

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.

	E2	E3	E4
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

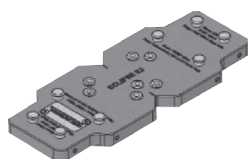
The Eclipse E3™ is a premier folding door system for larger folding doors. It has been designed for strength and is generously proportioned to meet the requirements of specifiers looking for folding solutions in medium to large residential and commercial applications. Stainless steel bearings in the 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

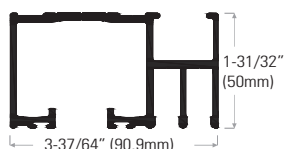
Eclipse E3 Drilling Jig

See E3 Drilling Jig instruction sheet on www.eclipsefoldingdoorsystems.com 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

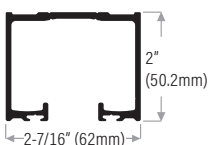


KT75C clear anodized

KT75D bronze anodized

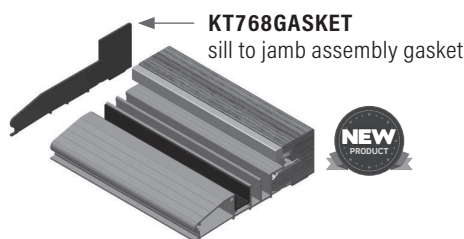
Lengths available: 111", 147", 183", 222", 294" (2819mm, 3734mm, 4648mm, 5639mm, 7467mm)

Top Track, extruded aluminum (optional)



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

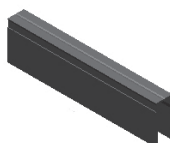
Sill System



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.

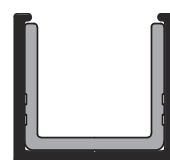
Lengths available: 111", 147", 183", 222", 294" (2819mm, 3754mm, 4648mm, 5639mm, 7468mm). Order flushbolt cups and sill assembly end gaskets separately.



KT795COVERBLVE

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

Floor Channel



EC23BLVE
Replacement PVC insert (only)

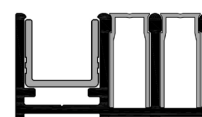
EC23DV floor channel, bronze anodized with PVC insert, black. Lengths available: 111", 147", 183", 222", 294" (2819mm, 3734mm, 4648mm, 5639mm, 7467mm)



KT750GASKET
included with EC749, fits under rim of cup

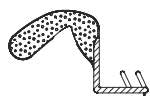
KT749 Flushbolt cup, satin or bronze

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

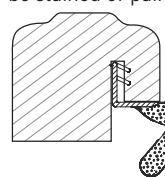


EC369A7145BL
Aluminum T-slot extrusion with black pile insert, for bottom of doors



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



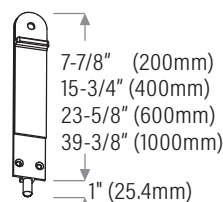
ECP108-35BL
Pile weatherseal for door with astragal, 5/16" (8mm) pile height, black



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

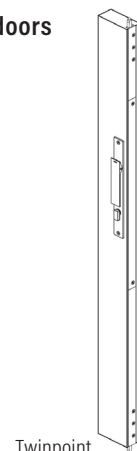
Flushbolts or Twinpoint for outswing & inswing doors

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

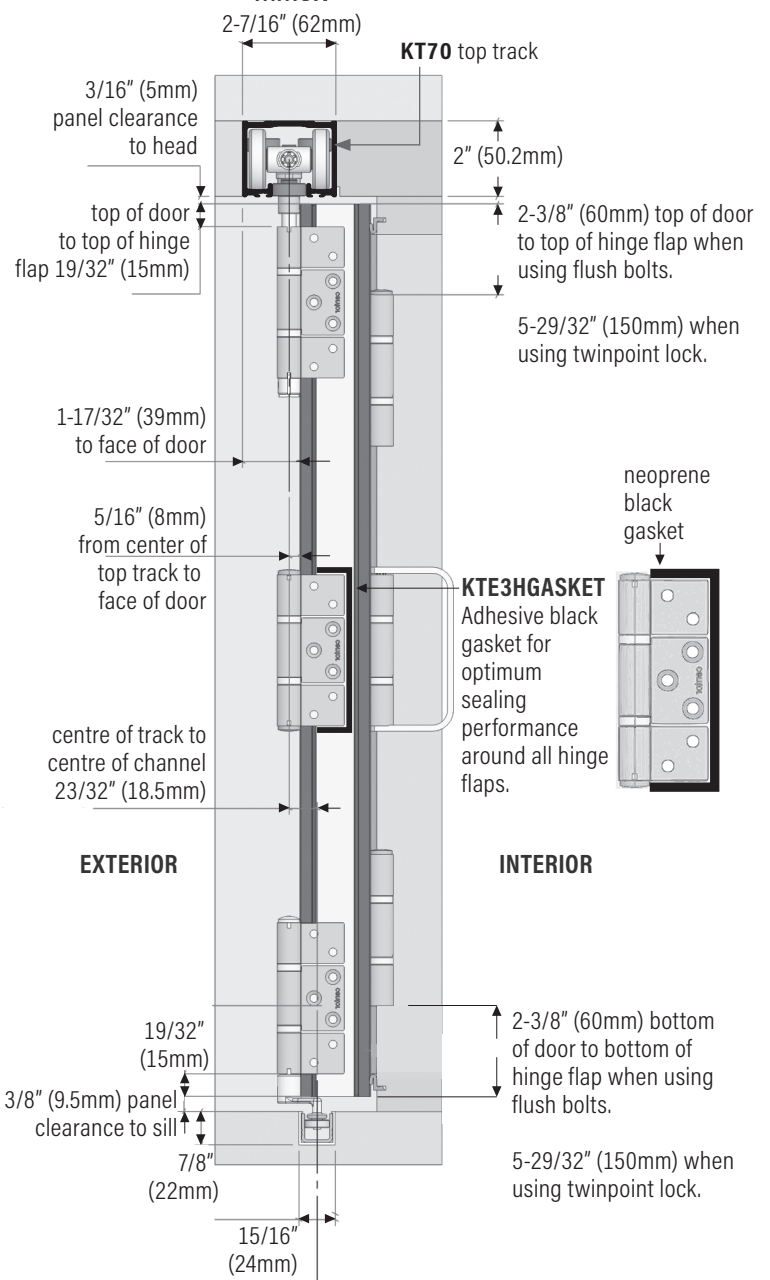
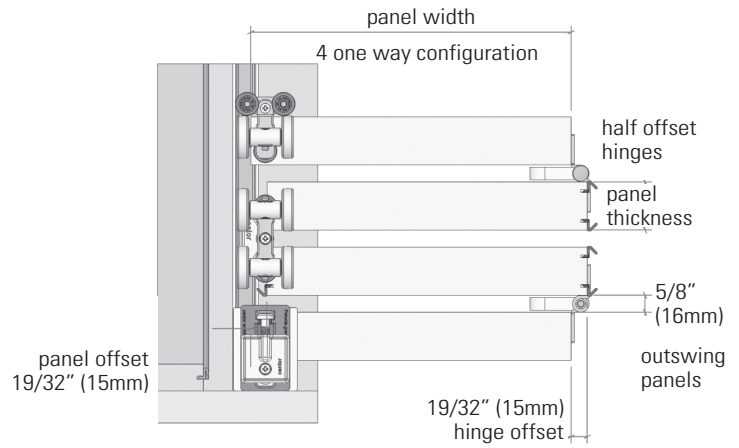
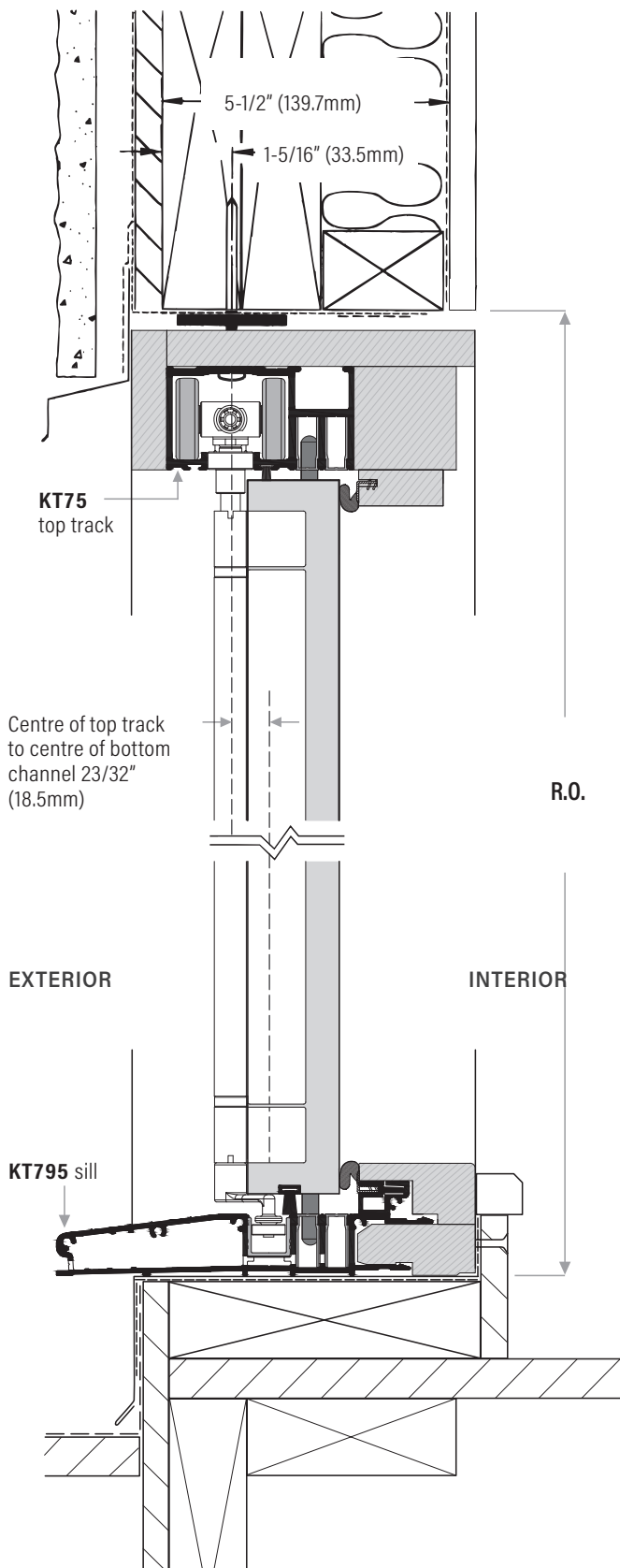
Hardware

2 stock finishes available: Stainless steel & pvd bronze

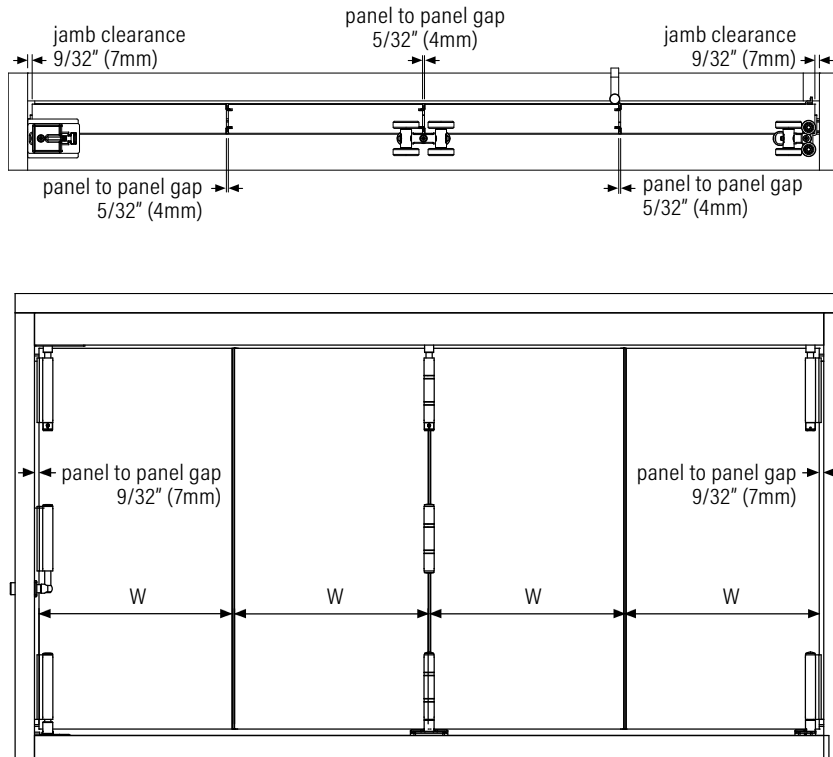


*PVD brass (TG) finish is custom order, call for manufacturing time.



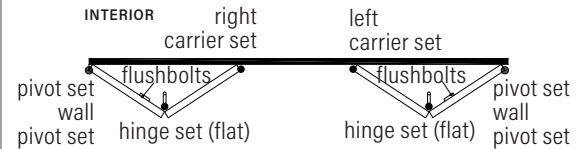
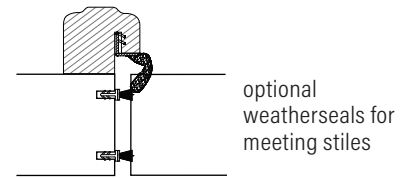
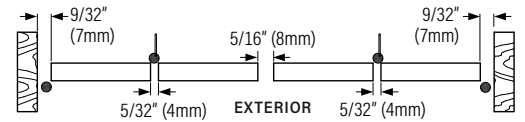


4L (4 doors folding left) exterior view (all doors are same width)

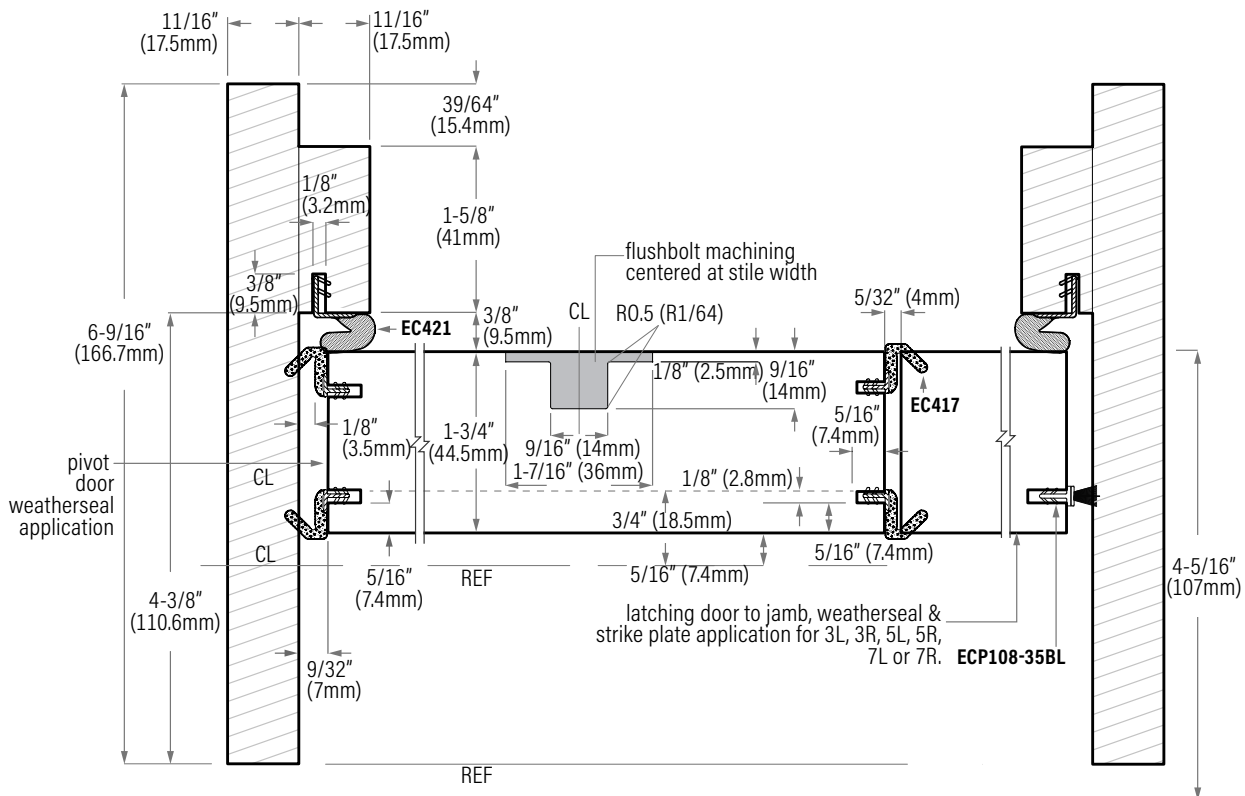


Over Camming

When using 1-3/4" (44.5mm) or 2-1/4" (57mm) panel thickness on 2L2R or 4L4R configurations, the gapping between the 2 meeting panels should be 5/16" (8mm). Hinge flaps on the meeting stiles should be machined into the edge of the door.



EC417 & ECP108-35BL Weatherseal Detail for 1-3/4" (44.5mm) Door



Hardware List For Door Configurations

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

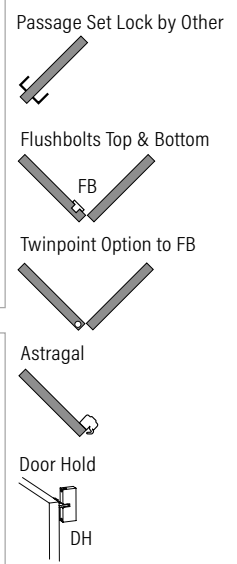
From Left To Right

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

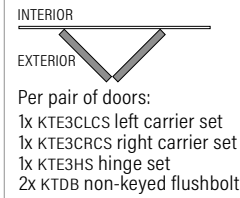
Hardware Legend

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

Legend



Floating Door Pairs

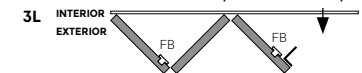


How To Determine Swing Of Systems

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

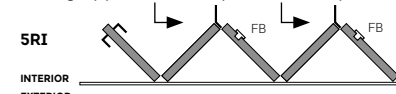


outswing application
"D" pull handle option



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.

Hardware List For Door Configurations

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

E3

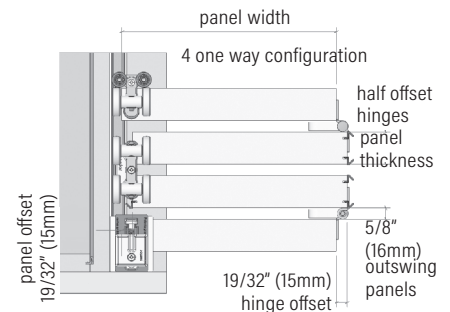
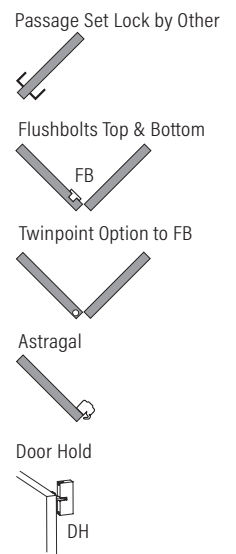
From Left To Right

2R	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
1L2R	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
3R	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
1L3R	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
2L2R	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
1L4R	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
4R	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
2L3R	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
5R	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
3L4R	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
7R	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
2L5R	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
8R	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

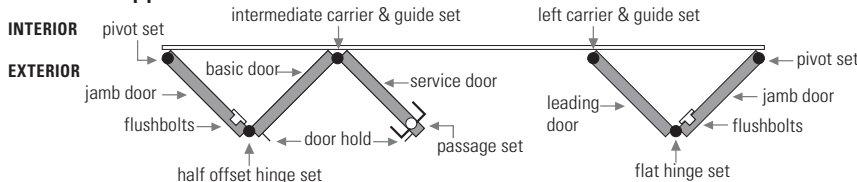
Hardware Legend

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

Legend



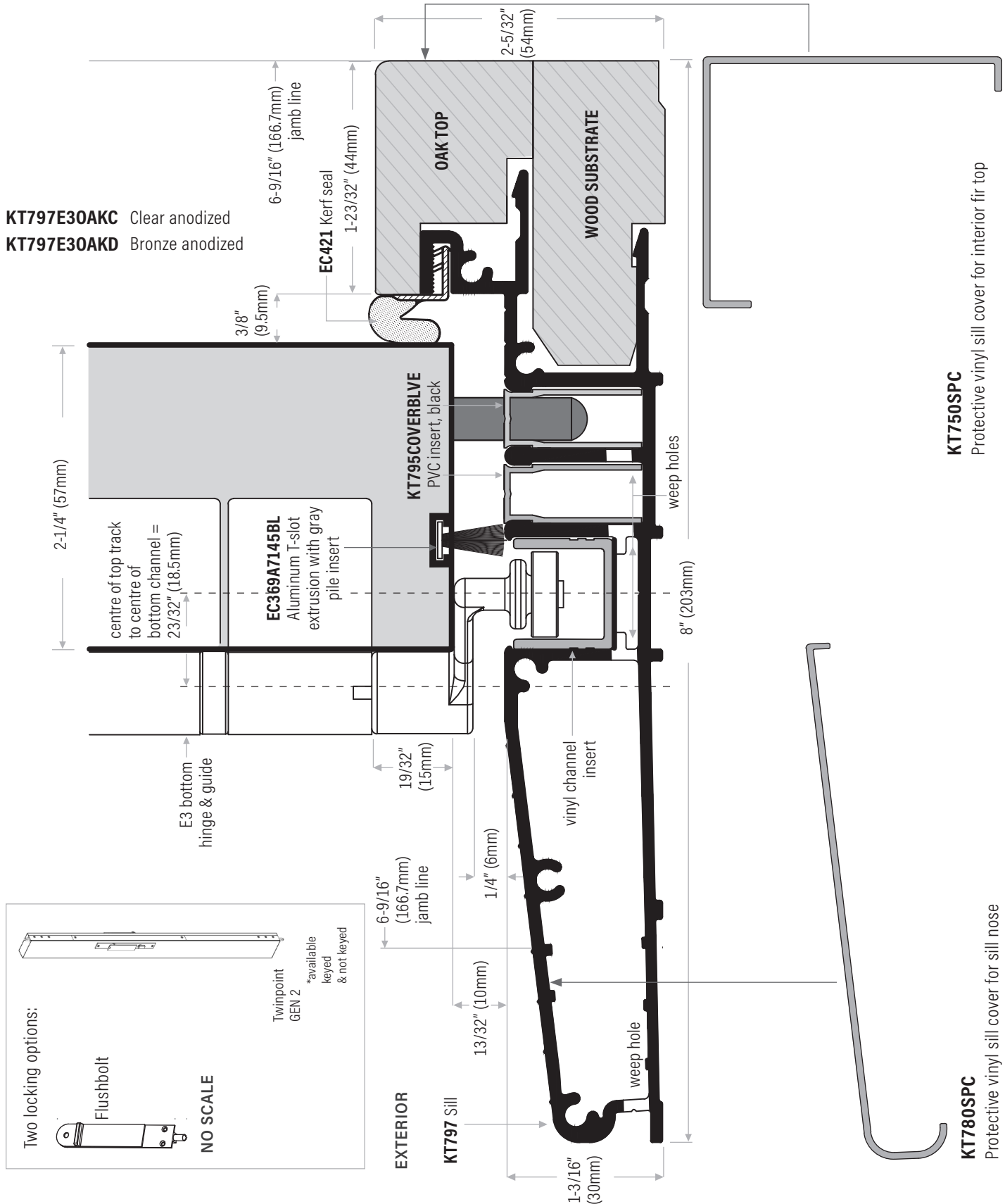
Hardware Application 3L2R



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.

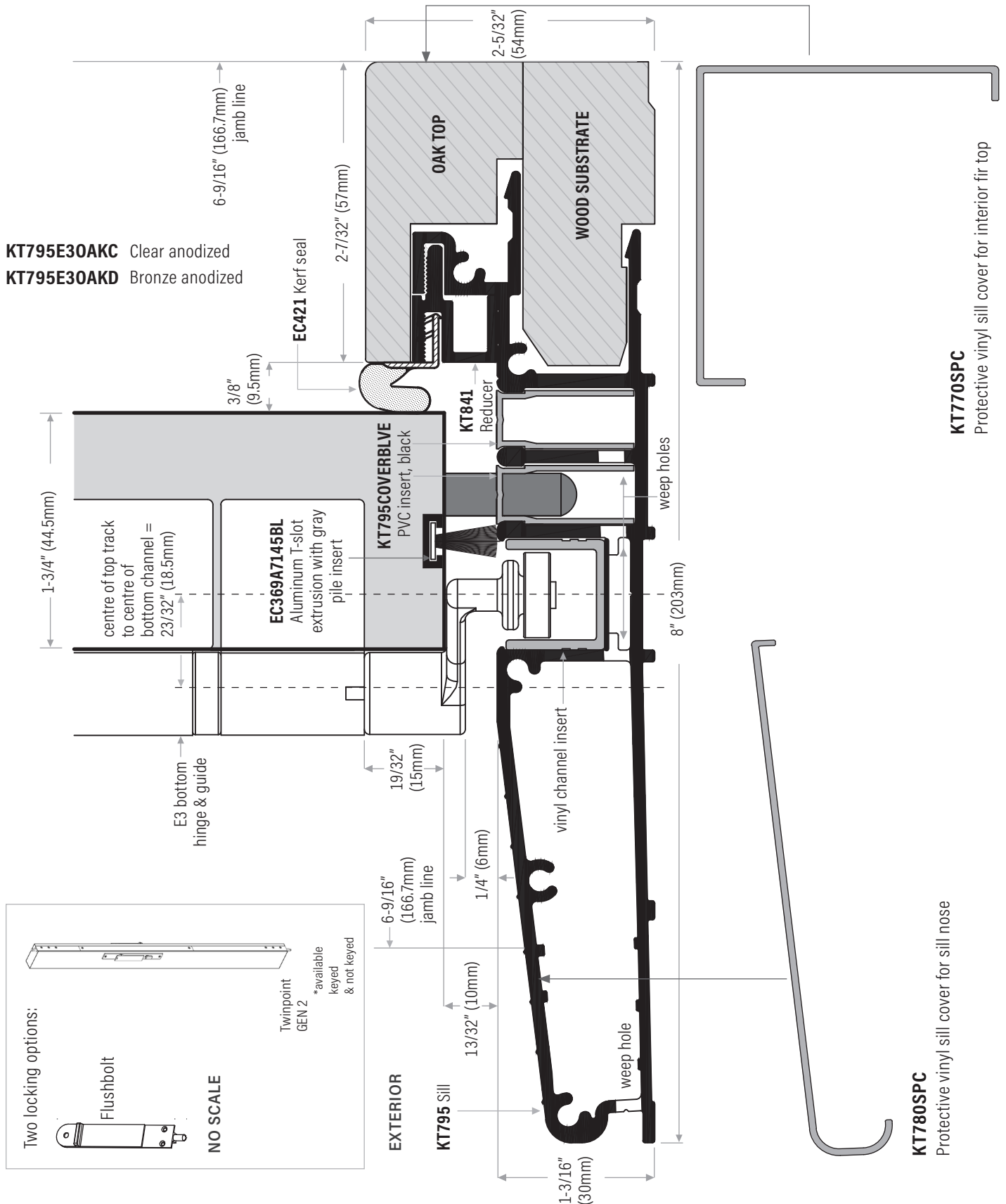


KT795 (8") Outswing Sill System For 1-3/4" (44.5mm) Door Thickness

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.



