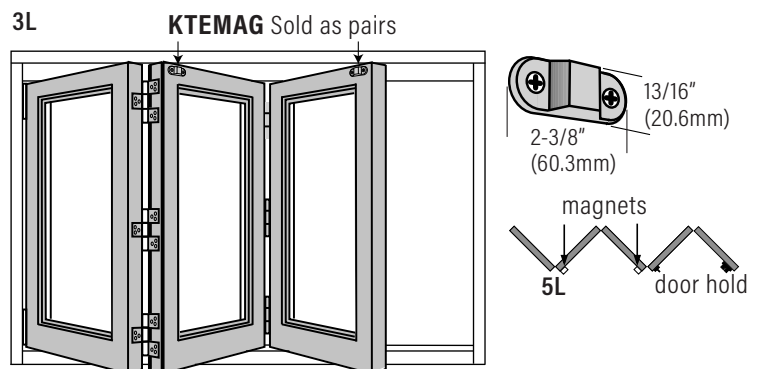
### Door Hold Magnets (optional)



- KTDCAS** Satin Aluminum Finish
- KTCAOL** Black Finish
- KTDCATG** Brass Finish

### KTEMAG Magnets

For holding the door panels in the open position



# S2 Screen System

The S2 Screen operates smoothly from any height on the stile with one hand so even the youngest members of your family can use them. When opened, the screen stays in any position without snapping shut, allowing for an easy transition from inside to out. Should the screen mesh blow out of the top or bottom track, it will feed back onto the roll the next time it is retracted.

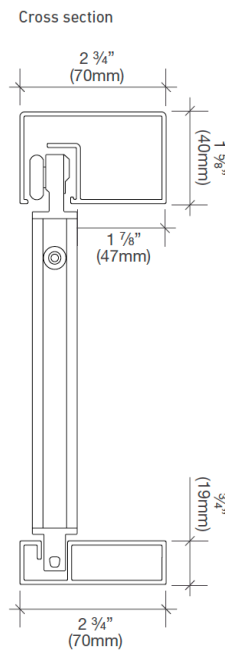
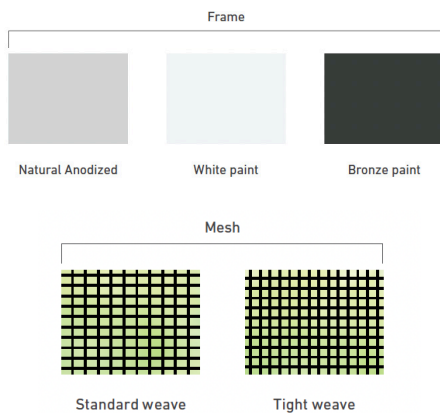
The S2 Screen can be paired with double-swing and sliding doors and with many styles of windows. Clever design allows it to be installed on either the inside or outside of the opening depending on your requirements. Once in place, the screen mechanism is accessible through the removable covers for simple repair, servicing or cleaning.



Single screen		
Frame width	24 5/8" – 81 7/16"	625 – 2070mm
Frame height	29 13/16" – 157 7/16"	1999 – 4000mm
Double screen		
Frame width	26 7/8" – 157 7/16"	670 – 4000mm
Frame height	29 13/16" – 157 7/16"	1999 – 4000mm

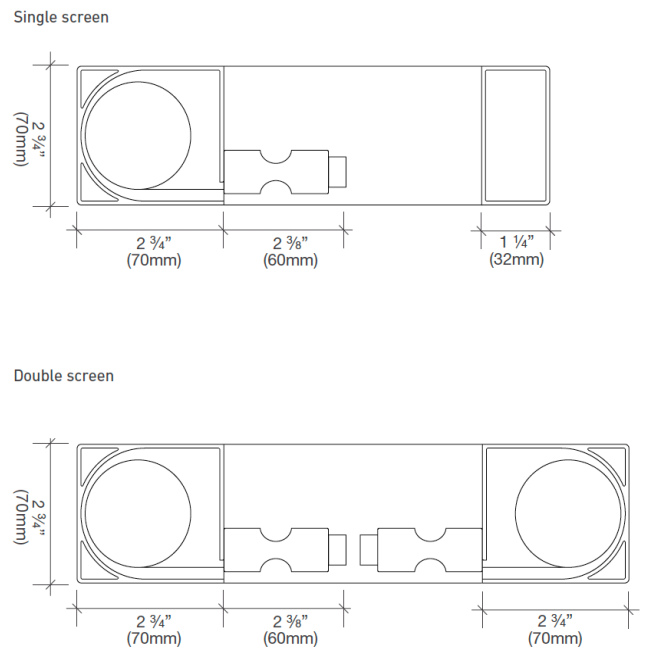
## Materials and Finishes

The durable aluminum frame is available in natural anodized or painted in white or bronze. The charcoal insect mesh is made from hard-wearing polyester/PVC and is available in Standard weave (for flies, moths and other pests) or Tight weave (for tiny insects).



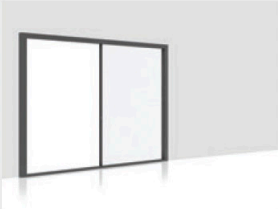
## Product Detail

Thanks to its compact design the S2 Screen is easily paired with a new door, either during a remodel or new construction, or can be retrofitted to an existing door.



## Configurations

The S4 Screen & Shade System is available in four configurations:



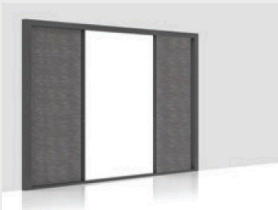
### Single

A single screen or shade that extends from one side of the frame to cover the full width of the opening.



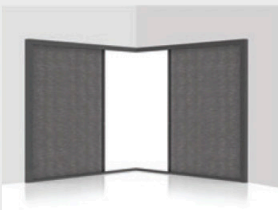
### Combination

A combination of two fabric types — both covering the full width — such as a screen from the left & a shade from the right.



### Double

Two screens or shades (in the same fabric option), which meet at any point along the opening.



### Corner

Two screens or shades (in the same fabric option) meet at a 90-degree angle opening for post-less corner openings.

## S4 Screen & Shade System

The award-winning S4 Screen allows homeowners with large doors to enjoy the luxury of inside-outside living without the traditional compromises: insects, glare and loss of privacy. Designed to fit nearly any door - folding, double-swing or sliding - S4 delivers unparalleled engineering. Operating with just a fingertip, the unique load balancing technology allows screens and shades to glide smoothly across the entire opening and effortlessly stop at any desired position.

When not in use, the screen or shade retracts discreetly into the frame, removing visual distractions to the view outside while also protecting it from damage, dust or dirt.

Shades come in a variety of different fabric and color options which include sun-filtering and sun-blocking.

For more details please visit  
[www.eclipsefoldingdoorsystems.com](http://www.eclipsefoldingdoorsystems.com)  
and click on  
**Screens and Shades**







S4 SCREEN AND SHADE SYSTEM

# Eclipse

## Folding Door Systems

Hardware / Integrated Folding Doors / Screens / Shades



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