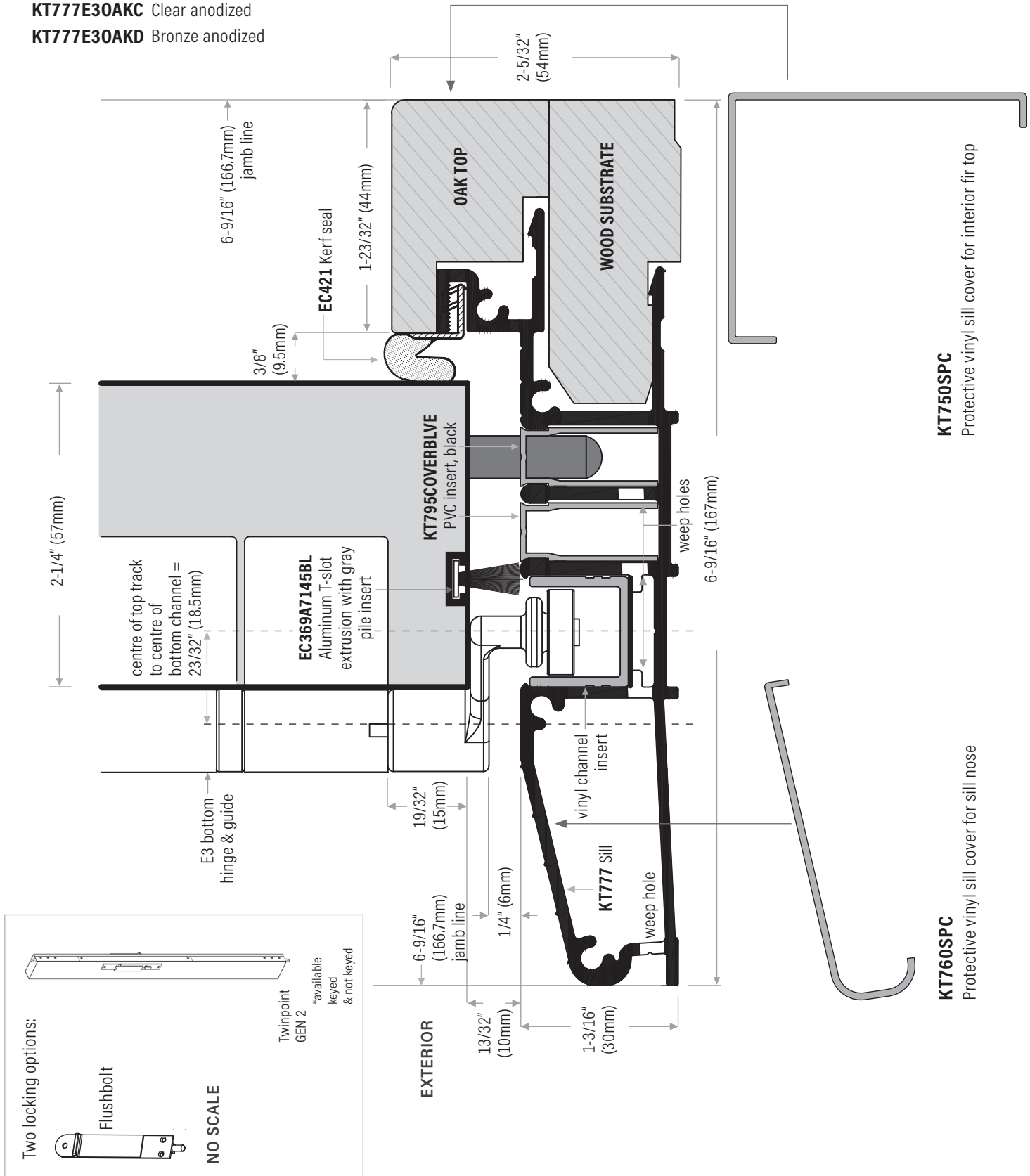
KT777 (6-9/16") Outswing Sill System For 2-1/4" Door Thickness

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

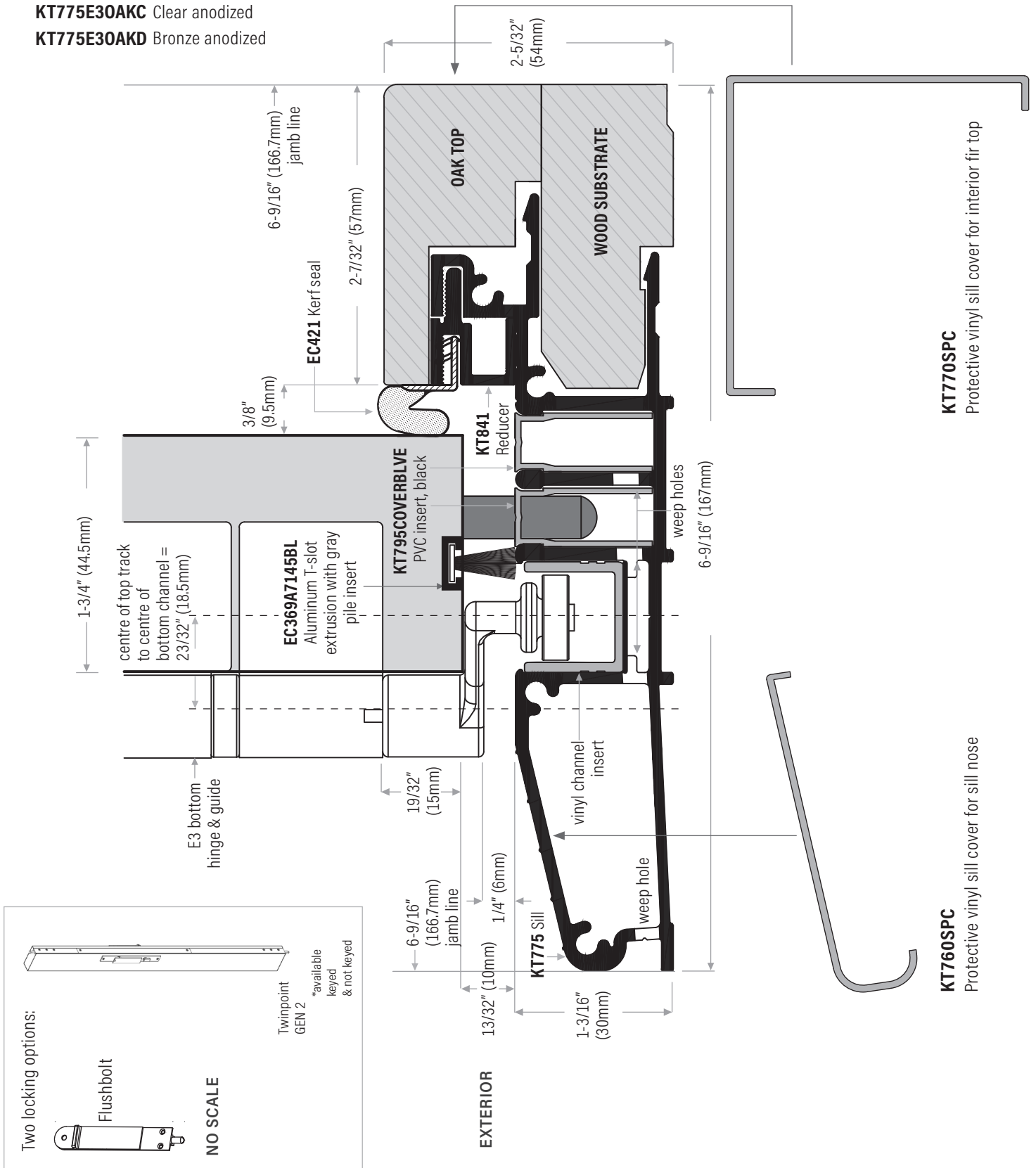
E3

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

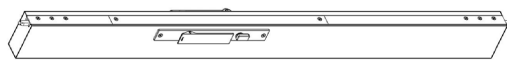


E3™ Jamb For 2-1/4" (57mm) Door Thickness

Exterior E3 Folding Door, Outswing Application

Two locking options:

DBOT Flushbolt

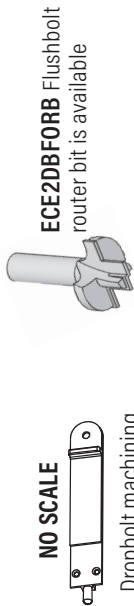


Twinpoint
GEN 2

*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)

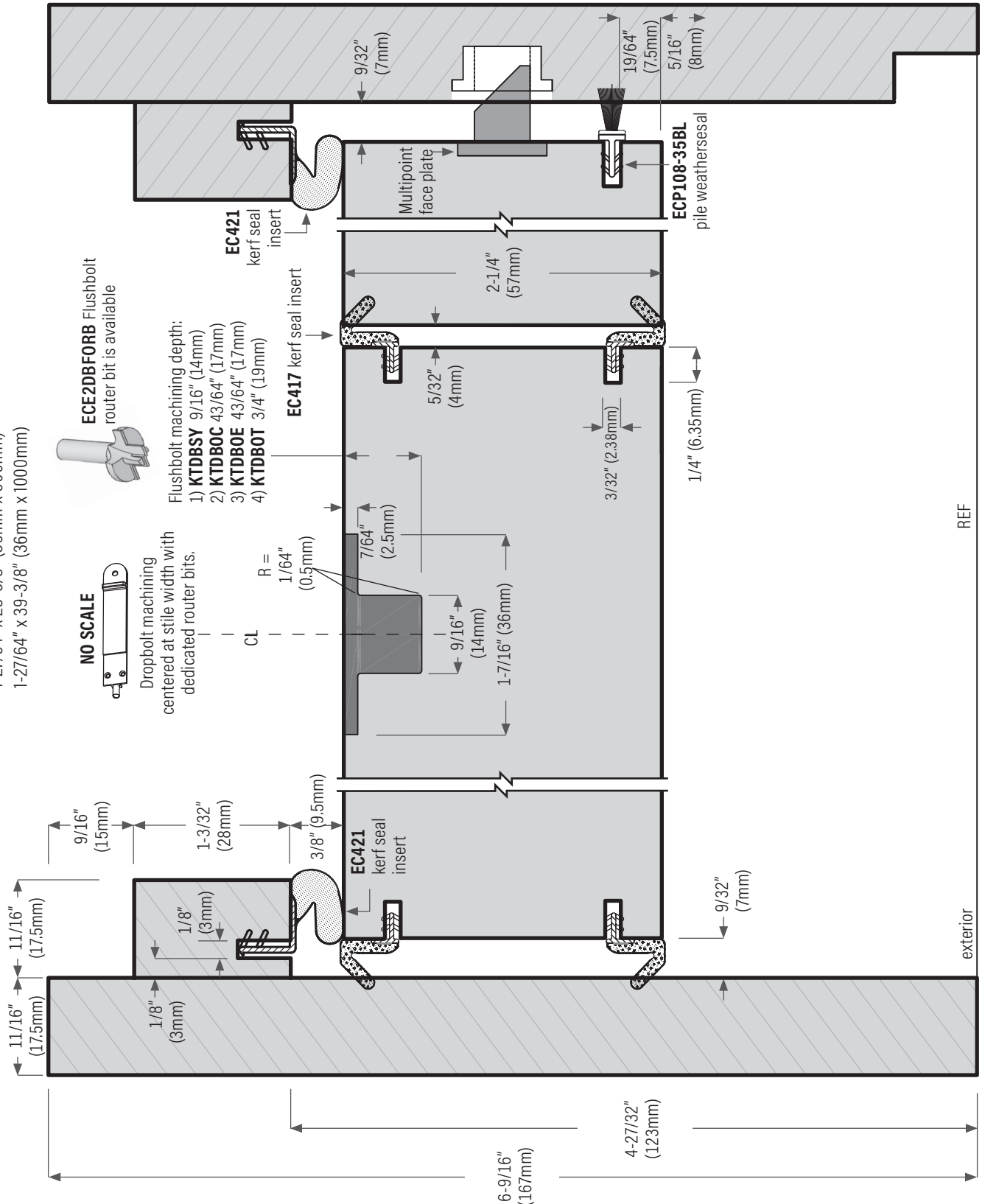


NO SCALE

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)



REF

exterior

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

Exterior E3 Folding Door, Outswing Application.

E3

Two locking options:

DBOT Flushbolt



Twinpoint
GEN 2

*available
keyed
& not keyed

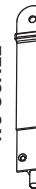
Actual machining for flushbolts (face plate)

- 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

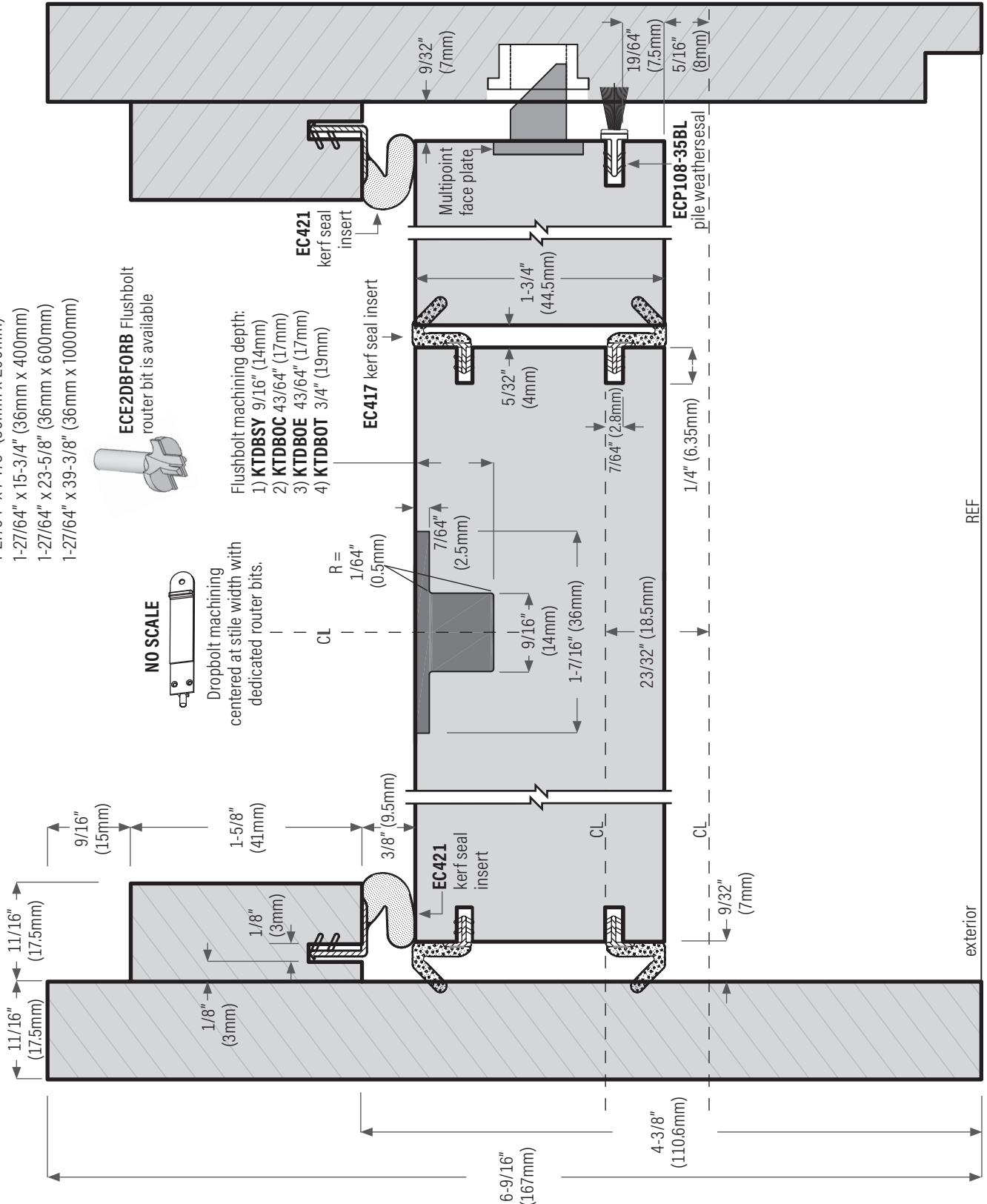
NO SCALE



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)



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

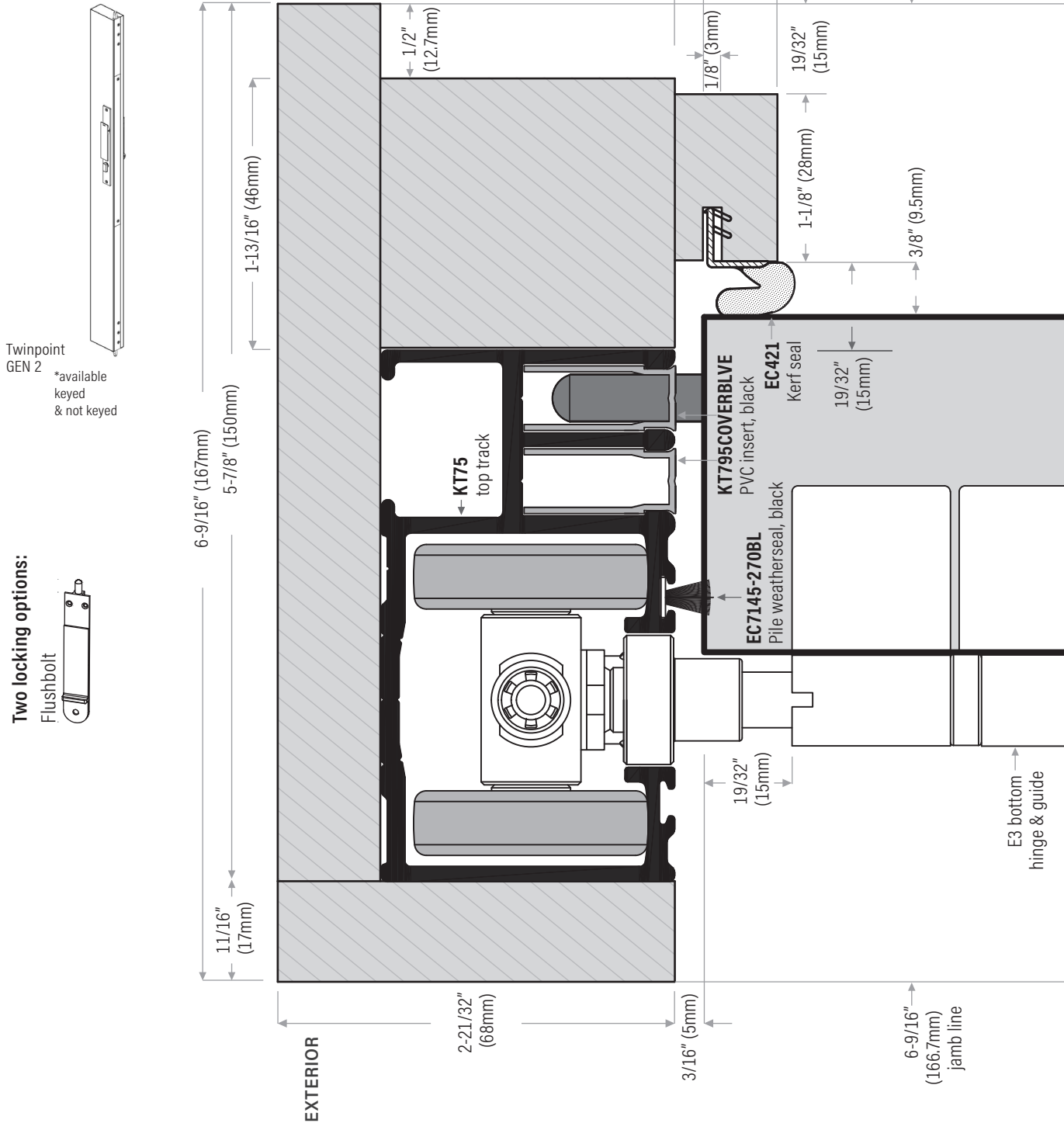
Exterior E3 folding door, EC75 Outswing application only.

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

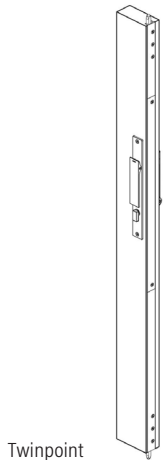
Exterior E3 folding door, EC75 Outswing application only.

Channel top track for flushbolt or twinpoint.

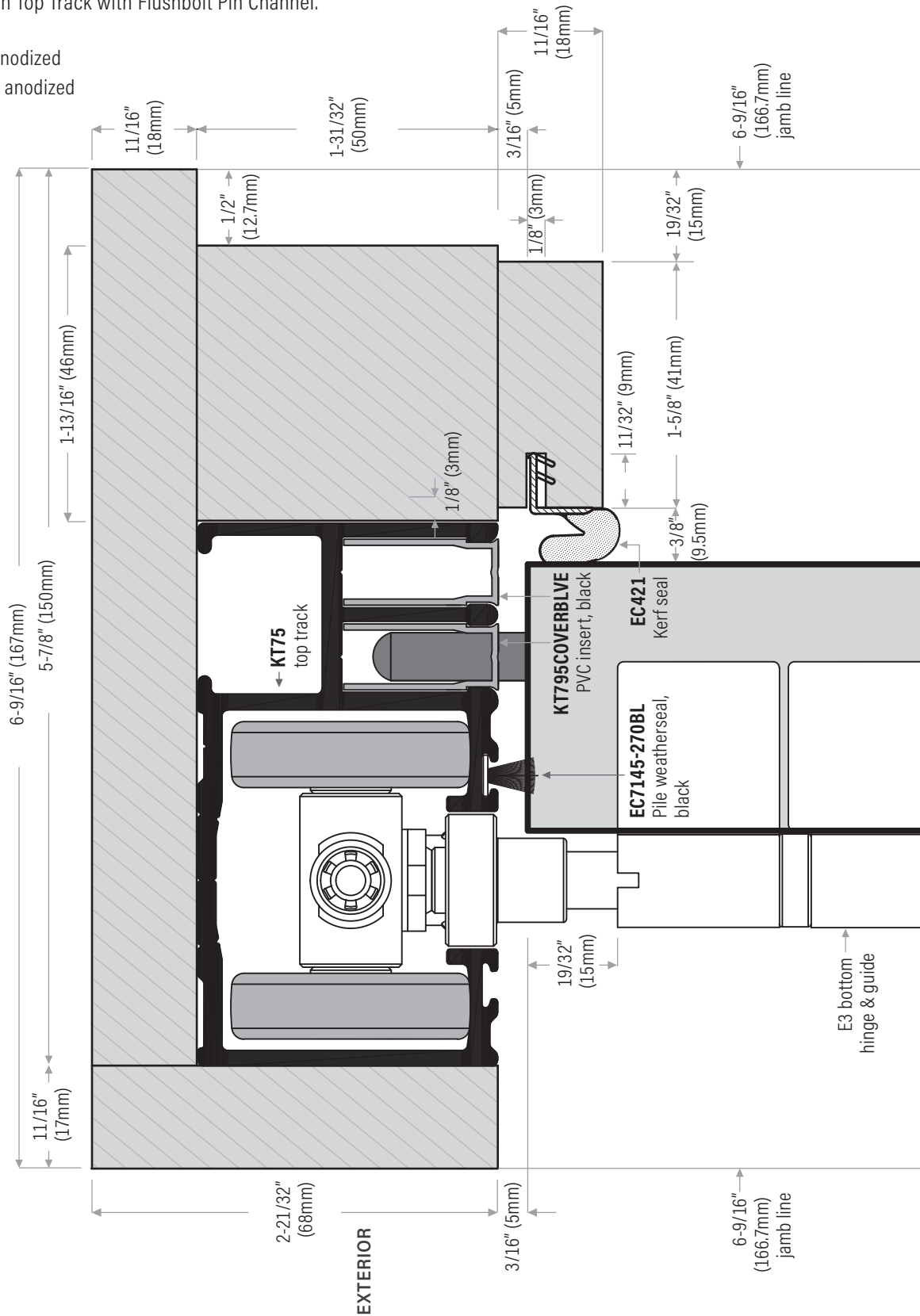
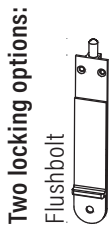
New Generation Top Track with Flushbolt Pin Channel.

KT75C Clear anodized

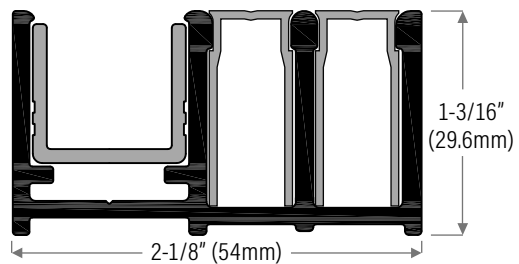
KT75D Bronze anodized



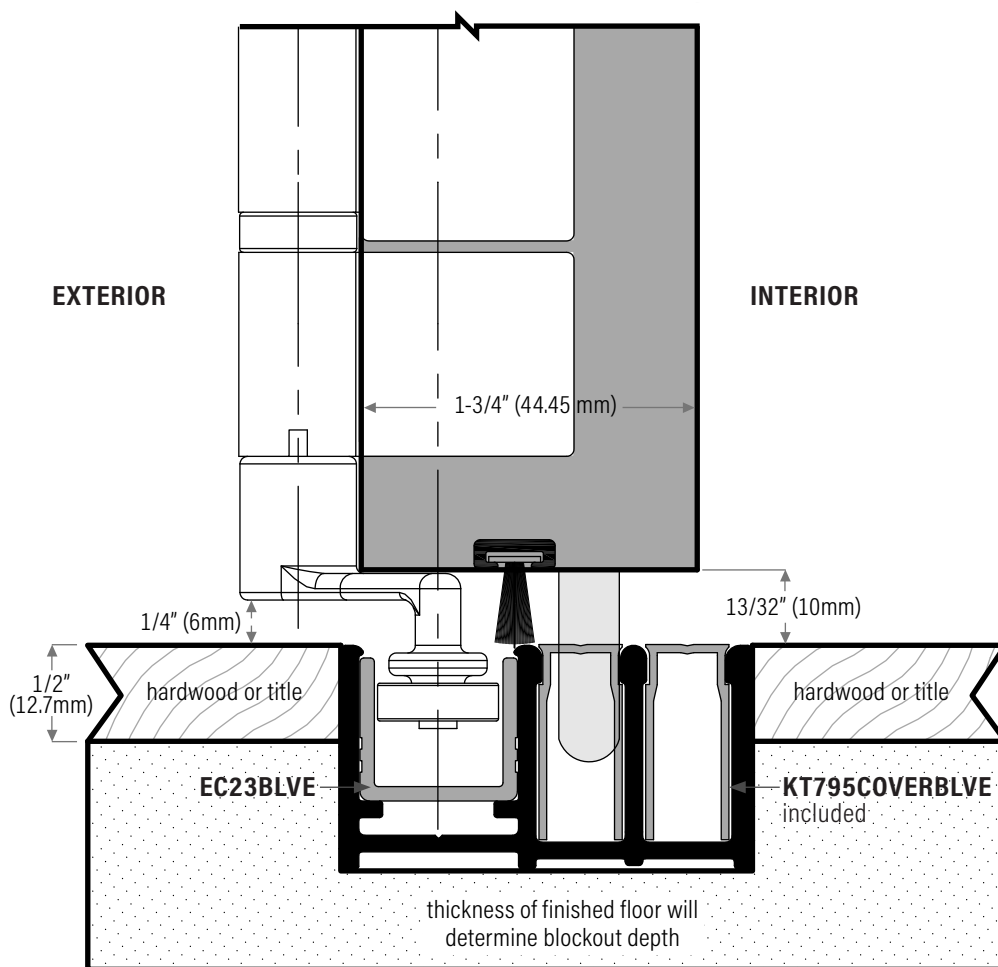
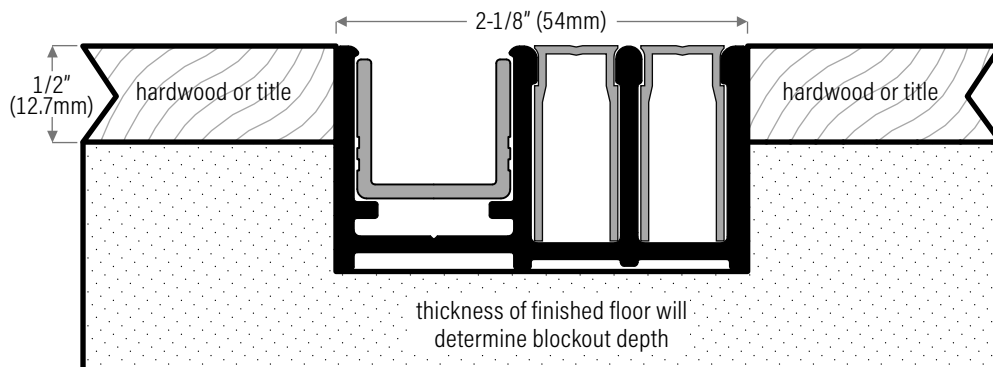
*available
keyed
& not keyed



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



KT218DV Aluminum bronze anodized with 3 pvc inserts, black



E3



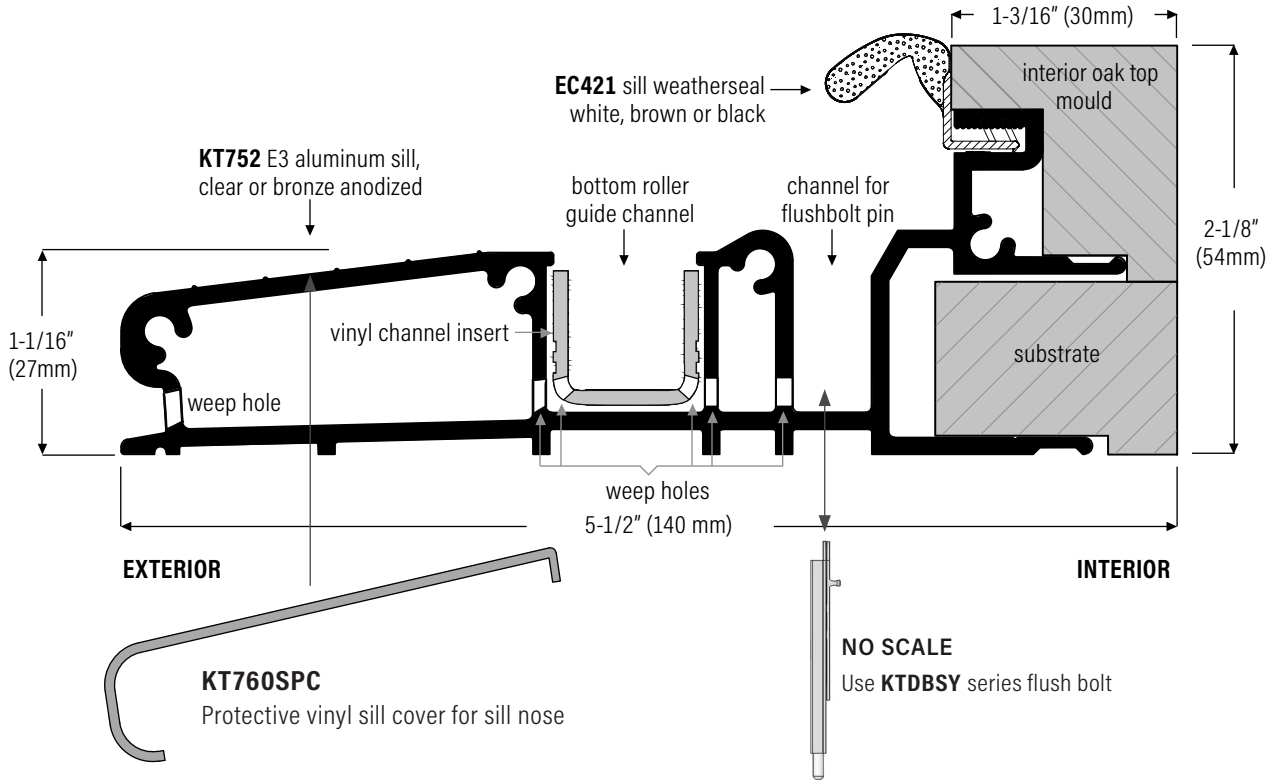
EC23DV Floor channel, bronze anodized with PVC insert, black
EC23BLVE PVC insert only, black
 (replacement part)
 Lengths available: 111", 147", 183", 222", 294"
 (2.81m, 3.73m, 4.64m, 5.63m, 7.46m)

EC23DV
Floor channel,
bronze anodized
with PVC insert, black

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

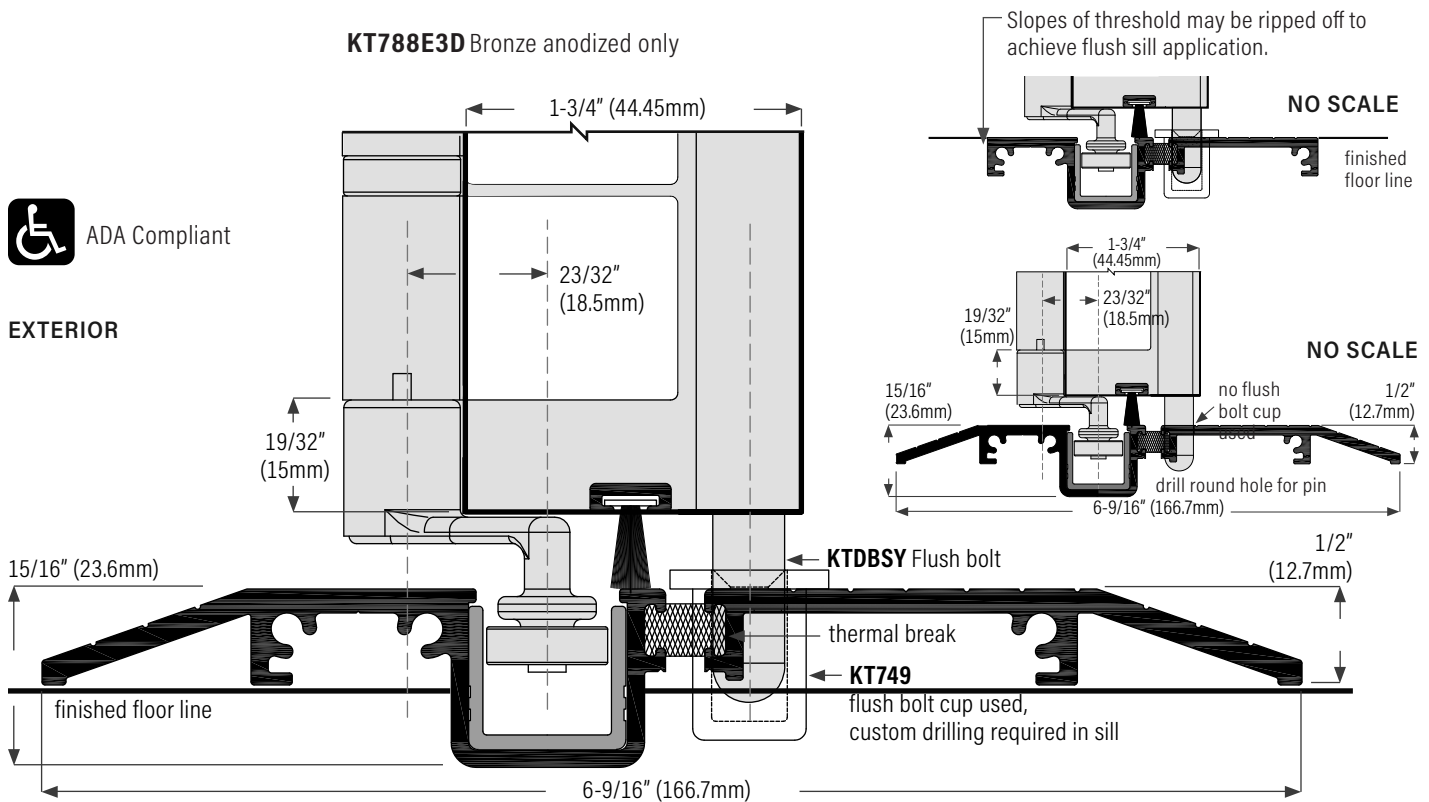
Only For 1-3/4" (44.5mm) Door Thickness & 4-9/16" (115.8 mm) Wall Thickness

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.



Surelock 5 Upgrade

E3

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)

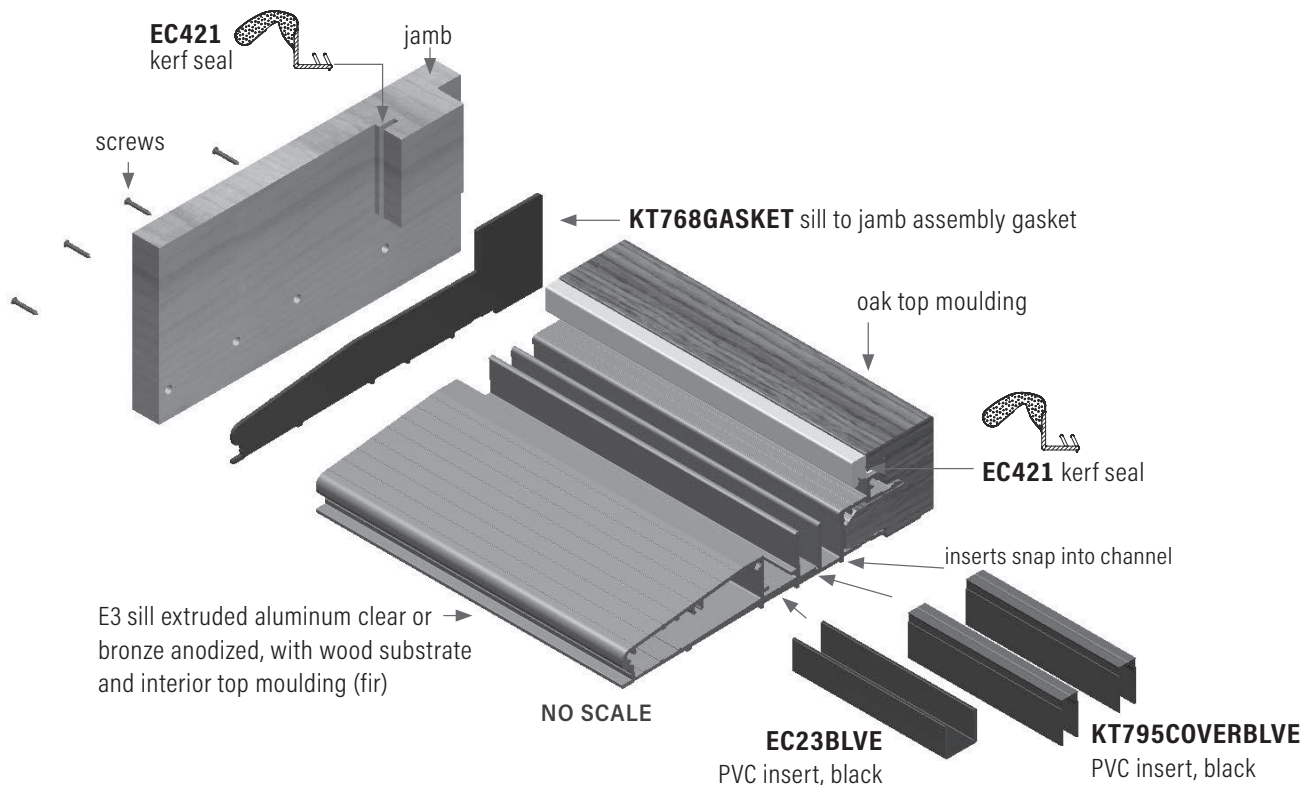
Max. panel width 48" (1200mm)



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



Jamb To Sill Assembly



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

[illegible]

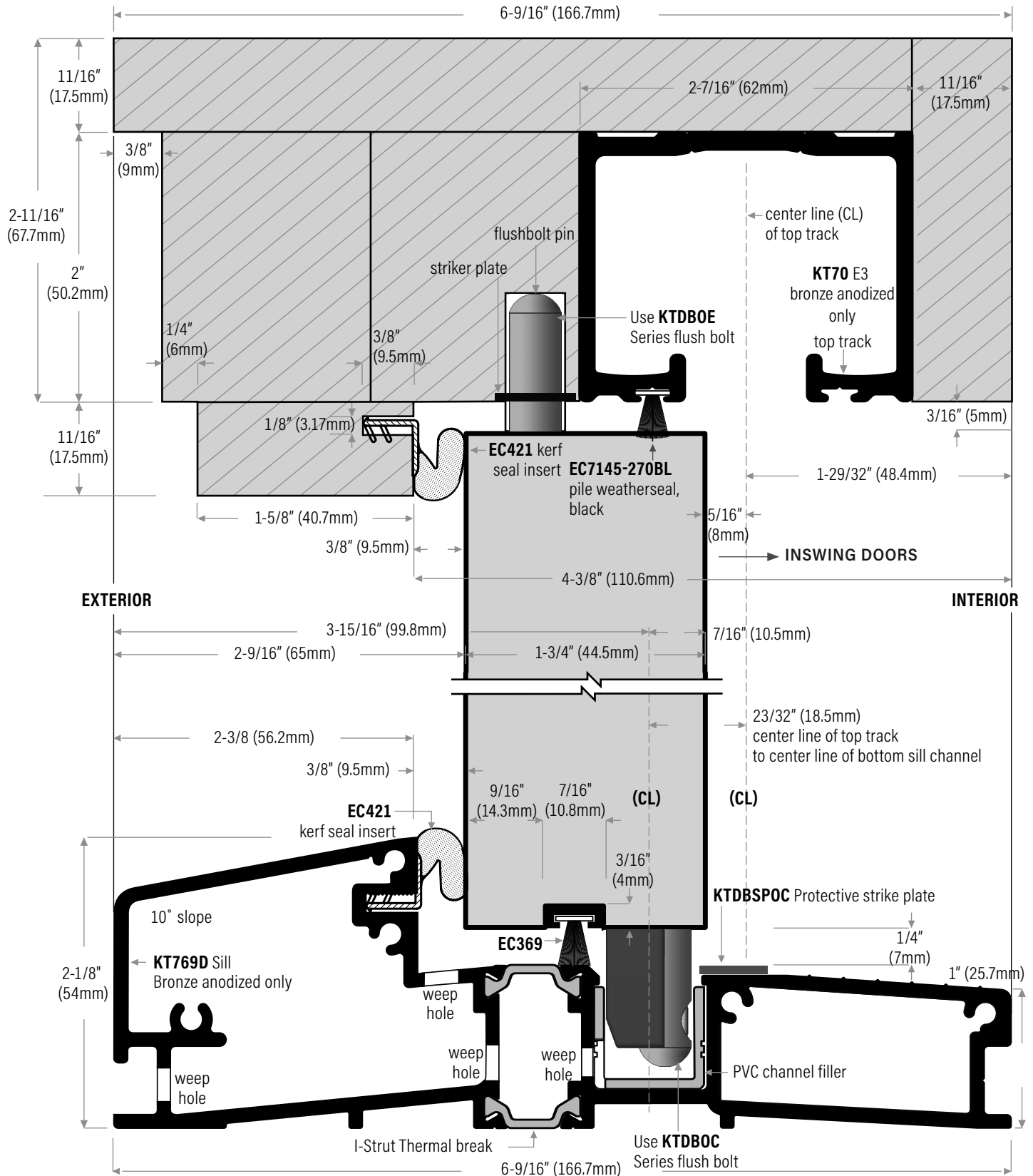
KT769D E3™ Sill System For 1-3/4" (44.5mm) Door Thickness

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



ECE3CBPIV0TH 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

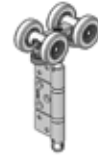
Right carrier sets
2 pieces



concealed
bottom guide

KTE3CICS

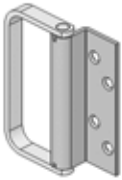
Intermediate carrier sets,
3 pieces



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**

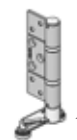
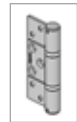
Half offset hinge sets
without middle handle for
inswing doors - 3 pieces



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

Hinge Set (Flat)

No middle handle for inswing doors



3 pieces
KTE3HHNHTG PVD brass ✱
KTE3HHNHSSOL PVD bronze
KTE3HHNHSS 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
KTE3HHSS 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 ✱
KTE3HHOL PVD bronze
KTE3HSS stainless steel

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

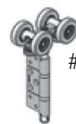
Replacement Screws for all hinges

KTE3SCREWTG PVD brass ✱
KTE3SCREWOL PVD bronze
KTSCREWSS stainless steel

Number of Hinges for Panel Heights of 80" to 144" (2032mm to 3657mm)

Pivot set top & bottom

Intermediate carrier sets



#1



#2



#3



#4



#5

Up to 96" (2438mm) door height use 1, 3, 5

96-1/16" to 108" (2440 to 2743mm) use 1, 2, 3, 5

108-1/16" to 144" (2745 to 2997mm) use 1, 2, 3, 4, 5

Hinge set or half offset hinge set



#1



#2



#3



#4

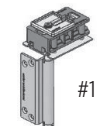


#5

Up to 96" (2438mm) door height use 1, 3, 5

96-1/16" to 108" (2440 to 2743mm) use 1, 2, 3, 5

108-1/16" to 144" (2745 to 2997mm) use 1, 2, 3, 4, 5



#1



#2



#3



#4



#5

Up to 87-15/16" (2234mm) door height use 1 & 5

88" to 96" (2235 to 2438mm) door height use 1, 3, 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

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

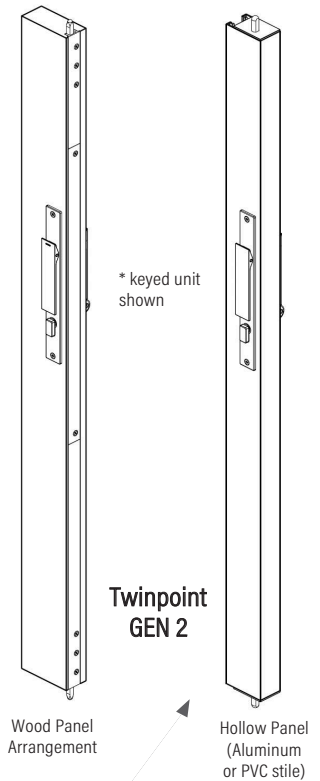
ENGINEERED FOR STRENGTH



- 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.

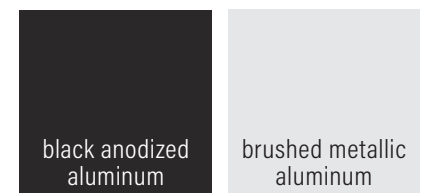
MODERN FINISHES

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



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

Twinpoint Housing Finishes



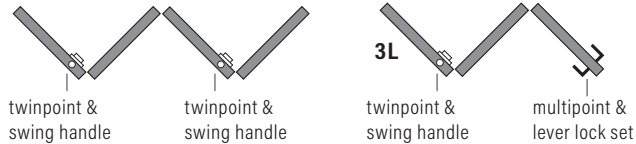
Twinpoint Swing Handle (SS)



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

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.

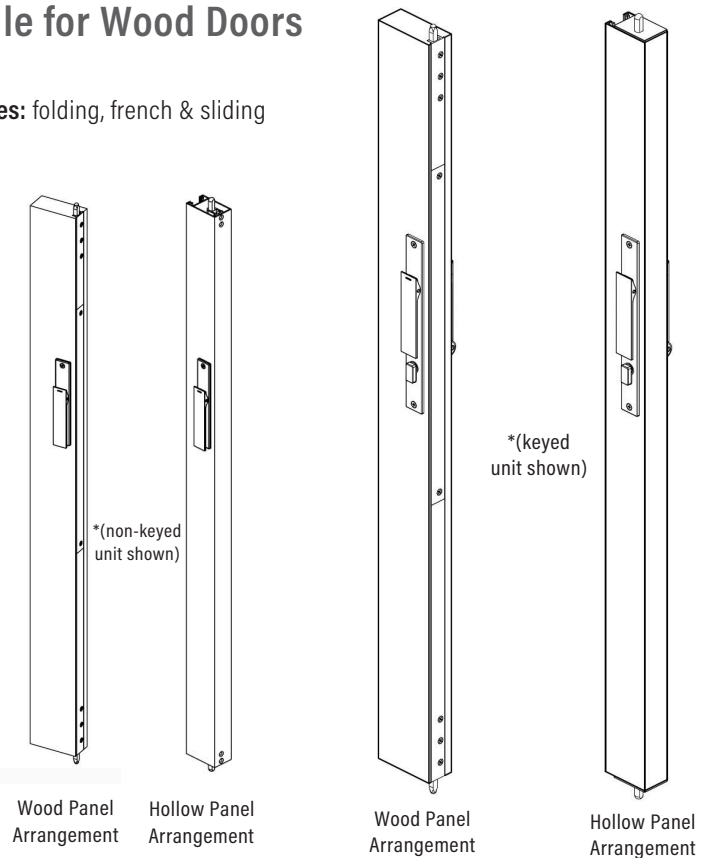
For people with mobility impairments, the Twinpoint offers the security of two flushbolts, but without the access problems associated with flushbolts being too high or low to reach, and hard-to-grip door handles.

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
TwinPoint Gen 2	Transmission Rods for Wood or Fiberglass doors
ECTPL-005-24-XS	TwinPoint transmission rod, cover plate and strike plate for 96" (2438mm) door height / brushed metallic aluminum finish
ECTPL-005-24-LY	TwinPoint transmission rod, cover plate and strike plate for 96" (2438mm) door height / black anodized finish
ECTPL-005-30-XS	TwinPoint transmission rod, cover plate and strike plate for 120" (3048mm) door height / brushed metallic aluminum finish
ECTPL-005-30-LY	TwinPoint transmission rod, cover plate and strike plate for 120" (3048mm) door height / black anodized finish

Gear Box for TwinPoint

ECTPL-003	Gear box for TwinPoint Gen 2 transmission rod, cover plate & handle 11" double
ECTPL-004	Gear box for TwinPoint Gen 2 transmission rods, cover & handle 7" single

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

Rod Adaptors

ECTPL-015-CD-01	Rod adaptors 1.575" backset
------------------------	-----------------------------

Twinpoint Gen 2 Swing Handle

ECTPL-001-AE-OL	Double handle 1-3/4" out 11" keyed black
ECTPL-001-AE-S	Double handle 1-3/4" out 11" keyed SS
ECTPL-001-EG-OL	Double handle 2-1/4" out 11" keyed black
ECTPL-001-EG-S	Double handle 2-1/4" out 11" keyed SS
ECTPL-002-C-OL	Single handle 1-3/4" out 7" non-keyed black
ECTPL-002-C-S	Single handle 1-3/4" out 7" non-keyed SS
ECTPL-002-G-OL	Single handle 2-1/4" out 1-3/4" in 7" non-keyed black
ECTPL-002-G-S	Single handle 2-1/4" out 1-3/4" in 7" non-keyed SS
ECTPL-002-I-OL	Single handle 2-1/4" in 7" non-keyed black
ECTPL-002-I-S	Single handle 2-1/4" in 7" non-keyed SS

Cup for ADA Sill and Channel

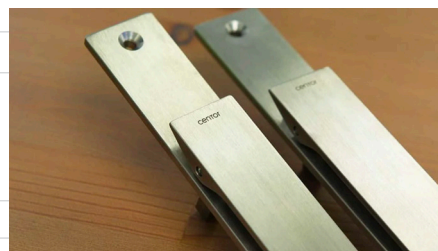
ECLTBC8SS	Brushed S.S. Finish
ECLTBC8SOL	PVD Bronze Finish

Eclipse E3 Drilling Jig for E3 Hinge placement on door

ECE3DJ	Eclipse E3 drilling jig for wood doors
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Strike Plate for Head (For replacement purposes only) One strike supplied with Twinpoint (Standard)

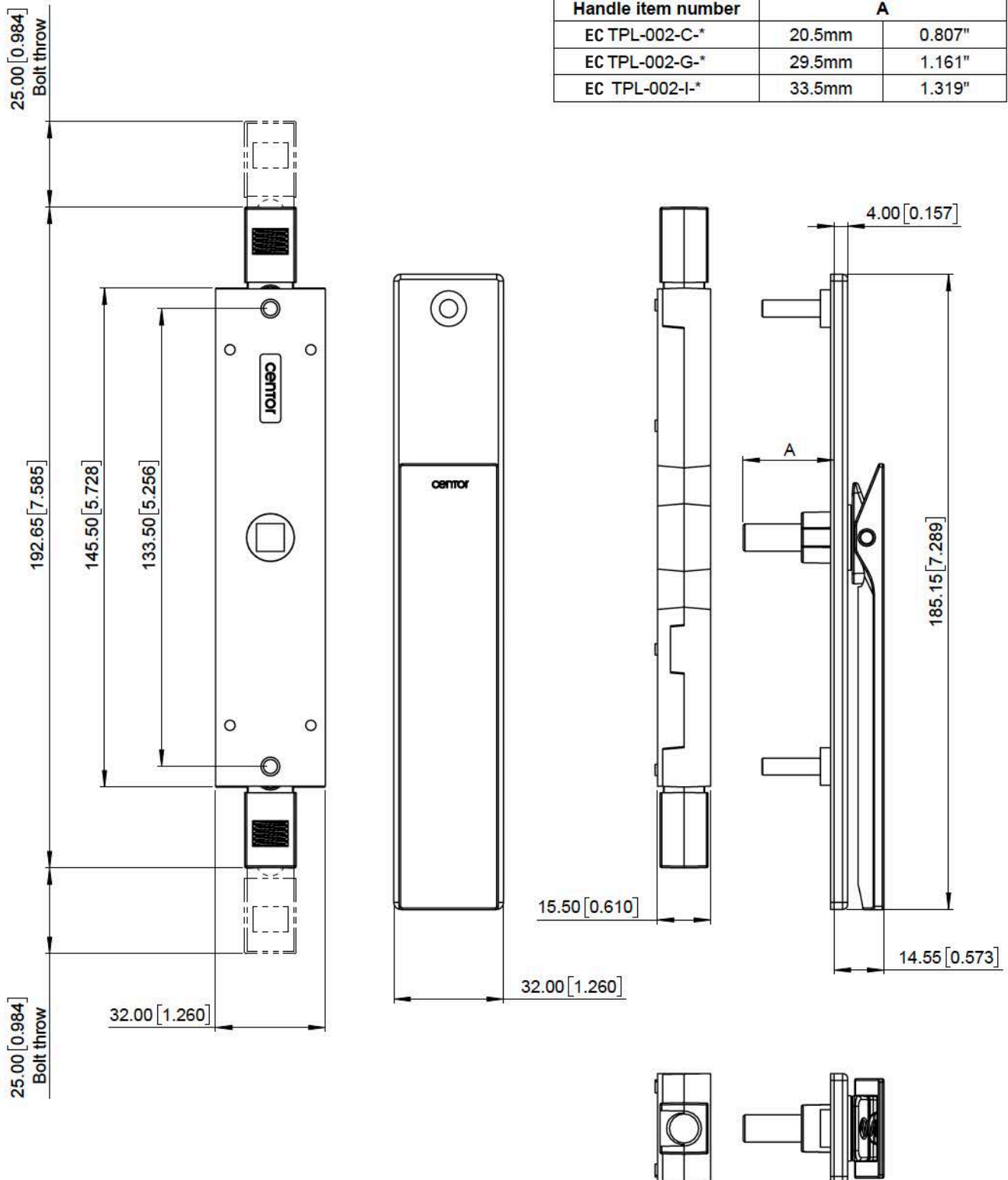
ECLTSP8SS	Brushed S.S. Finish
ECLTSP80L	PVD Bronze Finish



TwinPoint Gen2 - Wood Panel

SINGLE HANDLE NON-KEYED

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

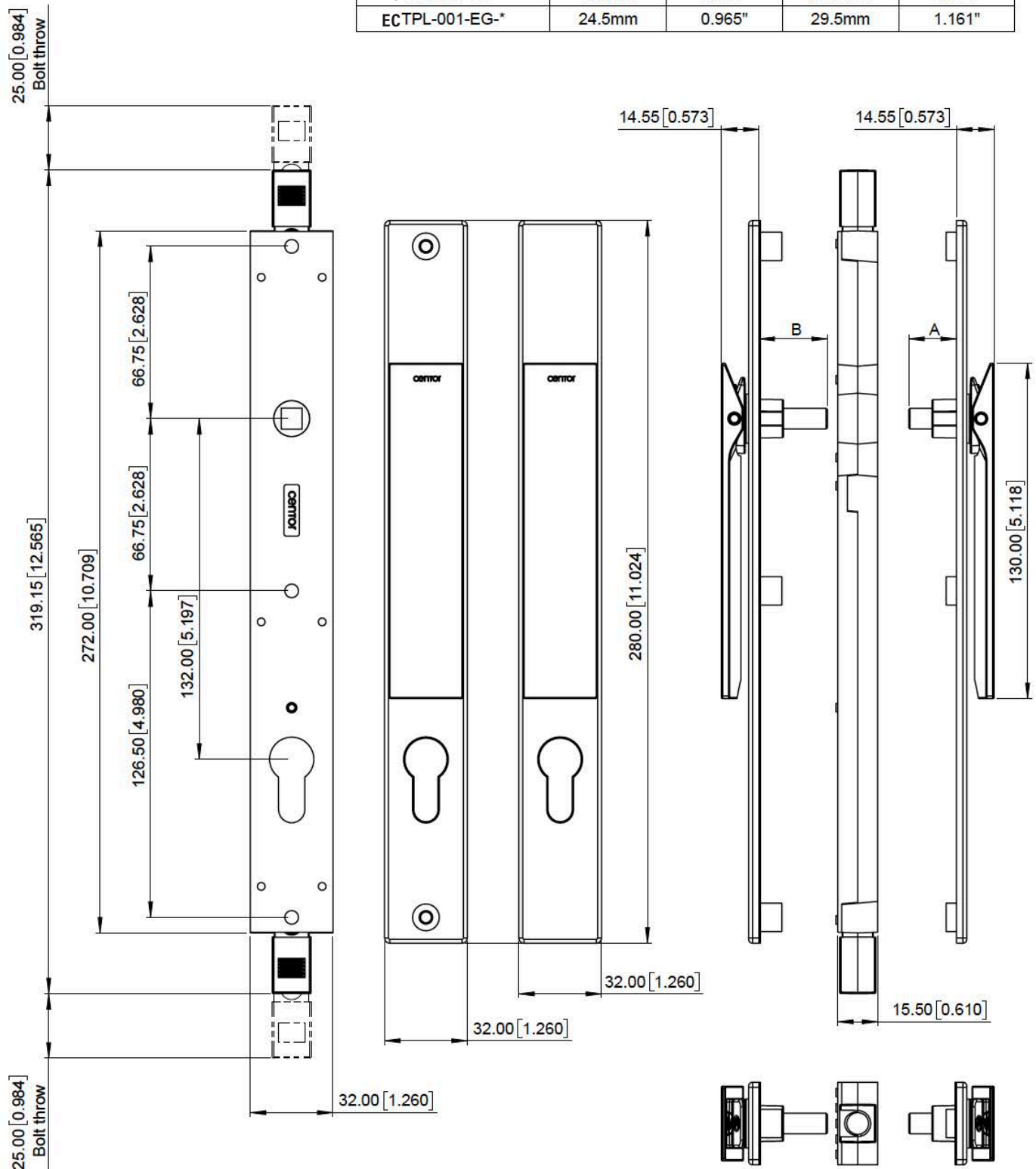


TwinPoint Gen2 - Wood Panel
DOUBLE HANDLE KEYED

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

TWINPOINT
Gen 2

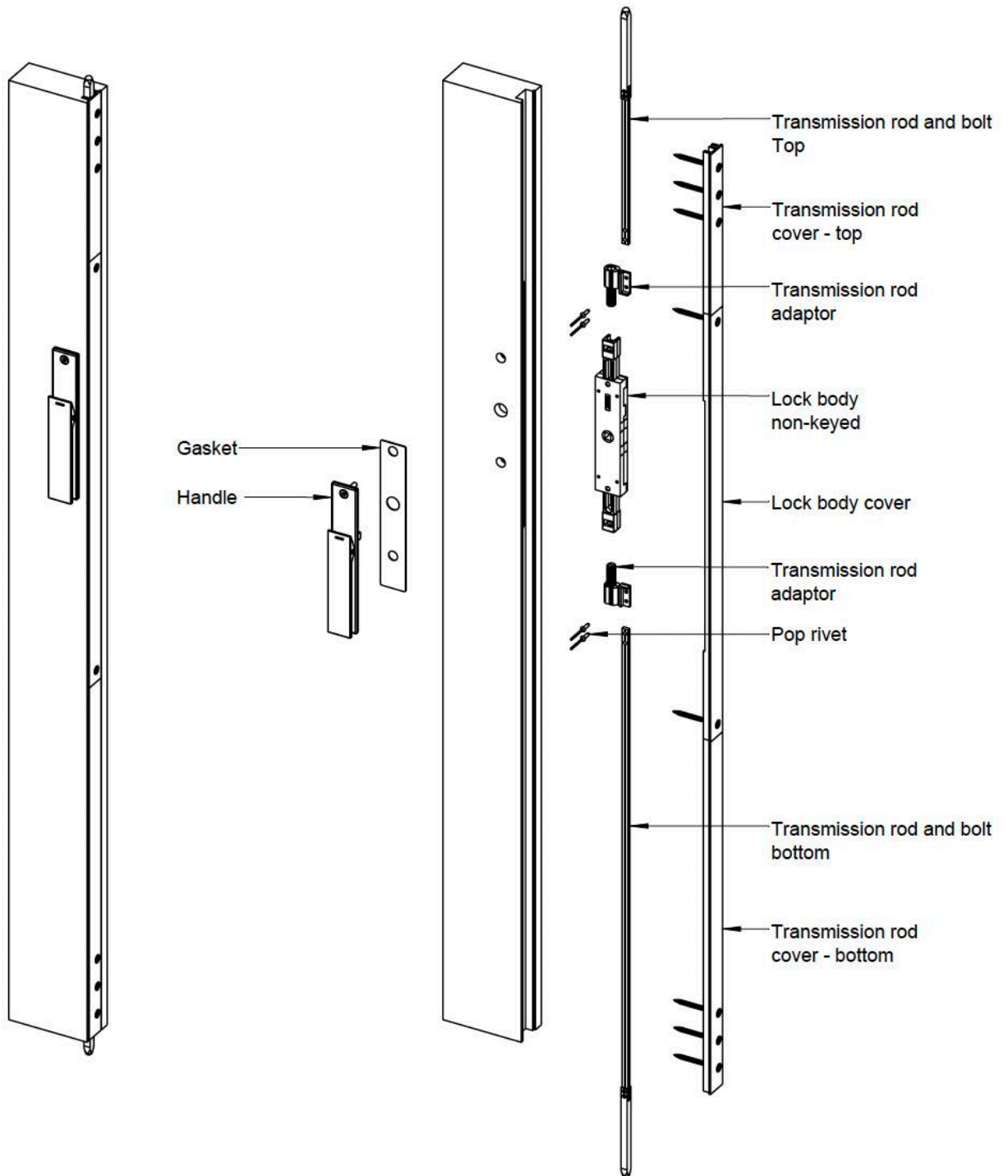
Handle item number	A (internal)		B (external)	
ECTPL-001-AE-*	16.5mm	0.650"	24.5mm	0.965"
ECTPL-001-EG-*	24.5mm	0.965"	29.5mm	1.161"



PRODUCT DETAIL

Wood Panels with TwinPoint Gen2 single handle non-keyed

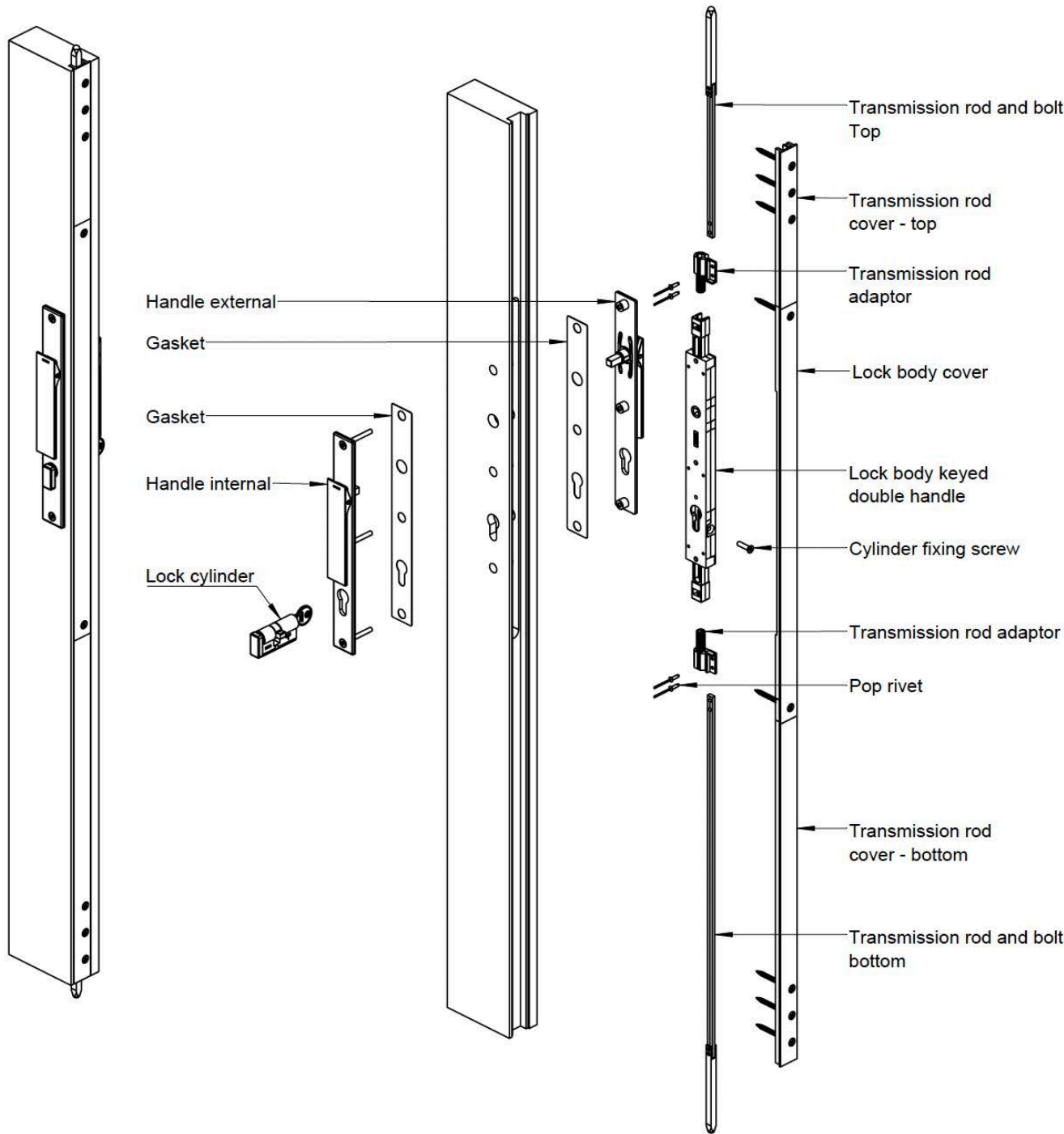
** Please refer to
www.eclipsefoldingdoorsystems.com for
complete machining specs for twinpoint*



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

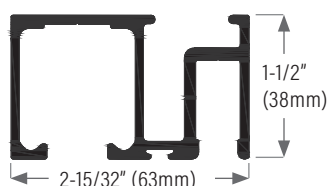
E2

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 jams 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.

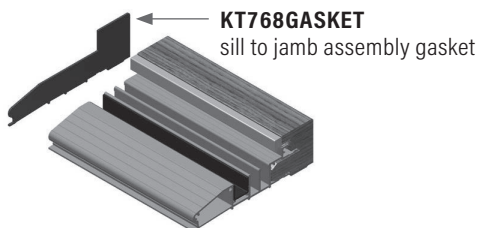
Parts Selection: Eclipse E2™ is specified with 5 separate groups: track, sill, weathersealing, flushbolts and hardware. Components are required from all 5 groups to build an Eclipse folding door system.

Top Track with flushbolt pin channel



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

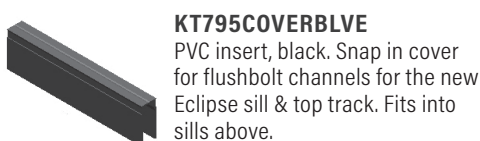
Sill System



Oak top water return sill, clear or bronze anodized.

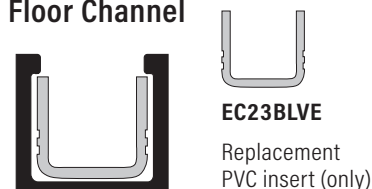
KT795 8" wide (203mm) for 1-3/4" (44.5mm) door.
 KT775 6-9/16" wide (167mm) for 1-3/4" (44.5mm) door.

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

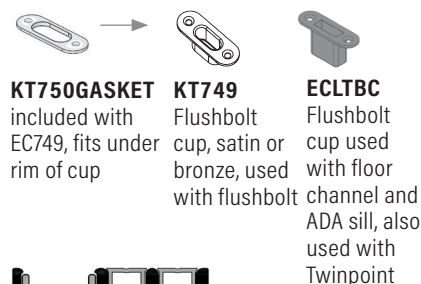


KT795C COVERBLVE
 PVC insert, black. Snap in cover for flushbolt channels for the new Eclipse sill & top track. Fits into sills above.

Floor Channel

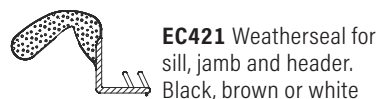


EC23DV floor channel, bronze anodized with PVC insert, black.
 Lengths available: 111", 147", 183", 222", 294"
 (2819mm, 3734mm, 4648mm, 5639mm, 7467mm)



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

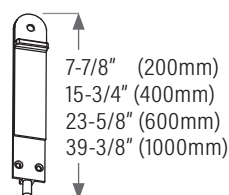


EC7145-270BL Pile weatherseal for KT70 & KT75 top track, black

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

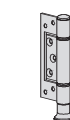
*available keyed & not keyed

Hardware

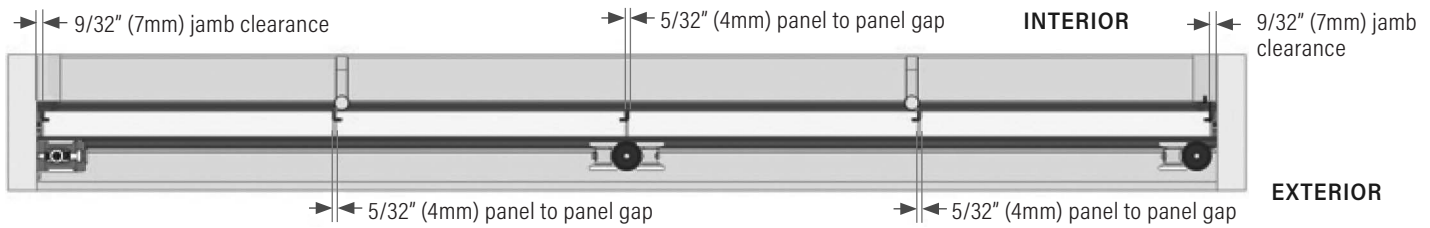
2 stock finishes available: Stainless steel & pvd bronze



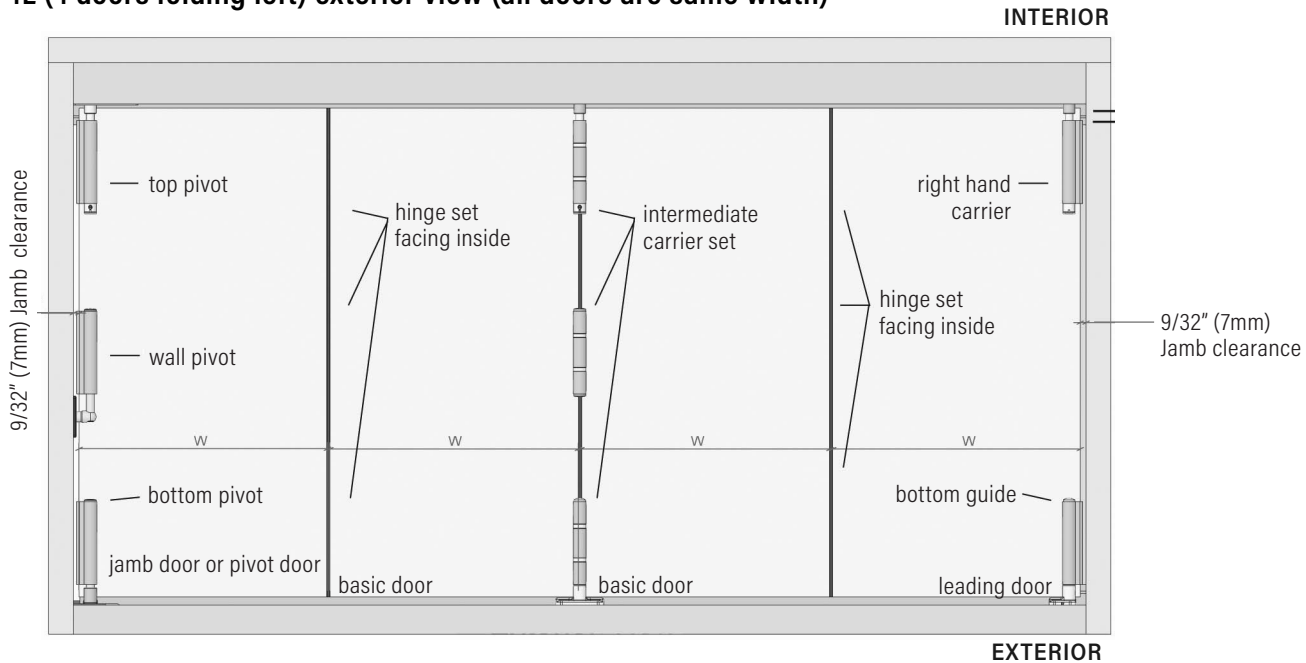
*PVD brass (TG) finish is custom order, call for manufacturing time.



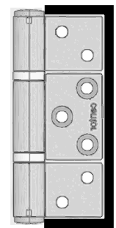
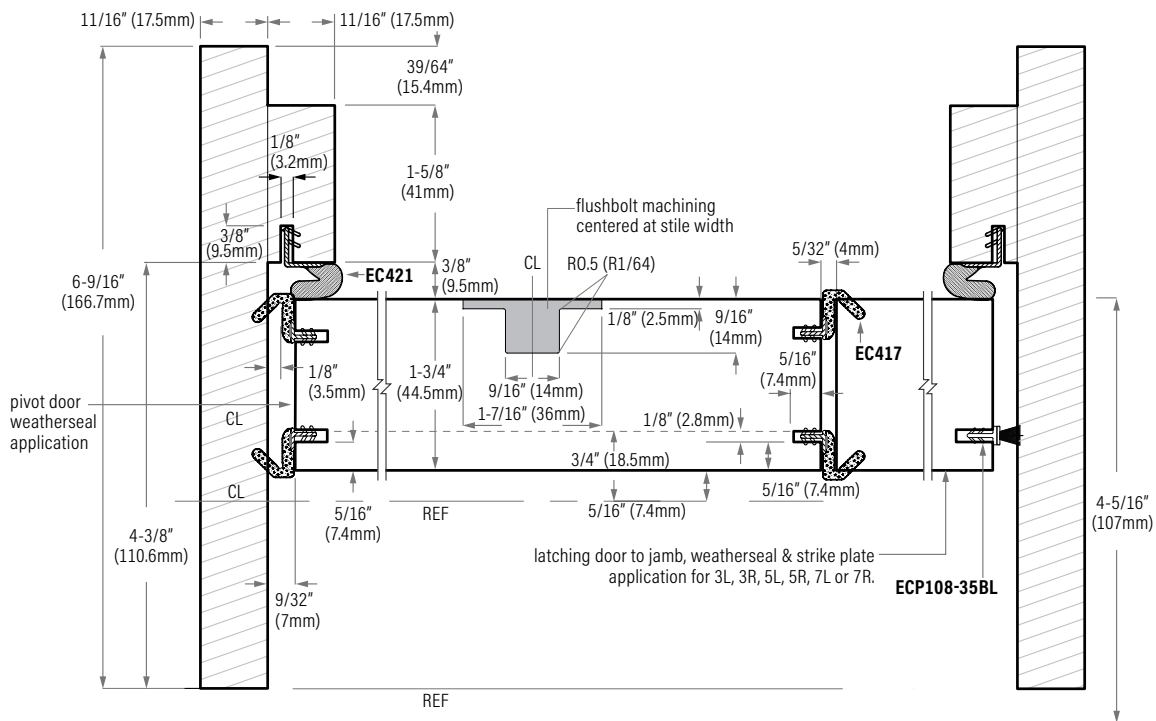
Outswing application



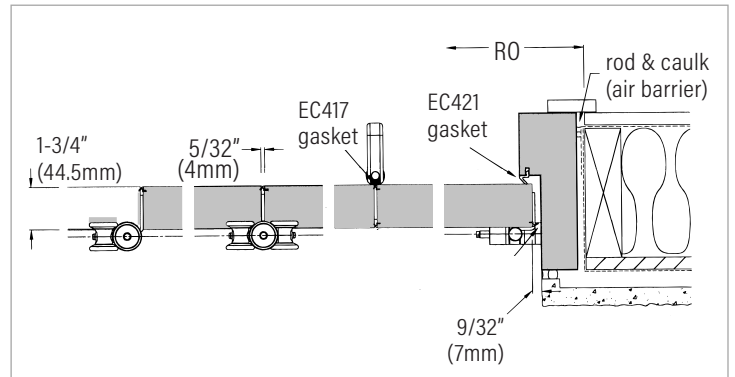
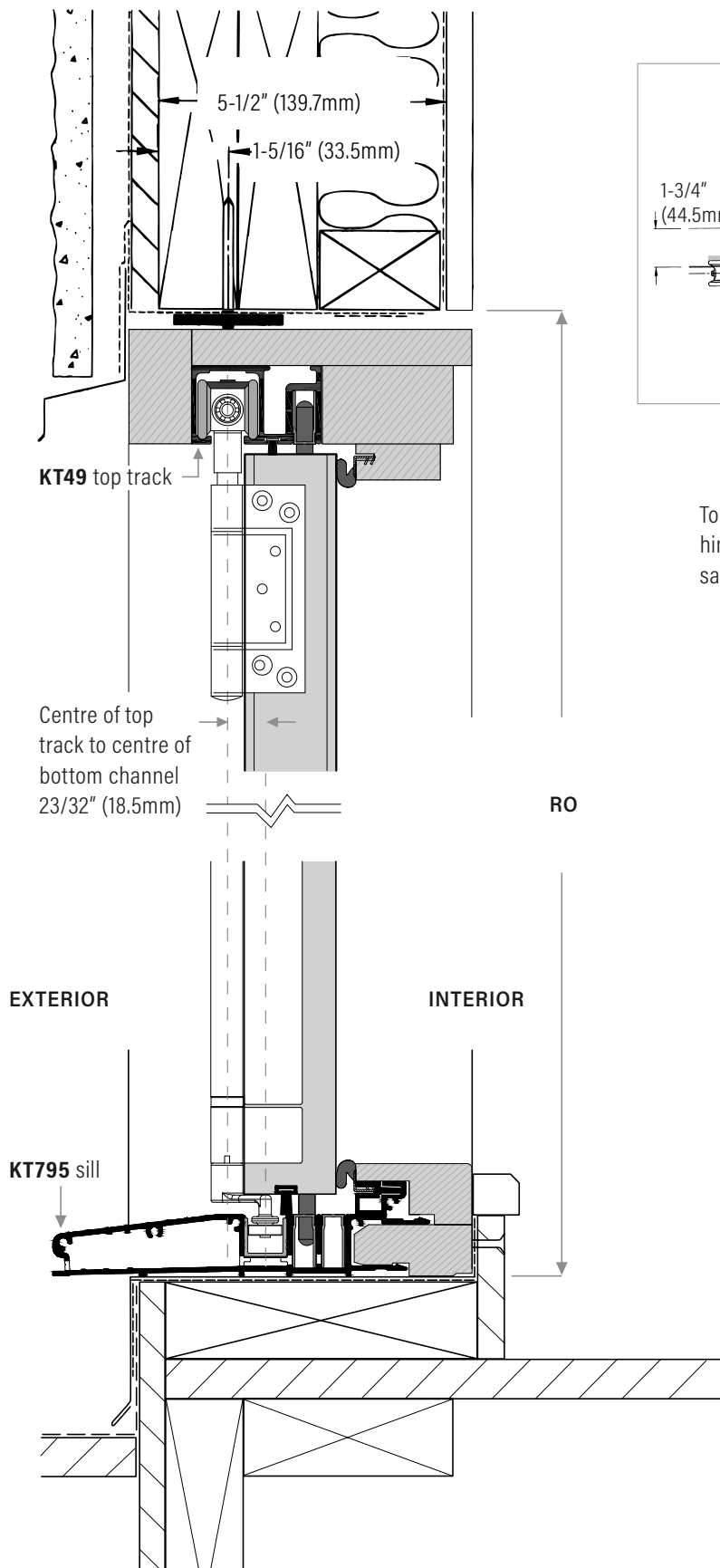
4L (4 doors folding left) exterior view (all doors are same width)



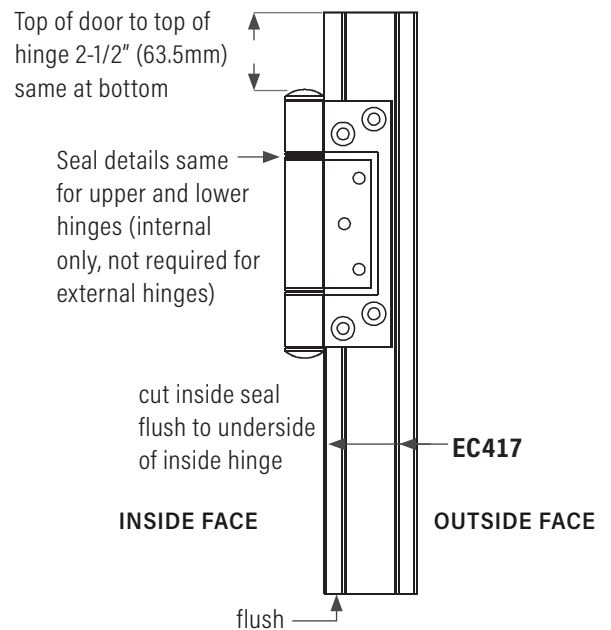
EC417 & ECP108-35BL weatherseal detail for 1-3/4" (44.5mm) door



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



Hinge Set Placement



E2 Hardware List For Door Configurations

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

From left to right

2L		INTERIOR EXTERIOR PS FB HS 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
2L1R		INTERIOR EXTERIOR PS FB HS	2x KTE2CPS pivot set 1x KTE2CRCS right carrier set 1x KTE2HS hinge set 2x KTDB non-keyed flushbolt
3L		INTERIOR EXTERIOR PS FB HHS DH ESP	1x KTE2CPS pivot set 1x KTE2CICS intermediate carrier set 1x KTE2HHS half offset hinge set 2x KTDB non-keyed flushbolt
3L1R		INTERIOR EXTERIOR PS FB HHS DH may be reversed	2x KTE2CPS pivot set 1x KTE2CICS intermediate carrier set 1x KTE2HHS half offset hinge set 4x KTDB non-keyed flushbolt
4L		INTERIOR EXTERIOR PS FB HHS 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
4L1R		INTERIOR EXTERIOR PS FB HHS RCS	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
3L2R		INTERIOR EXTERIOR PS FB HHS DH LCS HS	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
5L		INTERIOR EXTERIOR PS FB HHS HS DH ESP	1x KTE2CPS pivot set 2x KTE2CICS intermediate carrier set 1x KTE2HS hinge set 1x KTE2HHS half offset hinge set 4x KTDB non-keyed flushbolt
3L3R		INTERIOR EXTERIOR PS FB HHS DH RCS	2x KTE2CPS pivot set 2x KTE2CICS intermediate carrier set 2x KTE2HHS half offset hinge set 6x KTDB non-keyed flushbolt
7L		INTERIOR EXTERIOR PS FB HHS HSHS DH ESP	1x KTE2CPS pivot set 3x KTE2CICS intermediate carrier set 2x KTE2HS hinge set 1x KTE22HHS half offset hinge set 6x KTDB non-keyed flushbolt
4L3R		INTERIOR EXTERIOR PS FB HHS DH RCS	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
5L2R		INTERIOR EXTERIOR PS FB HHS HS DH LCS HS	2x KTE2CPS pivot set 2x KTE2CICS intermediate carrier set 1x KTE2CLCS left carrier set 2x KTE2HS hinge set 1x KTE22HHS half offset hinge set 6x KTDB non-keyed flushbolt
5L3R		INTERIOR EXTERIOR PS FB HHS HS DH may be reversed	2x KTE2CPS pivot set 3x KTE2CICS intermediate carrier set 1x KTE2HS hinge set 2x KTE22HHS half offset hinge set 8x KTDB non-keyed flushbolt
6L		INTERIOR EXTERIOR PS FB HHS HS RCS 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 KTE22HHS half offset hinge set 6x KTDB non-keyed flushbolt

Hardware Legend

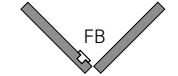
PS	Pivot set
WPS	Wall pivot set
MCS	Meeting carrier set
ICS	Intermediate carrier set
LCS	Left carrier set
RCS	Right carrier set
HHS	Half offset hinge set
HS	Hinge set (flat)
FB	Flushbolt
ESP	Extended strike plate
DH	Door hold
MAG	Magnet
TP	Twinpoint

Legend

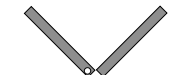
passage set
lock by other



flushbolts top & bottom



twinpoint option to fb



astragal



door hold



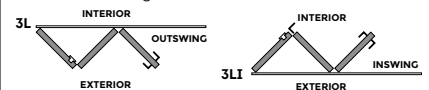
Floating Door Pairs



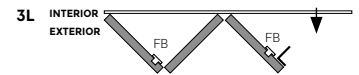
Per pair of doors:
1x KTE2CLCS left carrier set
1x KTE2CRCS right carrier set
1x KTE2HS hinge set
2x KTDB non-keyed flushbolt

How To Determine Swing Of Systems

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

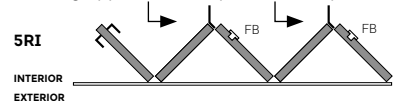


outswing application "D"
pull handle option



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

E2

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

From left to right

2R	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
1L2R	INTERIOR EXTERIOR			2x KTE2CPS pivot set 1x KTE2CLCS left carrier set 1x KTE2HS hinge set 2x KTDB non-keyed flushbolt
3R	INTERIOR EXTERIOR			1x KTE2CPS pivot set 1x KTE2CICS intermediate carrier set 1x KTE2HHS half offset hinge set 2x KTDB non-keyed flushbolt
1L3R	INTERIOR EXTERIOR			2x KTE2CPS pivot set 1x KTE2CICS intermediate carrier set 1x KTE2HHS half offset hinge set 4x KTDB non-keyed flushbolt
2L2R	INTERIOR EXTERIOR		This configuration 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
1L4R	INTERIOR EXTERIOR			2x KTE2CPS pivot set 1x KTE2CICS intermediate carrier set 1x KTE2CLCS left carrier set 2x KTE2HHS half offset hinge set 4x KTDB non-keyed flushbolt
4R	INTERIOR EXTERIOR		This configuration 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
2L3R	INTERIOR EXTERIOR			2x KTE2CPS pivot set 1x KTE2CICS intermediate carrier set 1x KTE2CRCS right carrier set 1x KTE2HS hinge set 1x KTE2HHS half offset hinge set 4x KTDB non-keyed flushbolt
5R	INTERIOR EXTERIOR			1x KTE2CPS pivot set 2x KTE2CICS intermediate carrier set 1x KTE2HS hinge set 1x KTE2HHS half offset hinge set 4x KTDB non-keyed flushbolt
3L4R	INTERIOR EXTERIOR			2x KTE2CPS pivot set 2x KTE2CICS intermediate carrier set 1x KTE2CLCS left carrier set 3x KTE2HHS half offset hinge set 6x KTDB non-keyed flushbolt
7R	INTERIOR EXTERIOR			1x KTE2CPS pivot set 3x KTE2CICS intermediate carrier set 2x KTE2HS hinge set 1x KTE2HHS half offset hinge set 6x KTDB non-keyed flushbolt
2L5R	INTERIOR EXTERIOR			2x KTE2CPS pivot set 2x KTE2CICS intermediate carrier set 1x KTE2CRCS right carrier set 2x KTE2HS hinge set 1x KTE2HHS half offset hinge set 6x KTDB non-keyed flushbolt
8R	INTERIOR EXTERIOR		This configuration 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

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

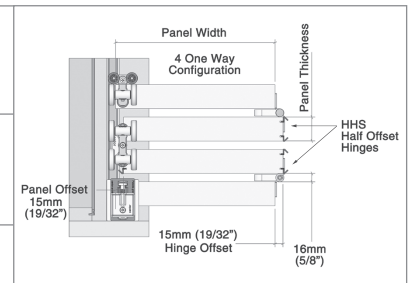
Door Hold
DH

Floating Door Pairs

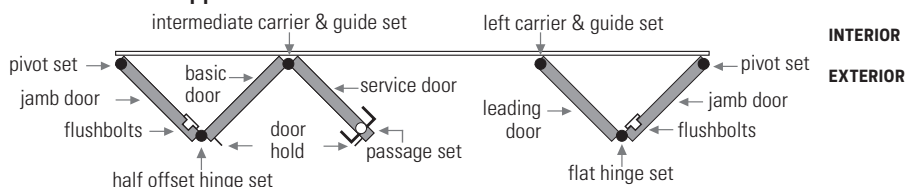
INTERIOR

EXTERIOR

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



3L2R Hardware Application

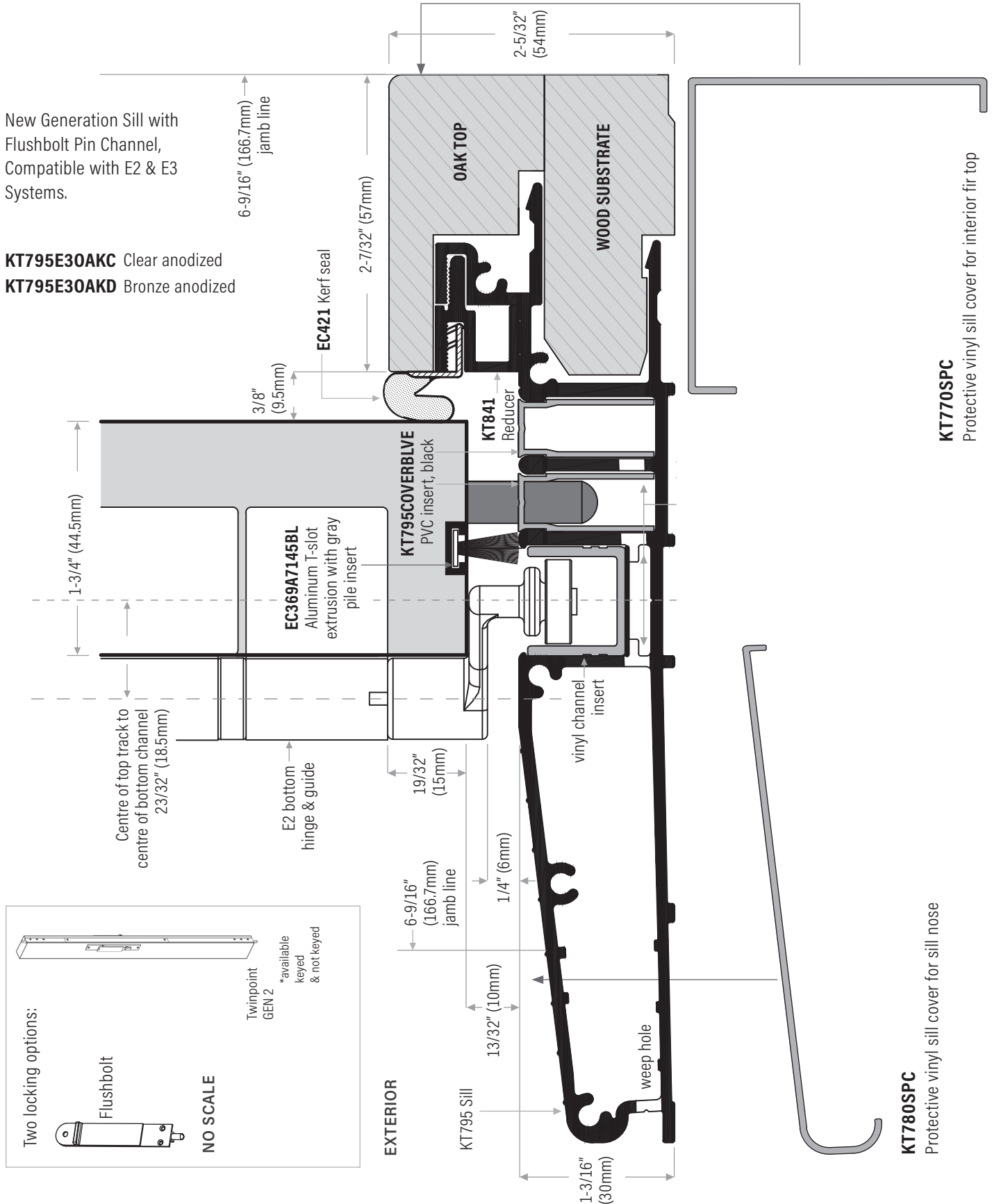


KT795 (8") Outswing Sill System For 1-3/4" (44.5mm) Door Thickness

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

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

KT795E30AKC Clear anodized
KT795E30AKD Bronze anodized



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)

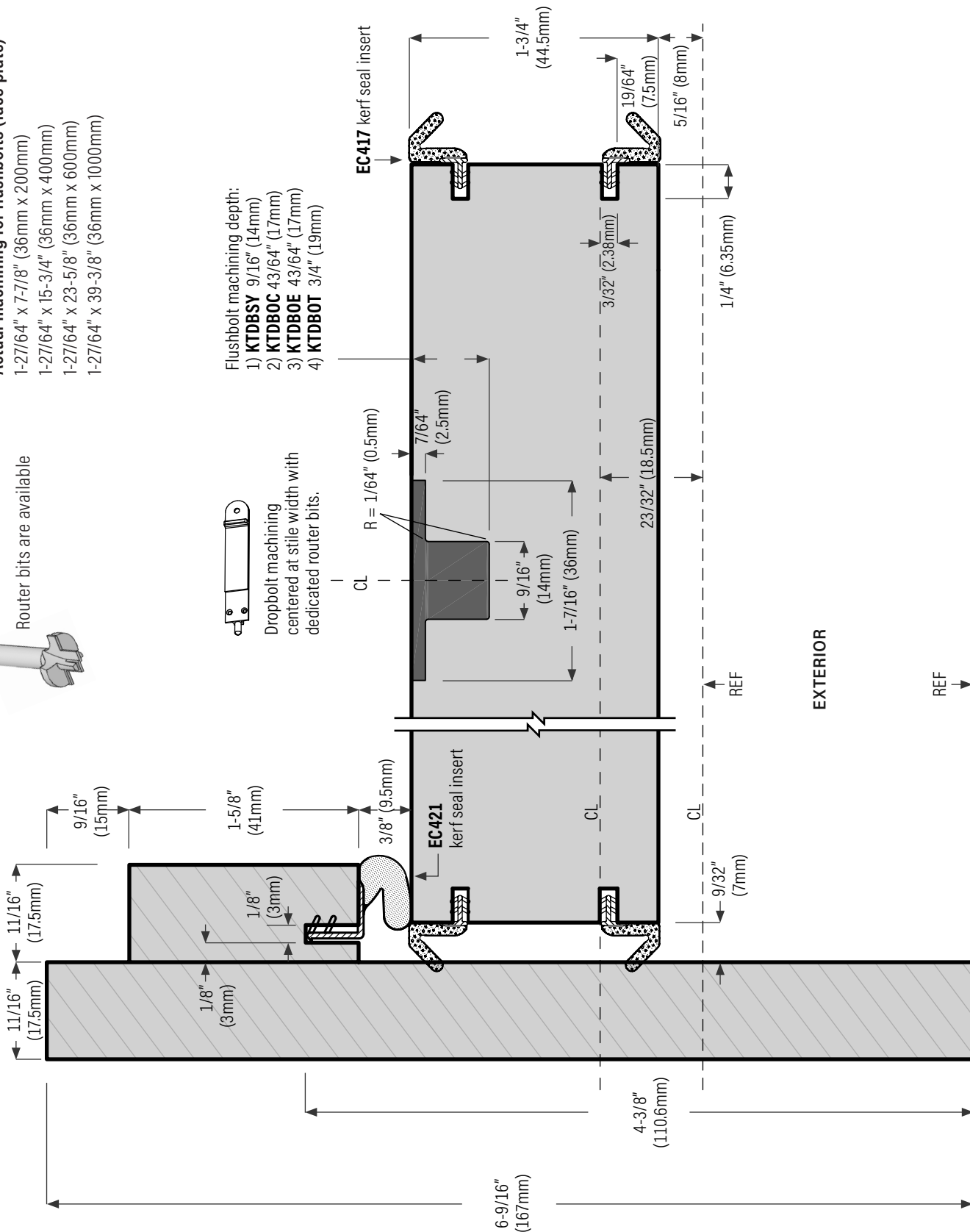


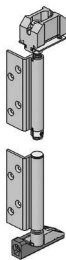
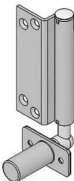
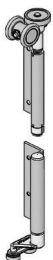
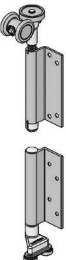
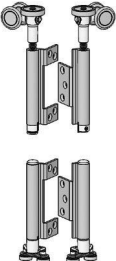
Flushbolt machining depth:

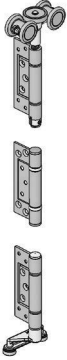
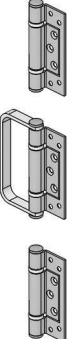
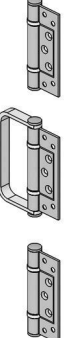
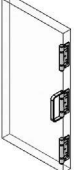
- 1) **KTDBSY** 9/16" (14mm)
- 2) **KTDBOC** 43/64" (17mm)
- 3) **KTDBOE** 43/64" (17mm)
- 4) **KTDBOT** 3/4" (19mm)



Dropbolt machining
centered at stile width with
dedicated router bits.



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

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



E2i™ System For Interior Folding Doors

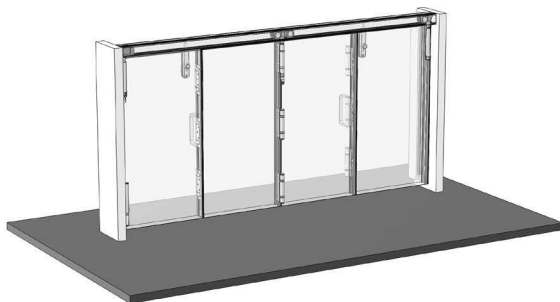
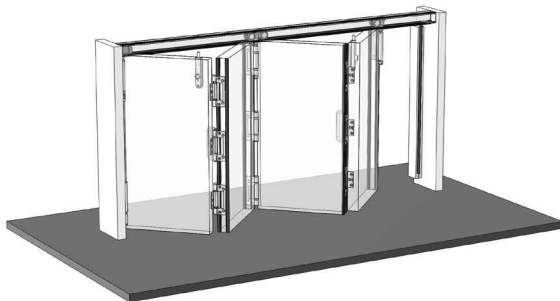
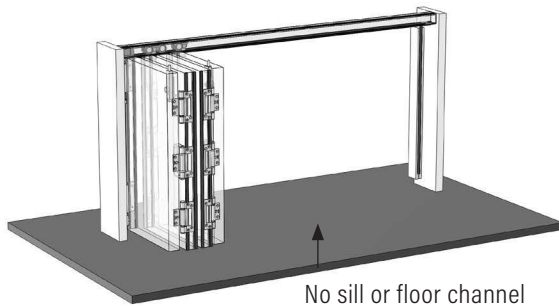
E2i internal bifold system without a bottom sill or floor channel is based on Eclipse's standard E2 hardware system and uses Centor's proven bifold window technology. For interior applications only, it is designed for seamless transitions between rooms and interior spaces. All the benefits of the versatile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

In A Single Direction

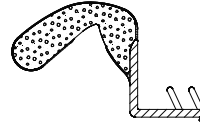
max opening:	26' (7.9m)
max panel weight:	90lb (40kg) per panel
max panel height:	118" (2998mm)
max panel width:	39" (991mm)
min panel thickness:	1-3/8" (35mm)
max number of panels:	8 (4 each direction)

E2i 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.

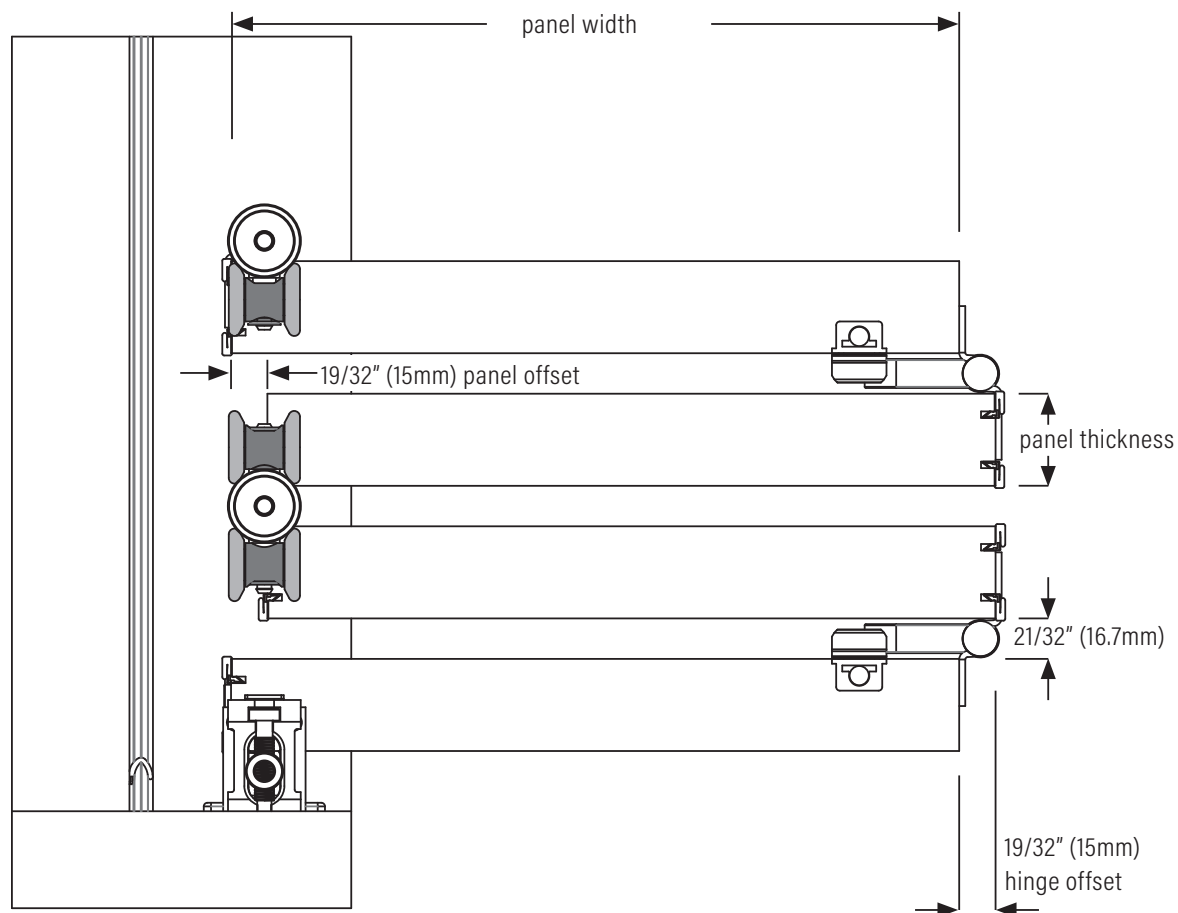
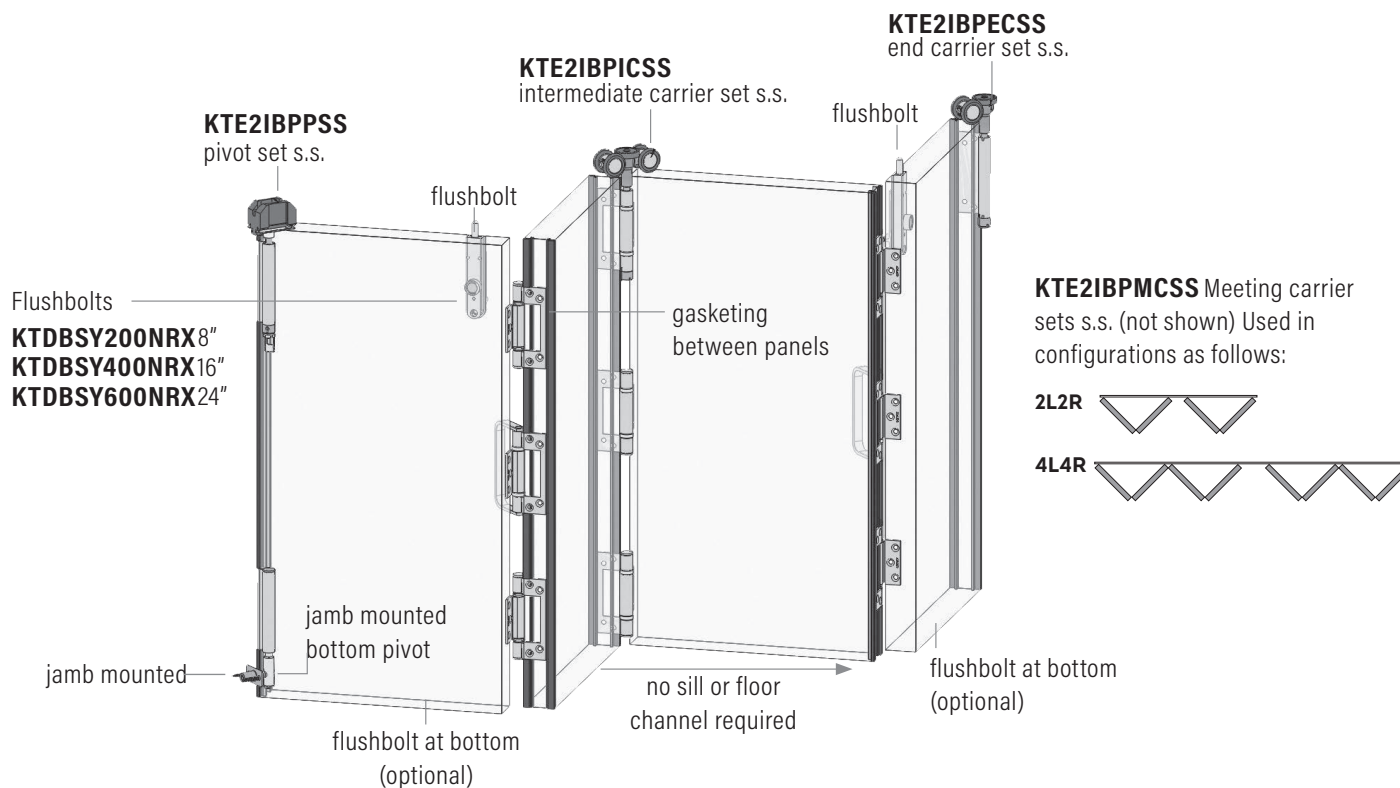


EC369A7145BL Aluminum T-slot extrusion
with black pile insert, for bottom of doors

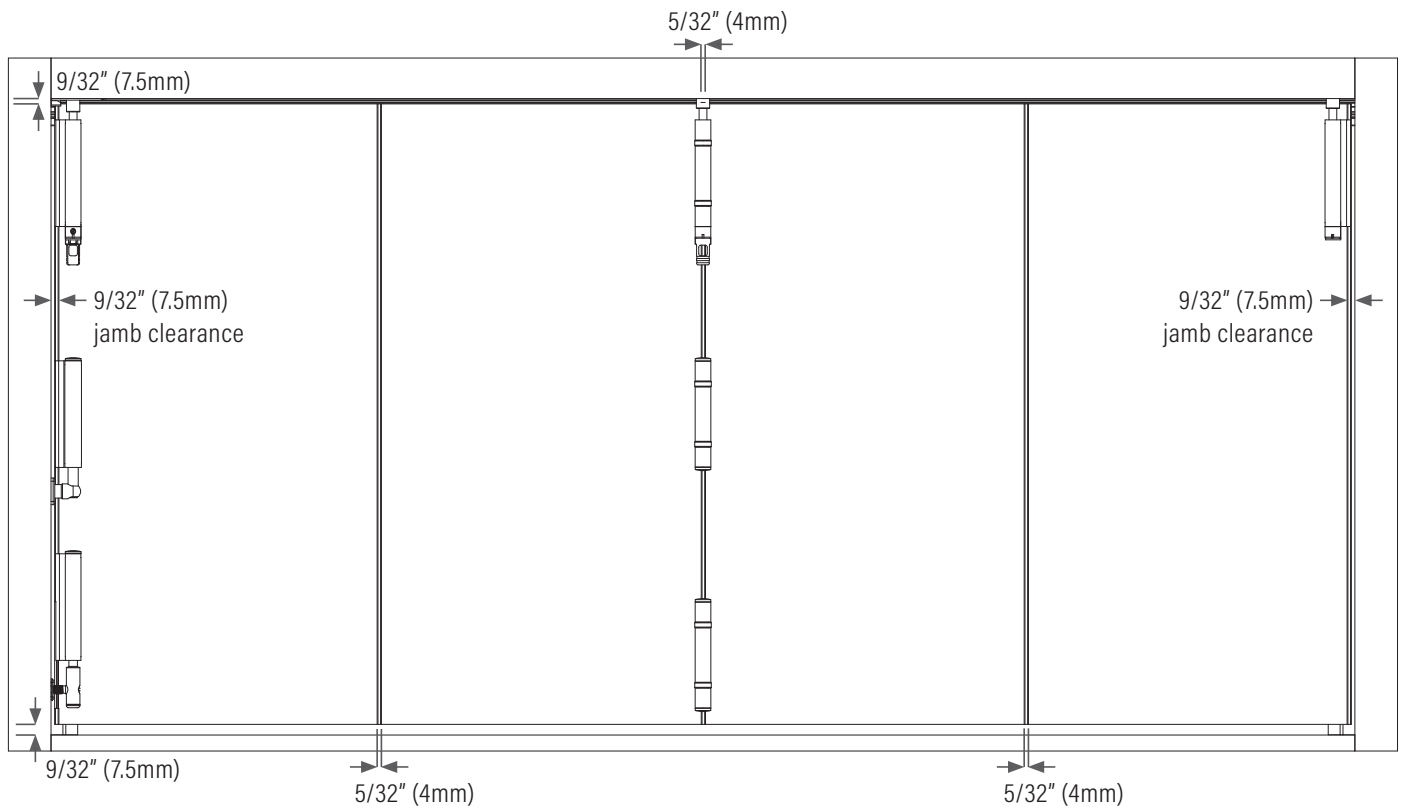
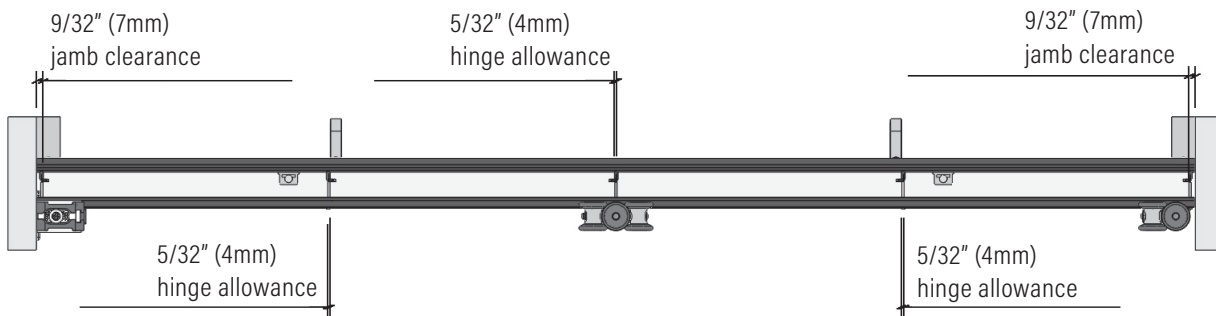


EC415BL Black
weatherseal for between doors, use on clad doors
where kerf slot is not possible

E2i Top View

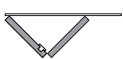


Only one finish available for the KTE2i Hinges: Brushed Stainless Steel



E2i only available for the following configurations

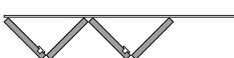
2L



2L2R



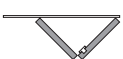
4L



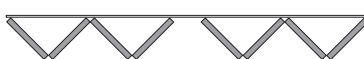
4R



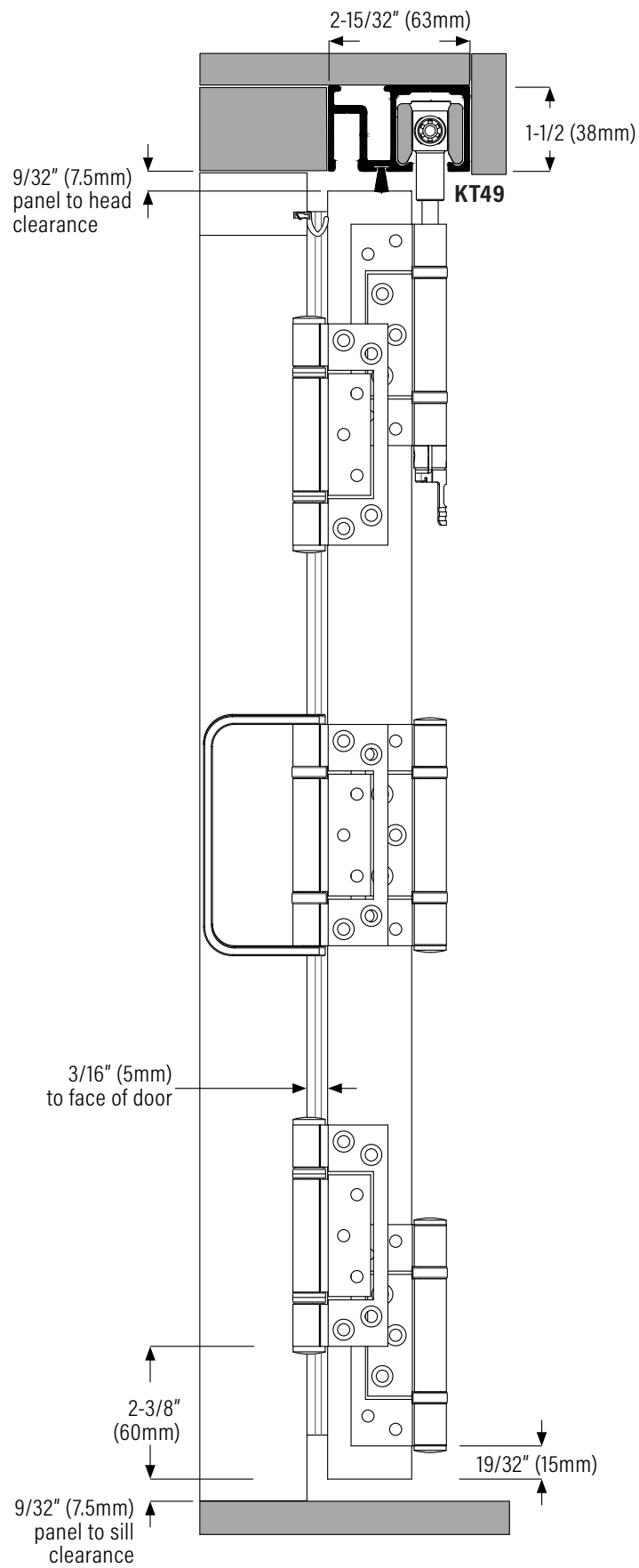
2R



4L4R

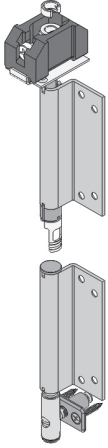


E2i Cross Section



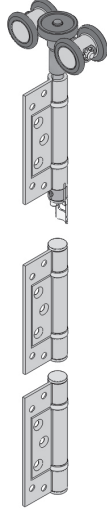
KTE2IBPPSS

Pivot set, brushed stainless steel



KTE2IBPICSS

Intermediate carrier set, brushed stainless steel



KTE2HSS

Hinge set (flat), brushed stainless steel



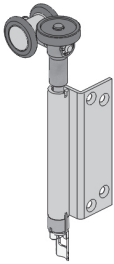
KTE22HHSS

Hinge set (offset), brushed stainless steel



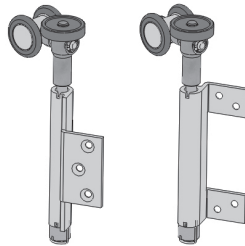
KTE2IBPKTSS

End carrier set, brushed stainless steel

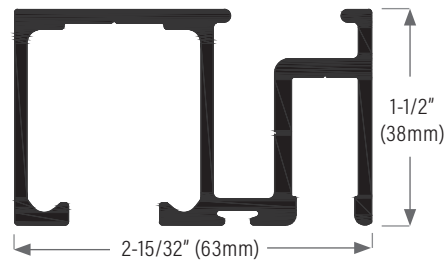


KTE2IBPMCSS

Meeting carrier set, brushed stainless steel



Top Track with flushbolt pin channel



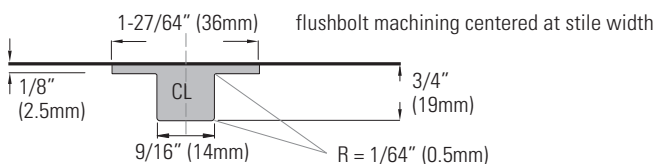
KT49C clear anodized
KT49D bronze anodized
 Lengths available:
 111", 147", 183", 222" (2819mm, 3734mm, 4648mm, 5639mm)

Flushbolts

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

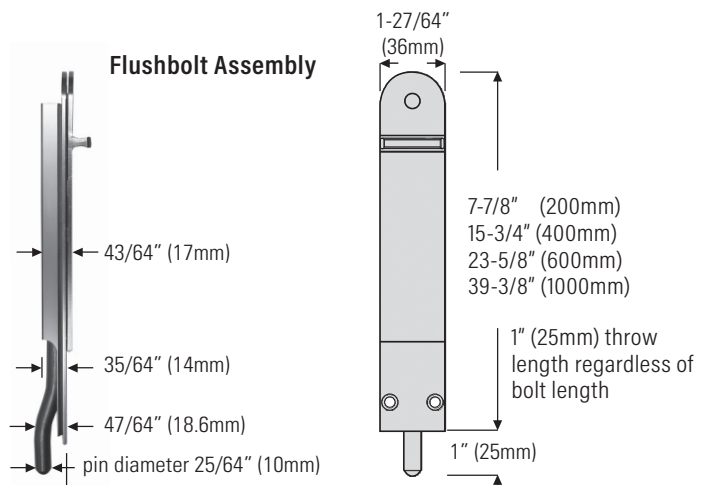
Finishes:

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



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.

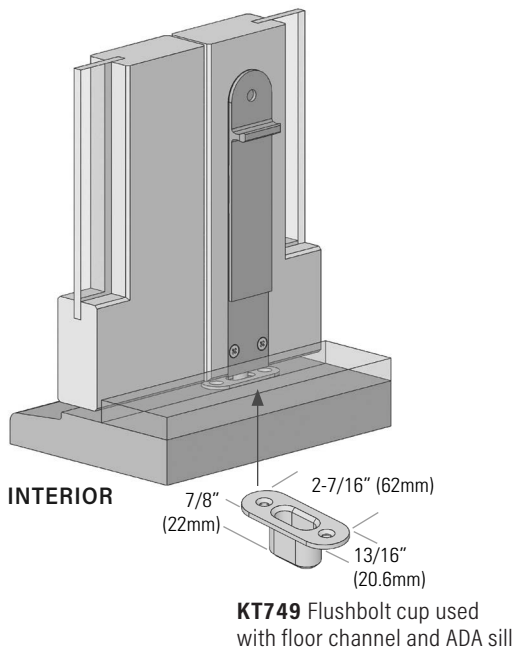
*Bright gold (TG) finish on aluminum to match pvd brass finish on E3 hinges.

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

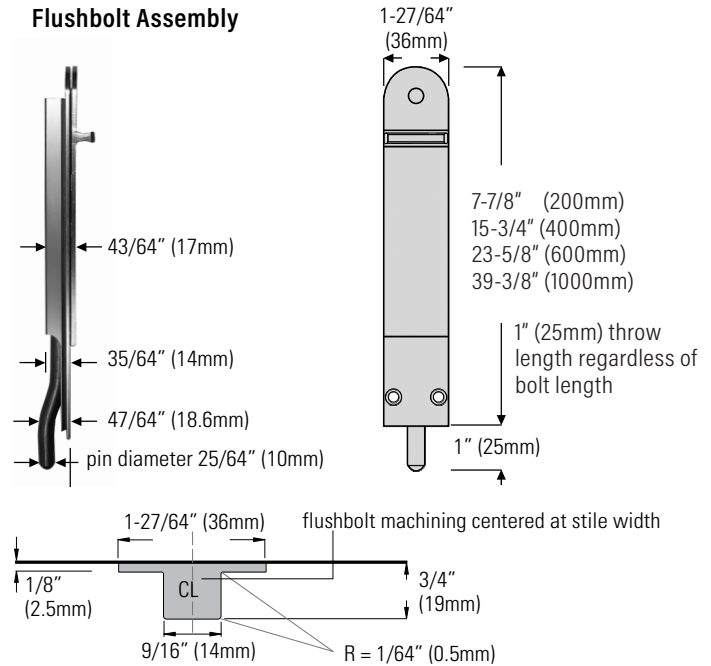
The flush-mounted flushbolts, rounded style and 1" (25mm) throw are designed for use with sliding and folding doors. This flushbolt will resist high winds and is rated to resist a 250kg load in Western Red Cedar and 450kg in Amoora. The bolts are easily installed with a dedicated router bit and are available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



Architectural Detail



Flushbolt Assembly

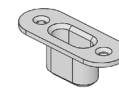


Actual machining for flushbolts (face plate)

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

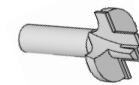
SELECT FINISH	PRODUCT NUMBER	DESCRIPTION
bronze powder coat finish on aluminum	KTDBOT200NRQ	8" (200mm) 1" throw, round end
	KTDBOT400NRQ	16" (400mm) 1" throw, round end
	KTDBOT600NRQ	24" (600mm) 1" throw, round end
	KTDBOT1000NRQ	39" (1000mm) 1" throw, round end
brushed metallic finish on aluminum to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

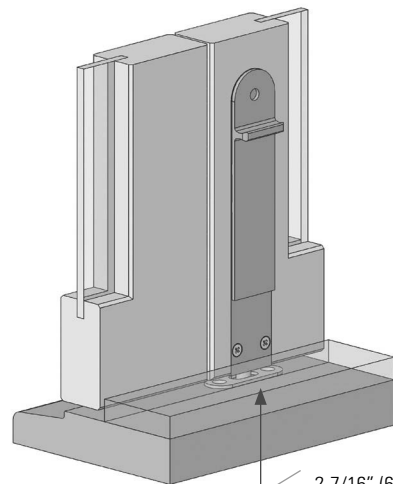
brushed metallic to match stainless steel hardware



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

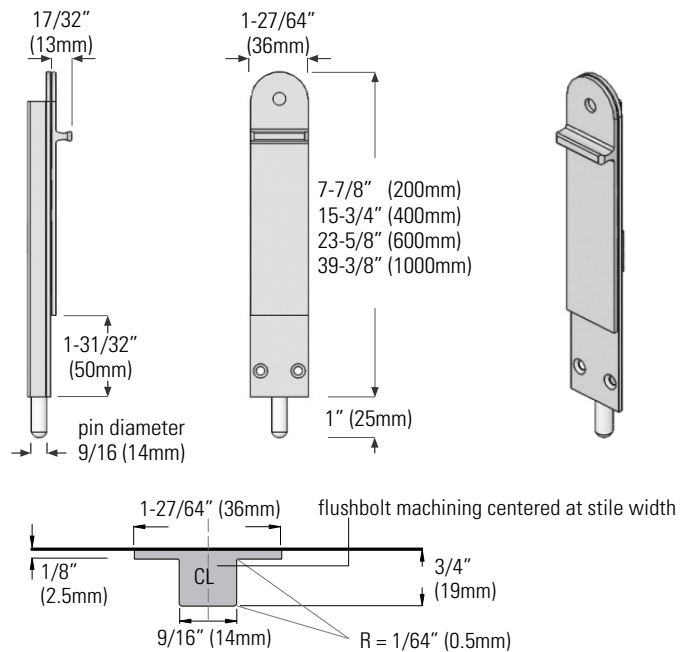


INTERIOR

7/8" (22mm)
2-7/16" (62mm)
13/16" (20.6mm)

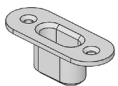
KT749 Flushbolt cup used with floor channel and ADA sill

Flushbolt Assembly (Machining Spec)



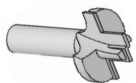
Actual machining for flushbolts (face plate)

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

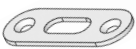


Flushbolt cup used with floor channel and ADA sill

KT749BRONZE bronze powder coat
KT749DCH Satin chrome



KT2DBFORB Router bit for flushbolts (dedicated router bits are available)



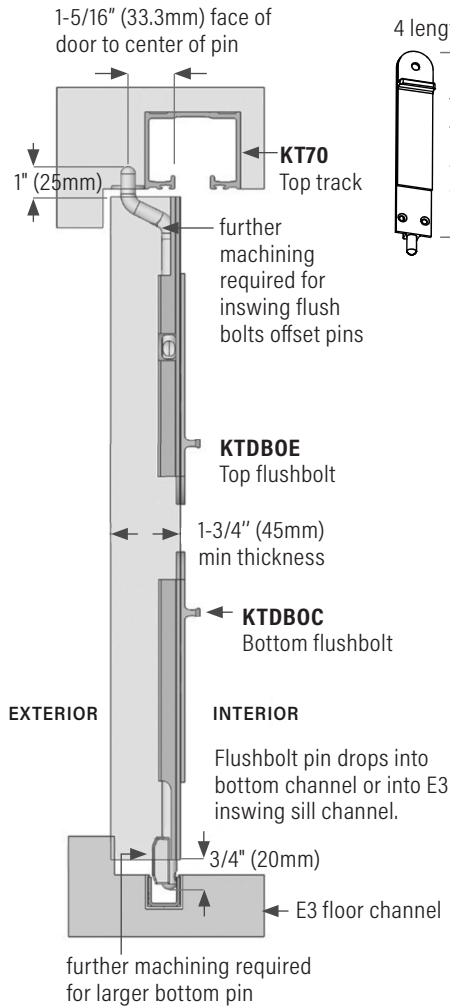
Strike plate for header
KTDBSPQ bronze powder coat
KTDBSPS Satin chrome

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

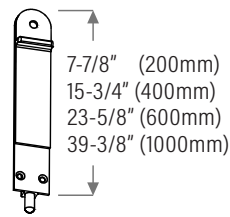
SELECT FINISH	PRODUCT NUMBER	DESCRIPTION
powder coat finish bronze over aluminum	KTDBSY200NRQ	8" (200mm) 1" throw, round end
	KTDBSY400NRQ	16" (400mm) 1" throw, round end
	KTDBSY600NRQ	24" (600mm) 1" throw, round end
	KTDBSY1000NRQ	39" (1000mm) 1" throw, round end
brushed metallic finish over aluminum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



4 lengths available:



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

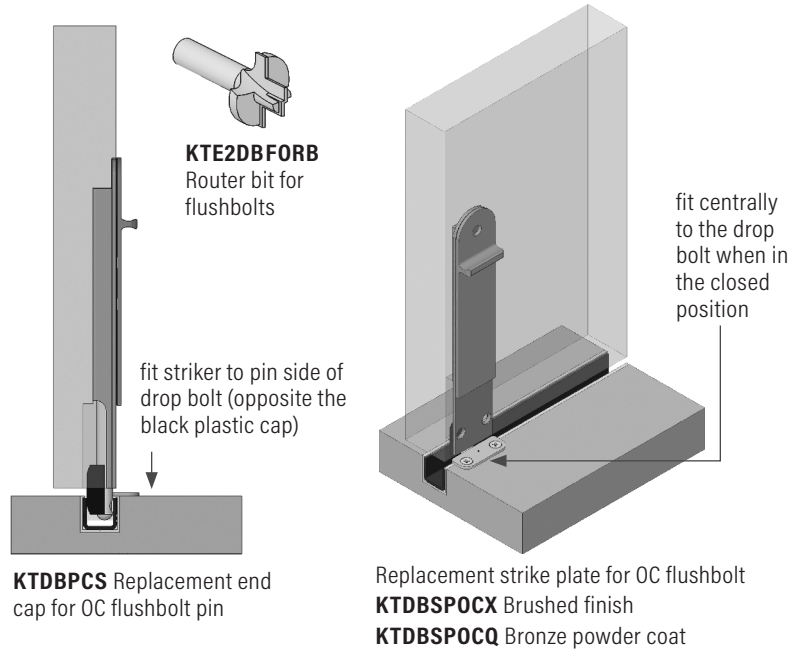
DBOC Throw length: 3/4" (20mm) · **DBOE Throw length:** 1" (25mm)

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.

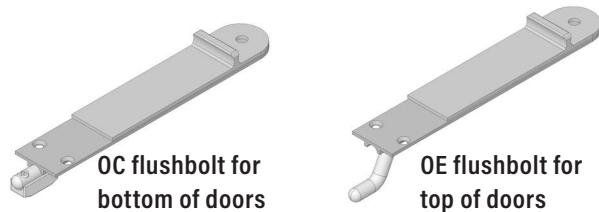
***Bright gold (TG) finish is custom order, call for manufacturing time.**

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)



Strike plate for header
KTDBSPQ bronze powder coat
KTDBSPS Satin chrome

Router bit for flushbolts
KTE2DBFORB

PRODUCT CODE

DESCRIPTION

bronze powder coat finish over aluminum	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
brushed metallic finish over aluminum to match stainless steel	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
bright gold finish over aluminum	* 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

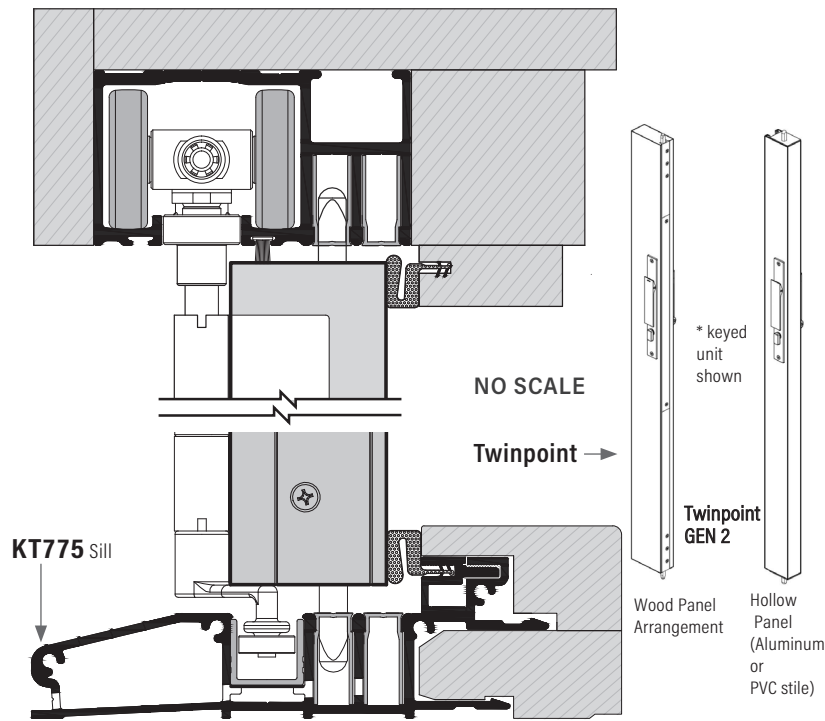
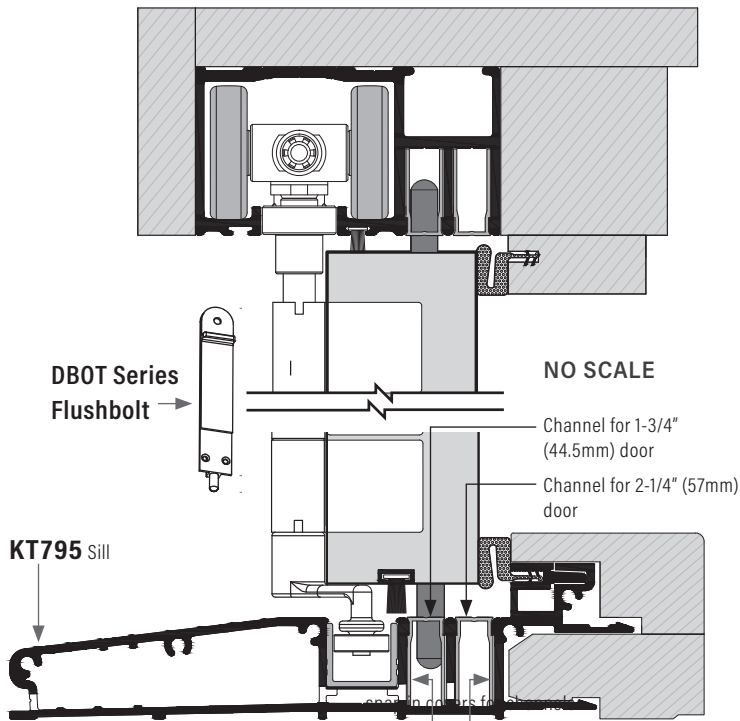
E3 Sills with Two Locking Options

LOCKING OPTIONS

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

Flushbolt

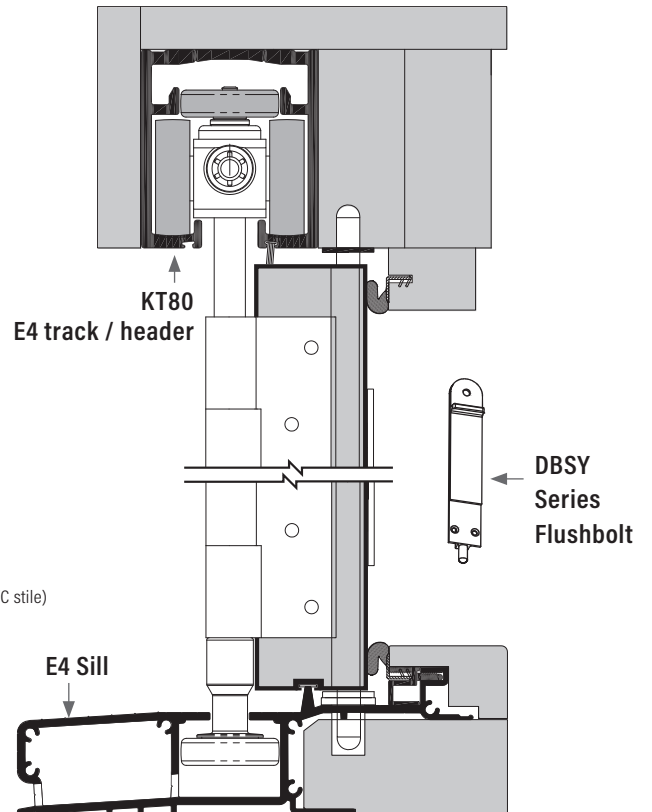
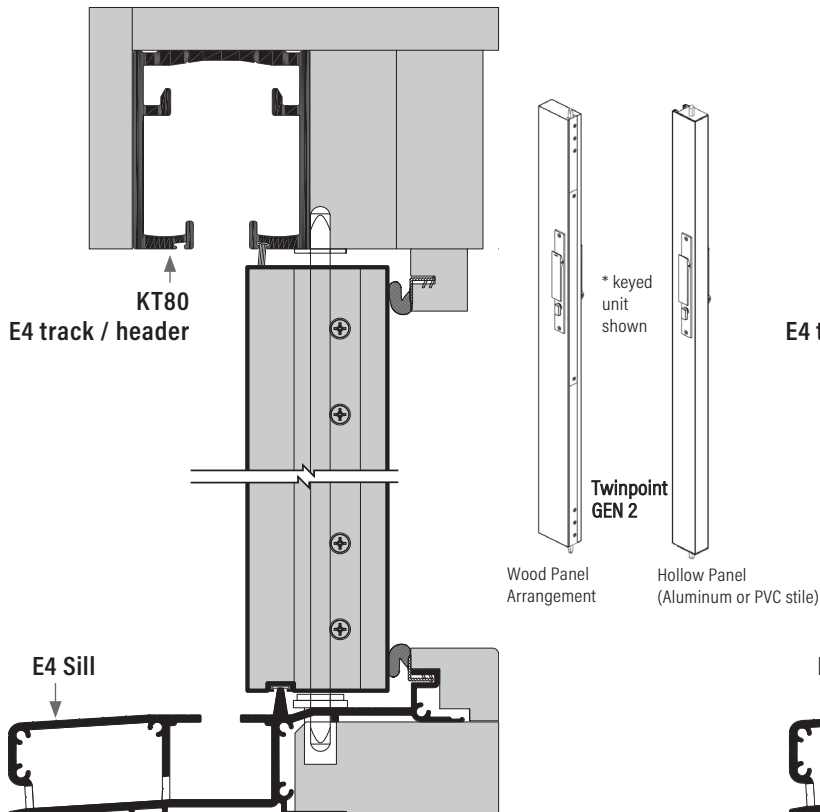
Twinpoint



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

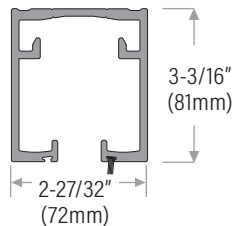
Eclipse E4™ is specified with 5 separate groups:

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

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



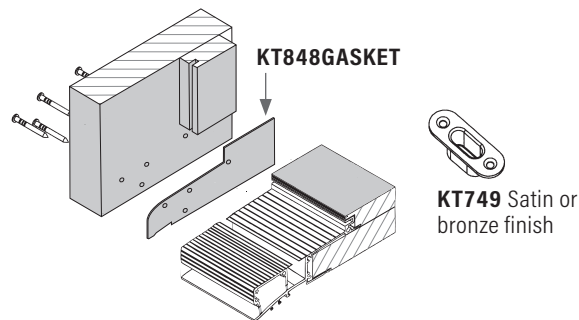
Track



KT80D Top track, extruded aluminum bronze anodized.

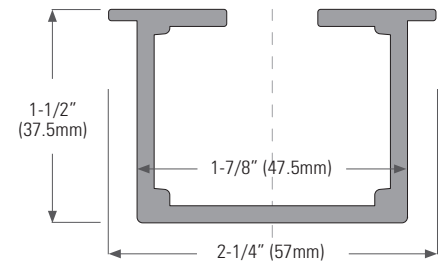
Lengths available:
111", 147", 183", 222", 294"
(2819mm, 3734mm, 4648mm,
5639mm, 7467mm)

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.

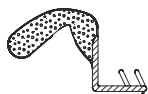
Floor Channel



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



EC417 Weatherseal for between doors. Black or brown

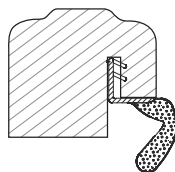


EC369A7145BL
Aluminum T-slot extrusion with black pile insert, for bottom of doors



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



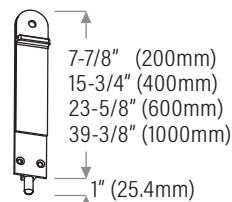
ECP108-35BL
Pile weatherseal for door with astragal, 5/16" (8mm) pile height, black



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

Flushbolts: DBSY Series DBOT Series

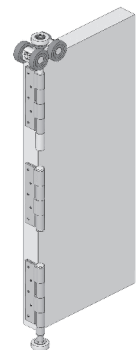
4 lengths available:



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

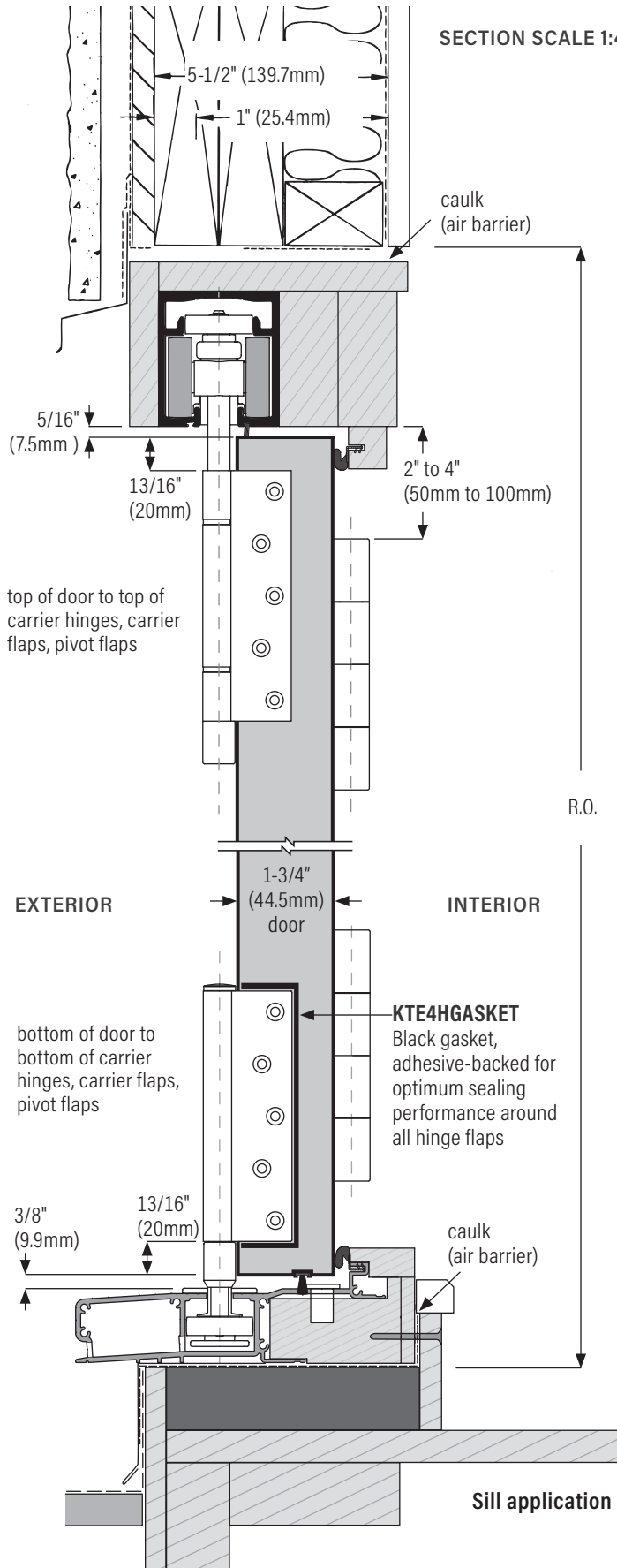
Finishes available: brushed aluminum or bronze powder coat.

Hardware

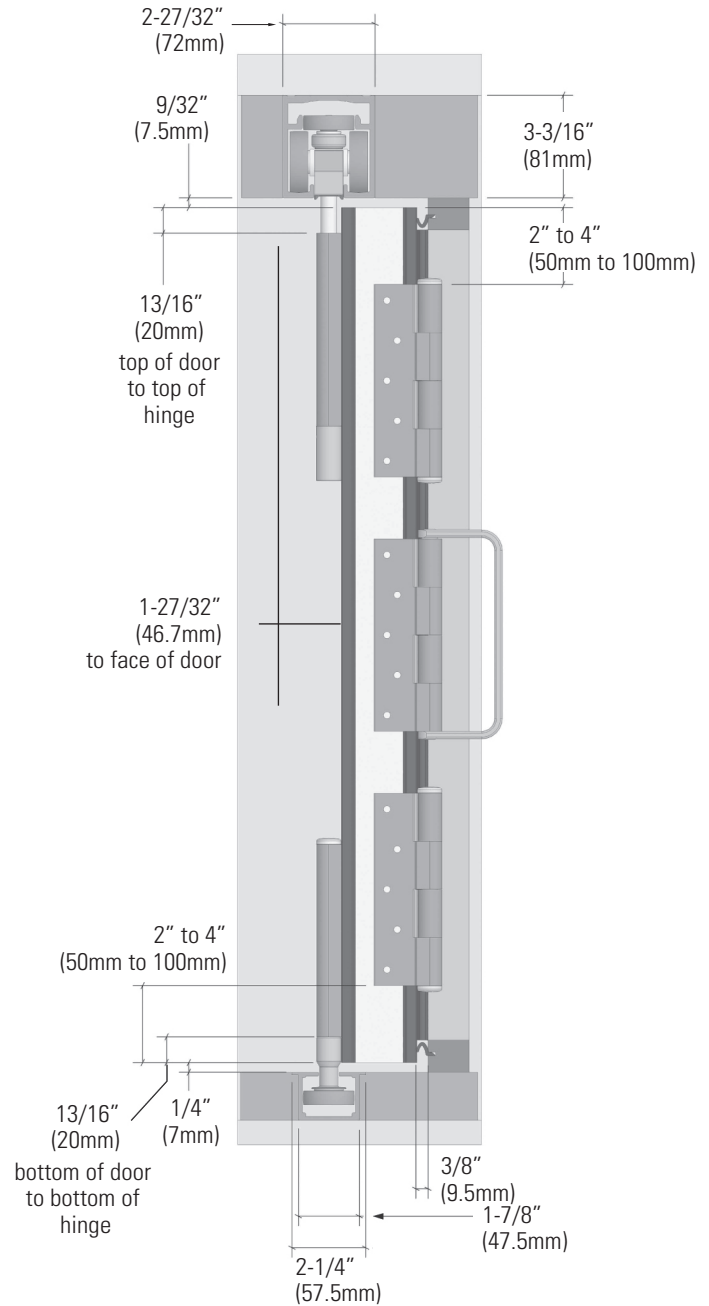


Finishes available: stainless steel (316) or PVD bronze over SS.

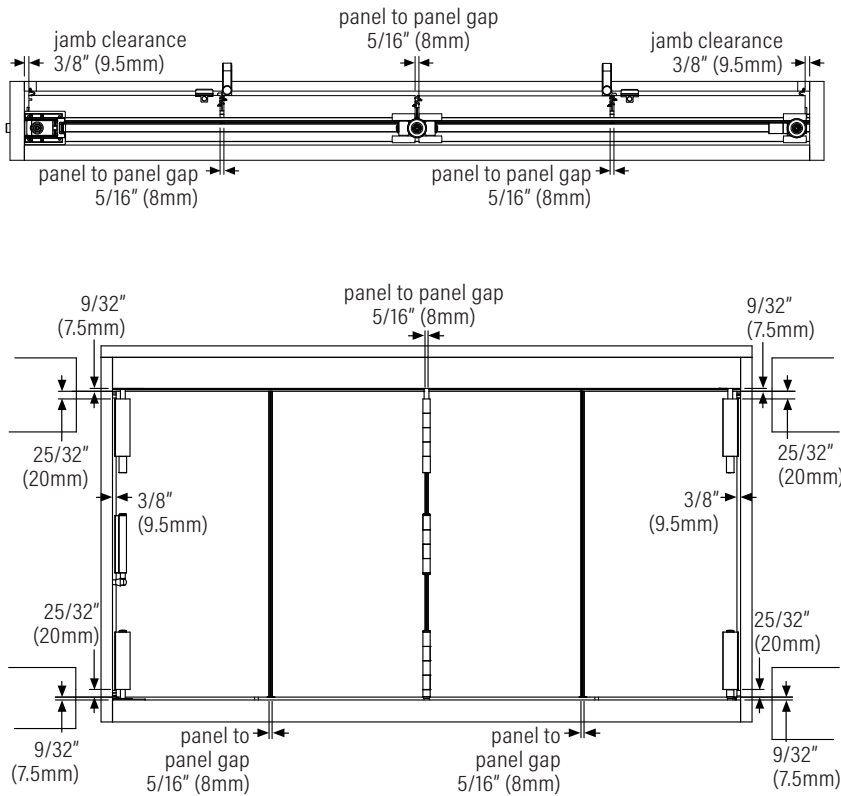
SECTION SCALE 1:4



Floor Channel Application

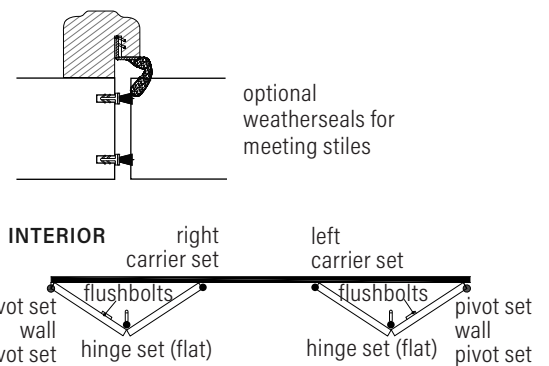
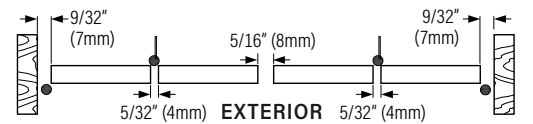


Outside View: 4L (4 doors folding left)

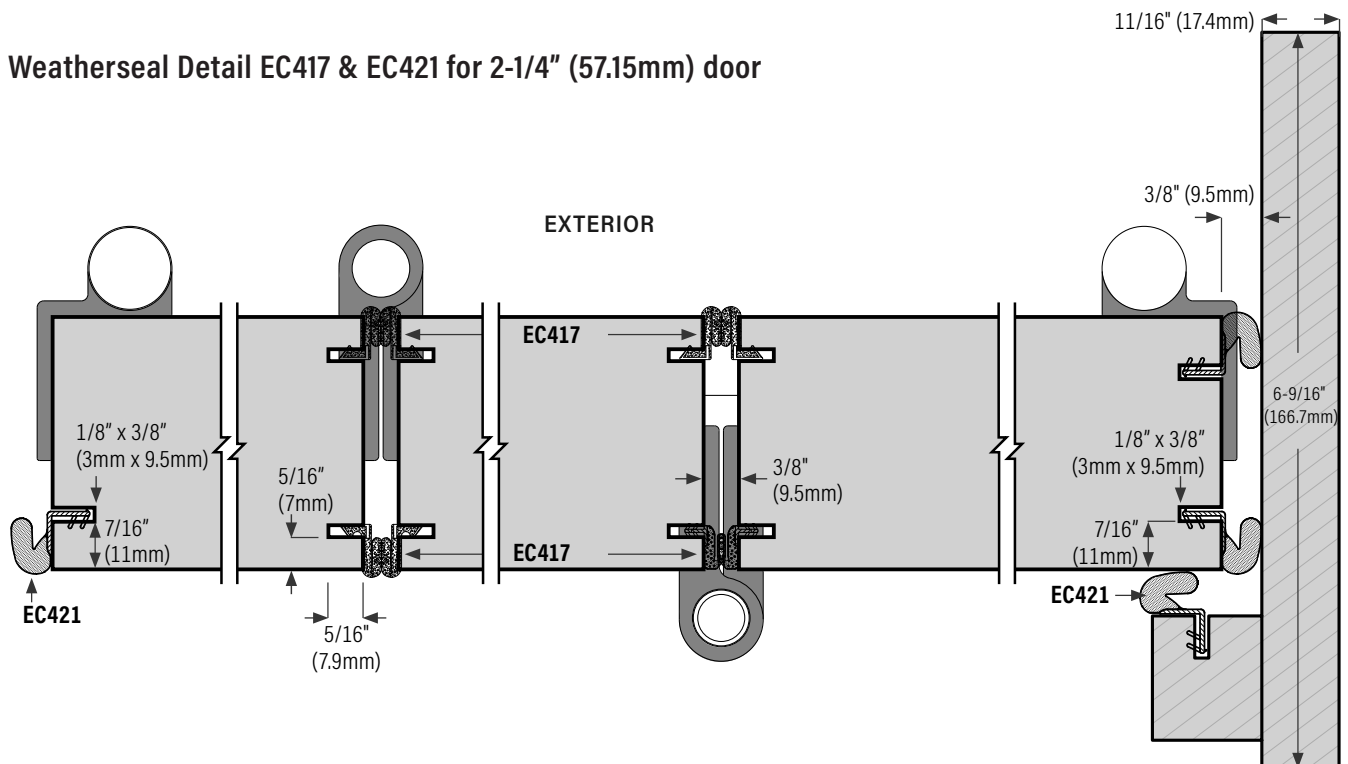


Over Camming

When using 1-3/4" (44.5mm) or 2-1/4" (57mm) panel thickness on 2L2R or 4L4R configurations, the gapping between the 2 meeting panels should be 13/32" (10mm). Hinge flaps on the meeting stiles should be machined into the edge of the door.

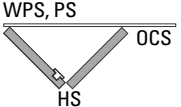
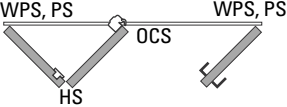
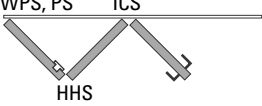
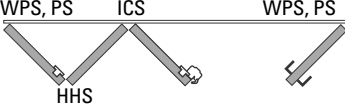
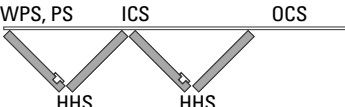
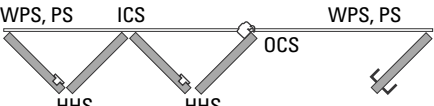
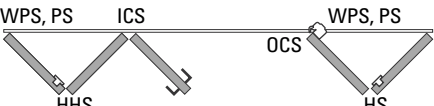
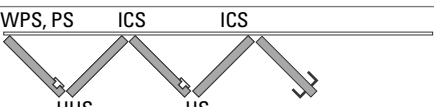
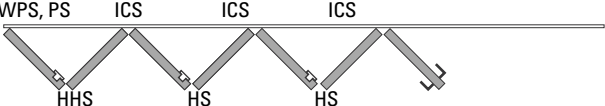
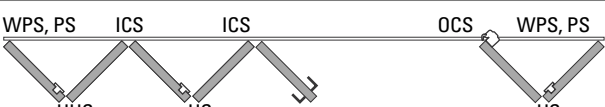


Weatherseal Detail EC417 & EC421 for 2-1/4" (57.15mm) door



E4 Parts Selection and Configurations

Common Panel Layouts (Outswing)

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

E4 Parts Selection and Configurations

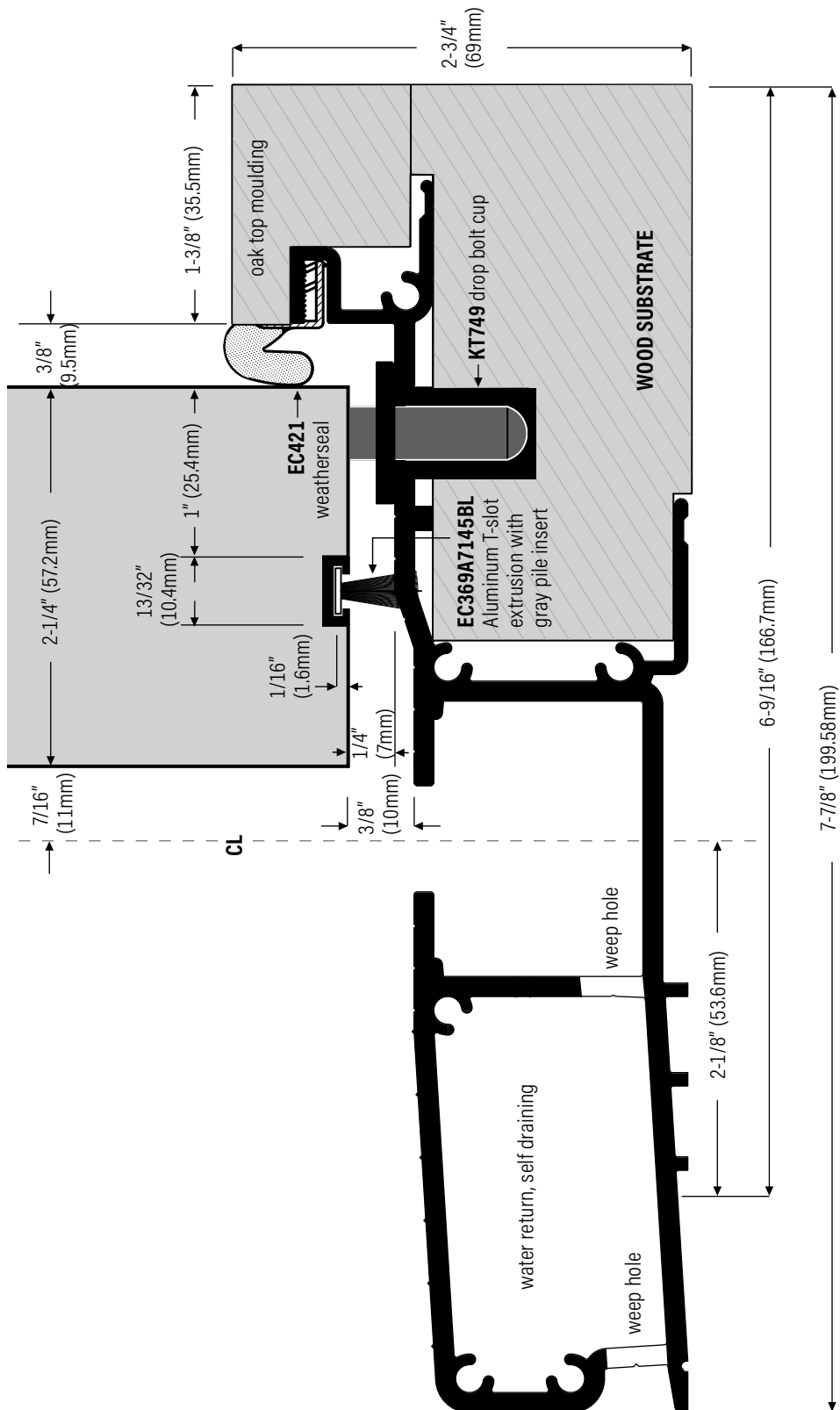
E4

Common Panel Layouts (Outswing)

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

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

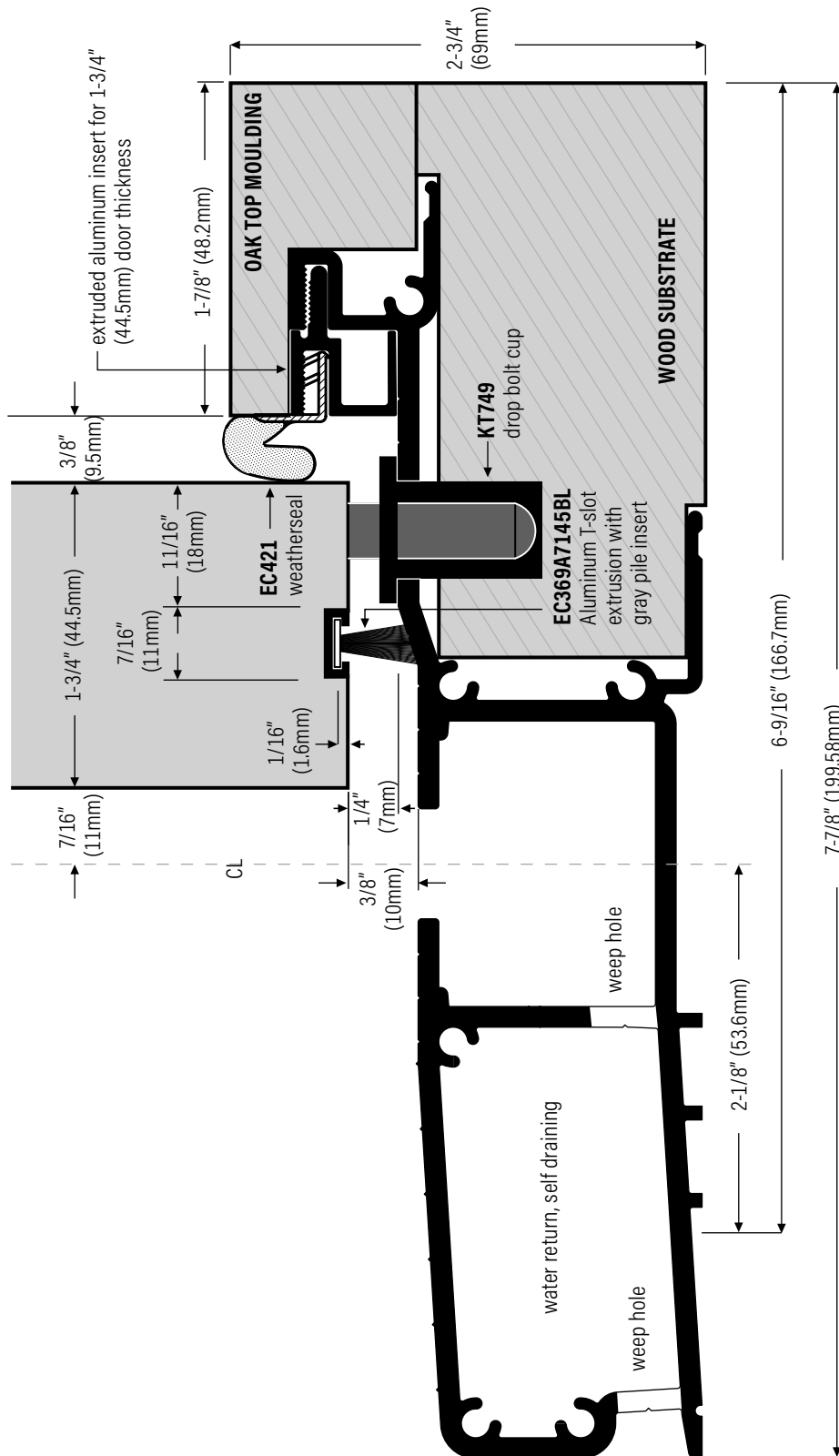
KT941E40AKD Outswing Sill, Aluminum Bronze Anodized With Oak Top



KT841 Series E4 Sill System for 1-3/4" (44.5mm) Door Thickness

E4

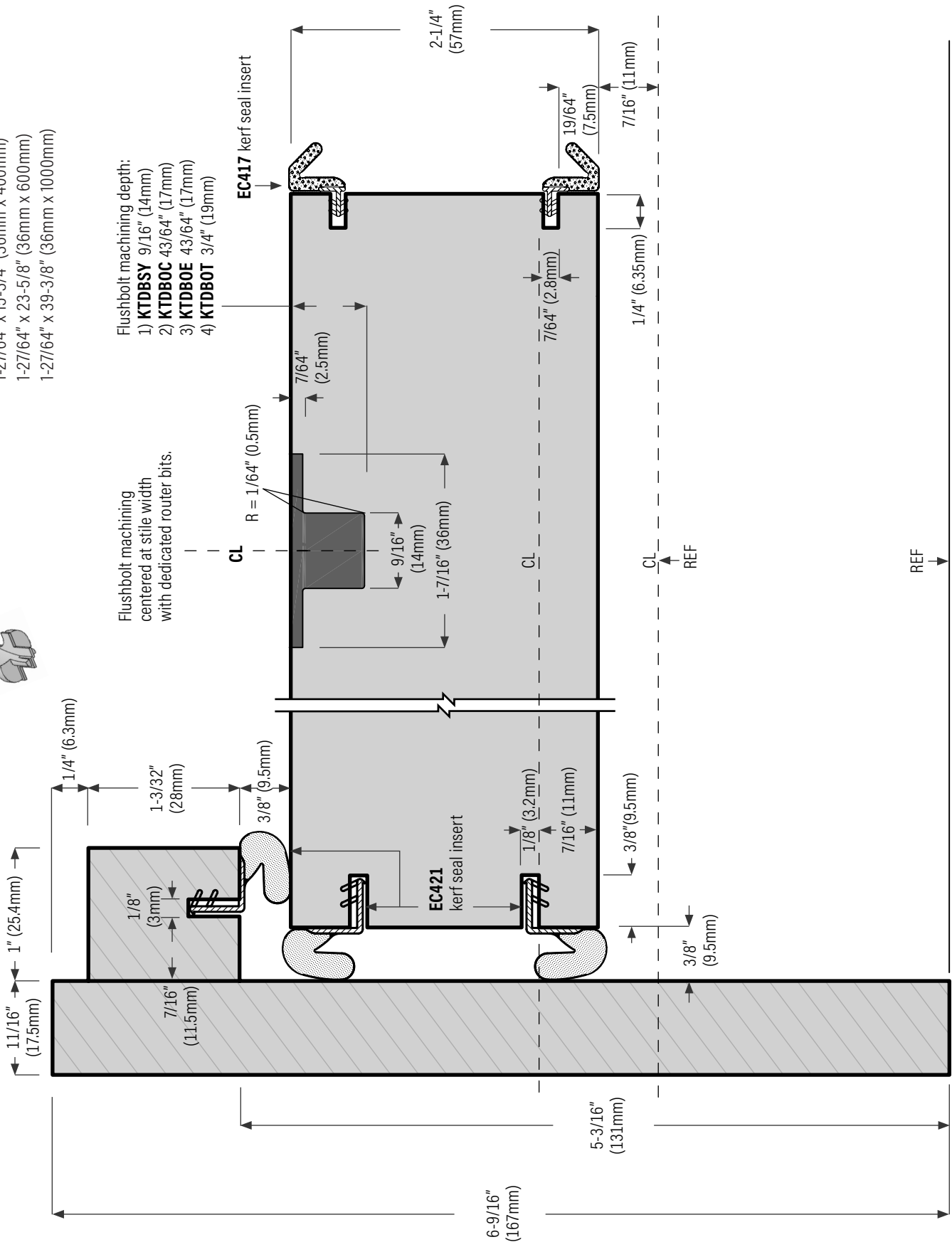
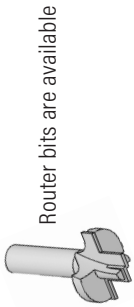
KT841E40AKD Outswing Sill, Aluminum Bronze Anodized With Oak Top



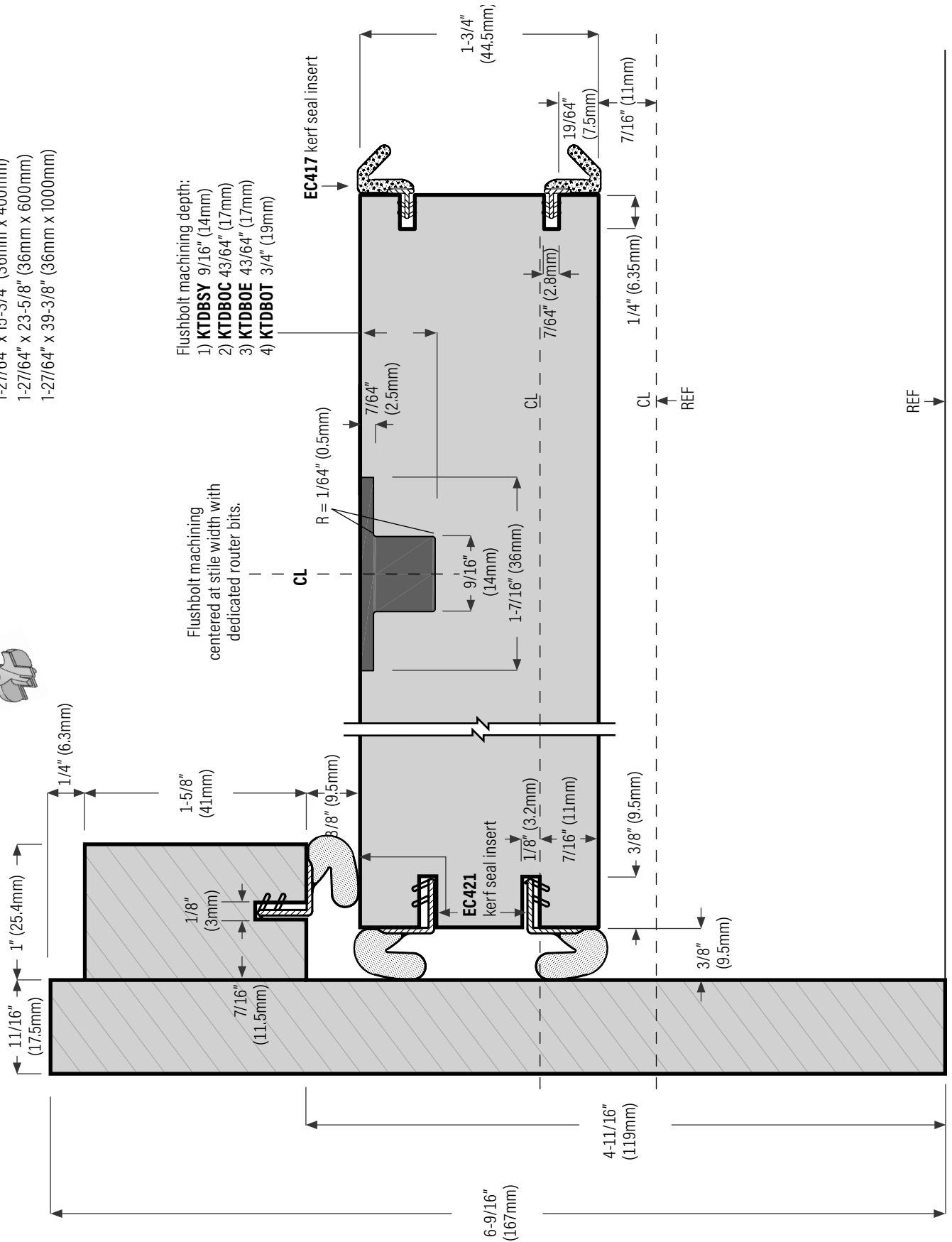
E4 Jamb for 2-1/4" (57mm) Door Thickness

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)

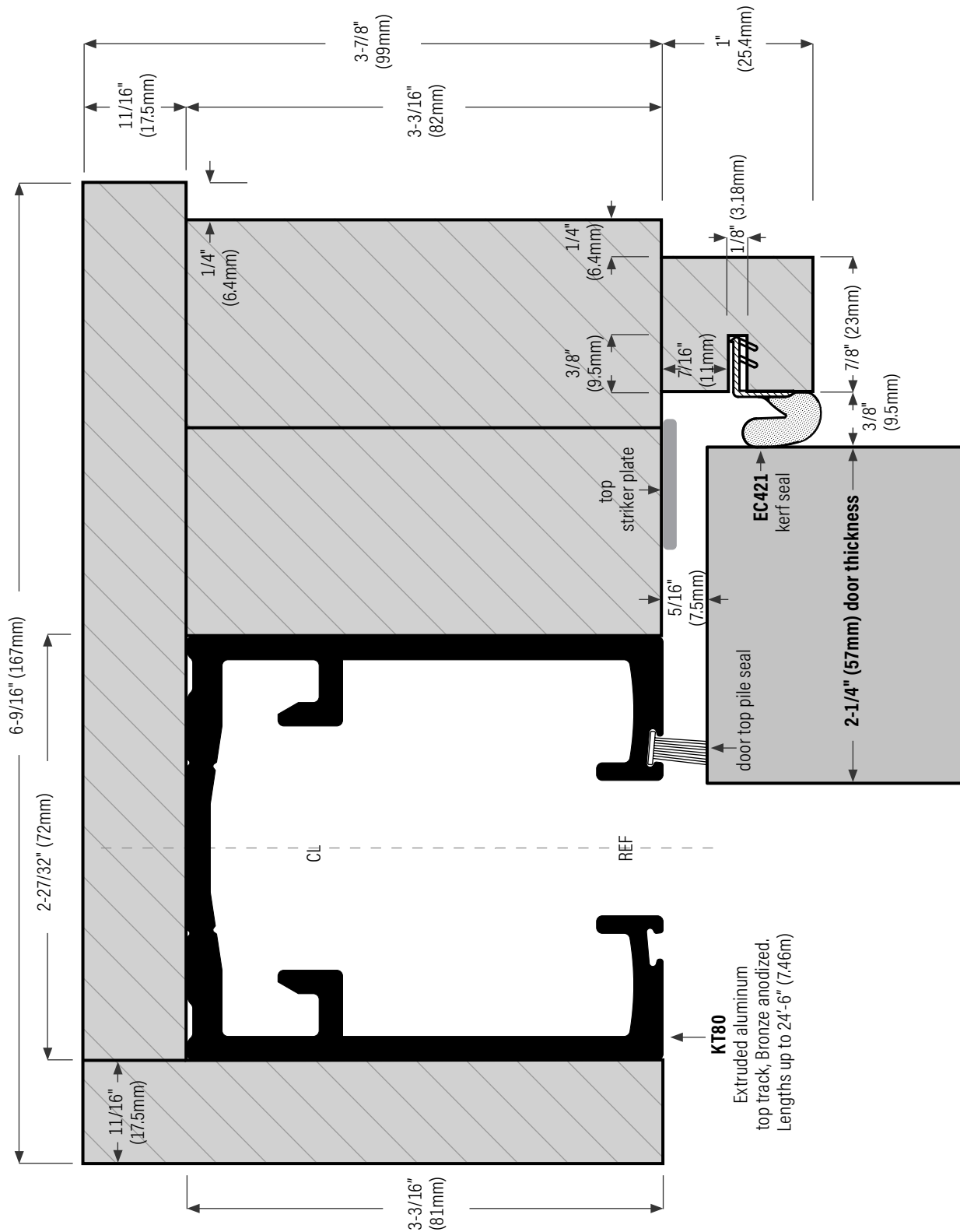


1-27/64" x 7-7/8" (36mm x 200mm)
1-27/64" x 15-3/4" (36mm x 400mm)
1-27/64" x 23-5/8" (36mm x 600mm)
1-27/64" x 39-3/8" (36mm x 1000mm)



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

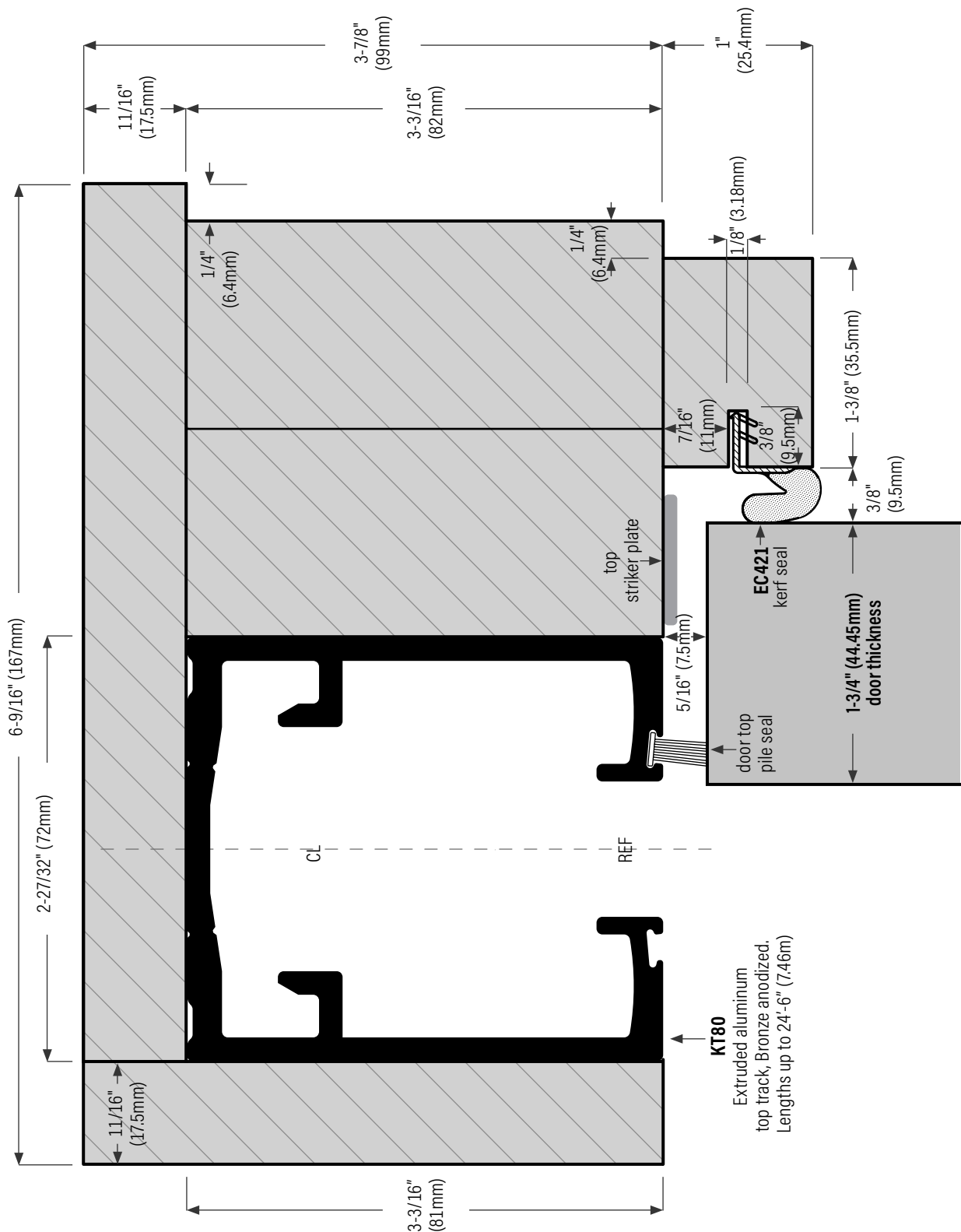
KT80D Bronze anodized



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

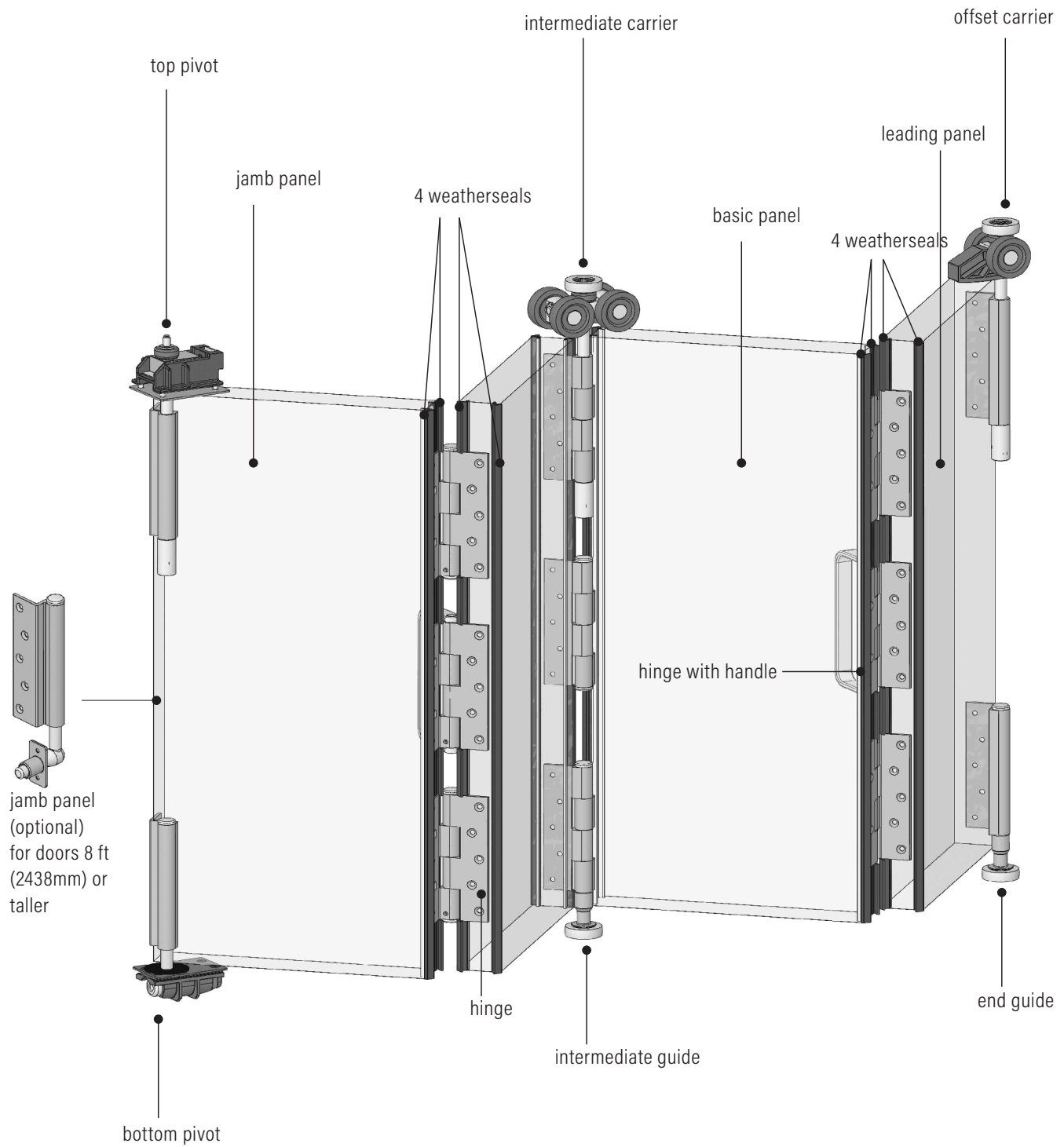
E4

KT80D Bronze anodized



E4 Hardware Placement

4L Configuration



Astragal Detail for Eclipse E4 Exterior Folding Door System

Triple Seal For Superior Sealing Performance

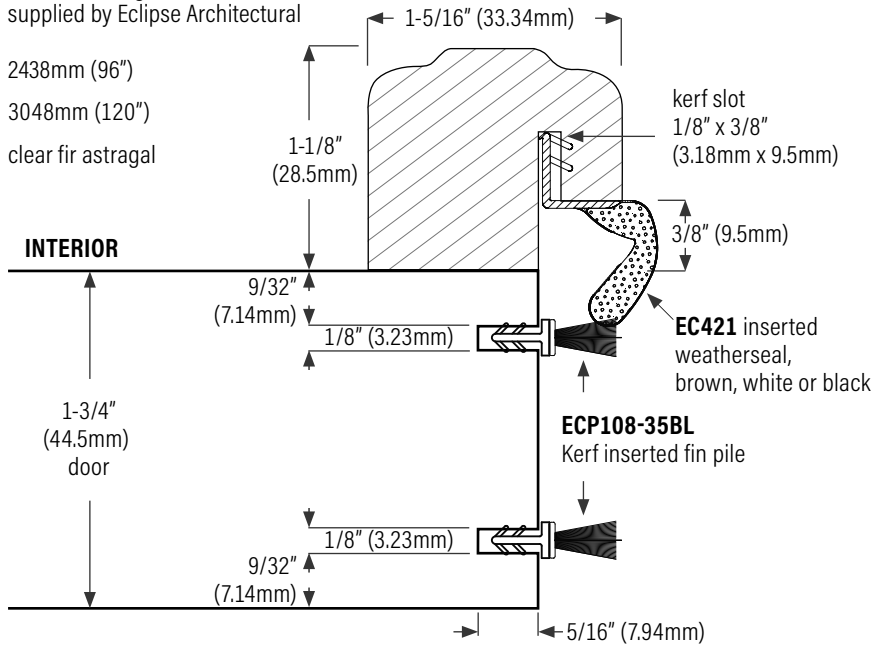
E4

KT190C astragal
supplied by Eclipse Architectural

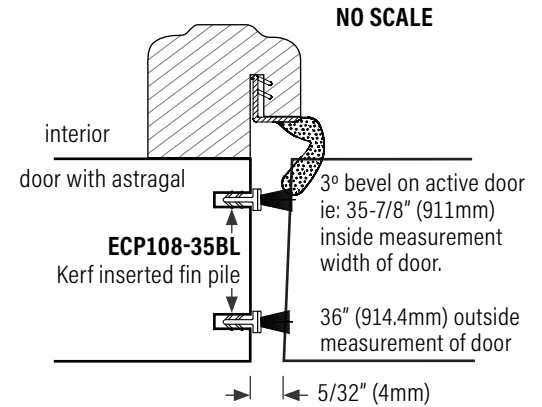
2438mm (96")

3048mm (120")

clear fir astragal



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

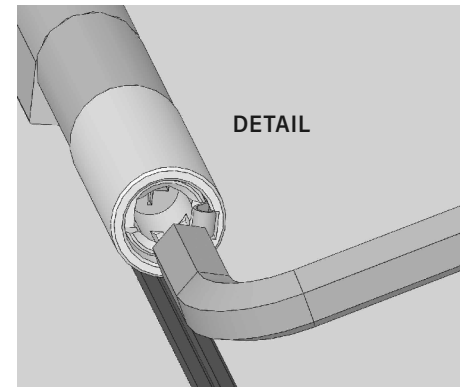


Surelock II™ Adjustment for E4™

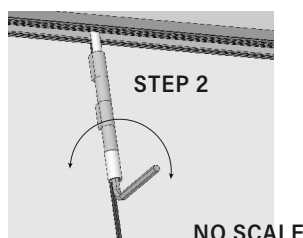
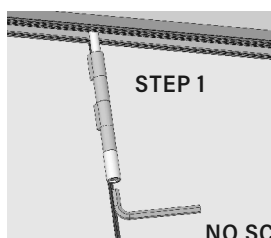
E4 hardware has been designed for large and heavy doors. So, the doors will probably be tall, too, and the ability to conveniently adjust and set the heights of the panels has been given careful consideration. The Sure-Lock II™ allows easy adjustment with the Allen Key provided. This stainless steel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

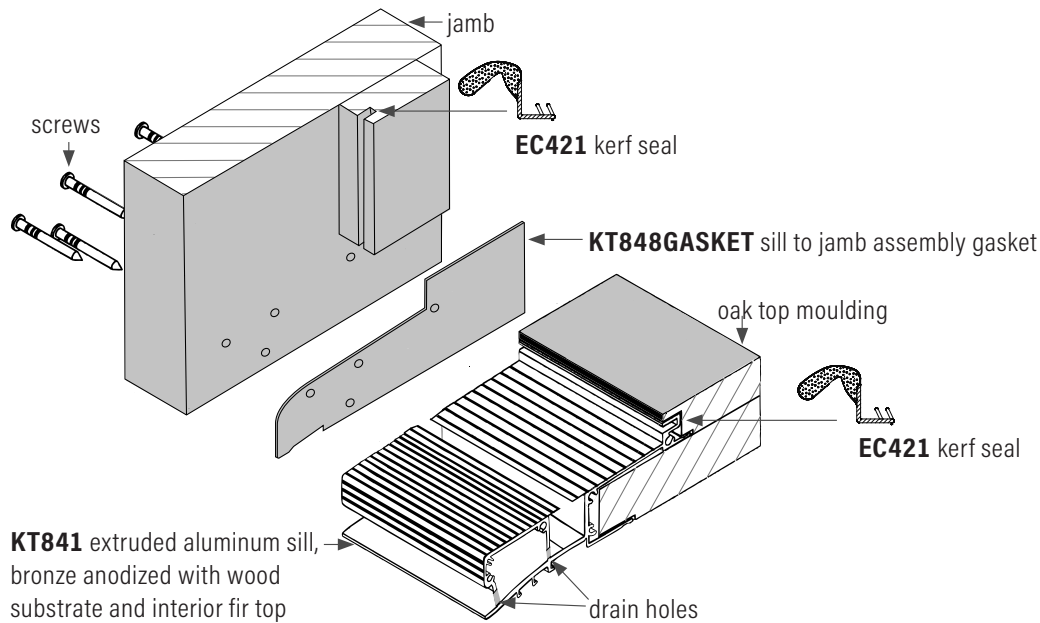
NO SCALE



PATENT PENDING



Folding Door, Jamb at Sill



Manual Door Calc

Clearances for E4

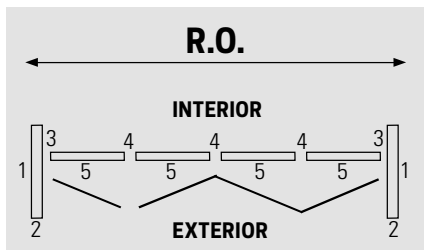
Pivot door to jamb 3/8" (9.5mm)
 Swing door to jamb 9/32" (7.5mm)
 Panel to panel gap 3/8" (9.5mm)
 Bottom of door panel to sill 3/8" (9.5mm)
 Top of door panel to header 9/32" (7.5mm)
 Inside face of door panel to stop 3/8" (9.5 mm)

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])

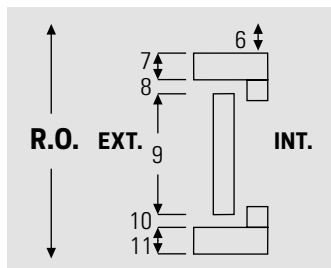


WIDTH

- 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 = .3/4" (19mm)
- 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).

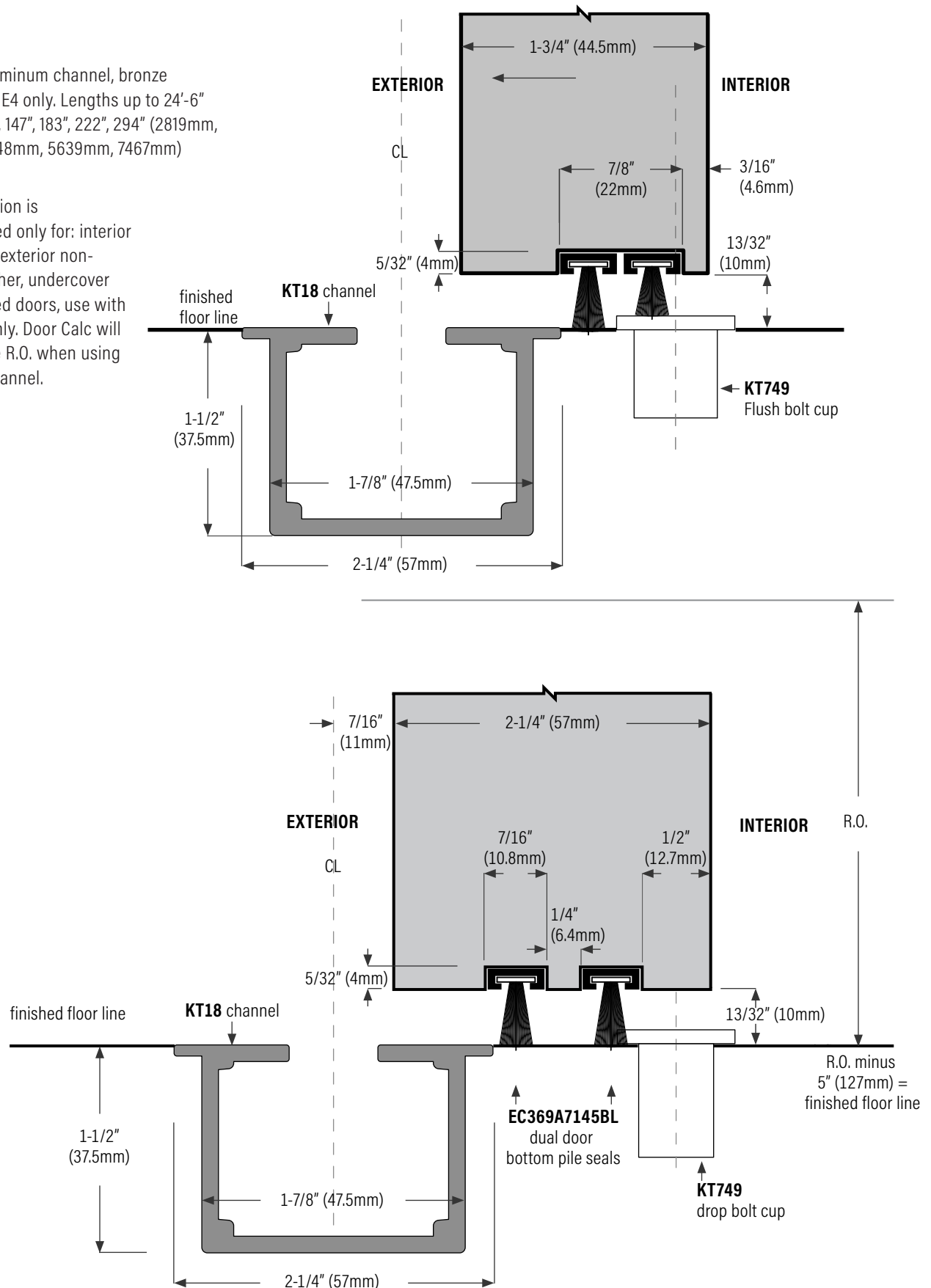
Optional Floor Channel Application

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

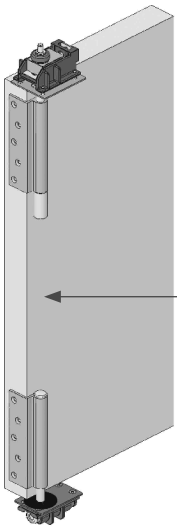
KT18

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

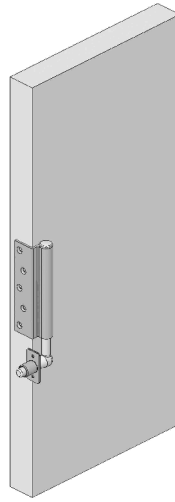
This application is recommended only for: interior application , exterior non-rainfall weather, undercover well protected doors, use with E4 system only. Door Calc will not calculate R.O. when using EC18 floor channel.



E4 Parts Selection

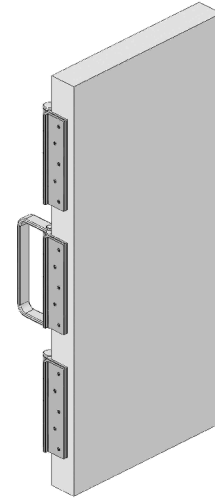


**Top and bottom pivot,
2 piece set**



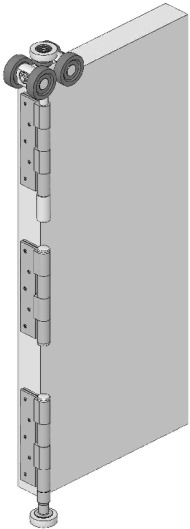
Middle wall pivot, 1 piece

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

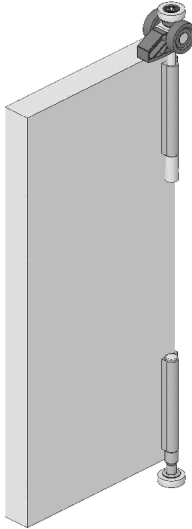


Hinge, 3 piece set

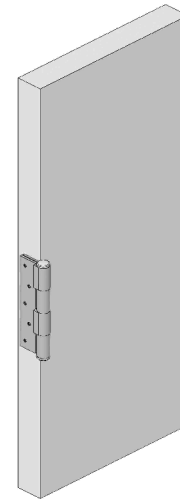
For doors up to 8 ft. (2438mm) tall in
height. Add single hinge for doors 8
ft (2438mm) or taller.



**Intermediate carrier,
3 piece set**



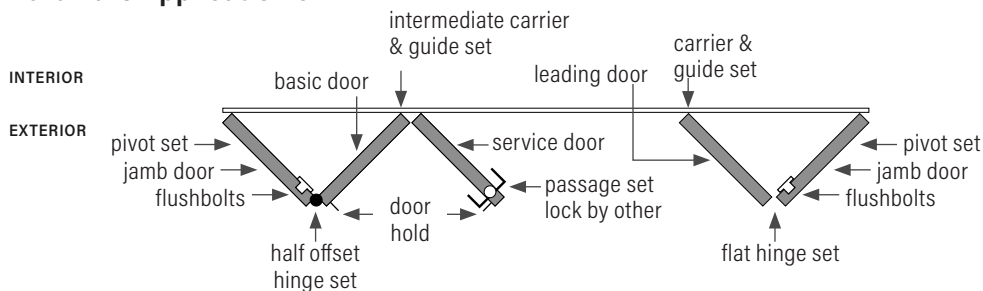
**Offset carrier,
2 piece set**



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

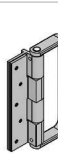
When used with hinge set and
intermediate carrier set, for doors 8 ft.
(2438mm) or taller.

Hardware Application 3L2R



E4 Parts Selection

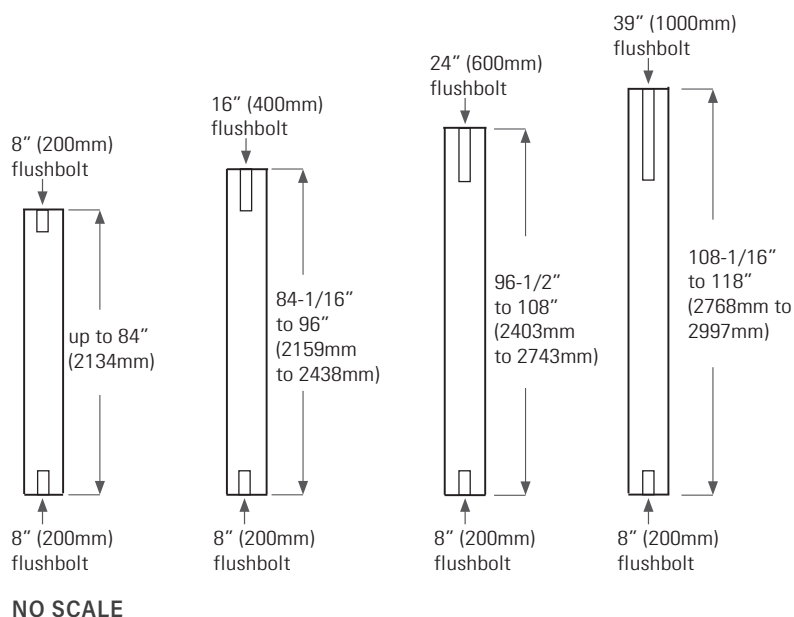
E4

PART		PART NUMBER	DESCRIPTION	FINISH
Pivot Set		KTE4PSOL	E4 pivot set	PVD bronze
		KTE4PSS	E4 pivot set, complete	Brushed stainless steel (316)
Wall Pivot Set		KTE4WPOL	E4 wall pivot set	PVD bronze
		KTE4WPS	E4 wall pivot set	Brushed stainless steel (316)
Intermediate Carrier Set		KTE4ICSOL	E4 intermediate carrier set	PVD bronze
		KTE4ICSS	E4 intermediate carrier set, complete	Brushed stainless steel (316)
Offset Carrier Set, Right or Left		KTE4OCSOL	E4 offset carrier set	PVD bronze
		KTE4OCSS	E4 offset carrier set, complete	Brushed stainless steel (316)
Flat Hinge Set (With Handle)		KTE4HSOL	E4 hinge set	PVD bronze
		KTE4HSS	E4 hinge set, complete	Brushed stainless steel (316)
Flat Hinge (No Handle)		KTE4HHHOL	E4 hinge	PVD bronze
		KTE4HHNS	E4 hinge	Brushed stainless steel (316)
Single Hinge Flat (With Handle)		KTE4HOL	E4 hinge	PVD bronze
		KTE4HS	E4 hinge	Brushed stainless steel (316)
Half Offset Hinge Set (With Handle)		KTE4HHSOL	E4 hinge set complete	PVD bronze
		KTE4HHSS	E4 hinge set complete	Brushed stainless steel (316)
Single Hinge Offset (No Handle)		KTE4HHNHOL	E4 hinge	PVD bronze
		KTE4HHNHS	E4 hinge	Brushed stainless steel (316)
Single Hinge Offset (With Handle)		KTE4HHOL	E4 hinge	PVD bronze
		KTE4HHS	E4 hinge	Brushed stainless steel (316)

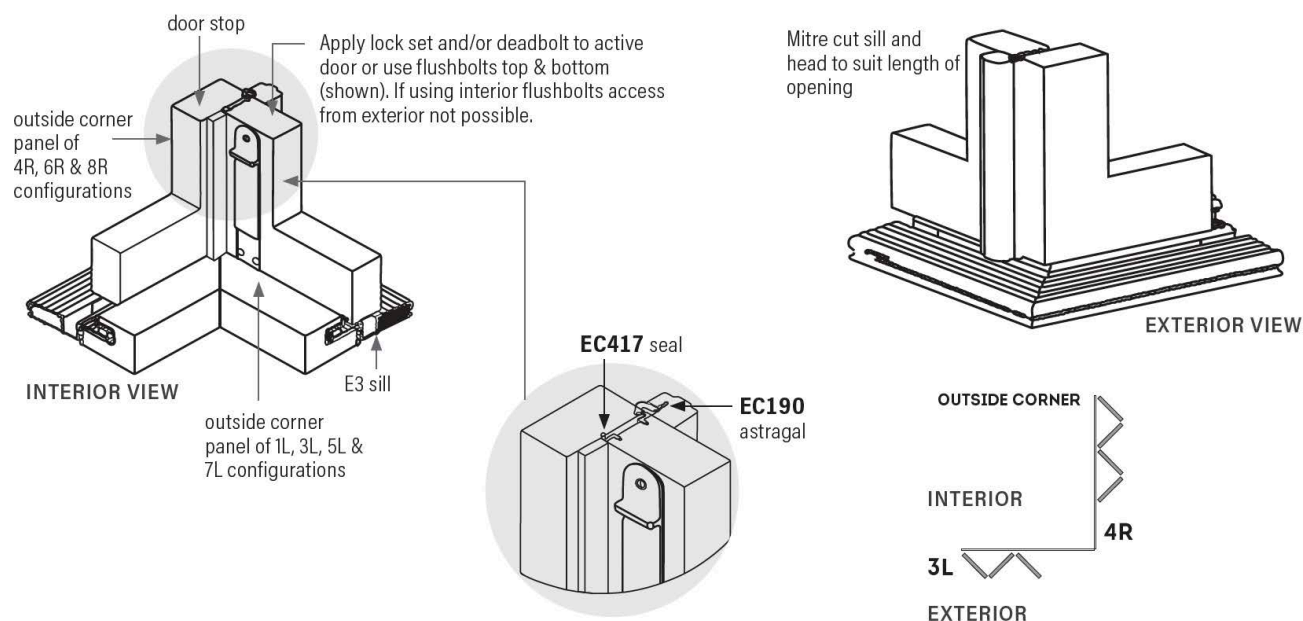
Flushbolt Placement

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

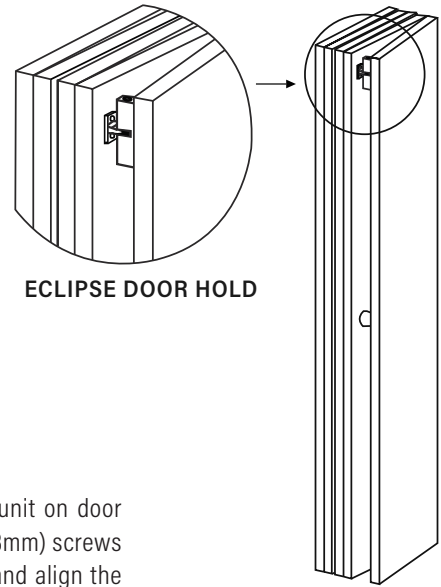
DOOR HOLDS

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.

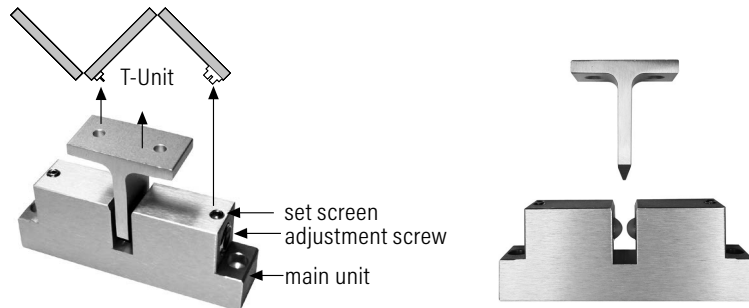
PRODUCT #	FINISH	MATERIAL	QUANTITY
KT740DHC	Clear anodized	Aluminum	1 per pack
KT740DHD	Bronze anodized	Aluminum	1 per pack

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.



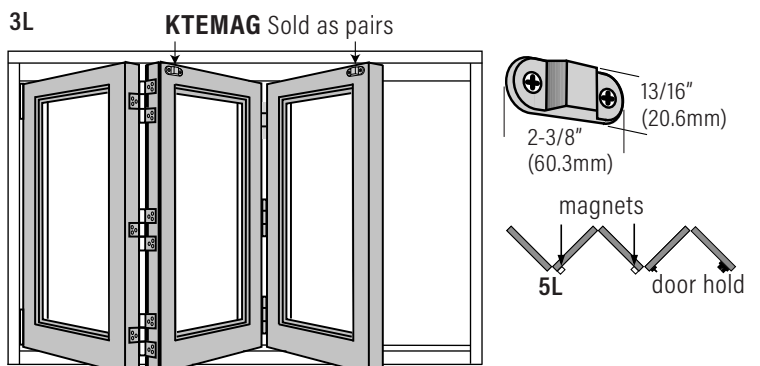
Door Hold Magnets (optional)



KTDCAS Satin Aluminum Finish
KTDCAOL 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.

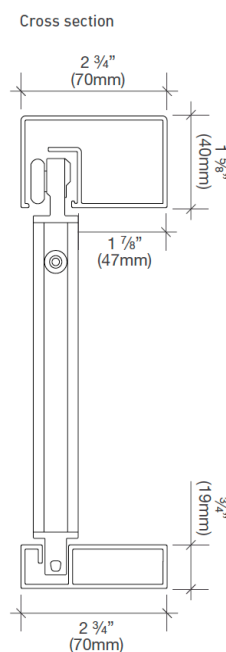
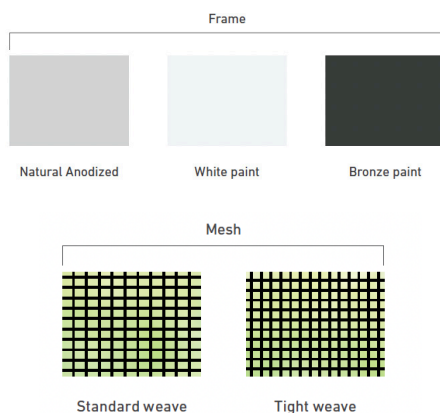


Single screen		
Frame width	24 5/8" – 81 7/16"	625 – 2070mm
Frame height	29 13/16" – 157 7/16"	1999 – 4000mm
Double screen		
Frame width	26 7/8" – 157 7/16"	670 – 4000mm
Frame height	29 13/16" – 157 7/16"	1999 – 4000mm

Materials and Finishes

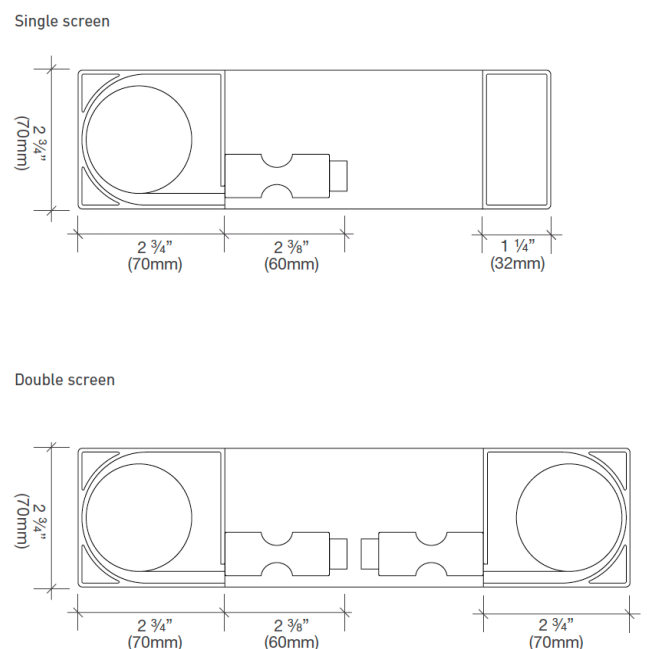
The durable aluminum frame is available in natural anodized or painted in white or bronze.

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:



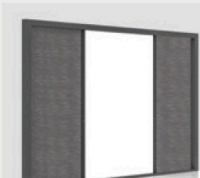
Single

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.

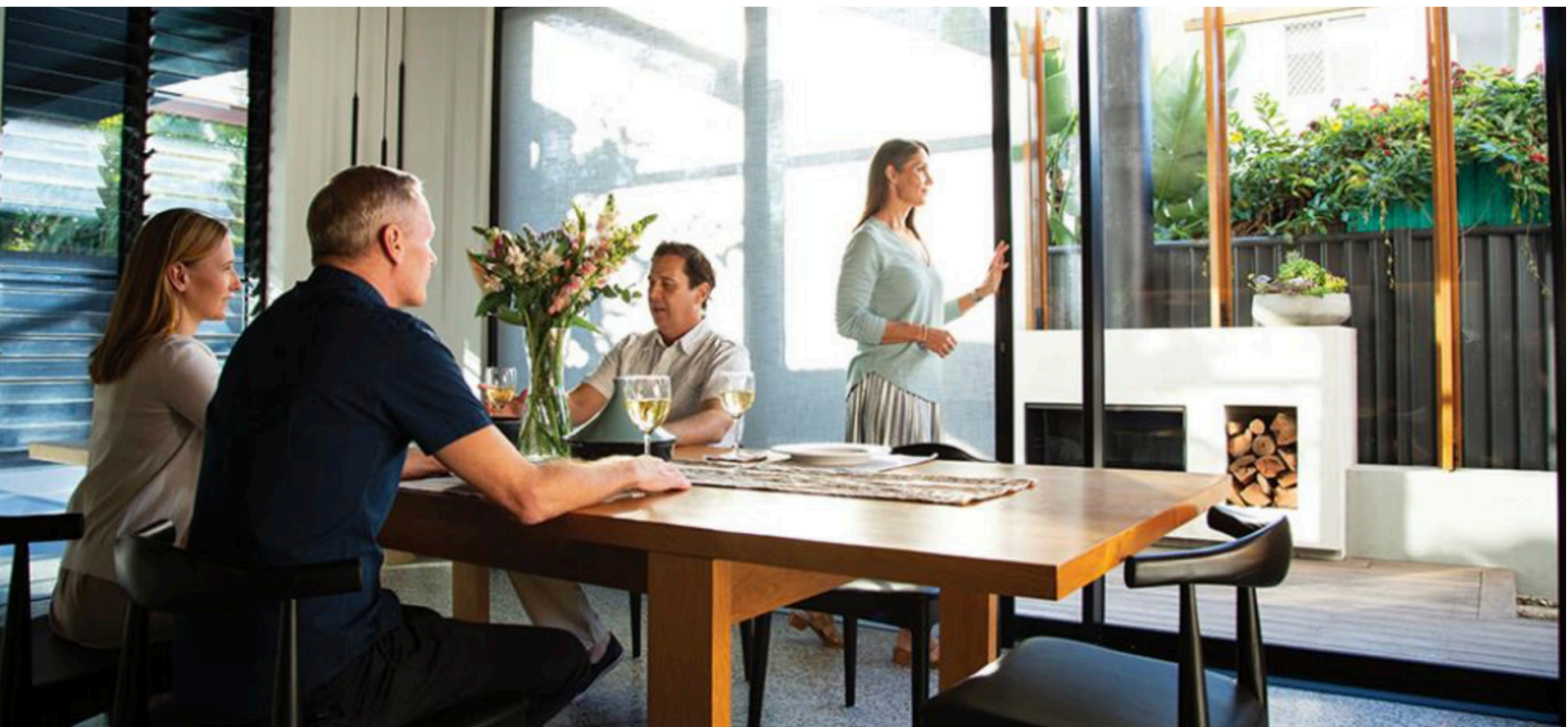
Shades come in a variety of different fabric and color options which include sun-filtering and sun-blocking.

For more details please visit

www.eclipsefoldingdoorsystems.com

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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